

mālamalama

THE LIGHT OF KNOWLEDGE

The magazine of the University of Hawai'i System

Volume 30 Number 2, May 2005



A Glass Act

Inside:

Pele-winning program
Endangered waters

Philosophical meet
Team doctors

UNIVERSITY OF HAWAII AT MĀNOA



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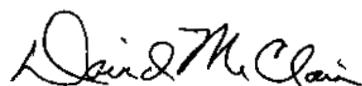
How does a public university like the University of Hawai'i, with limited advertising and marketing dollars, manage to get the word out? Simply put, we rely on the support of organizations and businesses that recognize the significance the university plays in the community. This year I am pleased that UH is benefiting from two new collaborations, one with Hawai'i Public Radio called *Points of Contact* and the other, "Hawai'i Stars from UH" in partnership with *Hawai'i Stars* and American Savings Bank.

Both forums allow the university to introduce the general public to the many fine programs and people within the UH System. Tune in daily on KHPR (88.1 FM on O'ahu and through transmitters on neighbor islands) at 8:28 a.m. and weekly on KHON 2 TV, Sundays at 6:30 and 10:30 p.m., to hear about the diversity that exists throughout our 10-campus system and how such programs contribute to the educational, economic and social well-being of our state.

We are fortunate to realize these benefits through mainstream communication channels that have widespread audience distribution. In the past, we have also been the beneficiary of multimedia partnerships with Honolulu TV stations KHNL/KFVE, KITV and PBS Hawai'i and KKEA radio that would normally be outside the scope of what a public entity like UH can afford.

I am grateful to the community organizations and business leaders who support our university system and who seek ways to assist us through win-win partnerships for our students and our state. For the schedule of UH representatives featured on the aforementioned programs and audio clips of the radio program—along with information on other programs and the university's latest news releases—visit our newsroom at www.hawaii.edu/news. UH has a lot you can be proud of!

Aloha



David McClain
President, University of Hawai'i



CONTENTS

FEATURES

- ◀ **Communicating by Design** 8
Honolulu Community College Communication Arts students earn awards while learning career skills
- 
East Timor 9
An agriculture project helps the world's newest nation get on its economic feet
- 
Water in Peril 11
UH scientists address the threat human activities, natural disasters and even terrorists pose to safe drinking water
- 
◀ **Anything but Old School** 14
The School of Medicine moves into new facilities in Kaka'ako
- 
◀ **Glass Act** 16
Popular medium draws students to Mānoa's art program
- 
Group Think 19
The East-West Philosophers Conference invites world scholars and local thinkers to consider "educations"
- ◀ **Wood Talker** 21
A carver draws on Pacific roots and values in creating art from recycled wood
- 
Successful Mentoring 23
Inspired by his professor, a UH alumnus develops important medical breakthroughs

DEPARTMENTS

- Campus News** 3
- ◀ **Research and Scholarship** 6
- Alumni** 24
- Class Notes** 27
- Sports** 31
- Enlightenment** 32

On the cover: Glass blowing requires teamwork. Undergraduates Kate Manganaro and Greg Price labor together in one of several glass techniques taught in Mānoa art studios. Story on page 16.

Mālamalama salutes Charles Brotman

Charles Michael Brotman (MA '80 Mānoa) began violin studies at age 8, but soon fell in love with acoustic guitar. As an adult, he moved from teaching to composing and producing. Both transitions paid off in a big way this year; Brotman's *Slack Key Guitar Volume 2* won The Recording Academy's first Grammy awarded in Hawaiian music. Media pictures captured Brotman and fellow Hawai'i musicians in formal garb, celebrating recognition of a music-loving local culture.



Mālamalama understands the exhilaration of praise from peers, celebrating two International Association of Business Communicators—Hawai'i 2005 'Ilima Awards of merit (in overall magazine and news-writing categories). Just as *Mālamalama* represents the work of a talented and dedicated team, *Slack Key* is a compilation of performances by Brotman, Mānoa music instructor Jeff Peterson and others. Son of a Maui paniolo, Peterson has played with artists from Eric Clapton to James Galway to shakuhachi master Riley Lee.

Brotman also has a background in classical as well as cool jazz and world music. He taught guitar at Mānoa and founded guitar trio Kohala, which tours the U.S. and Japan. After moving to the Big Island with wife Joan (a UH alum and daughter of former UH President Fujio Matsuda), he founded Palm Records and built Lava Tracks Recording Studio with sister Jody Brotman.

Ultimately, both Brotman and *Mālamalama* are about reaching people. Success is music to our ears.

Accredited: Hilo and Mānoa programs, West O'ahu and Hawai'i

Undergraduate business programs at UH Hilo's College of Business and Economics received accreditation from the Association for the Advancement of Collegiate Schools of Business—International. Hilo joins Mānoa as the only Hawai'i institutions accredited by AACSB, a 900-member organization that promotes excellence in management education and serves as the premier accrediting agency for business schools.

At Mānoa, community counseling is the third College of Education master's degree specialization to be accredited by the Council for Accreditation of Counseling and Related Educational Programs. Mānoa is one of only 18 institutions in the nation with three accredited specializations. School counseling and rehabilitation counseling programs are also accredited.

The Western Association of Schools and Colleges reaffirmed UH West O'ahu accreditation for a full seven years, and its Accrediting Commission for Community and Junior Colleges accredited Hawai'i Community College for a full six years. ACCJC placed Kaua'i, Leeward, Honolulu, Kapi'olani, Maui and Windward on warning status, calling for better system support for campus assessment and program review.



Army Signal Corp, from Hawai'i War Records Depository, Hamilton Library, Mānoa

Life history project to videotape WWII vets

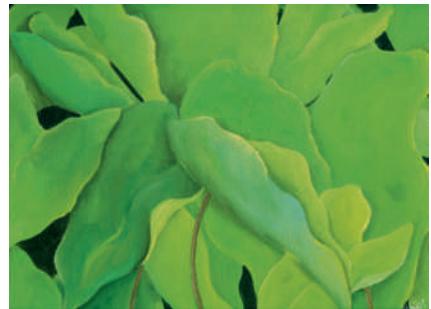
A UH collaboration will both preserve and tell the life stories of Hawai'i-born World War II veterans who are Americans of Japanese ancestry. Targeted for completion in 2007, the project involves videotaped interviews with veterans, particularly about their early years, conducted by Mānoa's Center for Oral History. The library at Kapi'olani will digitize and present the videos and transcripts on a website. Mānoa's Hamilton Library will house them, along with veterans' letters, manuscripts, documents and artifacts as a historical resource for scholars and students. The project will represent members of the Varsity Victory Volunteers and veterans of the 100th Infantry Battalion, 442nd Regimental Combat Team, Military Intelligence Service and 1399th Engineering Construction Battalion. For information, contact Center for Oral History Director Warren Nishimoto, 808 956-6260 or wnishimo@hawaii.edu.



Students create online game to explain reef ecosystem

A new online game challenges keiki to keep a virtual coral reef in balance, free of alien algae and safe from anchor damage. The game was developed by Academy for Creative Media students Melissa Bolosan, James Steele and Solomon Enos with assistance from computer animation instructor Kaveh Kardan and marine experts Celia Smith and Cynthia Hunter. The game is part of the Hawai'i's Living Reef program, www.hawaiireef.net.

School opens arts careers to people with disabilities



Painting by Wendy Kamai Alibos

Mānoa's College of Education and Pacific Business Center are partnering with VSA arts of Hawai'i-Pacific in a \$.5 million federally funded project to help people with disabilities pursue art careers. Using an apprentice model that emphasizes both artistic and practical training, the VSA arts' Hawai'i Artspace school serves as a transitional vocational program for young artists leaving the K-12 school system. Courses range from basic literacy to studios to business plans and marketing. For more information, see www.vsarts.hawaii.edu or contact Susan Miller at the College of Education's Center on Disabilities Studies, 808 455-6002 or millers@hawaii.edu.



