

# MĀLĀIWĀLĀ

THE LIGHT OF KNOWLEDGE

The magazine  
of the University  
of Hawai'i

Vol 35 No 1  
April 2010

**Honolulu campus at 90**  
**UH's *LOST* episodes**

**Cancer center expansion**  
**Native landscaping**



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# Didn't see the January issue of Mālamalama Online?

*Here's what you missed—*



*Predators interns*



*Beijing opera*



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**On the Cover:** Machine shop at Territorial Trade School, forerunner of Honolulu Community College, circa 1930s. Story on page 9.

**Mālamalama Online:** Multimedia features include a video conversation on Hawaiian plants for home gardens, narrated photo-history of Honolulu Community College and slide-show of an underwater ordnance hunt. See [www.hawaii.edu](http://www.hawaii.edu)

**Correction:** The late Sandy Kodama, subject of an October article about the scholarship in her honor, raised six children.



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### Nature and technology combine in award-winning photo

**M**ālamalama Photographer R. David Beales' December 2009 image of the Keck Observatory using its laser guide star on Mauna Kea was named Best in Show in University Photographers Association of America competition. Keck II was the first large telescope to employ adaptive optics, using a bright guide star to measure atmospheric distortions in order to get clearer images of more distant objects. When guide stars aren't available, astronomers cre-

ate their own, using a special purpose laser to excite sodium atoms in the atmosphere above Earth.

But it was a natural phenomenon that gave Beales' photo its special quality. "A thunderstorm was raging in the valley below us," Beales recalls in the caption for the UPAA competition. "Normally this is a very beautiful place but the lightning added an extra element to this photo. No Photoshop."

### Grant promotes drug safety for rural elderly

**H**ilo's College of Pharmacy will develop, deliver and evaluate the impact of medication safety education pertaining to the elderly under a \$331,000 grant from a U.S. Department of Agriculture rural health and safety education program. Working with existing community groups, advanced pharmacy students will travel to rural communities throughout the state to present public seminars, and faculty will provide continuing education online for practitioners. The goal is to reduce preventable adverse drug events that disproportionately affect the elderly. For information, call 808 933-3866.

### Course helps new retirees find encore careers

**A** new Kapi'olani Community College course is designed to help retiring baby boomers figure out what to do with the rest of their lives. Called Encore Career Change and Life Transition for Boomers, the four-session program covers skills and interests inventory, skill statement and resume writing, networking and internet job searches and developing a life change philosophy. It is designed for retirees seeking personal fulfillment, social impact and continued income in encore careers. The course is sponsored by Kapi'olani's Kupuna Education Center, a state-funded initiative to promote active aging and provide training for family caregivers and workers in aging-related careers. The next series begins in June; call 808 734-9108 or select Continuing Education at [www.kupunaeducation.com](http://www.kupunaeducation.com) for information.



**Dramatic Competition: Tommy Barron, Jimmy Jack Cassey in Kennedy Theatre's production of the Brian Friel play *Translations*, was among five Mānoa Department of Theatre and Dance students who participated in the Region VIII Kennedy Center American College Theatre Festival in St. George, Utah. "It was a great chance to meet and work with other theatre students and see a lot of shows," says Clara Bowden-Kerby, who competed as stage manager. Other contenders were Rikki Jo Hickey in dramaturgy (research and development), Jenn Thomas in acting and David Gerke in scenic and lighting design. "We want to let other programs know about what we have to offer in theatre and dance at Hawai'i," says Professor Lurana Donnels O'Malley.**

### **Nursing simulation center planned at Mānoa**

Gifts of more than \$1 million will enable Mānoa's School of Nursing and Dental Hygiene to create the Hawai'i Nursing Simulation Center. Plans call for a 7,000-square-foot facility in Webster Hall featuring realistic practice settings ranging from surgical and critical care hospital units to clinical settings to home care. It will be equipped with human patient simulators, bedside computers, digitalized video recording capacity and interactive instructional software.

The center will serve all islands and link the existing simulation labs of the UH Statewide Nursing Consortium and hospitals throughout the state. Funding support was provided by the Hawai'i Medical Services Association Foundation, Queen's Medical Center, Hawai'i Pacific Health and Kaiser Permanente.

### **Maui campus has new name to reflect expanded program**

Maui Community College has a new name—University of Hawai'i Maui College—to reflect its two four-year degree programs. The college added a bachelor of applied science in applied business and information technology in 2005 and a bachelor of applied science in engineering technology in 2009. It continues to offer 15 associate's degrees and remains part of the seven-campus UH Community Colleges system, but will be reviewed by the accrediting agency overseeing baccalaureate colleges. "The change will allow the college to be more competitive in recruiting students locally, nationally and internationally," says Maui Chancellor Clyde Sakamoto.

### **UH involved in efforts to improve emergency preparedness**

The University of Hawai'i at Mānoa is home to the new Federal Emergency Management Agency National Disaster Preparedness Training Center. Operating under a \$4.8 million Department of Homeland Security grant, the center will conduct research and provide training with a focus on national hazards, coastal communities and the special needs and resources of island communities and territories. It is one of seven members of the National Domestic Preparedness Consortium, which includes FEMA's Center for Domestic Preparedness and four other university based centers.

On Maui, meanwhile, UH will continue to manage the Pacific Disaster Center under a new five-year agreement with the U.S. Department of Defense. The Kihei-based facility employs approximately 40 professional staff who provide applied information research and analysis support in disaster management and humanitarian assistance. The estimated base budget is about \$30 million over five years, with additional funding expected for competitive grants and contracts.

### **Donor provides students with the chance she didn't have**

Nancy Manley led a fulfilling life. She traveled extensively with her late husband, Timothy (PhD in linguistics '71, Mānoa), a soldier, Harvard graduate, foreign service officer and attorney. Still, she never forgot the disappointment of missing out on college as a young woman because she didn't have the financial means to attend. So she established the Timothy M. and Nancy C. Manley Chancellor's Achievement Endowed Scholarship at the UH Foundation with a pledge of \$200,000 to provide financial support for academically accomplished Hawai'i students. The scholarship provides tuition and other expenses for up to four years and may be accompanied by an invitation to join the Mānoa Honors Program.



For information about UH Foundation scholarships, contact Malia Peters at 808 956-6311 or [www.uhf.hawaii.edu/scholarships](http://www.uhf.hawaii.edu/scholarships).

## College brings Hawaiian language program to Kaua'i community radio



Pua Rossi-Fukino and Joshua Fukino on air

When radio station KKCR approached Kaua'i Community College's Joshua Fukino to put a hub station on the campus, Fukino saw an opportunity to get more Hawaiian language into the community. The Hawaiian studies education support specialist and Instructor Pua Rossi-Fukino developed a concept for a show that would include music along with campus and local news and discussion topics—all delivered in Hawaiian.

They proposed *Keala'oli*, a monthly show to be produced by Hawaiian studies faculty and students and aired on the non-profit, listener-supported community station. With the support of the campus administration, Fukino secured equipment and met with KKCR programmers to set up the radio hub.

Rossi-Fukino admits to a little apprehension. "We wondered if we could pull it off. However, O'ahu and Hilo have popular Hawaiian language radio shows and I felt that Kaua'i needed something," she says. "There are Hawaiian language shows done in

the Ni'ihau style and half-Hawaiian, half-English shows, but nothing that's completely for students and beginners in the language."

Fukino and Rossi-Fukino develop the shows with their students. Every show has a theme, usually based on a historical event. In February they commemorated the anniversary of the overthrow and British takeover in 1843, playing songs of national pride, aloha 'āina (love of land) and sovereignty. March celebrated Prince Kūhiō's birthday holiday and voyaging and the heavens, since several Kaua'i students were attending a voyaging workshop in Hilo.

"We choose songs based on our theme, and we do research on the song, singer or composer and the message behind the song," says Rossi-Fukino, who helps with translation and hosts the show with student co-host Jocelyn "Luana" Slade.

Hawaiian club president and a department tutor, Slade has competed in a Hawaiian speech contest. "Doing the show has been one of

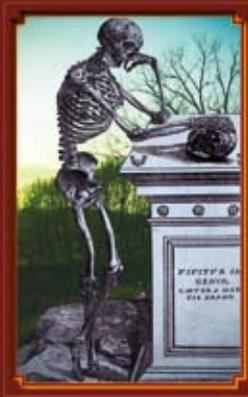
my greatest experiences since going to college," she says. It provides opportunities to practice speaking Hawaiian, see what's going on in the Hawaiian community and learn more about the culture through old songs.

So far, only one student besides Luana has been brave enough to go on air, but Rossi-Fukino hopes current first-year students will be willing to co-host next year. "I love the fact that our students can participate. It shows them the Hawaiian language is still alive and thriving." And they aren't the only ones who benefit.

"When I was a Hawaiian language student at the University of Hawai'i at Hilo, it was wonderful to be able to listen to Hawaiian language on-air. It took a lot of the pressure off to just listen and not have to respond. I hope that other students—present and future—of the language will tune in."

The hour-long show airs every second and fourth Monday at noon. Listen to live streaming audio at the radio's website, <http://www.kkcr.org>.

—Tracy Matsushima



### Essay collection rethinks the allegorical

**A**llegory is generally thought of as an extended written metaphor or visual symbolic representation and discussed in analyzing literature and works of art. But UH West O‘ahu Assistant Professor of English/Humanities Brenda Machosky argues that it is far more than a literary or artistic device. In *Thinking Allegory Otherwise* (Stanford University Press), she brings together essays by scholars who engage allegory in exciting new ways. The wide array of topics—ranging from architecture to law—rethinks not only the idea of allegory itself, but also the law and its execution and figurations upon which even hard science depends. All language is allegorical, Machosky believes, and the book explores the consequences. She pursues the discussion further in her own book, *Faces of Allegory*, to be published by Fordham University Press.

### Ripe pineapple yields clues to aging

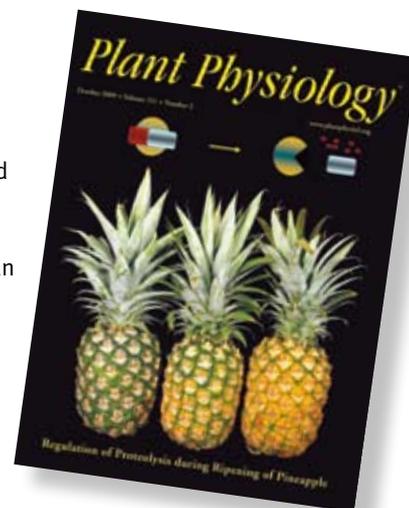
**R**ipening triggers the creation and activation of enzymes that chew away at cell walls and proteins, softening fruit. Employing proteomics, electron microscopy and biochemistry, a team of College of Tropical Agriculture and Human Resources scientists identified a genetic trigger unique to pineapple that inhibits the ripening process.

Molecular bioscientists David Christopher, Leon Neuteboom and Kristie Matsumoto described the ripening trigger in the October 2009 cover feature for the journal *Plant Physiology*.

Understanding the ripening process in fruit has important implications to agriculture, of course, but it also sheds light on the protein degradation and cell death present in aging in mammals, they note. In fact, cell death in humans involves the same type of enzyme.

Read the article at [www.plantphysiol.org/cgi/content/full/151/2/515](http://www.plantphysiol.org/cgi/content/full/151/2/515).

Photo by Eun Ju Cho with assistance from Kristie Matsumoto; cover design by David Christopher.



### School of Social Work launches online journal

**M**ānoa’s Myron B. Thompson School of Social Work launched *Journal of Indigenous Voices in Social Work* in March. Published bi-annually in open-access electronic form through a gift from Mānoa MSW alumna Sally Lampson Kanehe, the peer-reviewed journal is dedicated to improving social work practice and expanding knowledge relevant to indigenous peoples and the communities in which they live. The first special issue contains papers presented at the 2007 Indigenous Voices in Social Work: Not Lost in Translation conference in Mākaha. See [www.hawaii.edu/sswork/jivsw](http://www.hawaii.edu/sswork/jivsw).

### Widespread eyes give hammerheads broad visual range

**S**cientists have long speculated on the evolutionary advantage of a hammerhead shark’s widespread eyes. Mānoa zoologist Timothy Tricas and two Florida Atlantic University colleagues developed a vision test to find out. Using beams of light and brain sensors with different species, they determined that the wider a shark’s head, the greater the binocular overlap of its eyes. Remarkably, the sharks can also see above and below them at all times and, by moving their heads, much of what is behind them as well. That may confer benefits both in catching prey and avoiding predators, the scientists suggest.

### Bitter melon offers sweet benefit

**B**ouyed by findings that a bitter melon extract kills breast cancer cells without harming healthy cells, a College of Tropical Agriculture and Human Resources researcher suggests that the bumpy green tropical fruit may have a place in a cancer prevention diet. Associate Professor of Molecular Biosciences and Bioengineering Pratibha Nerurkar and her Saint Louis University colleagues reported their findings in the March 1 issue of the journal *Cancer Research*.

Used in Indian and Asian dishes and traditional medicines, bitter melon is rich in antioxidant flavonoids and vitamin C. In previous studies, Nerurkar has shown that bitter melon extract in food can lower blood glucose, triglycerides and body weight in mice. Her lab will test whether it has a similar anti-diabetes effect in humans.



## Options are important when choosing fries and fish

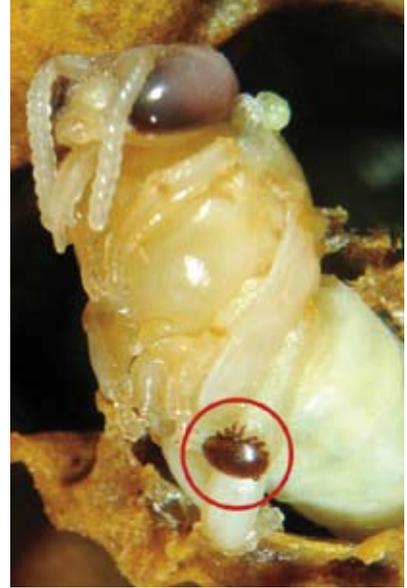
**G**o local if you want french fries but need to watch your cholesterol, two UH researchers advise. Mānoa geobiologist A. Hope Jahren and postdoctoral researcher Brian Schubert analyzed fries from 134 restaurants on O‘ahu in a self-funded study published in *Proceedings of the National Academy of Sciences* in December 2009.

The french fries served at most national chain restaurants sampled on O‘ahu contained corn oil, which is higher in cholesterol-raising saturated fat than the canola, soy or safflower oils typically used in independent restaurants. Only one in five of the smaller establishments used corn oil. The researchers visited 68 of the 101 national chain restaurants on the island and a similar number of local establishments, including Big City Diner, Rainbow Drive-In, Like Like Drive Inn, Kua‘aina Sandwich Shop, Kanpai Bar and Grill and South Shore Grill.

Because knowledge influences consumers’ eating habits, fast food restaurants need to provide more ingredient and nutrient content information at the point of purchase, the authors say.

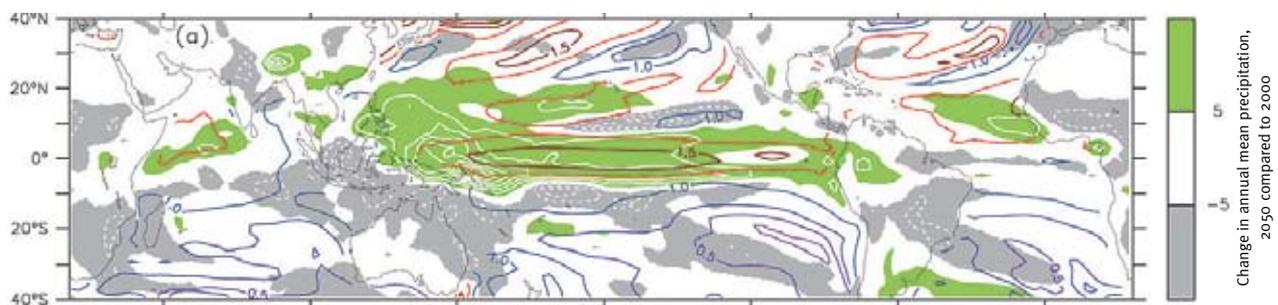
**In another menu choice**, consider cooking methods when opting for the heart healthy omega-3 fatty acids in fish. Baked or boiled fish offer protective benefits; fried, salted or dried fish do not, Mānoa doctoral candidate Lixin Meng reported at the American Heart Association’s Scientific Sessions 2009.

In a study comparing the dietary intake of omega-3 among men and women in Los Angeles and Hawai‘i, men who ate about 3.3 grams per day of omega-3 fatty acids had a 23 percent lower risk of cardiac death compared to those who ate 0.8 grams daily, she reported. The association wasn’t as clear among females. “For women, eating omega-3s from shoyu and tofu that contain other active ingredients, such as phytoestrogens, might have a stronger cardio-protective effect than eating just omega-3s,” she hypothesizes. Meng’s co-authors are Lynne Wilkens and Laurence Kolonel of the Cancer Research Center of Hawai‘i.



## Bee part of science

**A**rrival of the varroa mite on O‘ahu and the Big Island has spread viruses that have dramatically decreased the wild honeybee population. The bees are important to agriculture for pollinating many crops grown in the Islands. Researchers in Mānoa’s College of Tropical Agriculture and Human Resources are collecting and sampling honeybees for the virus. You can help by reporting the location of wild honeybee colonies on O‘ahu, Maui, Kaua‘i and the Big Island; call 808 956-2445 or email [uhbeelab@gmail.com](mailto:uhbeelab@gmail.com). More at [www.ctahr.hawaii.edu/wrightm/Honey\\_Bee\\_Home.html](http://www.ctahr.hawaii.edu/wrightm/Honey_Bee_Home.html).



## Patterns of ocean warming likely to alter regional rainfall

**C**limate models project an increase of more than 1 degree centigrade in global average surface temperatures by the middle of the century. However, actual change in ocean surface temperatures will vary by region, according to a team of scientists headed by meteorologist Shang-Ping Xie at UH Mānoa’s International Pacific Research Center.

That could cause significant changes in rainfall patterns in the tropics and subtropics, the scientists write in the February *Journal of Climate*. They analyzed warming projections in models used by the Intergovernmental Panel on Climate Change, and two patterns stood out.

In the Pacific, a temperature maximum emerges as a broad band across the equator. By changing atmospheric heating along the equator, this warming pattern sustains a rainband similar to that during El Niño, influencing climate around the world through large-scale, long-term atmospheric teleconnections.

In the Indian Ocean, a pattern emerges during part of the year that is like the Indian Ocean Dipole, which occurs every decade or so today. The resulting dramatic shift in rainfall would bring droughts to Indonesia and Australia and increased rainfall in India and regions of Africa bordering the Arabian Sea.



### Chilean earthquake moves continent as much as 10 feet

The 8.8 magnitude earthquake that shook Chile Feb. 27 moved the entire city of Concepcion at least 10 feet to the west, according to preliminary measurements. It shifted other parts of South America, from the Falkland Islands to Fortaleza, Brazil as well, moving Santiago, Chile about 11 inches to the west-southwest and Buenos Aires, Argentina, across the continent from the quake's epicenter, about 1 inch to the west.

The data gathered by researchers from four universities and several agencies paint a much clearer picture of the power behind this temblor, believed to be the fifth-most-powerful since instruments have been available to measure seismic shifts.

Quakes relieve pent-up geologic pressure in convergence zones around the Pacific "ring of fire." The February quake occurred where the Nazca tectonic plate was squeezed under, or "subducted" below the adjacent South American plate.

Benjamin Brooks, associate researcher with Mānoa's School of Ocean and Earth Science and Technology is co-principal investigator with Ohio State University's Mike Bevis on a 17-year study measuring crustal motion and deformation in the central and southern Andes. With global positioning satellite data, the February event, tragic as it was, "will arguably become one of, if not the most important great earthquake yet studied," Brooks says.

Monitoring postseismic deformations provides new insights into the physics of the earthquake process. James Foster, from Mānoa's Pacific GPS Facility, is part of the GPS processing effort.

—Tara Hicks

### Minority business owners profiled in study

More than one in five business owners in California, New York, New Jersey, Florida and Hawai'i are immigrants, yet little is known about differences between ethnic groups. So Associate Professor of Family Resources Diane Masuo and California colleague Lakshmi Malrouth reviewed survey data from telephone interviews with 200 Korean American and 200 Mexican American business owners.

The Mexican American business owners were slightly more likely to be based at home and have been in business longer. They tended to have more employees and higher average business income. Korean American business owners were slightly more likely to report difficulties in assessing customer needs, pricing products or services, finding qualified personnel, dealing with government regulations and finding time for family responsibilities and activities.

Understanding the challenges business owners face during startup periods will help lenders and public agencies be more supportive of a sector responsible for much of the nation's job creation and economic growth, Masuo says.

### Recent research grants secured by UH researchers

**\$249,000** matching grant from the Institute of Museum and Library Services to Lyon Arboretum for research on rescue, recovery and storage of Hawai'i's most critically endangered native plants.

**\$383,000** from the National Science Foundation to Mānoa professors Dan Suthers, in information and computer sciences, and Devan Rosen, in speech, to understand how people interact in virtual learning organizations in order to improve their design.

**\$600,000** from the National Institutes of Health to Professor of Pediatrics Richard Yanagihara as part of an \$15 million economic stimulus grant to nine institutions to build "eagle-i," a search engine that will improve research communication and collaboration among the biosciences.

### Near-Earth encounters leave asteroids pale and shaky

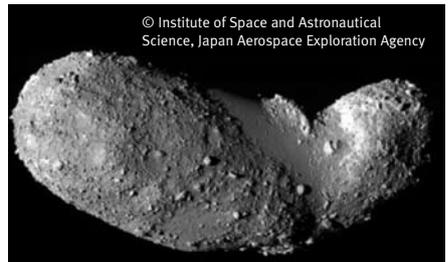
Humans may be justifiably nervous when an asteroid passes very close to Earth, but a new study finds that the encounter leaves the asteroid pale and shaken as well. Examining differences in the color of asteroids, UH

Astronomers Schelte Bus and Alan Tokunaga observed that those with the paler color characteristic of fresh, unweathered rocks had passed very close to Earth.

When the loose conglomeration of rocks and boulders that comprise an asteroid passes our planet, it is shaken by the changing pull of Earth's gravity, causing landslides that cover dark weathered areas with fresh rocks, Bus suggests. "Hence the asteroid's color, after the encounter, will appear paler than before."

"The more we learn about what holds an asteroid together, the better chance we have to reduce or eliminate damage to Earth from an asteroid strike," adds Tokunaga.

© Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency



Asteroid Itokawa

—Karen Rehbock



# Vibrant at Ninety

Honolulu Community College celebrates a history shaped by community needs

**F**or nine decades under five names and two state agencies, Honolulu Community College has responded to social and cultural changes in Hawai'i to meet education and workforce needs through a broad range of career and technical programs as well as comprehensive liberal arts offerings that prepare students for transfer to baccalaureate institutions. In the process, it has grown from a Territorial Trade School with 42 students in hand-me-down buildings to more than 5,000 students on the main Dillingham campus and multiple off-campus learning sites.

The college kicked off its 90th anniversary in February with a celebration at the site of the Old Chinese Hospital, its first home. Masked children from the college's Keiki Hau'oli children's center welcomed the Chinese New Year, and students, faculty and guests consumed a 90-centimeter moon cake.

Anniversary celebrations continue through 2010 with monthly themed events (see calendar) including a lū'au honoring 26 distinguished alumni April 22. Among those to be honored are World Wide Web



## From Trade School to Community College

**1920** Territorial Trade School opens with 42 students in the buildings of the Old Chinese Hospital in Pālāma. Subjects included auto mechanics, machine shop and carpentry.



**1925–27** To take advantage of federal legislation, the name changes to Smith-Hughes Department of McKinley High School, and then to Honolulu Vocational School.

**1929** The Territorial Legislature appropriates \$40,000 for improvements on campus.

**1941–45** Students help make machine gun mounts, land-mines, water tanks, search lights and other war items.



**1946–48** Cosmetology, refrigeration, drafting and radio programs are added, followed by a baking program.

**1950–52** Masonry is added, followed by auto body and repair.





**1953** The name is changed to Honolulu Technical School. Enrollment expands once the Korean War ends.

**1958** The Foods Building opens, housing a bake shop and cafeteria.



**1962–63** Automotive and Electronics Buildings are completed, followed by a two-story science building.

**1965** State law transfers the school from the Department of Education to the University of Hawai‘i community college system.

**1966–69** Honolulu Community College offers the associate of arts degree and transfer-level courses in English, mathematics and social and natural sciences.



**1972–74** A construction boom begins with the Fashion and Cosmetology Building, followed by a six-story Liberal Arts and Library and the Administrative and Student Services Buildings.

**1975** Apprentices of the Pearl Harbor Shipyard Apprentice School start classroom instruction at the college as part of a four-year program in ship repair and maintenance.

**1977–79** The Trade Industry Complex is completed and a six-story Campus Center is built.

**1986–88** Off-campus sites are established for automotive technology and diesel mechanics on the makai end of Kōkea Street.

Hall of Fame member Kevin Hughes (’92–’93); retired Honolulu fire chief Attilio K. Leonardi (AS in fire science ’72; MA ’94 Mānoa); Manuheali‘i owner Danene Manuheali‘i Lunn (AS in fashion technology ’86); judiciary program specialist Christine M. Kefford (AS in human services, AA in liberal arts ’97; MSW ’01 Mānoa); and Kumu Kahua Theatre artistic director Harry Wong III (AA in liberal arts ’87; BA ’90, MFA ’93, Mānoa). Participating alumni receive a commemorative book, designed by the college’s graphics program, highlighting all 26 honorees.

The anniversary year will include a futures conference in November. “Times of celebration are also times of reflection,” explains Chancellor Michael T. Rota. “As we celebrate our 90th anniversary, we are also taking a long and hard look at the future to determine how to meet our ambitious strategic goals for the next decade,” he says.