Dramatic benefit: Mānoa's performance of the Randai play *Luck and Loss: Manandin's Gamble* did more than entertain and educate patrons about Indonesian folk theatre; it raised money for Asian tsunami relief. Faculty in the Department of Theatre and Dance matched donations from audience members to collect more than \$12,000.

Mānoa is the only university in the country that produces West Sumatran theatre in English. Two dozen student actors spent six months training with experts in traditional music, acting and martial arts dances to prepare for their portrayal of a young man's encounters with gambling, romance, mischief and combat.



Kapi'olani scores are RAD

Not only did all 21 students who graduated from Kapi'olani's Radiologic Technology (RAD) program in December pass their national registry exam, they did so with the highest scores in the nation. The graduates, who assist clinic and hospital radiologists in using x-ray equipment for diagnosis, produced an average score of 91.3 percent. No other state averaged above 90 percent.

Partnership to develop open source financial system

The University of Hawai'i and partner institutions received a \$2.5 million Andrew W. Mellon Foundation award to develop a comprehensive, open source financial management system tailored to the specific needs of higher education. The Kuali (named for the utilitarian kitchen wok) Project was founded by UH, Indiana University, the National Association of College and University Business Officers and the r-smart group. Four other institutions have joined. The first modules, based on Indiana's proven system, are due out in 2006 and will be available without fee under educational community licensing. More at www.kualiproject.org.

Novel settlement helps UH serve senior citizens

UH stands to receive \$1.2 million for programs serving senior citizens under an innovative legal agreement that has received preliminary approval in Hawai'i state court. The suggestion came from Tom Grande and Rick Eichor, UH law alumni with Honolulu firms Davis Levin Livingston Grande and Price Okamoto Himeno and Lum. Interstate Pharmacy Corporation (IPC)-PharMerica will provide the funds as part of the settlement of a class action suit the attorneys filed on behalf of nursing home residents. The suit alleged reissuance of prescription medications, which was illegal at the time. Any of the \$2 million set aside for class members that isn't distributed will also go to UH.



Back in Business: U.S. Rep. Neil Abercrombie, left, joined University Librarian Diane Perushek, Kahu Kordell Kekoa and Mānoa Chancellor Peter Englert to formally reopen remaining sections of Hamilton Library on March 29, five months after a devastating flood swept through campus. With more than 3 million volumes, Hamilton is the leading research library serving the Pacific region. Most collections are now accessible to the public, although the library is not yet fully restored.

UH received \$34 million from the Federal Emergency Management Agency and anticipates another \$25 million from its insurance settlement, but the total is still shy of the estimated \$81 in damage to facilities. It's not too late to join the 2,000 donors from around the world who have contributed nearly \$300,000 to library or general flood relief. Select "Give online" at www.uhf.hawaii.edu.



Deadly Dance: Retired Honolulu police detective Gary Dias, right, directs auditions for *Murder at the Honolulu CC Ballet*, an April Fools crime solving challenge sponsored by the community college's Administration of Justice Club with help from Le Jardin dancers. The third annual event drew 750 sleuths and correct solutions from 21 of the 140 teams. Who bested the campus honor society and the team with Judge Marie Milks for top prize? Staff from the Honolulu CC business office dununit.

Student films get boost from Mountain Apple

Securing a sound track on a student's budget just got a little easier. The Mountain Apple Company licensed 385 songs from its catalog for use in Academy for Creative Media student films. Licensed artists range from the Brothers Cazimero to the Hawaiian Style Band. ACM instructors say the agreement teaches students to respect the rights of artists they want to tap into when creating their own intellectual property. It could also expand the audience for both young filmmakers and Hawai'i musicians.

—Stacy Harada

Psychology, cancer programs honored by peers

Mānoa's Department of Psychology was one of three in North America to receive the American Psychological Association's 2005 Award for Innovative Practices in Graduate Education. UH was recognized for having the only graduate program in the country that incorporates community and cultural psychology in a single program. Students live and work with students from other disciplines in a community capacity-building project, and they learn to use appropriate psychological methods and measurements in non-Western cultures. Information on the graduate program is at www.hawaii.edu/psychology.

The Hawai'i Tumor Registry was recognized by the National Cancer Institute for the outstanding quality of its surveillance, epidemiology and end results data. One of 15 registries in the nation, the Hawai'i program is a part of Mānoa's Cancer Research Center of Hawai'i. It plays an important role in tracking long-term cancer trends in Hawai'i and contributing to national cancer statistics. More about the cancer center at www.crch.org.

Travel school opens Waikīkī office

Mānoa's School of Travel Industry Management is now onsite in O'ahu's major tourist center. The school opened an office in the Sheraton Waikīkī, thanks to the efforts of hotelier Ernest Nishizaki, a 1998 UH Distinguished Alumnus. TIM will use the office as an outlet for training, research and other outreach activities involving the industry and community.



Van expands Maui dental care

The Maui Oral Health Initiative approved by the UH Board of Regents in January takes a three-pronged approach to meeting community career training and healthcare needs. The initiative incorporates Maui Community College's dental assisting certificate program, which was accredited in 2004, with the two-year-old Maui Oral Health Center in Wailuku and a new 40-foot Mobile Care Dental Van. The center and van create clinical training sites for students while providing dental care for low-income and uninsured families. Created in response to a 2001 survey documenting a shortage of dental assistants and hygienists on the island, the initiative is supported by government, community and professional groups.

—Stacy Harada



All wet? Not this umbrella program at Windward

Students moving between classes at Windward Community College will arrive dry if a Phi Theta Kappa project is successful. The student honorary group is collecting funds and umbrellas to implement an innovative free-use umbrella system. Students can grab umbrellas as they exit one building and leave them in containers by the doorway of the next. Call 808 235-7387 for donations or details.

—Stacy Harada

Whale falls and zombie worms present ecological lessons



When whales die and sink, their skeletons become host to specialized animal communities found nowhere else

Mānoa oceanographer Craig Smith found another reason for preserving whale populations throughout the world: the sunken bodies of dead whales, or whale falls, create unique deep-sea ecosystems. “Most of the deep ocean floor is very food-poor,” Smith says. Little of the food sinking from the ocean surface actually reaches the bottom. But when a big piece of seaweed or a large fish dies and sinks, they support specialized communities of animals.

Smith has been interested in large organic falls and their contribution to the deep-sea food web since his graduate student days at Scripps Institution of Oceanography. For several years, he has focused on “the largest organic parcel in the ocean,” the whale.

“When they die, and most of them sink to the sea floor when they die, they’re a huge organic enrichment.” A succession of communities develop. Scavengers come in and feed first. As surrounding sediments become organic-enriched, specialized animals begin to colonize. Finally, the bones release sulphide,

attracting communities of animals similar to those at hydrothermal vents. In all, Smith has found “something like 37 or 38 species that either are extremely abundant on whale falls and found occasionally in other places, or else haven’t been found anywhere but on dead whales.”



Blind, gutless, centimeter-long zombie worms colonize whale falls, using internal bacterial gardens to consume nutrients in the bones

Some of the animals are bizarre, he notes. In 1996, Smith was the first researcher to collect so-called zombie worms, “big, gutless worms that burrow into the whale bones and eat the organic material.” These blind worms use an

internal bacterial garden to consume the proteins and lipids inside whale bones. “We showed them to worm specialists and nobody knew what they were,” he says. About two years ago, researchers at the Monterey Bay Aquarium Research Institute sequenced DNA from larger worms found on a whale fall in deeper water. Monterey scientists found two more worm species and Smith’s team discovered a fifth in shallow waters in Sweden. All the worms were found exclusively at whale fall sites. “This is a very bizarre kind of worm, highly specialized. It looks like it really could only live on whale bones. I think it’s very likely that they have a worldwide distribution.”

If whale populations decline, what happens to the whale fall communities?

“During the times of commercial whaling, whales were much less abundant, and their populations are still depleted in some parts of the ocean,” observes Smith. “Certain species, like the blue whale in the Antarctic and North Pacific, are still heavily depleted.” In the North Atlantic after the mid-1800s, whale falls may have been as few as one-tenth the number before whaling. Conservation biology models predict that if you take away 90 percent of a specialized community’s habitat, you typically cause extinction of 30–50 percent of the species that live in that habitat, he notes.