## Did You Know?

In 1923, Territorial Trade School classes met seven hours a day, 11 months a year. To be admitted, students had to be 15 and have completed fourth grade.

## 90th Anniversary Calendar

For information on these and other 90th anniversary events, visit [www.honolulu.hawaii.edu/90th](http://www.honolulu.hawaii.edu/90th) or call 808 843-7788.

**Apr. 22** Outstanding Alumni Lū‘au, 5 p.m., Dole Cannery

**May** Fashion Show, time and place to be announced  
Featuring a 1920s theme in the opening segment

**June 25–27** MELE Songwriters Workshop, details to be posted at [www.honolulu.hawaii.edu/mele](http://www.honolulu.hawaii.edu/mele)  
Music of the 1920s will be highlighted

**July** Celebration of the *Hōkūle‘a*  
Recognizing the college’s partnership with the Polynesian Voyaging Society and marking Hōkūle‘a’s departure for a worldwide voyage

**Aug.** Scholarship Reception

**Oct.** Book Reading Festival  
Featuring books published by Honolulu Community College faculty

**Nov.** Hawai‘i Arbor Day Event by Building Five  
Planting of a pair of lama trees significant to the area (Kapālama means “the lama-wood enclosure”)

**Nov.** Futures Conference, details to be announced  
Addressing the future of Honolulu Community College

**Feb. 2011** Capstone event, details to be announced



Web extra: More historic photos of Honolulu Community College at [www.hawaii.edu/malamalama](http://www.hawaii.edu/malamalama)

## Honolulu Community College Alumni

Among the alumni honored April 22 are two who seized the liberal arts and career training opportunities offered by Honolulu Community College.



After a serious illness at age 8, physician **Khoi Le** (AA in liberal arts '97; BS '99, MD '04 Mānoa) decided to become a doctor, but his course was more difficult than most. His family survived war, separation and chaos in Vietnam. The family immigrated to the United States, where he had to

master English before pursuing his dream. After three years at Honolulu, he graduated from college and medical school and completed residency in Portland, where he practices internal medicine at Providence Medical Group.

Le's memories of campus remain strong. "It is the first school I went to in my new life as a refugee in the land of freedom to seek my opportunity and fulfill my dream. It is the school where I met and knew so many kind and wonderful professors. It is the school that did so well in equipping me with basic training and knowledge that I used as the platform to spring farther and achieve my goal. It is the school where I met and fell in love with An Nhu, now my wife," he says. "Part of my success today is thanks to my knowing so many great teaching exemplars."



At age 12, **Tara Nicole Eavey** (AS in commercial aviation '03) had an introductory flight lesson and became hooked on aviation. By 16, she decided she wanted to be a professional pilot. With her parents' support, she researched educational options, settling on Honolulu Community College because of its

affiliation with the University of North Dakota's aviation program. She completed her bachelor's at UND, served as a flight instructor in Florida and joined Great Lakes Airlines, making captain at age 25.

Eavey remembers the quality of instruction in sociology as well as aviation, participating with an all female crew in the Great Hawaiian Air Race and exchanges between student mechanics and pilots in the aviation club she started. "The decision to attend Honolulu CC was one of the best decisions I ever made," she says. "The kindness I received from the staff was unparalleled. Two financial aid advisors were like my godmothers away from home. When I attended the graduation ceremony, they came to wish me farewell and gave me flower lei. They touched my heart more than they'll ever know."

Billie Takaki contributed to this article



**1995–98** The college opens the Airport Training Center at Honolulu International Airport, Marine Education and Training Center on Sand Island and Pacific Aerospace Training Center at Kalaeloa.

**2001** The Pacific Center for Advanced Technology Training, a consortium of the UH Community Colleges, opens administrative headquarters at Honolulu Community College.



**2005** The college establishes the Construction Academy in partnership with eight Hawai'i high schools; participation grows to 35 schools statewide.



**2007** The Music and Entertainment Learning Experience (MELE) program opens with associate's degrees in music business or audio engineering.



**2009** The college enrolls 4,585 credit students and another 2,991 apprentice students.

# A New Cancer Center

The promise of new facilities and expanded faculty bodes well for Hawai'i

by Maureen O'Connell and Cheryl Ernst

Michele Carbone points to a map on which Hawai'i is fixed at the center—tiny dots in a vast ocean-blue grid with the far-off land masses of Asia and North America framing much of the image's east and west edges. "This can be two things," says Carbone, who heads the Cancer Research Center of Hawai'i. "Either we are at the center of the world or in the middle of nowhere."

The dryly delivered quip elicits smiles and knowing laughter from scientists, physicians, educators and others gathered in mid-July to hear Carbone articulate his vision for the University of Hawai'i research unit's future. CRCH is one of 65 National Cancer Institute centers across the United States, a designation that brings grant funding needed to further the center's work in epidemiology, natural products and cancer biology, prevention and control and carcinogenesis. One day—within a decade possibly, Carbone says—if a viable clinical component is

added to CRCH's operations, its status could be elevated to "comprehensive cancer center," the top NCI tag.

That's the vision. Anticipated groundbreaking for a new research facility in Kaka'ako adjacent to UH's John A. Burns School of Medicine this summer is a step in that direction, as well as insurance for retaining the current designation. The path has been bumpy at times, negotiating internal challenges and external pressures, but those pushing for the center's future believe there is no more important battle.

**Cancer is blamed for one in four deaths** in the United States, and one in three Americans will eventually develop some form of it, according to NCI, a federally funded research and development center housed within the U.S. Department of Health and Human Services. Every year, about 6,700 people in Hawai'i are diagnosed with cancer. That's more than a hundred Hawai'i residents a week, says UH Mānoa Chancellor Virginia Hinshaw,



who counts herself a “cancer survivor and thriver” thanks to research advances.

In far-flung Hawai‘i, NCI’s backing is key to upgrading cancer-related options for island residents, adds Gary Ostrander, vice chancellor for research and graduate education. “Many patients head to the mainland for treatment, which can leave them with enormous bills tied to travel and extended care. We need to fix that,” he explains. “What we really need is a comprehensive cancer care facility.” NCI’s 40 comprehensive cancer centers are known for depth and breadth in population-based (epidemiology) studies as well as laboratory and clinical activities. To join their rank, UH’s center must establish a program built around treating patients in clinical settings.

First organized in 1971 as part of Mānoa’s Pacific Biosciences Research Center, CRCH conducts research on the causes, prevention and treatment of cancer, but

## This may be one of the most important projects we do.

—Kathryn Inouye, Kobayashi Group

does not treat patients at its facilities. When a new CRCH facility was first envisioned, about five years ago, plans called for a self-contained patient treatment area. Director Carl-Wilhelm Vogel persuaded the Hawai‘i Legislature to deposit 2 cents for every cigarette sold into a special tax fund to cover construction costs and researchers’ salaries, promoting a facility that combined research with a university-operated clinical program.

When Vogel stepped down at the end of 2008, Carbone, director of CRCH’s thoracic oncology program and chair of JABSOM’s pathology department, was named interim director. Believing the university should collaborate rather than compete in the clinical setting, Carbone courted cancer physicians and hospital executives with persuasive arguments for a different approach—a matrix-style model used by about two-thirds of U.S. cancer centers. In a matrix model, center-based researchers work with the oncologists who provide patient care in community hospitals and clinics.

**“Isolated in the mid-Pacific**, like we are, I really don’t think you have any other option but teamwork, if you want to grow,” Carbone says. “Hawai‘i’s 1.3-million population is too small to support healthy competition” among all the cancer-related entities.

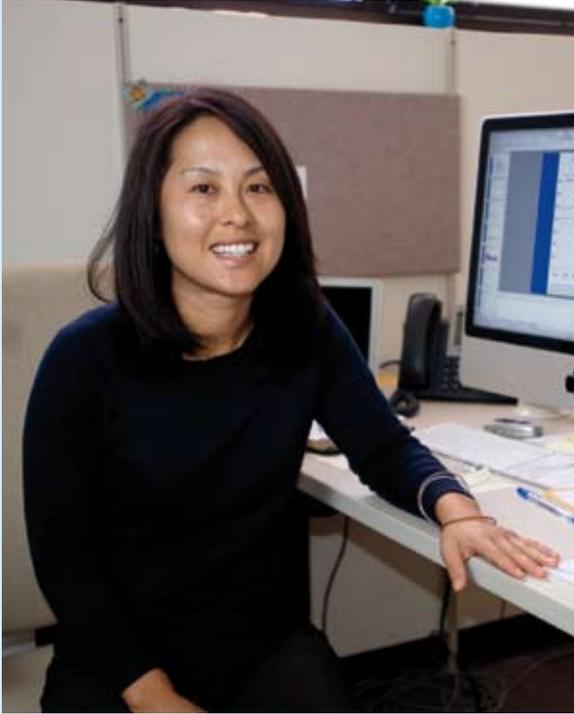


### Carcinogenesis Program

Recently drafted to serve as Cancer Research Center of Hawai‘i’s director, Michele Carbone joined CRCH in 2006 to head one of the center’s four programs. Carcinogenesis is the process by which normal cells are transformed into cancer cells. Carbone’s own interdisciplinary team, which studies thoracic malignancies, won an American Association for Cancer Research award for discovering a unique mesothelioma epidemic in Turkey.

Chief Executive Officers Art Ushijima, of The Queen’s Medical Center, and Chuck Sted, of Hawai‘i Pacific Health (Kapi‘olani, Straub, Pali Momi and Wilcox hospitals) appeared at a UH Board of Regents meeting last August to endorse Carbone’s permanent appointment as director, and they sat together at a January legislative briefing to voice support for new CRCH facilities.

“We have come together as a community of health-care providers and professionals with a unified purpose and goal to improve cancer care for the people of Hawai‘i,” Ushijima told lawmakers. “Dr. Carbone’s leadership in promoting collaboration and inclusion has enabled the dialog so that we could focus our energies and resources toward the greater good of our patients and the community.” Queen’s, Hawai‘i Pacific Health and Kuakini Health Systems are committing up to \$2.2 million a year to support the center, he added.



### Epidemiology Program

A CRCH assistant researcher since 2008, Iona Cheng investigates how genetic variants influence rates of cancer in different ethnic groups. Epidemiology staff also explore the role of risk factors such as lifestyle, infectious agents and environmental exposure.

 **Web extra:** Read about Cheng's work on genetic susceptibility for prostate cancer, [www.hawaii.edu/malamalama](http://www.hawaii.edu/malamalama)

Sted described watching Hawai'i cancer patients seek treatment at Fred Hutchinson in Seattle, M. D. Anderson in Houston and Mayo Clinic sites...if they have the means. What about those who do not have the ability, either financially or otherwise, to get to the mainland? he asks. "As a community, we long ago solved this problem in other areas of healthcare. Now we are solving that problem in cancer care," he answers. "Everything is in place for reaching that goal."

Legislators have been receptive. Despite the state's struggle to balance the budget, lawmakers have honored their commitment to use the cigarette tax fund to support development of the cancer center. "We'd like to see shovels in the ground as soon as possible," urged Sen. Jill Tokuda, chair of the Senate Committee on Higher Education.

"We have developed a strong, feasible business plan, one that will result in the opening of the research facility in fall 2013," UH President M.R.C. Greenwood assured the

committee. She meets weekly with an advisory group of university and CRCH leaders to move the project forward.

Working with the Research Corporation of the University of Hawai'i, the university selected Shimokawa + Nakamura to design the new research facility. The Honolulu architectural firm leads a team that includes ZGF of Los Angeles and Jacobs Consultancy of New York, which designed research facilities at nine of the country's top 10 research centers. Wilson Okamoto and Associates will handle planning, and development company Kobayashi Group will coordinate day-to-day project management. Negotiations were underway on a construction contract at press time; officials expect the matrix-style facility to be less costly to build than the initial model, which was nearly twice the size.

"This project may be the pinnacle of our careers," neither the most expensive nor luxurious, but "one of the most important things we could do for the state of Hawai'i," says Kathryn Inouye, Kobayashi chief operating officer. "Those of us involved in the project have a passion like we've never had before," she adds, noting that she lost a sister-in-law to cancer at age 46.

### Besides providing construction jobs now,

the project creates future medical and research positions for Hawai'i youth, she adds. And, as Greenwood noted in announcing the university's "Renovate to Innovate" initiative during her February address to the Legislature, investment in UH's research infrastructure translates into higher overhead rates on federal research grants, which returns more money to the state via the university.

State-of-the-art facilities also help recruit talented faculty, vital in addressing criticisms that threatened

### Our unified goal is to improve cancer care in Hawai'i.

-Art Ushijima, Queen's Medical Center

renewal of the UH cancer center's NCI designation. Federal reviewers first raised concerns about the status, size and scope of CRCH, smallest of the 65 NCI-designated centers, at its last renewal about five years ago. It recommended the university build a new facility to consolidate researchers spread across multiple locations and accommodate new investigators. In extending the center's application deadline last summer, NCI told CRCH to quickly increase the size of its depleted research staff; make strides toward breaking

ground on the new research facility; and further cultivate relationships with entities from the medical school to Queen's to the Hawai'i chapter of the American Cancer Society.

After a visit in February, NCI officials extended CRCH's designation and associated funding through 2011. That's major, says Greenwood. "If you're not in the center group, it's hard to get access to funding opportunities." Case in point: only NCI-designated centers were eligible for 30 recent stimulus grants; CRCH obtained two, allowing it to hire a pair of researchers with

## Hawai'i needs a comprehensive cancer care facility.

-Gary Ostrander, UH Mānoa

unique local perspective. Oncologist Clayton Chong has focused on cancer incidence and mortality among Native Hawaiians. Liver specialist Linda Wong has conducted more than 160 transplants in the state with the dubious distinction of leading the nation in incidence of liver cancer.

CRCH also recruited David Ward, former deputy director of the Nevada Cancer Institute and chair of the genetics department at Yale, and three scientists who bring medical training from both Asia and the U.S. mainland—valuable background in multicultural Hawai'i. Carbone hopes to hire four more researchers by the end of the year.

"Some people might say, 'You don't need a cancer center in Hawai'i because anything you do in Hawai'i can be done elsewhere,'" observes Ostrander, quickly countering with an emphatic, "Not true." Drawing on Hawai'i's ethnic diversity, CRCH's historic strength in epidemiologic studies helped define the role of lifestyle factors, such as diet, and genetic factors that render certain ethnic groups more susceptible to specific cancers. The center's population-based research holds increasing relevance, Ostrander says. With continued migration and intermarriage, "the rest of the United States, in 100 years, and the rest of the world, in 200 years, is going to resemble Hawai'i."

### Prevention and Control Program

CRCH's fourth unit works to reduce cancer risk behaviors and improve quality of life for cancer patients and their families. Activities include promotion of tobacco control, cancer screening and organ donation by minorities.



### Natural Products and Cancer Biology

A CRCH associate researcher since 2001, Associate Professor André Bachmann and colleagues examine products found in nature and developed by chemists for their potential in modulating key cellular processes involved in the development and spread of cancer.



Web extra: Read about Bachmann's work on the childhood cancer neuroblastoma, [www.hawaii.edu/malamalama](http://www.hawaii.edu/malamalama)

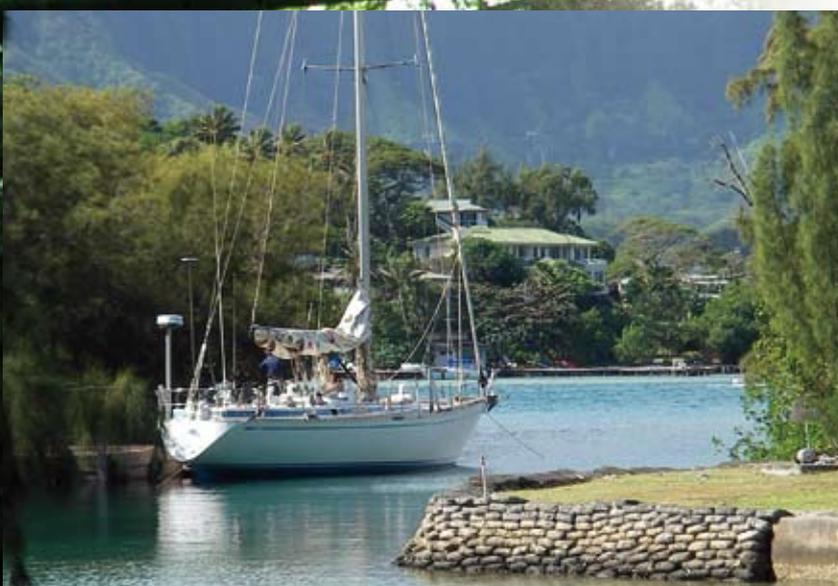
### The islands are also uniquely positioned

for probing marine ecosystems, allowing cancer researchers to collaborate with marine biologists on topics ranging from species spawning to mechanisms that regulate growth. Among the CRCH natural products program's top achievements is identification of cryptophycin, a cytotoxin produced by blue-green algae that has yielded promising anti-cancer compounds.

Another advantage of Hawai'i's position on the Pacific map is the opportunity to serve as a bridge connecting the U.S. mainland with Asia and Australia—a place where cancer researchers from different parts of the world meet to discuss research.

"If there is a place that needs a cancer center," Carbone says, "that place is Hawai'i." 

Maureen O'Connell is a freelance journalist living in Honolulu; Cheryl Ernst is the editor of *Mālamalama*



# LO

## ON CAMPUS

by Jeela

**E**ver wander around campus, take a wrong turn and suddenly find yourself in... Iraq? Or at a mental hospital? Thanks to the keen-eyed location scouts of ABC's hit television series *Lost*, several University of Hawai'i campuses have been transformed into just such foreign places.

For local *Lost* fans, recognizing O'ahu locations is part of thrill of watching the show. *Mālamalama* magazine invites you to use the clues below to identify the *Lost* locations pictured here. All shots are taken at UH facilities. HINT: Two are from the same location, and one is from an episode that has not yet aired.

Having Hale Kuhina play the Santa Rosa Mental Institute exterior was not so much of a stretch. The building actually was the state hospital before becoming part of Windward Community College, which is known for its modern, beautifully located campus at the base of the Ko'olau Mountains.

The John A. Burns School of Medicine is the most culturally and ethnically diverse medical school in the world. Built in 2005 in waterfront

From top: Hurley with Charlie, who is visiting from the afterlife; international media covering Oceanic 6's made-up story (photo courtesy ABC/Disney); someone's sailboat (photo by Kathy Nishimura, University of Hawai'i)

# ST AMPUS

## Ongley

Kaka'ako, the Mānoa school's new facilities house cutting-edge laboratories—one of which was used in *Lost*—in an energy efficient and environmentally friendly building; the building's exterior is featured in the same episode.

Coconut Island is an offshore facility with a passing resemblance to the island on *Lost*: there is lots of (non-creepy) scientific work going on there, and in this picture—captured during a lull in filming—as is the case often on *Lost*, we're not exactly sure what is going on...yet.

Celebrating its 90th anniversary, the Honolulu Community College campus offers courses from aeronautics maintenance to welding. The Pacific Aerospace Training Center run out of Hanger 111 at Kalaeloa Airport was the site of a pivotal scene in the series. A now-demolished apartment building on the periphery of the Dillingham campus was transformed to resemble war-torn Iraq. <sup>TM</sup>

Jeela Ongley (BA '97, MA '09 Mānoa) is *Mālamalama's* on-line editor and web content coordinator in External Affairs and University Relations

✻ Web extra: More *Lost* at UH photos and episode information, [www.hawaii.edu/malamalama](http://www.hawaii.edu/malamalama)



From top: Emergency procedure that gives Jack the upper hand (photo courtesy ABC/Disney); a foreign land (courtesy Ryan Ozawa, [www.hawaiiup.com/lost](http://www.hawaiiup.com/lost)); Juliet moments before her ex is hit by a bus (photo by Ryan Ozawa, [www.hawaiiup.com/lost](http://www.hawaiiup.com/lost))



# Digital ‘Ōlelo

Hilo professor works to make technology accommodate Hawaiian language

by Kymber-Lee Char

**Huli iā Google.** Google Search. In the “Interface Language” menu under “Settings,” tucked between “Hausa” and “Hebrew,” Hawaiian appears on a list of more than 125 interface languages now available on Google. Touch and hold your finger over any vowel for a second or two on an iPhone 3G S, and up pops a list of available diacritic characters.

Traditional Hawaiian language has been introduced to 21st century technologies, thanks in large part to the work of UH Hilo’s Ka Haka ‘Ula O Ke‘elikōlani College of Hawaiian Language and its Hale Kuamo‘o Hawaiian Language Center.

Established in 1989 by the Hawai‘i State Legislature, Hale Kuamo‘o was the only state-sanctioned Hawaiian language center in Hawai‘i and the primary source of translated and original Hawaiian language course work and curriculum, says Assistant Professor Keola Donaghy.

One of its early projects was the standardization of custom Hawaiian fonts in 1992. Being able to display and print Hawaiian characters was a start, but the fonts

were not working together. Although Hawaiian font sets were developed using various keystroke combinations, they used different keystroke sequences for generating the Hawaiian characters and most were not compatible with standard spell checkers. Several months of experimentation led to the establishment of Hale Kuamo‘o’s HI Font Standard, which addressed these problems.

The next challenge was exploring various options that would allow communication electronically via a computer Bulletin Board System, or BBS, the primary means of creating an online community before the World Wide Web. Donaghy has worked with the Unicode Consortium and web browser developer Netscape Communications.

“I’ve been communicating with folks at Apple for about 15 years,” he says. In 1994, Apple donated computers and offered support to the staff at Hale Kuamo‘o. The computers were used to develop Leokī (“powerful voice”), the first intranet telecommunications system implemented in an indigenous language, and Kualono, one of the first completely bilingual websites on the Internet.

# Hale Kuamo‘o

Donaghy makes suggestions, waits, and then celebrates when new developments are announced. Case in point—Macintosh released a new operating system in 2002, code-named Jaguar, that included a Hawaiian keyboard layout in the operating system and fonts containing diacritical marks used in the Hawaiian language. That was a huge accomplishment for supporters of the language, Donaghy says. No longer did they need to install keyboards and depend on customized fonts and hacks to type the characters.

Seven years later, a new Apple iPhone appeared that allows users to type the ‘okina (a glottal stop) and kahakō (a macron over vowels in the Hawaiian language). The diacritical marks are essential for text messaging, emailing and web surfing in Hawaiian. The iPhone’s operating system also has the option to display the days of the week, month and other text in Hawaiian. While the feature is included on every iPhone 3G S, an update can be installed on older iPhones and iPod Touch devices.

Next came a Google search in Hawaiian. By simply selecting Hawaiian as their language preference on Google, users can now perform searches without additional software. “Google is the most heavily used search engine on the internet. From a practical and a symbolic standpoint, this interface puts Hawaiian on par with the many other languages that Google supports,” says Director of Ka Haka ‘Ula O Ke‘elikōlani Kalena Silva.

Why are the diacritical language marks so important? Without it, the pronunciation and meaning of some Hawaiian words would be tough to decipher. For instance, the word “pau” has different meanings depending on placement of diacritical marks—pau means finished; pa‘u is ink powder; pa‘ū means moist or damp; pā‘ū is a skirt worn by women on horseback.

Development of the Hawaiian language interface for Google is part of the Google in Your Language program. The company works with advocates of minority and indigenous languages who volunteer their time to translate search instructions into their language. Donaghy spent more than 100 hours translating the search terms that appear on the Google page into Hawaiian—with Māori, the only Polynesian language available through the Google in Your Language program. It was available first on Apple’s Safari web browser and quickly expanded to others. No native American languages are available.

Donaghy hopes these initiatives are just another step toward giving Hawaiian the same status as English and other European and Asian languages: relevant today, not just a part of history. It is important to preserve the Hawaiian language, he says, because “once the language is lost, the culture is lost.”

He continues: “Our ultimate goal is to have technology support so ubiquitous that people can take for granted the fact that they can simply type in Hawaiian when they buy a new computer, without installing any special software. We’re still not where we want to be, but we have made great progress, and we’re in it for the long haul.”

What’s next? Maybe Facebook in Hawaiian? The possibilities are countless. But count on Donaghy to pursue anything that strengthens the ability for Hawaiian speakers to use their language with emerging technologies.

‘O ka ‘ōlelo ke ka‘ā o ka maui; language is the fiber that binds us to our cultural identity. ʻM

Kymer-Lee Char is an External Affairs and University Relations public information officer

## Hawaiian on the iPhone

(for iPhone 3GS; upgrades available for previous models and iPod Touch)

### To type a vowel with a kahakō over it:

- Touch and hold your finger on the vowel for a second or two to bring up a pop-up list with several diacritic characters.
- Drag your finger over the desired vowel-macron, then lift your finger.

### To type the ‘okina:

- Toggle the keyboard to display number and punctuation marks by pressing the “123” key.
- Select the apostrophe key, hold it down for a second or two to bring up a pop-up list showing variant characters.
- Drag your finger over the far left (‘okina) character, then lift your finger.