“It’s quite possible that whaling caused extinctions of some of the specialized animals that lived on whale falls and on dead whale skeletons in particular,” Smith says. “It’s an example of how connected ecosystems are—that if you severely perturb one component of any ecosystem, you may affect other systems in ways you can’t imagine. You need to be very careful in whatever you do and how you exploit species or modify ecosystems.”

by Stacy Harada, External Affairs and University Relations student writer

Herbarium access improved

Information from 42,000 plants in Mānoa's Lyon Arboretum and Department of Botany herbariums and a Bishop Museum collection will be computerized under a National Science Foundation funded project headed by Professor of Botany Will McClatchey. The mounted specimens represent entire floras, including rare and endangered species, from Hawai'i, Samoa, Tonga and the Marshall Islands. The project will make data more accessible to students and researchers.



Vaccine is for the birds

The red 'i'iwi honeycreeper is extremely susceptible to malaria, but the green 'amakihi is more resistant. Hilo biologist Susan Jarvi is conducting genetic studies to figure out why. Avian malaria and avian pox endanger endemic bird populations in Hawai'i. Jarvi is testing a malaria vaccine, using irradiated mosquitoes to introduce an attenuated parasite into birds in hopes of producing an immune response. She hopes to also test a locally developed West Nile vaccine. The mosquito-borne virus can be deadly to birds and humans.

Dark lunar poles could shed light on Earth's formation

Scientists may have traveled to the ends of the earth, but they have yet to explore the poles of the moon. The tilt of the moon is so minor that the poles are in perpetual shade. Craters there could become super-cold traps for the vapors scattered by comets crashing into the surface, Mānoa planetologist Paul Lucey says. Exposed to cosmic rays, the water ice and other cometary materials could be converted into organics, perhaps "waxy, gooey stuff" that isn't recognized by known radar properties. Studying the moon sheds light on how impacts may have influenced the development of life on Earth.



Astronomer gets boost in search of new planets

A small boat traveling through water can produce a wake that is hundreds of feet long and visible even when the boat is beyond sight. A planet formed in the dust and gas surrounding a new star can also create detectable wake-like patterns. Mānoa astronomer Michael Liu uses the Keck telescope on Mauna Kea to look for the telltale patterns in his quest to understand how planets form. He focuses around young stars, those a mere 10 million years old (compared to our 4.6 billion-year-old solar system). Liu's work earned him one of eight Sloan Foundation Research Fellowships awarded to young astrophysicists this year. A 2005 fellowship also went to Kirill Melnikov, a member of Mānoa's High Energy Physics Group and a U.S. Department of Energy Outstanding Junior Investigator.

Low-fat diet is shown to slow diabetic eye disease

Here's another reason to eat a low-fat, high-fiber diet: it just might stave off diabetes-related eye disease. Mānoa Associate Professor of Public Health Science and Epidemiology Claudio Nigg and colleague David Cundiff examined nine years of data from the federal Diabetes Control and Complications Trial. They found that following the American Heart Association's recommended low-fat diet slowed the progression of diabetic retinopathy, which causes 12,000–24,000 people to lose their sight each year. Tobacco use increases rate of retinopathy progression, as does high blood pressure, obesity and hyperlipidemia—factors that also respond to a low-fat, low-cholesterol, high-fiber diet. The study was reported in *Medscape General Medicine*.



Pineapple trick inspires winter-flowering plumeria

When visitors to Hawai'i are often met with a quintessential greeting of aloha, a plumeria lei ... from Thailand? The fragrant lei flowers are imported because few Hawai'i plumeria blossom in the decreasing periods of daylight during fall and winter. Horticulturist Richard Criley of Mānoa's College of Tropical Agriculture and Human Resources has a solution. A chemical used by the pineapple industry to stimulate flowering and uniform ripening is applied to the plumeria tree in September and October. Foliage falls off, leaving the tree unable to respond to shortening days. Warm nights, generally above 65 degrees, spur the plants to regrow, producing flowers of the same size and quality as those normally produced in the spring. —Arlene Abiang



Communicating by Design

Honolulu program gives graphics and advertising students an edge

Competency and career exposure

are the edge students gain in Honolulu Community College's Communication Arts program. The two-year associate of science degree program provides background for working in advertising or graphic design and opportunities to compete for awards, scholarships and recognition from potential employers.

Students begin the program with a foundation semester Associate Professor Sandra Sanpei describes as "very intense in that there is much to learn within a semester." Courses include a survey of graphic styles, art and copy preparation, the power of advertising and beginning graphic design. The second semester advances skills, adding classes in composition, typography and photography.

During the second year, students are challenged to produce portfolio-quality work. "Excellence is expected in every project from every course," Sanpei says. Some courses are taught by industry designers—the most efficient way of teaching concept development and current industry practices. Students wrap up the year in a "final countdown toward exiting with a professional portfolio that meets industry standards" as well as coursework in the business of advertising, she adds.

The program's success is evident in head-to-head competition with students from four-year design programs. For the

past two years, Honolulu Communication Arts students captured first place (Susanne Rehnmark in 2004 and Stacie Taira in 2003) and \$1,500 in scholarships in the American Advertising Federation Pele Awards. In April Honolulu's Todd Saiki won the 2005 student division. Six of this year's finalists were Communication Arts students.



Top: Instructor Michael Horton, right, observes as Andrew Jackson presents his work to fellow Honolulu Community College classmates. **Above:** Horton conducts a portfolio review, essential preparation for life as a designer.

"From the very beginning of the program, students and faculty strive toward excellence in the portfolio endeavor," Sanpei says. "In the field, one's portfolio is the key to getting a job and/or continuing his or her education at a four-year institution." Portfolios consist of at least a dozen class and "live" projects, such as catalogs for the Honolulu campus and its Pacific Center for Advanced Technology

Training and promotional materials for the Communication Arts program.

Portfolios must gain approval of the program's advisory board, so presentation is also important. "For the past four years, I have made the portfolio course a very public event," says Sanpei. "Students are expected to have their portfolios available for review not only by the advisory board, but approximately 200 printing, publishing and design professionals as well."

The portfolio review sometimes results in job offers for the students. It also provides the ultimate assessment of the program and its faculty, she adds. "The results of individual student portfolios year after year, as well as the ability of our program to successfully compete with four-year institutions are strong health indicators of our program's excellence, our committed quality faculty and the effective design and delivery of our program courses." Further proof is the employment record. Honolulu graduates are working at graphic design houses and advertising firms in Honolulu and California, as well as newspapers, trade publications and in-house marketing departments. Others are pursuing master's degrees in fine arts. ☐

Learn more about Communication Arts at <http://tech.honolulu.hawaii.edu/ca/>.

by Karla Brown, an External Affairs and University Relations student writer

Timor-Leste, the world's newest country, has an old problem—how to transform a subsistence farming system into a modern, market-based economy. The 3-year-old Pacific nation also known as East Timor is emerging from nearly four centuries of colonialism, revolution and invasion, and Mānoa's College of Tropical Agriculture and Human Resources is there to help.

The college's Collaborative Research Support Program is drawing on its experience in Latin America, Asia and Africa and a \$2.4 million U.S. Agency for International Development grant. The mission is three-fold: increase production and food security, create jobs and boost household income and introduce best practices to prevent erosion and land degradation.

"We're the dermatologists of the environment," says Goro Uehara, soil scientist and principal investigator for the East Timor project. "We manage soil, the skin of the earth, for agricultural and environmental well being." With the Timor-Leste Ministry of Agriculture, Forestry and Fisheries he trains officials how to diagnose and treat soil deficiencies. CTHAR colleagues bring additional expertise in aquaculture, tropical crops, livestock, integrated pest management and even geology.

Coming from an island state, where transportation expenses limit competitiveness, UH faculty also explain the value of niche markets. Take coffee for example. With U.S. assistance, Timor-Leste sold 70 percent of its certified organic beans to Starbucks. But because they sold on the commodities market, the country received barely a fourth of the income of Kona coffee growers despite supplying four times as many beans.

The country's abundant kiawe trees could support boutique honey. The indigenous black rice found favor with a Waikoloa chef for a crunchy, nutty salad. "Value added" products promote a sustainable economy, Uehara adds. Indonesians eat kukui nuts, but at a low of 30 cents per kilogram selling price, collecting the wild nuts isn't worth the labor involved. Hawai'i firm Oils of Aloha, which extracts kukui oil for niche cosmetic products, is willing to buy the nuts for 50 cents per kilogram.

What the UH team won't do is dictate what plants should be grown, like so many plantation managers from the nation's colonial past. "We have to understand their priorities to bring about change," says Uehara.



UH helps a new country overcome old problems in

East Timor

by Cheryl Ernst



After school, children in Fatulia, top, learn to manage a large plot with little water and become suppliers in the local vegetable supply chain. Photo by Harold McArthur

Mānoa alumni Brigida da Silva, left, and Jesuina Gomes, above, use their UH master's degrees to help Timor-Leste move from subsistence farming to a market economy. The only U.S. university with East Timorese enrolled, UH has created a summer internship program so the students can begin to help their homeland even before they graduate. Photo by J. B. Friday



Harold McArthur contributes an anthropologist's approach—understanding the fabric of the culture, identifying farmers' needs and preferences and involving women's groups and schools. McArthur, in turn, credits the work of project field marshal Andre du Toit. The South African agronomist moved to the Baucau district watershed with wife Carin, who served as project office manager, and their two children. An internationally respected academic who never lost touch with his farm-boy roots, du Toit applied a practical, people-oriented approach. Local farmers identified a problem, such as chromoleana, an aggressive field-usurping weed impervious to cutting or burning and unpalatable to cattle. Du Toit helped them test a possible solution: composting the nitrogen-rich weed in trenches to become green manure for growing tomatoes.

Democratic Republic of Timor-Leste

Geography: 15,007 square kilometers (slightly larger than Connecticut) of mountainous terrain at the southeast end of the Malay Archipelago north of Australia.

Demographics: Population estimated at 830,000 to 1 million, predominantly Catholic with small Muslim, Protestant and animist minorities.

Transactions: Official languages are Tetun and Portuguese; currency is the U.S. dollar.

History: Colonized from the 1600s and divided in 1755 with Portugal claiming the eastern part of Timor. Three centuries of localized revolts followed. Japan invaded in 1942, battling with Australian guerilla fighters. Portugal reasserted political control after the war, but business was dominated by the Chinese. Rebellions continued, giving rise to the Timor Liberation Front and Nobel Peace Prize winner José Ramos-Horta. Indonesia invaded soon after Portugal's 1975 withdrawal. After Indonesian dictator Suharto's 1998 ouster, the East Timorese rejected Indonesian rule in a UN-sponsored referendum. Thousands were killed or displaced in retaliatory violence by Indonesian military forces and East Timor militia groups. The UN set up a transitional administration in 1999, and Timor-Leste was officially recognized as an independent nation on May 20, 2002.

Issues: Land and maritime boundary disagreements with Indonesia and Australia; disputed rights to petroleum resources; high rates of poverty and illiteracy and 50 percent underemployment.

Sources: *East Timor: The World's Newest Country*, a UH Mānoa Center for Southeast Asian Studies curriculum available at www.hawaii.edu/cseas/pubs/timor.pdf and *World Factbook*, www.cia.gov/cia/publications/factbook

In varying ecological zones from ridge top to the sea, du Toit worked with Timorese communities on projects including fish farms, water-efficient vegetable gardens, roadside markets and pig and chicken operations. "Du Toit hit it off with the community from day one," says McArthur. His death in an accidental electrocution early this year was a major setback to the program and the profession. Still, the extensive groundwork he laid in just one year propelled a project that was always intended to outlast its advisers.

"We need more people like Andre. We need to train students to be like him," Uehara reflects. He takes hope in watching the next generation already at work. Mānoa master's degree alumni Jose Ximenes, Rui de Jesus, Brigida da Silva and Jesuina Gomez Nina have returned home to help their nation move ahead. UH students from Timor-Leste serve summer internships on projects in the country. UH faculty on official trips to the National University in Timor volunteer at an agriculture-oriented high school as well.

"Sometimes people wonder why we get involved in such work," says Uehara. The science is applicable elsewhere, of course. But mostly, he says, "it's because we have a great faculty more interested in psychological rewards than in material or financial rewards." ☽



The late Andre du Toit helped farmers, families and villages develop agricultural initiatives from ridge top to the sea. Photo by Richard Ogoshi

Cheryl Ernst is creative services director in External Affairs and University Relations and *Mālamalama* editor

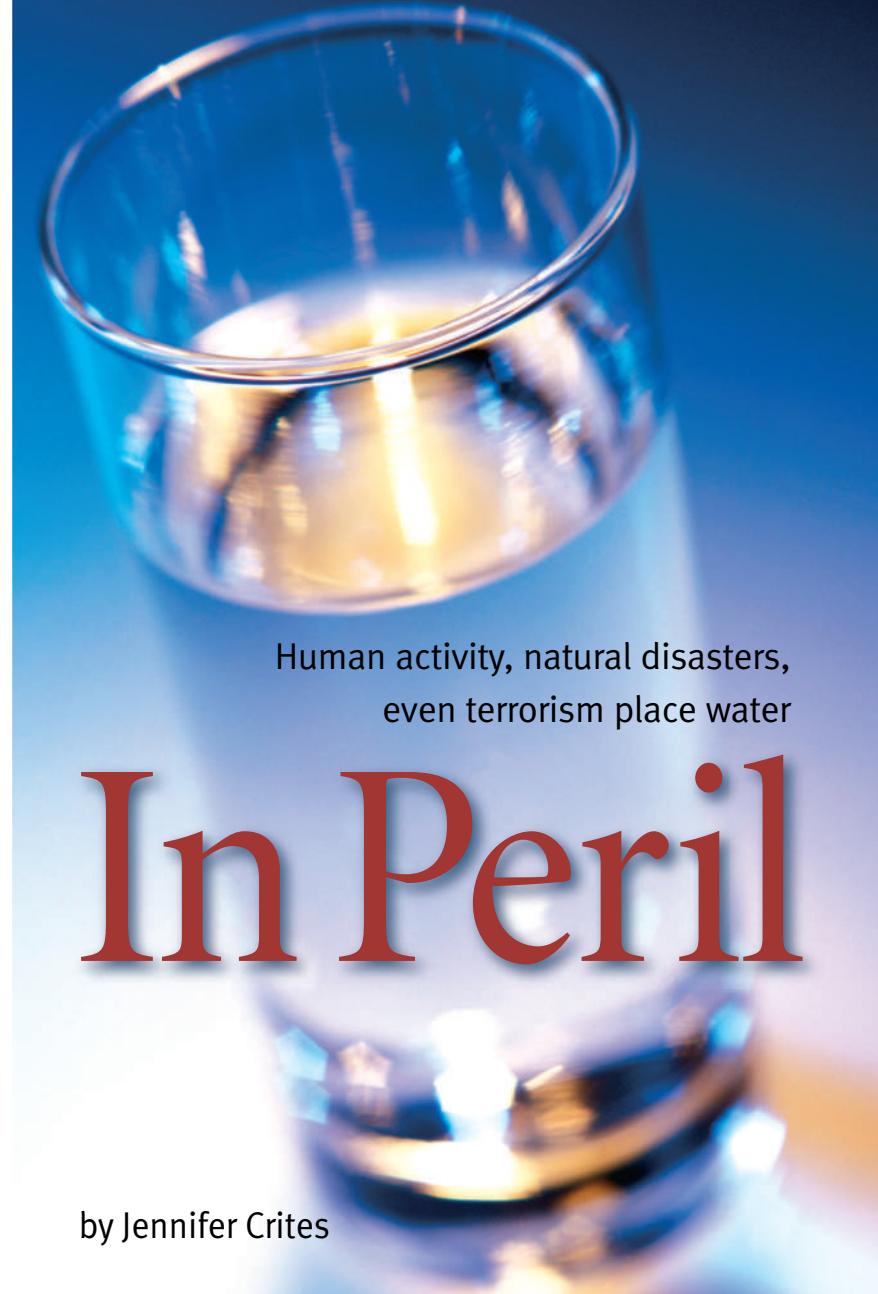
There's something magical about Hawai'i's water. Evaporated from the ocean and mixed with sunshine, it tumbles from the skies creating rainbows, replenishing streams and nourishing the 'aina. Then it vanishes into lava rock—a natural filtration system—reappearing 10–20 years later in underground lakes known as aquifers, cleansed of impurities and ready to drink.