## Google in Hawaiian

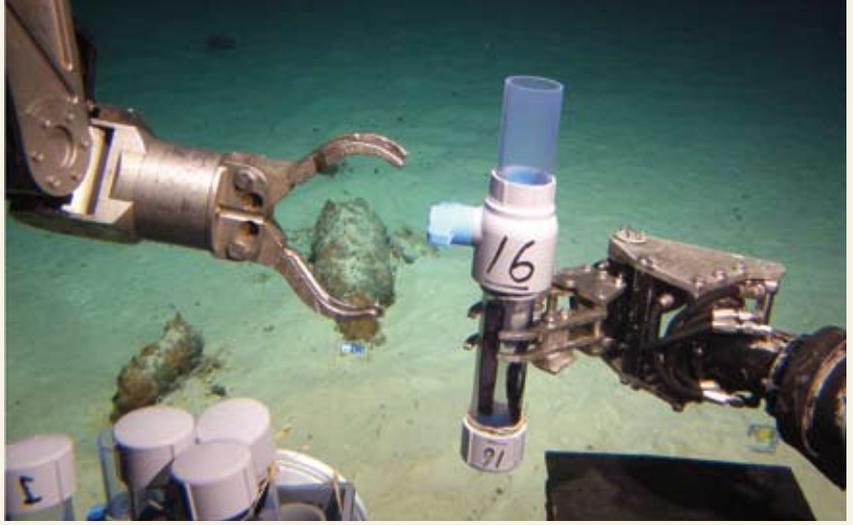
 (available on many web browsers)

- Go to the Google homepage, [www.google.com](http://www.google.com).
- Click on “Language Tools” to the right of the search field.
- Scroll to “Use the Google Interface in Your Language” and select Hawaiian

Your Google homepage now has commands and navigational text in Hawaiian; you can kele, or navigate, the Internet in Hawaiian. (Search results and web pages found by Google are not translated.)

To return to English, click on “Google.com in English.”





Post WWII ordnance disposal, left; water sampling in 2009

## Scientists search for discarded chemical agents

What Margo Edwards calls “My Scientific Detective Story” begins with flashbacks.

World War II is over. Mustard agent (a liquid used to produce mustard gas) has been stockpiled for decades from Europe to Asia. Disposal options: bury, burn or dump the containers at sea. Years later, Baltic Sea fishermen find unusual nodules in their nets. The polymerized balls contain liquid that burns the skin of people who come in contact with it.

The United States signs a 1975 treaty banning ocean disposal of chemical weapons. One year later, scientists conducting a biological survey for the Department of Defense south of Pearl Harbor find a dozen leaky cylinders; people handling them suffer mustard burns. A follow-up survey observes conventional munitions, but no additional mustard containers.

Fast forward to 2007 and federal legislation requiring the military to identify its disposal sites. Hawai‘i Institute of Geophysics and Planetology Researcher Roy Wilkens proposes that UH’s School of Ocean and Earth Science and Technology employ its expertise. The resulting Hawai‘i Undersea Military Munitions Assessment, or HUMMA, is the first study of possible chemical weapons sites in Hawai‘i and the most comprehensive study ever taken in U.S. waters, says Edwards, the HIGP

researcher who headed the project.

Under a \$2.8-million contract with the Army, the UH team searched for a chemical needle in a 500-meter-deep haystack outside Pearl Harbor. To improve their odds, they scrutinized historical photos and memos provided by the Army and queried witnesses. Honolulu resident Tom Clarke, who had worked on the barges, used traditional Hawaiian navigation techniques to identify where objects were rolled overboard.

The team also viewed video from the Hawai‘i Undersea Research Laboratory’s frequent training dives in the area, which had documented munitions along with World War II Japanese submarines (*Mālamalama* January 2003 and November 2009).

The Hawai‘i Mapping Research Group then spent five days crisscrossing the area, collecting sonar data that revealed what looked like beaded “ant trails.” Submersibles went in for a close-up view. “We found ammo boxes, lots of steel cable, depth charges” along with a lot of civilian trash from tires to stuffed toys, says Edwards. Munitions were largely intact, but none were identified as the chemical culprits.

**We wanted to look at the ocean’s effect on munitions and munitions effect on the ocean**

Still, she counts the investigation a success. “A secondary goal of HUMMA was to develop a systematic approach for locating, bounding and characterizing deep water sea disposal sites,” she explains. “This approach will serve as a template for developing cost-efficient methodologies for use at other sites of similar or deeper depths.” The munitions that were found were mapped, and water, sediment and sea life samples taken near them are being analyzed.

“We wanted to look at the ocean’s effect on munitions and munitions effect on the ocean,” Edwards says. While the Pearl Harbor site had few species consumed by humans, lessening the risk from bioaccumulation of toxins, munitions and mustard agents were also dumped near fishing areas such as the Northeast Atlantic and off the Gulf Coast.

“My children still get to swim at Magic Island,” she says. Still, with 16,000 deteriorating containers out there, she urges additional surveys and continued monitoring. And she reminds students aghast at the military dumping that their generation is hardly blame-free. The debris littering the seafloor not far from one of the island’s most beautiful beaches contains “more Bud cans than bombs,” she says, and the beer cans look new. 

—Cheryl Ernst

 **Web extra: Ordnance hunt video,**  
[www.hawaii.edu/malamalama](http://www.hawaii.edu/malamalama)

# Childhood friends grow a successful business

by Brendan Sagara

**M**ix equal parts botany and sociology with some hard work and sushi, and you have the recipe for a company that is a cultural, environmental and business success. That's the back story of Hui Kū Maoli Ola, Hawaiian Plant Specialists, a company based in Kāneʻohe and Waimānalo that traces its roots to the UH Mānoa campus.

Friends from small-kid time, college students Rick Barboza (BA '99) and Matt Schirman (BA '98) found their seemingly disparate majors had more in common than they anticipated. "Matt was taking Hawaiian studies and I was studying zoology, but we found ourselves both starting to learn about native plants," recalls Barboza. "I was learning it from an ecological standpoint, and Matt from the cultural side."

In retrospect, it all makes sense. "Plants are the foundation of our culture," explains Schirman. "In Hawai'i, we have a unique set of cultural practices that utilize material from our native plants. If we lose the plants that are endemic to Hawai'i, then the cultural practices that use those plants will be affected. If we take care of the plants, we're able to perpetuate those practices."

Native plants also help sustain native wildlife, he adds. "Environmentally speaking, our native birds and insects co-evolved with the plants. Over time they have come to depend on those plants. If we lose the plants, we lose the birds, and another part of our culture."

At the time, however, both young men were simply looking for native plants for their parents' houses. "We went to a bunch of nurseries and they either didn't have

what we were looking for or had no idea what we were talking about," says Barboza.

They began going hiking, returning home with seeds they gathered. After purchasing a few books on plant propagation, they began to test their green thumbs. "Soon we had about 30 plants. We only started out wanting enough for our homes. So there we were, with yards full of our extra plants."

And a revelation.

Back then, the only native plants Barboza and Schirman found for sale were at occasional Lyon Arboretum or Foster Botanical Gardens events. Demand always exceeded supply. "One time we were at the arboretum and counted 400 people in line for plants," Barboza says. "If you weren't one of the first 50 people, you weren't getting any. So Matt and I would split up and grab whatever plants we could find. Then we'd get together and make sure we didn't have any of the same plants. That's how we built up our plant base."

They decided to hold a plant sale of their own. Setting up shop at the university's Hawaiian Studies building, they sold-out four truckloads. After another strong sale, Barboza and Schirman went into business full-time. "Matt was in grad school and I was still finishing my bachelor's degree. We decided to give it a try for a year. We figured if it failed we'd go back to school."

Growing from humble roots, Hui Kū Maoli Ola's big break came in a sushi restaurant.

**The idea for a native plant nursery took root after Rick Barboza, left, and Matt Schirman had trouble obtaining plants for their parents' homes**



**Plants are the foundation of our culture**

## From native to endemic

**Native plants** arrived in Hawai'i via natural process, riding wind or wave currents or carried by migratory birds. Species are **indigenous** when they are native to Hawai'i as well as elsewhere. Evolving over time, they become **endemic** once differentiated into a species found only in Hawai'i. Out of the islands' 1,100 known native plant species, 90 percent are endemic.



**The business blossomed with public education and habit restoration components; tours include introduction to a variety of taro species**

"I used to work part-time as a sushi chef in Waikīkī," Barboza says. "So one night this guy walks in and we started talking story. He asked me if I did anything besides make sushi, and I mentioned our native plant business. He got excited and was really into it. He asked me if we could sell in bulk, and I said yes, even though we had fewer than 200 plants in stock at the time."

Turns out the stranger was the executive buyer for Home Depot, then building its Honolulu store. "I didn't even know what Home Depot was back then, but he left me his business card and I called a couple of weeks later," Barboza says. "That allowed us to move forward with our business and it really expanded from there."

Steady buyer in hand, Hui Kū Maoli Ola branched out, offering consulting and habitat restoration services to have a greater direct impact. Landscaping the new Disney resort in 'Ewa, the Kamehameha Schools campus and other Bishop Estate properties and undertaking restoration projects for federal and state agencies allowed the duo to return native plants to their habitats en masse. Helping in the effort are fellow Mānoa alumni—nursery manager Jon Lum (BA '98) and project manager Kelvin McKeague (BA '98).

"Our landscaping work gives us the ability to use native plants and showcase their natural beauty," Barboza

says. "The restorations are really near to my heart, as it allows us to remove invasive species and plant native plants that were meant to be there. It lets us set things back the way they were meant to be."

Barboza and Schirman also provide educational services under their non-profit organization, Papahana Kuaola, which offers a variety of lectures and presentations, field trips and guided tours. "The parcel of land we use consists of 60 acres. We have our nursery set-up on two of those acres," Schirman says. "We use the rest of it is for educational purposes and outreach to the community. That is a very important part of what we are trying to do."

They hope to raise awareness of the identification and significance of native plants. "There is lot of confusion about which are native plants," Barboza explains. People who brought plants into the islands in the past didn't foresee that invasive species would keep plants that belong here from growing. Strawberry guava is one of the worst offenders in the wet forest. Its leaves fall to the ground and release a chemical that prevents other plants from growing in the area. A chemical released by eucalyptus roots has the same effect.

"In Hawai'i we are finding it harder to practice our culture," says Kamehameha Schools graduate Barboza. "The food we eat, the plants we made our clothes from, the plants that gave us the dye for our clothes, the plants our healers needed to practice, all come from our land. It's a shame that hula hālau need to go to the neighbor islands to find lehua to make lei because they can't find what they need here on O'ahu."

That may be changing. Since Hui Kū Maoli Ola formed in 1999, the state has honored 30,000 requests for the sale of endangered native plants from vendors. A whopping 75 percent of those came from Barboza and Schirman's nursery.

"Usually, the bigger the business, the worse things are for the environment," Barboza grins. "But for us, it's the inverse. The bigger we get, the more we can help our island home." ①

Brendan Sagara (BBA '97 Hilo) is a Honolulu freelance writer

## Don't be fooled

**Among the invasive species often mistaken as native because they have Hawaiian names are:**

**'awapuhi (ginger); kiawe (mesquite); kuawa (guava)**

**liliko'i (passion fruit); waiwī (strawberry guava)**



**Web extra: Video of some native plants for the home garden, [www.hawaii.edu/malamalama](http://www.hawaii.edu/malamalama)**

## UHAA supports students, inspires youth and honors alumni

Aloha!



The UH Alumni Association is busy on many fronts this spring, especially in supporting UH students. We are thankful to our chapters and members who are doing so much to contribute to student success—

• Our **San Francisco Bay Area** chapter recently established an annual scholarship for a student from the Bay Area to attend the University of Hawai'i.

• Our **Los Angeles/Orange County** chapter is in the process of endowing a scholarship.

• The UHAA **endowed scholarship** awarded five students from various campuses scholarships for the spring semester.

We are creating an **Alumni Speakers Bureau**, which will send UH graduates from a variety of fields to area high schools as ambassadors, to share with students and counselors how their educational opportunities at UH resulted in career success. If you are interested in volunteering for the Alumni Speakers Bureau, please e-mail us at [info@UHalumni.org](mailto:info@UHalumni.org).

On behalf of the UHAA Board of Directors, we welcome and introduce the UHAA first vice president and **incoming**

**president, Douglas Inouye '85.**

A Mānoa journalism graduate, Inouye received his executive MBA from the Shidler College of Business and joined the UHAA board in 2003. He



**Incoming president Douglas Inouye**

is an attorney and general counsel at The Queen's Health Systems. His enthusiasm for UH and dedication to our board will make him an excellent president.

Passing of the UHAA presidential gavel will happen at our 2010 **Distinguished Alumni Awards** dinner on May 11 at the Sheraton Waikīkī. We hope you will join us in honoring Wesley Fong '65; David Lassner '98; Ashok Kumar Malhotra '69; Virginia Pressler '75, '81, '82; and Patricia Saiki '52 for their career achievements and contributions to their communities and to our alma mater. It is certain to be an evening of alumni fellowship and pride. For more information, visit [www.UHalumni.org](http://www.UHalumni.org).

Hope to see you soon,  
Mitchell Ka'aiali'i '92, '97, President  
Janet Yoshida Bullard '82, Executive Director

### Introducing ...

# UHAA *online* 'ohana

The **UH Alumni Association** online community has a new name, a fresh look and more features. Same username and password – totally updated profile page:

- Integrate with your Facebook page
- Set up RSS feeds
- Add photos
- Build your friends list
- Join groups
- Send class notes to *Mālamalama*
- Bookmark listings in the alumni directory

Don't have an account yet? It's free for all alumni of the UH System and UHAA members. Stay connected!