Lately, though, some of that magic has been flushed down the drain. Overuse and droughts shrink the underground lakes. Agricultural pesticides, lead, arsenic and leptosporosis bacteria show up in wells, streams or estuaries. Terrorism brings threats of malevolent contamination.

UH scientists work for safe water locally and globally

Problems with water are not limited to the islands, of course. The tsunami in Asia is one recent reminder that supplying people with clean water is a worldwide concern. UH researchers, most affiliated with the interdisciplinary Water Resources Research Center, are responding by seeking solutions at home and abroad.

"Many cities in India use river water for drinking because groundwater is scarce or undrinkable. Yet mega-cities dump their wastes into these rivers," says Chittaranjan Ray, an associate professor of civil and environmental engineering. Ray received a Fulbright award to study the potential for riverbank filtration in India and Nepal. Water is drawn through sand and alluvial (clay, silt or gravel) deposits beside or beneath a river, removing many of the pathogens and chemicals. Ray also works with scientists



Human activity, natural disasters, even terrorism place water

In Peril

by Jennifer Crites

in Seoul to clean up Korea's Han river, as well as officials in Louisville, Cedar Rapids, Santa Rosa and other U.S. cities that use riverbank collectors.

A 1993 outbreak of Cryptosporidium in Milwaukee killed 20 people and sickened 400,000 when the protozoa, carried in cow feces, washed into rivers feeding Lake Michigan. The public water utility's chlorination procedure proved ineffective. Ray says the U.S. Environmental Protection Agency (EPA) now takes a very aggressive approach in favor of riverbank filtration for any public utility drawing its water from the surface or surface-influenced wells.

In addition to fecal bacteria, substances

turning up in the world's water supplies include antibiotics, pain medication, tranquilizers, caffeine, cholesterol drugs and birth-control hormones. "Drugs we take are only partially metabolized; the rest goes into wastewater," explains Associate Professor of Civil and Environmental Engineering Roger Babcock. Pharmaceuticals aren't removed by conventional wastewater treatment, which eliminates organisms that cause disease. Babcock is helping evaluate the ability of microfiltration systems known as membrane-bioreactors to remove pharmaceuticals and provide high-quality recycled water for non-potable use.

Threats to our water

1

Sewage (homes and businesses)
e.g., human waste and associated pathogens; pharmaceuticals including hormones, pain killers; cleaning products

2

Runoff (streams and storm drains)
e.g., animal waste and associated disease-causing microbes; pesticides and fertilizers; petroleum products; construction chemicals

3

Leaching (public and private land)
e.g., pesticides and fertilizers, oil and gasoline, industrial and construction chemicals

4

Terrorism
toxic chemical or biological agent introduced into the water system

5

Overuse
salt water intrusion into aquifer when too much fresh water is removed

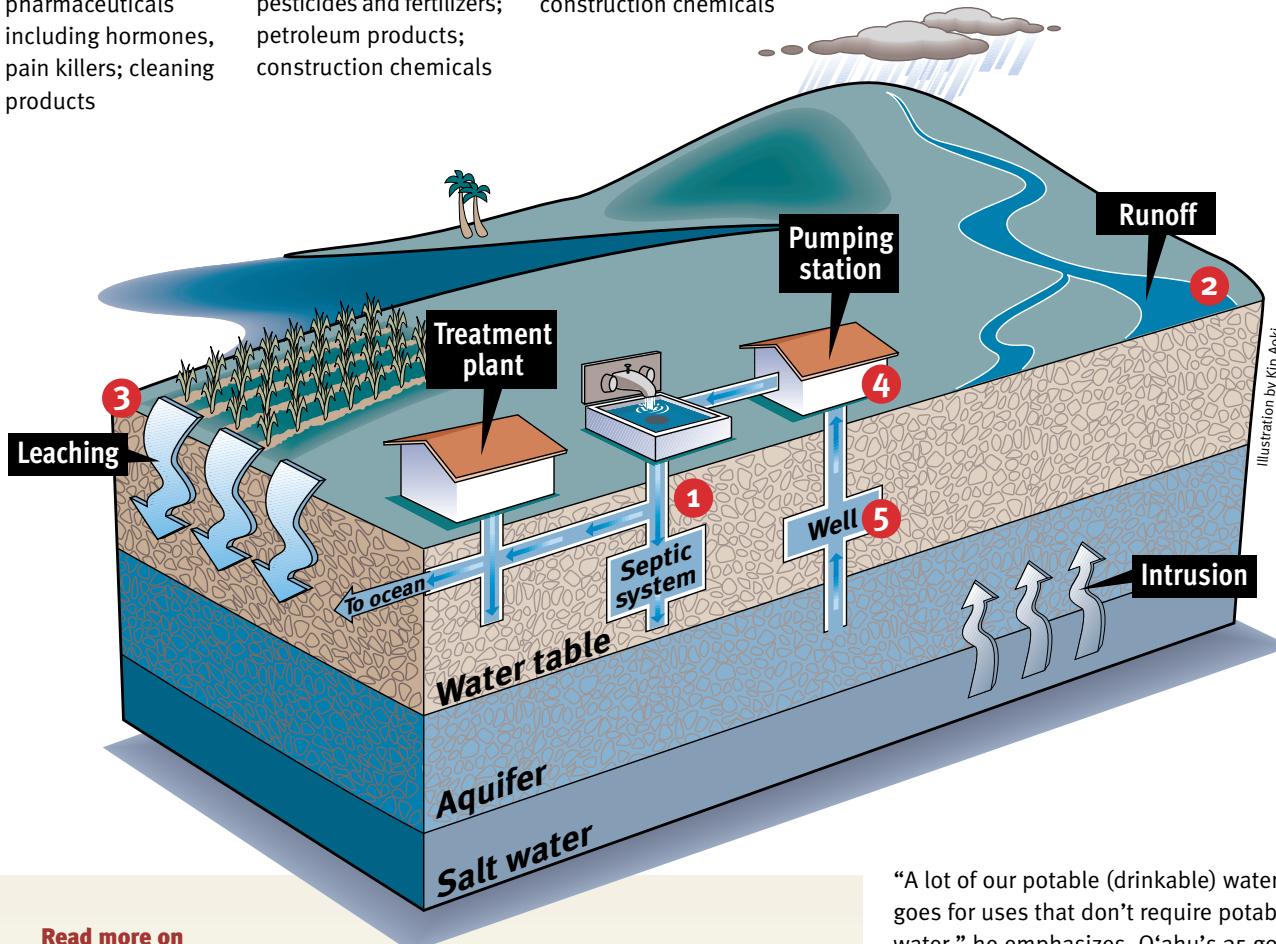


Illustration by Kip Aoki

Read more on

- riverbank filtration www.hawaii.edu/cgi-bin/uhnews?20030728164534
- desalination xtreme.eng.hawaii.edu/research-projects/desalination
- pharmaceuticals in water www.wrrc.hawaii.edu/bulletins.html (Dec. 2003)

More about water research at

- Water Resources Research Center, www.wrrc.hawaii.edu
- Pacific Research Center for Marine Biomedicine, www.prcmb.hawaii.edu
- Board of Water Supply, City and County of Honolulu, www.hbws.org

Free College of Tropical Agriculture and Human Resources publications

- "Guidelines on Rainwater Catchment Systems for Hawai'i," www.ctahr.hawaii.edu/ctahr2001/PIO/FreePubs/FreePubso9.asp#Water
- "Managing Hawai'i's Watersheds: Why Watersheds Are Important and How Hawaiians Kept These Resources Healthy" www2.ctahr.hawaii.edu/oc/freepubs/pdf/RM-1.pdf
- "Water Quality Around Your Home" and related titles in the HAPPI-Home series www.ctahr.hawaii.edu/ctahr2001/PIO/FreePubs/FreePubso4.asp

"A lot of our potable (drinkable) water goes for uses that don't require potable water," he emphasizes. O'ahu's 35 golf courses each guzzle close to one-million gallons a day—enough for 9,000–10,000 people. Wastewater could even be put through reverse osmosis (a process that pushes water through a very fine membrane, trapping unwanted particles on the membrane) to make ultra-pure potable water, he adds.

Fellow engineer Clark Liu is studying reverse osmosis to desalinate water. "We might have major water shortages as population and economic development increases. That's why we have to find other sources," he cautions. Scientists around the world are looking at reverse osmosis as desalination's magic bullet, but it's an expensive procedure that

requires power to produce the necessary water pressure, he says. "Some people are using the wind to generate electrical power. Our system is more efficient and cheaper. We're bypassing the need for electricity and using wind directly to raise the water pressure."

Liu is also evaluating an aquifer's sustainable yield: how much water can be pumped out without negative consequences. Land subsidence occurs when overpumping causes the pressure to drop inside a groundwater source and the surrounding soils collapse. Luckily, it's not a problem for Hawai'i's sturdy basal rock. Intrusion is another story, however. O'ahu's freshwater lens sits on top of a seawater basin. "If you pump too much, seawater moves upward into freshwater—especially in coastal areas where the freshwater lens is thinner—and turns the freshwater brackish and undrinkable," Liu says.

Working with Honolulu's Board of Water Supply and the U.S. Geological Survey, Liu monitors water and salinity levels in the Pearl Harbor aquifer and prepares a mathematical model that will predict how salinity levels change with pumping rates and quantities.

Assistant Professors of Botany Ka'eo Duarte and Lawren Sack are working at the source, studying the effects of non-native versus native forests on the infiltration of water. "How are these plants using water throughout their growing cycle, how does water availability affect forest dynamics and how does the forest community affect soil moisture and infiltration?" Duarte explains. "We want to see if the different communities of plants make a difference in the net recharge of water into the ground, and from there into streams and groundwater."

The team is looking at two test sites in South Kona. The sites are at the same elevation and receive similar rainfall, but one has nonnative eucalyptus and ash, the other, native plants such as koa, 'ōhi'a, hāpu'u, kōlea and pilo. The ultimate goal is an accurate watershed-wide model of the interaction between plant life and hydrology that can contribute to better water resource policy decisions.

Experts agree that O'ahu's groundwater

is free of biological, disease-causing organisms, which die off during their multiyear journey through soil and lava rock. But man-made chemicals don't die, and they can end up in the islands' aquifers. In 1983, agricultural pesticides DBCP and EDB were banned from O'ahu's sugarcane and pineapple fields after they were discovered in some Mililani-area wells. The Board of Water Supply removes known chemicals with activated-charcoal filters before they reach household taps, but there's pressure from golf courses, diversified agriculture and termite-control businesses to import new chemicals, says Ray.

Conventional treatments don't remove all contaminants, including pharmaceuticals and other chemicals

"The Department of Agriculture favors the introduction of newer chemicals but wants to make sure they won't be harmful to our water supply. So we test and make recommendations—which ones leach into the soil after it rains, how readily they

stick to different soil types (if they stick, they don't wash down into aquifers), what secondary products are produced when they degrade and how toxic they are."

With a similar objective, engineer Ray and Associate Professor of Geology and Geophysics Aly El-Kadi locate, categorize and rank the danger of all potentially contaminating hazards near each of the state's 450-plus drinking water sources. "We looked at gas stations, auto repair shops, landfills, parks—any activity that could impact a water source," says Ray. Some chemicals are added for good reason. Honolulu's Board of Water Supply selectively chlorinates some drinking water at a low level to prevent biological contaminants from reaching households. EPA is considering legislation to force states to disinfect most drinking water with 0.2 milligrams per liter of chlorine, a remedy Professor of Public Health Roger Fujioka calls unnecessary on O'ahu. "People will be able to taste the chlorine," Fujioka says. He has served on a number of EPA advisory panels and successfully argued against the excessive chlorine for many years. Environmental water-quality standards are applied

Continued on page 29

Dangerous waters

In a state where water figures prominently in recreation, concerns about biological and chemical contaminants aren't limited to drinking water. Researcher Roger Fujioka hopes to develop an accepted health-safety standard for *Staphylococcus aureus*, a bacteria that causes more infections among swimmers, surfers and paddlers in Hawaii than in any other state (see *Mālamalama*, September 2004). And on the Big Island, UH Hilo Assistant Professor of Chemistry Debra Weeks investigates the movement of arsenic in Hilo Bay's Waialoa estuary.

Arsenic was introduced into the estuary between 1932 and 1962 when the Waiākea Sugar Mill operated in the area. Sugarcane bagasse, or waste, didn't break down easily, so it was treated with an arsenic solution to repel termites and processed into a building material called canec. "The arsenic solution drained into the estuary as waste," says Weeks. Arsenic sticks to particles that sink to the bottom as sediment. "There's a concern about contamination if the bottom gets stirred up or swimmers ingest muddy water," she says.

Subsequent sediment layers could have covered those containing arsenic. Still, a graduate student working on the project won't let her children go barefoot in Waialoa Park. "Until the distribution of arsenic has been fully studied, this level of discretion is reasonable," says Weeks. She plans to look into the arsenic's mobility in the food chain—algae-eating ducks, Hawaiian mud hens and bottom-feeding fish caught by recreational fishermen.

New Facility Anything but Old School

by Anna Powell



The John A. Burns School of Medicine celebrated the opening of its new Medical Education Building in Kaka'ako with an international bioscience conference in January. New facilities—an adjacent research building is expected to open in the fall—combined with a growing and invigorated faculty and new focus on research have made the school stronger than ever as it enters its 30th year of graduating physicians.

Not bad for a program that a decade ago lacked permanent leadership, suffered aging facilities and was in serious trouble with accreditation.

What changed? Greater recognition of the school's importance to the state's healthcare community, for one thing (nearly half the practicing physicians in Hawai'i studied at JABSOM) and realization that the school could

boost the economy and create the foundation for a local biotech industry by attracting talent and research dollars. (Outside research grants and contracts approached \$30 million in 2004, a six fold increase in the five years following the arrival of Edwin Cadman, a quietly driven dean who quickly established the goal of becoming one of the top 50 medical schools for research funding in the nation.)

The Hawaiian focus is more than window dressing

The 2004 BioSciences Conference highlighted some of the life sciences that will dramatically alter the course of medicine over the next few decades, including genomics, proteomics, bio-informatics and new approaches to

addressing infectious diseases. It drew nearly 400 physicians and featured prominent speakers, including Nobel Laureates David Baltimore from Cal Tech and J. Michael Bishop from the University of California, San Francisco. Julie Gerberding, director of the country's Centers for Disease Control and Prevention, discussed the new realities of infectious diseases, characterized by the recent rapid spread of SARS.

Some UH faculty described their work, including areas of particular concern to Hawai'i, such as the affects of "ice" and other drugs, disproportionate infant mortality and labor problems among Hawaiian and Filipino populations and ethnic disparities in heart disease.

The conference concluded with a gala community reception, and guests were invited to explore the new Medical Education Building. In keeping with Kaka'ako's special design district

requirements, the building emphasizes a Hawaiian sense of place. Energy-efficiency and environmental concerns figured prominently in the design. Aesthetically, the buildings blend into the surroundings with colors representative of the natural elements—earth, green plants, water, sand and ocean. A stone strip running along the outside wall uses kapa-inspired engravings that meld the science of the double helices of DNA with symbols from Native Hawaiian folklore. Elevator doors and glass walls at the entrance are etched with four healing plants used by Native Hawaiians—pōpolo (black night-shade), kukui, lehua and ‘awa. Plans call for a Hawaiian Healing Garden on the site to honor ancient traditions and provide a meditative place for visitors.