## UHalumni.org

## Alumni calendar



**Apr 27–May 1 ROTC reunion** In celebration of its 90th anniversary, UH ROTC plans an all-years ROTC reunion. Activities include Mānoa campus tour and Arizona Memorial tours; golf tournament; UH athletic event; and the 2010 Army ROTC Military Ball Lū‘au. Retirees are encouraged to wear the dress uniform of their period of service. Contact Ed Gayagas at 808 486-2153 or gobowz@hawaii.rr.com or visit [www.hawaii.edu/armyrotc/alumni.html](http://www.hawaii.edu/armyrotc/alumni.html).



**May 5 Shidler College Business Night** The Shidler College of Business hosts its annual Business Night mentoring event at the Hilton Hawaiian Village Beach Resort and Spa. Mentors are needed; see [www.shidler.hawaii.edu/businessnight](http://www.shidler.hawaii.edu/businessnight).

**May 7 CTAHR Awards Banquet** The 22nd Annual CTAHR Awards Banquet at the Sheraton Waikīkī will feature an island-fresh menu and honor outstanding CTAHR faculty, staff and students. Contact Vicky Perry at 808 956-3090 or [events@ctahr.hawaii.edu](mailto:events@ctahr.hawaii.edu).

**May 15 UHAA–Las Vegas golf tournament** The 10th scholarship golf tournament is at the Silverstone Golf Club. Visit [www.UHalumni.org](http://www.UHalumni.org) or contact Kauī Kaleo at [kau1@cox.net](mailto:kau1@cox.net) or 702 451-1350.

**Jun 17 Free personal statement workshop** Write a winning personal statement that gets the attention of graduate school admissions officers. For information, visit [www.uhalumni.org](http://www.uhalumni.org) or call 808 956-2586.

**Jun 19 Adopt-A-Highway cleanup** The Adopt-A-Highway cleanup begins at 9 a.m. at Kawaiku‘i Beach Park on the makai side of Kalaniana‘ole Highway. For information, call 808 956-2586 or e-mail [events@UHalumni.org](mailto:events@UHalumni.org).

## UHAA and chapter news

### Tailgate with UHAA at West Point and Colorado

Save the date for the UH Road Warrior fall football tailgates when the Warriors take on the Army Black Knights Sept. 11, the Colorado Buffaloes Sept. 18 and the Fresno State Bulldogs Oct. 9. Travel packages are available, visit [www.UHalumni.org](http://www.UHalumni.org).

### Get 50 percent off UH athletics tickets

UHAA members get 50-percent-off tickets at 2010 Mānoa Athletics Alumni Night events. Baseball Alumni Nights are scheduled Apr. 30, May 1 and May 2 against Nevada. A valid UHAA membership card is required when purchasing tickets at Aloha Stadium, Stan Sheriff Center or Les Murakami Baseball Stadium. Restrictions may apply. Not a member? Join UHAA at [www.UHalumni.org](http://www.UHalumni.org).

### Submit entries for 2011 Alumni Art Calendar

UHAA is accepting submissions for its 2011 Alumni Art Calendar. Entries must be high-resolution digital photos (at least 11.25" wide x 8.75" tall at 300 dpi) of original artwork created by UH alumni; the deadline is 5 p.m. July 30. For more information e-mail [info@UHalumni.org](mailto:info@UHalumni.org).

### Bay Area alumni plan scholarship lū‘au

UHAA–San Francisco Bay Area Chapter plans events throughout the area, including fundraising activities to support its annual \$3,000 scholarship for an incoming UH student. The chapter lū‘au and scholarship fundraiser is scheduled noon–3 p.m. June 13 in Foster City, Calif. E-mail [uhaasfba@gmail.com](mailto:uhaasfba@gmail.com) or join the University of Hawai‘i Alumni Association–Northern California Facebook group.



### Second language studies celebrates 40th

Mānoa’s Department of Second Language Studies celebrated 40 years of linguistic success at the Campus Center Ballroom Sept. 19, master’s candidates Moonyoung Park and Sakol Suethanapornkul report. The first annual Distinguished Alumni Award was presented to Jonathan Hull (MA ’86) and Susan Proctor (MA ’87), pictured, creators of the ‘Oihana Maika‘i Fund for Professional Development. The recipients participated in a teaching practicum at Ubon-Rajathanee University in Thailand.

# UHAA to Honor Distinguished Alumni at May Banquet

The UH Alumni Association will present Distinguished Alumni Awards to four alumni and recognize the UH Founders Alumni Association Lifetime Achievement Award honoree May 11 at the Sheraton Waikīkī.

## 2010 Distinguished Alumni Awards

**Wesley Fong** (BA in political science '65 Mānoa) is a retired attorney who teaches in the UH Mānoa School of Travel Industry Management. Fong served as deputy attorney general for Hawai'i, deputy corporation counsel for Honolulu and staff counsel for Fireman's Fund Insurance Company. He is a decorated Vietnam veteran and retired Army colonel. Fong has been active in numerous community organizations, currently serving as vice chair of his neighborhood board, president of Mun Lun Chinese Language School and a director of Catholic Charities Hawai'i. He received the national Jefferson Award for Public Service and the Organization of Chinese Americans Award for community service.



**David Lassner** (PhD in communication and information sciences '98 Mānoa) is vice president for information technology and chief information officer for the UH System. Working in UH technical and management positions since 1977, he created the university's integrated systemwide information technology support organization. He has secured more than \$270 million in contracts and grants and taught in several departments. Lassner chaired or served on the boards of the Western Cooperative for Educational Telecommunications, Internet2, EDUCAUSE, Pacific Telecommunications Council and Kualī Foundation. Locally, he served on the Hawai'i Public Television and High Technology Development Corporation boards and chaired the Hawai'i Broadband Task Force.



**Ashok Kumar Malhotra** (PhD in philosophy '69 Mānoa) is a distinguished teaching professor of philosophy at the State University of New York at Oneonta and a 2010 Nobel Peace Prize nominee. He established the SUNY Oneonta Learn-and-Serve study abroad program in India and has led 17 groups of students, faculty and community members on mis-



sions to feed the poor, assist in medical clinics and build schools in remote villages. Funding for the schools comes from Malhotra's Ninash Foundation, a non-profit organization established in 1996 in honor of his late wife, Nina. He has served on the SUNY Press editorial board and National Endowment for the Humanities board and authored 12 books. He has endowed four annual Seva (Sanskrit for "compassionate service") Awards at UH and SUNY Oneonta.

**Virginia Pressler** (MBA '75, MS in physiology '81, MD '82 Mānoa) is executive vice president and chief strategic officer for Hawai'i Pacific Health. She served as deputy director of the state Department of Health, president and CEO of the Premier Plan, vice president at The Queen's Health Systems, director of surgical education at The Queen's Medical Center and associate professor of surgery at UH's John A. Burns School of Medicine and maintained a private surgical practice. Involved with the American Cancer Society for more than 20 years, she was president of the Hawai'i Pacific Division and a national assembly delegate. She chairs the Chamber of Commerce Health Committee and initiated the Tobacco Trust Fund, Healthy Hawai'i Initiative, Hawai'i Uninsured Project and Hawai'i Comprehensive Cancer Control Program.



## UH Founders Alumni Association Lifetime Achievement Award

**Patricia Fukuda Saiki** (BS '52 Mānoa) is a former U.S. congresswoman. A teacher, union organizer and legislative research assistant, Saiki served as secretary, vice chair and chair of the state Republican Party. First elected to the state House of Representatives in 1968, she served as a state senator 1974-82 and was Hawai'i's first post-statehood Republican in the U.S. House of Representatives 1987-91. As administrator of the Small Business Administration, she was the first Asian American to lead a federal agency. She taught at Harvard University's Institute of Politics before returning to Hawai'i to become the first woman to run for Hawai'i governor on a major party ticket.



For information about the dinner and silent auction, see [www.UHalumni.org](http://www.UHalumni.org).



## Renee Adaniya Chung

### Match maker for life

**UH degree:** BBA in travel industry management '90 Mānoa

**Career:** Program manager, Hawai'i Bone Marrow Donor Registry

**Roots:** 'Aiea

**Donee:** "Butch" Lane of Murfreesboro, Tenn.

**Reward:** "It's inspiring to see patients wanting to help others in their situation and families supporting each other."

Eighteen years ago, Renee Adaniya Chung heard the life-changing words: "You're a match." Not a day goes by that she isn't grateful. She communicates regularly with the man who received her bone marrow and, with it, a second chance at life. So when she bumped into the Hawai'i Bone Marrow Donor Registry manager on jury duty, she agreed to leave the hotel industry for a registry job and share her story with others. Fifteen years later she is program manager of the national Be the Match program's Hawai'i affiliate.

Nearly half the registry members contacted as a match decline. Chung understands their fear. She tries to overcome myths and concerns about donating, and she reminds people that Hawai'i's members are vital in increasing the number of minority donors. "It's disappointing to not find a match for a patient in need, and it's also hard to tell a donor that the recipient has passed away." Even when a donation doesn't work out, there is benefit in giving people hope, she says, and when it does: "It's a special feeling to be chosen as a donor because you are the one person who could save their life. You can do something the doctors, medicine and treatments could not accomplish."

—Kymber-Lee Char

## Talk Story

**Campuses:** UH Mānoa, Hilo and West O'ahu; UH Maui College; Hawai'i, Honolulu, Kapi'olani, Kaua'i, Leeward and Windward Community Colleges

### 1940s

**Daniel B. T. Lau** (BA '41 Mānoa), a past UHAA Lifetime Achievement and Distinguished Alumni Awardee, will be honored by the Public Schools of Hawaii Foundation May 12.



**William S. Richardson** (BA '41 Mānoa) celebrated his 90th birthday at a Dec. 4, 2009, benefit for Mānoa's William S. Richardson School of Law. Thanks to his vision, nearly 2,500 men and women have earned law degrees.

### 1960s

**Doman Lum** (BA '60 Mānoa) published his 14th book, *Culturally Competent Practice: Understanding Diverse Groups and Justice Issues* (Brooks/Cole Publishing). He is professor emeritus of social work at California State University, Sacramento and former clinical instructor of psychiatry at Mānoa's School of Medicine.



**Belinda A. Aquino** (MA '65 Mānoa) of Mānoa's Center for Philippine Studies, was elected president of the University of the Philippines Alumni Association in America.

**Patricia Lee** (BA '65, JD '79 Mānoa) is dean of the Consular Corps of Hawai'i. An attorney with Goodstill, Anderson, Quinn & Stifel, she has been honorary consul for France since 1997.

**Walter Dods Jr.** (BBA '67 Mānoa) chairs the board at Alexander & Baldwin, where he served as director since 1989 and lead independent director since 2006.

**King Holmes** (PhD '67 Mānoa) chairs the new Department of Global Health at the University of Washington, where he has been on the faculty for more than 35 years. He founded the UW Center for AIDS and STDs in 1989.

**Michael J. Chun** (MS '68 Mānoa), president and headmaster of Kamehameha Schools, Kapālama Campus, will receive the 2010 University of Kansas School of Engineering Distinguished Engineering Service Award May 6.

**Roxie Munro** (BFA '69 Mānoa), of New York, has written and illustrated more than 30 children's books. Her art has appeared on 14 *New Yorker* magazine covers and in numerous collections and exhibitions. She lectures at conferences, schools and libraries and teaches workshops in the U.S. and Italy. See [www.roxiemunro.com](http://www.roxiemunro.com)

### 1970s



**Gay Smith** (BA '70, MA '71 Mānoa) spoke about her new book *Lady Macbeth in America: From the Stage to the White House* (Palgrave Macmillan) at the January Arts and Humanities Conference in Waikīkī. She is professor emerita of theatre at Wesleyan University in Connecticut.

**Bernard Garon** (BS '72, MS '74 Mānoa) retired from St. Joseph's Hospital, St. Paul, Minn., after 34 years as a speech pathologist. He is noted for research on dysphagia (swallow disorders). He and his wife of 40 years, Francine, live in St. Paul.



**Diane Ono** (BA '73, JD '91, Mānoa; AS '82 KapCC) returns to the Friends of the Cancer Research Center of Hawai'i board as vice president/secretary. She is an attorney at Galiher DeRobertis Ono. Her personal experience with cancer began in 1997 when her daughter was diagnosed with acute lymphocytic leukemia at age 4.

**Stanley M. Kuriyama** (BA '74 Mānoa) is chief executive officer of Alexander & Baldwin. With A&B since 1992, the last two years as president, he has been responsible for Matson Navigation Company and the A&B Land Group.

**Ed Kubo** (BA '76 Mānoa) is circuit court judge for Hawai'i's first circuit. He served as U.S. attorney for Hawai'i for 8 years.



**Michael P. LaPorte** (BA '76, MBA '85 Mānoa) is vice president of the O'ahu division for The Gas Company, directing about 120 employees. He joined the company in 1985, serving as vice president and controller since 2006.

**Deborah Hopkinson** (MA '78 Mānoa), Portland, Ore., launched her children's book *Stagecoach Sal* in September 2009. The idea came during a visit to the Wells Fargo Foundation in Portland, where a lobby display featured the story of 14-year-old stagecoach driver Delia Hackett Rawson.