The Hawaiian focus is more than window dressing. JABSOM is committed to training and research programs that address local needs, including recruitment and retention of Native Hawaiian and other underrepresented populations into the medical education programs.

In another kind of partnership, the school's first floor Café is a joint venture between JABSOM and Kapi‘olani Community College Dining Services. It is open to the public 7 a.m.–4 p.m. weekdays. Next door, the Research Building will feature new and expanded laboratory spaces to accommodate the growing number of researchers and research grants coming to the school.

Officials say this is just the beginning. There are a total of 100 acres in the Kaka‘ako peninsula held for further development, with plans for more research buildings and commercial and residential developments. ☽

Anna Powell (BA ’78, MA ’88 Mānoa) is interim director of public relations for the John A. Burns School of Medicine

Some major faculty grants

Kenneth Ward, \$2.3 million for research on early human development (NIH)

Joachim Spiess, \$2 million for studies related to emotion and cognition (NIH)

Charles Boyd, \$1.9 million to develop cardiovascular research (NIH)

Cecilia Shikuma, \$1.7 million for HIV studies of fat wasting and neuro-cognitive activity (NIH)

Linda Chang, \$1.6 million to study impacts of various factors on brain function (NIH)

Marjorie Mau, \$1.6 million to investigate diabetes and heart failure (NIH)

Kelley Withy, \$1.5 million for career recruitment and mentoring in the Pacific (PHS)

Gregory Mark, \$1 million to determine risk factors associated with youth violence (CDC)

Marla Berry, \$954,000 to study selenoprotein regulation, expression and synthesis (NIH)

Naleen Andrade, \$598,000 for Pacific people’s mental health Research (NIH)

Benjamin Young, \$559,000 to increase the number of Native Hawaiians health practitioners (PHS)

Rosanne Harrigan, \$537,000 to establish PhD training in clinical research (NIH)

Neal Palafox, \$506,000 for Pacific Islands cancer control programs (CDC)

Irwin Schatz, \$483,000 for instructional clinics (VA)

Federal funding sources: Centers for Disease Control (CDC), National Institutes of Health (NIH), Public Health Service (PHS), Veterans Affairs (VA)

Data: UH Office of Research Services reports, see www.hawaii.edu/ors/reports.html



Alum comes home to medical school

Shortly after opening the John A. Burns School of Medicine's new education building, Dean Edwin Cadman took health leave. Vice Dean T. Samuel Shomaker, above, is acting dean. The former University of Utah Medical School professor and chief of staff is also an attorney. Ethic diversity, varied clinical experiences and excellent hospitals made UH a great place to study medicine, the '86 alum says. "The most important thing we can do is to make discoveries that will improve the health of people in Hawai‘i" he adds. More at www.hawaii.edu/malamalama.

JABSOM Facts

- * Founded 1962, four-year program since 1974
- * 1,600 alumni
- * Pioneer in clinically intensive, problem-based instruction
- * More than \$6 million in institutional grants last year
- * 3 in 5 Hawai‘i physicians trained in UH MD or residency programs

Popular medium draws students to art program



by Tracy Matsushima

A GLASS ACT

Vibrant colors, clear cool surfaces and interesting shapes draw you in. It's art you want to pick up, get closer to and examine from all sides ... and it attracts 40 to 50 students a semester to the glass program at Mānoa. What's the big draw? Professor Rick Mills believes there are three reasons—the material is intriguing and visually compelling, the process of creating with glass is challenging, and students build a strong sense of community and camaraderie in the program.

Claude Horan, who headed Mānoa's ceramics department in the late 1960s, launched the glass program and built the university's first glass furnace next to his ceramics studio. The program advanced after Mills was hired in 1989. He's well known in the

glass community. BFA candidate Kate Manganaro came from the University of Illinois to study under Mills. "I knew people Rick taught. They told me that it was a great program and that he expects a lot from his students. He is also warm and encouraging."

Because he is the program's only instructor, Mills offers students additional perspectives through events co-sponsored with the Hawai'i Craftsmen Organization and a visiting artist program. Starting with a \$2,000 grant from the State Foundation of Culture and the Arts in 1989, the self-sustaining visitors program has hosted more than 40 prominent glass artists. They present lectures and workshops and create pieces alongside students. Many also donate the artwork they create during their residencies, with 100 percent of any sales returning to the program.

As a result, students have crafted

beside such notable artists as Dale Chihuly, William Morris, Dante Marioni and Ginny Ruffner from Seattle, Bertil Vallien from Sweden and Irene Frolic from Canada. "You get a chance to pick their brains," says Geoff Lee ('03 MFA). He says students may think they are doing well, then someone from outside comes along and "you realize, 'Hey, there's a different way to do this.'"

Manganaro appreciates the morale boost. "You get to see someone who is successful in their work, and they give you ideas about your own work. It's like a breath of fresh air."

The program teaches two types of glass processes, hot and cold. Students learn to blow, cast or fuse molten glass or fabricate, sandblast, cut or engrave cold glass. Many gravitate to blown glass. "There is something inherently beautiful about glass," says

Manganaro. "I enjoy even just watching people blow glass, watching their movements and flow. It is like a dance." (Demonstrating for the cover photo, she shaped her piece as fellow student Greg Price moves back and forth with the rolling rod, ready to blow with more or less force on her signal.)

Lots of young boys are fascinated with fire, observes Lee. Working with glass is a way to harness the fascination to a creative process. "Many people are excited about the finished piece, but I've always been more interested in the process of making the piece." Lee carries creation a step further, using surface treatments such as gold leafing, sand blasting and painting on his blown pieces.

The medium is physically demanding and the material is challenging to work with. Once you begin a blown glass piece, it can't be put down; it has to be finished, says Mills. "You are heating glass to 2,300 degrees. You can't let it cool too much or you risk cracking your piece. The molten glass is the consistency of honey. You have to rotate it constantly to hold its shape."

Blowing glass solo has many limitations, so teamwork and trust are key. "Students give as much assistance as they receive, helping each other during their studio time each week, often up to eight hours," says Mills. No other medium in the art department demands such an ongoing partnership. A strong sense of responsibility develops. "There is no difference in how I approach doing my own piece or assisting on a piece. I do the best job



UH glass art and artists: alumnus Geoff Lee in the Kailua studio where he will meld hot and cold techniques (facing page); Professor of Art Rick Mills, chair of Mānoa's glass program (above); *Chronosynthesis*, a steel, glass and light sculpture created by alumnus Bud Spindt and installed in front of Windward Community College's 'Iolani Gallery (below); Orange Bowls, blown glass by student Kate Manganaro (next page).

possible," says Lee.

Manganaro adds, "When you work with a partner you develop an unspoken language. You are in the moment, but you are also trying to visualize what they want to do five moves down. You also realize how important it is to build friendships and apprentice with people. The best way to learn is to assist people who have been there longer."

Working with glass can become addictive—a positive addiction, but an addiction none-the-less, she says. Manganaro spends about 12 hours a week blowing glass and another 24 hours in the studio. She feels the medium attracts

extremely passionate, obsessive and expressive people.

Mills also stresses technical aspects behind the art. The university's studio is the largest glass melting facility in the state—using approximately 20,000 pounds of glass a year—and students design and construct almost everything, including glass furnaces, annealing ovens, benches, tables and auxiliary equipment. A new furnace must be built from the ground up approximately every three years. "Students come away with practical knowledge and problem solving skills that make them valuable resources in other studios or in starting their own studio," says Mills.

Students who want to remain in Hawai'i face challenges in continuing their art.