**Brian McAllister Linn** (BA '78 Mānoa) holds the Ralph R. Thomas Professorship in Liberal Arts at Texas A&M University. His 2008 book *The Echo of Battle: The Army's Way of War* was issued in paperback (Harvard University Press). He was elected president of the Society for Military History

and recently returned from a Fulbright Fellowship at the National University of Singapore.

## 1980s



**Ian Chu** (MBA '80 Mānoa) was elected to the court, or governing body, of the University of Hong Kong.

**Russell Y. J. Chung** (BA '80 Mānoa) earned his Leadership in Energy and Environmental Design Accredited Professional designation. Executive vice president at PBR Hawai'i & Associates, he has more than 27 years of landscape architecture experience.



**Ralph Kanetoku** (BBA '80 Mānoa) joined Kobayashi, Kanetoku, Doi, Lum & Yasuda CPAs in Honolulu as assurance partner. He brings 28 years of public accounting



experience.

**Kamyau Chan** (BBA '81 Mānoa) finished his PhD in theological studies in 2002 and published *Kiss God's Son: From the Structure of the Psalms to Its Message* (Tien Dao Publishing) in 2009.

**Eric Tom** (BBA '81 Mānoa) joined Nevada-based International Game Technology as executive vice president of sales and marketing for North America.

**Teresa M. Chen** (PhD '82 Mānoa), co-founder of Pacific Complementary Medicine Center, released *A Tradition of Soup—Flavors from China's Pearl River Delta* (North Atlantic Books). It discusses prevention-based nutrition, offering more than 100 traditional Cantonese soup recipes aligned with the Chinese approach to health.

**Natalie Taniguchi** (BBA '82 Mānoa) was promoted to executive vice president of enterprise management at American Savings Bank. She joined the bank in 2002.



**Carole Suzanne Atkins** (MEd '83, PhD '98 Mānoa) is pursuing academic interests since retiring as an analyst and computer programmer with the Honolulu Police Department. She

previously worked with the Hawai'i State Department of Education and the City and

County of Honolulu Department of Civil Service/Human Resources.

**Robert Hobbs** (AS '83 Mānoa) has been a visual information specialist with the Centers for Disease Control and Prevention since 1998. He spent three years in Los Angeles, working as a background actor on the TV show *ER* and architectural visualization artist for Broquard Studio. He published *Dark Art: Draw and Paint Witches and Their Worlds* (David & Charles Ltd.) and is working on several publishing projects and a new series of paintings.



**Richard Kasuya** (BA '83, MD '89 Mānoa) is associate dean for medical education at Mānoa's John A. Burns School of Medicine. A professor of medicine, he has served as

director of the Office of Medical Education since 2001.

**Wilmer Snell** (MS '83 Mānoa) is an agriculturist with the U.S. Department of Agriculture Animal and Plant Health Inspection Service in Riverdale, Md. The Texas native recently volunteered for a 13-month assignment helping rebuild Afghanistan's agricultural sector.

**Melissa T. Pavlicek** (BA '85, JD '96 Mānoa) of Hawai'i Public Policy Advocates was appointed executive director of the Hawai'i Psychological Association.

**David Awasum** (MPH '86 Mānoa) has been with Johns Hopkins Bloomberg School of Public Health, Center for Communication Programs since 1994. He works in Bamako, Mali, on a USAID-funded project delivering integrated health services to communities.

**Rick Ching** (MBA '86 Mānoa) is president of Servco Automotive. With the company for nearly 25 years, he continues to serve as executive vice president of Servco Pacific.



**Gwen Yamamoto-Lau** (BBA '86 Mānoa) is president of the Hawai'i Community Reinvestment Corporation, which provides assistance and financing to developers and owners of affordable rental housing projects.



**Grant Murakami** (BA '87 Mānoa) earned his Leadership in Energy and Environmental Design Accredited Professional designation. As principal planner at PBR



## Florence Nakakuni

### Hawai'i's top law officer

**UH degrees:** BEd '74, JD '78 Mānoa

**Career:** U.S. district attorney

**Roots:** Pālolo, O'ahu

**Known for:** her laugh

**Responsible for:** a staff of 70, including 28 attorneys

Local girl Florence Nakakuni was sworn in as Hawai'i's U.S. district attorney in November before a packed house of friends and family. The first woman to serve as the state's top ranking law enforcement official, she spent 24 years as an assistant U.S. attorney, including 4 years as chief of the Drug and Organized Crime Section.

Nakakuni was an attorney-advisor with the U.S. Department of Justice in the Office of Information and Privacy Appeals in Washington, D.C., an opportunity made possible by former UH law professor Karen Czapanskiy. "I believe our education system in Hawai'i is second to none," the Kaimukī High School alumna says. "I really got a good education at the University of Hawai'i. I am a product of our public school system and I'm proud of that, it served me well in my life. Mentors in law school encouraged me to develop my own identity as a woman and my style as a trial attorney."

Nakakuni is charged with rejuvenating an office that last year filed 35 percent fewer criminal cases, the result of transition in leadership. "People serving in the interim couldn't commit to long-term goals. Now we can move forward," she says. "There's a lot of work for me to do and I'm looking to make sure we do the right things. As federal prosecutors, we have enormous power, and with that comes a huge responsibility and obligation."

—Brendan Sagara



## Beverly Willis

### Pioneer architect

**UH degree:** BFA '54 Mānoa

**Roots:** Born in Tulsa, placed in an orphanage at age 6

**Role model:** Hawai'i developer Henry Kaiser

**Best known project:** San Francisco Ballet Building

**Cameo:** Appears in the Charlot mural at Mānoa's Bachman Hall

A woman of restless energy and eclectic interests, Beverly Willis studied engineering in Oregon and art in California before pursuing Far Eastern art history in Hawai'i. She founded the Willis Atelier in Waikīkī. Pioneering a technique for sand-cast mural panels, she designed the Shell Bar at the Royal Hawaiian Hilton that became a backdrop in the television series *Hawai'i Five-o*.

Returning to San Francisco, she opened Beverly Willis Design. In the 1970s she harnessed the computer to develop the Computerized Approach to Residential Land Analysis to employ environmental planning techniques in large-scale, multi-family housing projects. CARLA guided placement in Āliamanu Valley community.

Often the first woman in leadership positions (she was president of the California Council of American Institute of Architects, a U.S. delegate to the United Nations Conference on Habitat and member of the National Academy of Science's Board on Infrastructure and Constructed Environment), Willis established the Beverly Willis Architecture Foundation to recognize American women architects of the 20th century.

<http://www.bwaf.org/about.html>  
<http://beverlywillis.com/>

—Heidi Sakuma

Hawai'i & Associates, he helps clients identify and implement sustainable design.



**Laurie Young-Kagamida** (BBA '89 Mānoa) has been admitted as a shareholder at Sterling & Tucker CPAs. She joined the firm in 1996.

### 1990s

**James Lawson** (BA '90, MBA '96 Mānoa) is vice president and district manager for Bank of Hawai'i's American Samoa region. He was vice president and country manager for the Republic of Palau.

**Michael Tresler** (BBA '91 Mānoa) was elected to the UH Foundation Board of Trustees. He is senior vice president of Grove Farm Company, headquartered in Līhu'e.



**Joy (Nishie) Hansen** (BA '92 Mānoa) and Paul Hansen announce the birth of Jack William Tomio on Nov. 5, 2009, in Pineville, N.C.



**Carol Davis** (BBA '93 Mānoa) is vice president, Client Consulting Group of Atlas Insurance Agency, with a concentration on healthcare, nonprofit organizations and schools.

**Jay Ihara** (BBA '93 Mānoa) is interim director of operations for the Boys & Girls Club of the Big Island. He was previously unit director in Pāhoā.



**Charles Y. Kaneshiro** (BArch '93 Mānoa) is president of the American Institute of Architects, Honolulu Chapter. He is a principal with Group 70 International in Honolulu, special-

izing in educational and institutional facilities.

**Scott Alika Abrigo** (BA '94, MURP '06 Mānoa) earned his Leadership in Energy and Environmental Design Accredited Professional designation. He heads PBR Hawai'i & Associates' new Kapolei office, working within a mile of home.



**Jason Nagai** (BBA '94 Mānoa) was elected treasurer of the Friends of the Cancer Research Center of Hawai'i. A CPA, he is a senior manager at Ernst & Young.



**Joseph DeMattos Jr.** (BA '95 Mānoa) is president of Health Facilities Association of Maryland. He was with AARP in Washington, D.C., Texas, Hawai'i and, most recently, as senior state director in

Maryland. He is a past president of the UH Alumni Association.

**Micah Kane** (MBA '95 Mānoa) is a trustee of Kamehameha Schools. He previously chaired the Department of Hawaiian Home Lands.



**Aaron Sato** (BA '95, MBA '98, MAcc '00 Mānoa) is vice president and treasurer for Finance Factors, managing asset/liability functions of the company.

**Kathryne Auerback** (BA '96 Mānoa) launched Generation Strategy to help organizations reduce costs, manage risks and build value through sustainability strategy and program development. See [www.generationstrategy.net](http://www.generationstrategy.net)

**Christopher Chun** (BA '97, JD '03 Mānoa) is executive director of the Hawai'i High School Athletic Association. A civil litigation attorney for Lyle S. Hosoda & Associates, he served as general counsel for the O'ahu Interscholastic Association.

**C. Keith Haugen** (BA '97 Mānoa) released *Whisper 'Semper Fi, The Ballad of the Leatherneck* as a musical tribute to U.S. service men and women; free download at [www.hawaiiansong.com](http://www.hawaiiansong.com). Semi-retired, he and his wife Carmen perform at casual events.

**Spencer Leineweber** (MA '97 Mānoa), professor and graduate chair of the Mānoa School of Architecture, was elected vice president/president-elect of the American Institute of Architects, Honolulu Chapter.

**Scott Nago** (BA '97 Mānoa) is interim chief elections officer for Hawai'i. He has worked for the state Office of Elections since 1997.

**Clay Adler** (JD '98 Mānoa) is consular chief for the U.S. Embassy in Kathmandu, Nepal.



**Web extra:** Additional alumni profile on national Paramedic of the Year Chris Honda, under "People" at [www.hawaii.edu/malamalama](http://www.hawaii.edu/malamalama)



**Lee Chen** (MFA '98 Mānoa) returned to the stage after a nine-year absence while raising her two sons (now 8 and 5) and teaching English as a second language. She por-

trayed the lead character at ages 70 and 100 in the Chinese language play, *SpringSummerAutumnWinter*. She also played lead characters in two short films during the summer.

**Candes Gentry** (BS '98, MBA '04 Mānoa) recently released her third album, *Christmas Will Find Us Wherever We Are* available at [www.candescd.com](http://www.candescd.com).



**Scott K. Parker** (BED '98, MEd '04 Mānoa) is a staff sergeant in the Hawai'i Air National Guard's 204th Airlift Squadron. He recently completed initial loadmaster qualifica-

tion training.

**Keith Amemiya** (BBA '99, JD '91 Mānoa), former executive director of the Hawai'i High School Athletic Association, is interim executive administrator and secretary of the UH Board of Regents.



**Ray Imamura** (AS '99 Leeward; BA '09 West O'ahu) celebrated December graduation with his family of UH alumni: wife **Paula** (BA '93 Mānoa); brothers **Ron** (AA '99 Kapi'olani) and **Roy** (BE '00, MAcc '03 Mānoa); mother **May Imamura-Uruu** (BE '62, PD '65 Mānoa); sister **Amy** (BE '91, PD '93, MEd '96 Mānoa) and brother-in-law **Darin** (BA '91 Mānoa) **Tomi**; and sister **Betsy Yamaoka** (AA '94 Leeward; BS '01 Mānoa). All are life members of the UH Alumni Association.

**R. Hokulei Lindsey** (BA '99, JD '02 Mānoa), assistant professor at Southern Illinois University School of Law, is chair of the Association of American Law Schools 2011 Section on Indian Nations and Indigenous Peoples.



**Kimberly Iezza Miyashiro** (BA '99, MHRM '09 Mānoa) is senior human resources manager at Remedy Intelligent Staffing of Honolulu. She oversees operations and works with

employers and associates on recruitment, benefits, payroll and service placements.

## 2000s

**Quinn Plant** (JD '00 Mānoa) is an associate at the law firm of Menke Jackson Beyer Ehlis & Harper in Yakima, Wash. He was a U.S. Foreign Service officer for seven years, posted in China, Burma and Fiji.

**John Robert Egan** (MA '01, JD '04 Mānoa) opened a law practice to assist international students at Hawai'i colleges and universities who would like to work in the U.S. after completing their studies.



**Guy Fujishige** (BBA '01 Mānoa) was one of nine executives presented 2009 Distinguished Sales and Marketing Awards by Sales & Marketing Executives International,

Honolulu. Guy is a financial advisor with Ameriprise Financial.

**Starr R. Carter** (BS '02 Mānoa) is director of land conservation at the Thousand Islands Land Trust in upstate New York. She oversees land conservation efforts of the trust and works with landowners to explore conservation easement options and develop conservation programs. Carter was previously a wildlife technician for the Pacific Environmental Corp. and the Clean Islands Council in Hawai'i and has been a lab technician, horse wrangler, Secret Service officer and ophthalmic assistant.

**Joy Davidson** (BArch '02, ArchD '02 Mānoa), architect of Mason Architects, Inc., was elected secretary of the American Institute of Architects, Honolulu Chapter's 2010 board of directors.



**Ronie Foronda** (BBA '03 Mānoa), of Finance Insurance, was named 2009 National Outstanding Customer Service Representative of the Year.



**Mona L. Hirata** (MBA '03 Mānoa), president and co-founder of Weddings by Grace and Mona, taught the first wedding planning certification course offered at Kapi'olani Community College in

September 2009 in collaboration with the Wedding Planning Institute.

**Jennifer Messick** (JD '05 Mānoa), an Anchorage prosecuting attorney, writes about her 2005 externship with the



## Wima Chulakote

### Teacher of the Year

**UH degrees:** '78-'79 Kapi'olani; BBA '83, PD '97 Mānoa

**Roots:** Thailand

**Career:** Math teacher, Olomana School in Kailua

**Service:** Association of Southeast Asian Nations and liaison for Thai military personnel to the Asia-Pacific Center for Security Studies

**Family footsteps:** Chulakote's son now attends Kapi'olani

**Creed:** Seeing the good in others, you develop the best in yourself.

Hawai'i's 2010 State Teacher of the Year made his way to the United States believing "education was the only way out from farming in the rice paddies the rest of my life." But his application to Kapi'olani Community College was rejected because his score on the required English test was too low. The college's academic dean agreed to admit the young man for one semester. The stakes were high—if he did not do well, he had to leave. He made the dean's list from his first semester and matriculated to Mānoa. "Because the dean had faith in me and gave me a chance, I felt compelled to do my best and eventually return the kindness. I owe a great deal to Kapi'olani CC," Chulakote says. Small classes and patient instructors were key. "I felt blessed having instructors who understood my needs and were available to assist me." Now he conducts professional development for new teachers.

Chulakote is passionate about teaching at-risk kids. He meets them anytime, any place to provide extra help, and 90 percent pass the General Educational Development math test section.

International Criminal Tribunal for Rwanda in *Mlima, Mountains of Struggle* (Publishamerica).



**Susie Nguyen** (BA '05 Mānoa) is public relations manager at AlohaCare, responsible for internal and external marketing, communication and public relations. She joined

AlohaCare in 2006.

**Sarah Johnson Carter** (JD '06 Mānoa), director of Chromosome Disorder Outreach, and husband Scott welcomed daughter Sadie Jude Serendipity on Oct. 20. Sadie joins big sister Cayli Pualani.

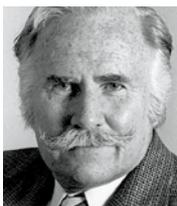
**Erin Prahler** (JD '06 Mānoa) was selected by her law firm, Simpson Thacher & Bartlett, for a year-long public service fellowship on environmental law and policy with emphasis on marine issues. Erin will work on projects with Mānoa's Environmental Law Program and the Center for Ocean Solutions in Monterey, Calif.

## In Memory

**Eugene Hachiro Imamura** (BS '44 Mānoa), 88, died on Jan. 28. He was born in Waipahu, graduated from Farrington High School and served as a medic in the 442nd Regimental Combat Team. He graduated from Kansas City University of Medicine and Bioscience College of Osteopathic Medicine and worked in family practice for 48 years. He created a Washington Osteopathic Foundation Scholarship and Echellbarger Memorial Fund and donated to the UH Scholarship Fund in memory of his sister, Tomeno Mavis Hayashi. Proceeds from his books *My Most Unusual Cases Vol. 1* and *Vol. 2* went to the Edmonds Community College Eugene Imamura Scholarship Fund.

**Shigeru Hotoke** (BEEd '51, PD '52 Mānoa), a Kailua High School teacher for 40 years, died Feb. 20. He led the school's Madrigal Singers in performances on O'ahu and abroad. Born in 'Ele'ele, he served in military intelligence during World War II and met his wife Grace while attending UH. He was choirmaster for early Honolulu Symphony opera productions and sang at Central Union Church. Memorial gifts may be made to the Richard Vine Scholarship Fund, c/o University of Hawai'i Foundation, P.O. Box 11270, Honolulu, HI 96828.

**Malvern Gilmartin** (MS '56 Mānoa), professor emeritus of zoology at the University of Maine, died Aug. 27, 2009, in Honolulu. Born in Los Angeles, he appeared in *Little Orphan Annie* as a child and served as a Navy frogman during World War II and the



Korean War. During a 33-year scientific career, he held positions at universities and agencies from Australia to Yugoslavia. He published extensively on the ocean food chain, often with his fourth wife, the late Noelia Antonia Revelante. He donated his body to the Willed Body Program at the UH John A. Burns School of Medicine.

**Clarence Paehaole Wilmington** (BS '61 Mānoa), 91, died Feb. 25 in 'Ewa Beach. Born in Wailuku and an alumnus of Kamehameha Schools, he was a retired naval architect/civic engineer. In 1941 he was a ship fitter at Pearl Harbor Naval Shipyard and married Cecile U'ilani Rose. A longtime Waikiki surfer, he was a professional wrestler in the 1940s and served as AAU wrestling commissioner, Pacific Region and wrestling coach at Farrington High School and Nu'uuanu YMCA. He served with the U.S. Navy Seabees in Japan during the Korean War.

**Dennis George McLaughlin** (MA '66, PhD '73 Mānoa), 70, died March 3. Born in New York, he graduated from Punahou School and UCLA. He worked more than 20 years with the Hawai'i Department of Health as a statistician, head of research and evaluation in adult mental health and clinical psychologist at Halawa and Hawai'i Youth Correctional Facilities. He taught psychology at Leeward Community College, UH-West O'ahu, Chaminade University and the American School of Professional Psychology and wrote extensively. In 1999 he co-founded Care Hawai'i in Honolulu to provide mental health services to children, adolescents and adults with behavioral health concerns.

**Shirley Anne Schaudies** (BA '74 Mānoa), 79, died Aug. 9, 2009. Born in Tacoma, Wash., she attended the University of Washington before studying Polynesian history at UH. She was a member of the Ladies of the Shrine and Seabeck Christian Conference Center Board of trustees and regional coordinator of the Association for Research and Enlightenment. She operated Gaylord House Bed and Breakfast in Everett for eight years with husband Gaylord and daughter Theresa. She enjoyed culinary arts, gardening, traveling and time with loved ones.

**Cynthia Lynne Garver** (MA '81 Mānoa), 66, died Nov. 10, 2009. An American Airlines reservation agent, she previously worked in academic publishing. Born in Monroe, N.C., she was a manuscript editor for foreign language college texts at Random House in New York City. She worked on agricultural research publications

at UH and for the Consultative Group on International Agricultural Research, traveling to India and Colombia. She edited *Hawai'i's Guide to Good Health* in the 1970s and worked for Holt Rinehart & Winston and Oxford University Press. She earned an AB in German and English at Heidelberg College in Ohio, taught German at the University of Texas at Austin and studied at the University of Heidelberg in Germany.



**Robert Allen Clark** (BA '92 West O'ahu), 57, died Dec. 24, 2009, in Honolulu. Born in Goffstown, N.H., he studied architectural engineering technology at

Wentworth Institute of Technology and served in the military. A certified scuba dive master, he owned Clark's Dive Academy/Tours on O'ahu. His ashes were scattered from his catamaran *Kahala Kai* at his favorite dive spot off Waikiki.

**Staffany Lin Mishina** (BS '94 Mānoa), 39, of Redondo Beach, Calif., formerly of Wahiawa, died Nov. 1, 2009, in Redondo Beach. She was an environmental engineer with ConocoPhillips in California. She married long-time boyfriend Alan Brown on Sept. 9, 2009. The funeral on Jan. 16 was a joint service for her and her father, George Mitsuo Mishina, 75, who died Dec. 22.

**John Harding Pierce Jr.**, 69, of Las Vegas, died Jan. 11. A retired General Electric electronics technician, he served in the U.S. Air Force during the Vietnam War, retiring in 1978 as a master sergeant. He and his wife **Helene Pierce** (BA '72, MSW '75 Mānoa) were members of the UH Alumni Association, Las Vegas Chapter, and Las Vegas Hawaiian Civic Club. His ashes will be spread over Ka'ena Point, Wai'anāe.

**Adelino Valentin**, 89, died Nov. 6, 2009, in Līhu'e. Born in the Philippines, he was a retired manager. He was a life member of UH Alumni Association since 1998.

## Faculty Obituaries

**Mālamalama offers condolences on the passing of the following faculty members. For obituaries see [www.hawaii.edu/malamalama](http://www.hawaii.edu/malamalama).**

**Julia Leung**, research administrator

**Ira Lichten**, food scientist

**Seymour Lutzky**, American studies scholar

**Wayne Miyamoto**, artist

**G. Raymond Nunn**, historian

**Nicholas Palumbo**, veterinarian

**Jagdish Prasad Sharma**, historian

# The Back-up Team

Ball boys and girls keep play going and players safe

by Brendan Sagara

For the young men and women athletes competing on University of Hawai'i courts, play stops when the whistle blows. Side out or timeout, the hard, shrill screech of the referee's whistle brings action to a halt, and then another team in green and white leaps into action. The anonymous units of pre-teens sprint after volleyballs spanked out of bounds or hustle out from under basketball hoops to wipe up wet spots at Stan Sheriff Center and chase down errant passes at Wahine soccer matches in Waipi'o.

They are the ball boys and ball girls of UH Mānoa sports, and they are vital. At men's and women's volleyball games, the ball girl brigade literally keeps the ball rolling—chasing balls struck out of bounds, keeping the floor dry for the athletes and rolling out freshly dried volleyballs to the service lines. (A fresh ball is required after each play during the match.) Basketball duties are similar; the volunteer crew of ball boys and girls retrieve errant balls and swab the floor to keep the players safe from slipping.

Soccer duty requires a lot more stamina. The ball girls must cover the spacious sidelines of Waipi'o Peninsula Soccer Stadium, more than 100 yards in length. Conscious of the running clock, they work in chain gang fashion to assure that a player looking for a ball to inbound has one near at hand.

"The ball boys benefit our program, taking care of our players safety and warm-ups during pre-game and floor safety during the game," says former player and current UH Basketball Director of Operations Tim Shepherd. "They also keep our program connected to the community."



**Dallon Andrade-Tomimoto keeps the court dry for basketball players. Below left, ball girls, from left, Lauren Yap, Alana Brown, Tatyana Anderson, Moana Okada and Noeau Kaohi assemble before a volleyball match. Photos by Jay Metzger**

"It's the program's way of giving back," says former Assistant Soccer Coach Derick Kato, who lined up club teams for ball girl duty for six years. "We involved girls from all the different youth leagues from all parts of the island." Girls received posters and sometimes stood with players under the stadium lights for the national anthem and *Hawai'i Pono'i*.

"It's a lot of fun," affirms ball girl Kristen Yokoyama, a 9-year-old member of the Honolulu Bulls soccer club. "I like running to get the ball. I got to meet all the players and they were really nice to us. I'd like to do it again."

The young athletes get an up-close view of what it takes to compete at the major college level. "For these girls, UH soccer is the highest level of play here, and they really look up to the Wahine players," Kato says. "A lot of the ball girls got awestruck. I think it gave them something to aspire to."

Some even make the journey from ball kid to superstar, like former Rainbow Warrior basketball standout Bobby Nash and Wahine volleyball great Kanoë Kamanao. "Being on the same court as the athletes I looked up to was a great experience," Kamanao says. "To go from working as a ball girl, wiping the floors for people like Robyn Ah Mow, to becoming a Wahine player myself was a dream come true." 🙏

Brendan Sagara (BBA '97 Hilo) is a Honolulu freelance writer

## Enlightenment



The Pali, by Ben Norris  
Oil on canvas, 72 x 48 inches  
Hawai'i State Foundation on Culture and the Arts

Exhibited in the Metropolitan Museum of Art's *American Painting at Mid-Century*, 1950, and described by Norris as "my 'homegrown' abstracting process and style...before my big change to surrealist insights" gleaned from Max Ernst

Born in Redlands, Calif., Ben Norris graduated *magna cum laude* from Pomona College, did graduate work at Harvard's Fogg Museum and studied at the Sorbonne before arriving in Hawai'i as the first art teacher at Kamehameha School for Boys. A member of the UH art faculty from 1937 until he retired to New York in 1976, Norris served as department chair during 11 formative years, developing a serious school of art and attracting internationally acclaimed visiting artists such as Max Ernst, Jean Charlot, Josef and Anni Albers and Dorothea Tanning while producing and exhibiting an impressive body of his own work.

Described as part memoir, part scrapbook, *Ben Norris: American Modernist, 1910–2006* relates in Norris's own words the life, convictions and artistic explorations of the man who shaped the course of modern art in Hawai'i. The sumptuously illustrated book is edited by his daughter Margaret Norris Castrey and distributed by University of Hawai'i Press, [www.uhpress.hawaii.edu](http://www.uhpress.hawaii.edu).

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