The state doesn't have many open studios, and the alternative is costly. "I reached a point where the choice was simple. To create the work I want, I needed to build my own studio," says Lee. He hopes to open Island Glassworks in Kailua (www.islandglassworks.com) in

May. The studio will



give him a chance to sell Hawai'i-created products, teach classes and offer studio rental space.

In addition to Steven Correia, an alum of the early program (see story below), many noted artists have emerged from the Mānoa program since Mills became chair. Among the master's of fine arts recipients are

Bernice Akamine, K. C. Grennan, Paul Larned and Bud Spindt. Notable BFA graduates include Sheila Blackard Academia, Scott Fitzel, Kip Howe, David Naito and K. C. Smith.

"Students' perseverance and growth as they meet the challenges of becoming practicing artists are inspiring," says Mills. ☀

Tracy Matsushima (BA '90 Mānoa) is an External Affairs and University Relations publications specialist



Glass man Steven Correia

When Steven Correia's parents gave him a high school graduation trip to Hawai'i, little did they know it would lead to an exceptionally successful art studio, works in major museums and private collections and a California junior high school named in his honor.



Correia returned to Hawai'i the next summer and took a UH ceramics class from lecturer Suzi Pleyte Horan. After observing the glass program her husband Claude Horan was developing, Correia promptly transferred to Mānoa. "Hawai'i is a great place to create," he says. He was drawn to glass because of the way it reflects and transmits light. "When you work with glass you get immediate satisfaction. I enjoy gathering the molten glass and forming it," he says.

Correia received his BFA ('72) and MFA ('79) from Mānoa and an MA ('77) from the University of California at Los Angeles. He planned to teach, but his sister Patricia Correia's success in selling his artwork started him on another path. In 1973 he founded

Correia Art Glass in Santa Monica, Calif. Now run by other siblings, it is one of the largest glass studios in the country still using freehand blowing.

Correia's work resides in collections at the White House, Metropolitan Museum of Art and Corning Museum. With a growing national reputation, he looked for a new challenge. In 1988 he started Correia Crystal, switching from working with blown glass in a hot state to creating with optical crystal in a cool state. Fascinated with the material's purity, he strived to create pieces that are more minimalist and sculptural in nature.

"I like the clarity of optical crystal. This type of glass doesn't have

bubbles." It reflects 99 percent of the light striking its surface, making it almost as clear as air itself. Correia's pieces bend light in ways handmade glass can't, allowing a spectrum of colors to emerge. His crystal sculptures have been commissioned by Fortune 500 corporations. Tiger Woods owns six original sculptures commissioned by the Professional Golfing Association.

In 1986 Correia installed his kinetic laser light sculpture "Southern Lights" on an 11-story building in La Jolla, Calif. It projected green laser beams that, on a clear night, could be seen up to 20 miles away. "It created a lot of interest—including speculation that it was a secret CIA project or device to contact aliens from outer space," the artist jokes. "Working on this type of light sculpture is like climbing into a perfume bottle and using light to create art from the inside out."

He also has collaborated on performance art that incorporates crystal, dancers, music and light.

What does this glass veteran tell young artists? "Take some business and marketing classes. The Internet age affords more avenues for marketing yourself and your art," he says. The more you know about it, the better your chances to keep on creating.



Photo by Nan Holmes



Group Think

Conference welcomes philosophers from all walks of life

by Jeela Ongley

If the East-West Philosophers' Conference is, as many suggest, the Olympics of comparative philosophy, then Honolulu is Athens—birthplace and, in this case, permanent home to the periodic gathering of the best talent from all over the world.

From May 29 to June 10, over 200 philosophers from more than 30 countries will gather again at the East-West Center on the UH Mānoa campus. They will consider an issue of vital importance to humanity: education. And you are invited (seriously) because passionate and generous sponsors have ensured that the sessions continue to be free and open to the public.

Why care about philosophy?

The Complete Idiot's Guide to Philosophy states that "Philosophy is unavoidable. Even if you think you don't already have a philosophy, you actually do." Can it be so simple?

"Philosophy is about values, our ways of living and thinking," confirms conference director and Mānoa Professor Roger Ames, an expert on Chinese, American and comparative philosophies. "Philosophy teaches people how to think clearly about issues, how to think in a compelling way."

"Whether you go into law or drive a taxi cab, if you study philosophy you will be a better person for it," he says with conviction. "You do what you can do in life, but with philosophy you do it better."

The East-West Philosophers' Conference has historically addressed pressing problems of the day—everybody's problems, not just the contemplations of professional philosophers. "That's where this university is different from others,"

explains Ames. "At this conference we'll take on issues like human rights, democratization, prejudice and discrimination—these are philosophical problems that have to do with education and a lack of it."

You are what you think

From the beginning, Mānoa's philosophy department has been both eastern- and western-oriented in interest and expertise. It galvanized understanding of UH as an institution that serves a multiethnic, multicultural community. Department Chair Wing-tsit Chan along with Assistant Professor Charles Moore and Oriental Institute Director Gregg Sinclair were instrumental in launching both the department and, soon after, the 1939 East-West Philosophers' Conference. According to Ames, this was a major factor in Congress's decision to establish the East-West Center think tank at Mānoa.

"The difference today is that west still means west, but east has expanded to mean everything not-west," says Ames. No longer a dialogue between just Asian and European schools of thought, the 2005 conference includes idea-people from around the globe, including Africa, the Middle East and the Pacific Islands. Increasingly, Hawaiian worldviews are integrated into the conference too, creating the tantalizing feeling of coming around in a spiraling progression.

Perhaps local people will throng to the conference by the thousands, like they once did, overflowing Andrews

**Whether you go
into law or drive a
taxi, studying phi-
losophy will make
you a better person**



East-West Conference, University of Hawai'i, 1949

Attend June conference workshops free

Check www.hawaii.edu/phil/conf for times and locations of dozens of discussions like these—

Religion and Education * Thursday, June 2

The challenge of educating Americans about Islam.

Education and Negotiations of Power * Monday, June 6

Disconnects between the people and the powerful create desperation. Education may be the cure.



Philosophy for Children * Tuesday, June 7

Children who study philosophy score higher in all subjects. How to conduct philosophical inquiry in classrooms.



Illustration by Kelly Hironaka

Recovering the Sky: Astronomy as Inspiration for the World's Cultures * Wednesday, June 8

What do we miss when light pollution from a modern world obscures the sky?

Music and Moral Education * Thursday, June 9

Music promotes accommodation across cultures. (Follows a night of Hawaiian music with Jon Osorio and Erin Sala on June 8.)

Education and the Emotions * Friday, June 10

EQ (emotional quotient), more than IQ, predicts stability and health. How to educate the whole person.

Tibetan Spiritual Education Today * Friday, June 10

Preserving Buddhist traditions while preparing students for an uncertain future in Tibet.

Amphitheatre to hear the likes of leading Zen lecturer D. T. Suzuki, who is credited for introducing Buddha to the west. Other notable past participants include Sarvepalli Radhakrishnan, a philosopher-statesman who became president of India during the 1960s, and Hu Shi, a 1920s reformer in China's vernacular movement that made education accessible to ordinary people.

Good company

The East-West Philosophers' Conference has been convened nine times, gradually increasing in size and scope but always enjoying strong support from people Ames calls "the enlightened local business community." During his lifetime, Hung Wo Ching of Aloha Investments solicited contributions from fellow businesspeople. At his passing, his family continued active support. Others, like Warren Luke, not only donate but take an active role in the ongoing conversation conference organizers have with the community. (A full list of sponsors is available at www.hawaii.edu/malamalama.)

In turn, the conference remains focused on the community. The issues are relevant, and access is free and easy. This year's theme is education, specifically, "Educations and their Purposes: A Philosophical Dialogue Among Cultures."

So what happens when you rub shoulders alongside wise guys from all over the world?

"Some of these sessions will be intimidating if you don't have an interest," admits Ames. He suggests looking for topics on which you wish to be better informed—education as it relates to music, Islam, Tibet, politics, the environment, indigenous cultures, technology, religion, social injustice and so on. A presentation or moderated panel discussion is typically followed by a question and answer discussion "oriented toward an intelligent audience but not just specialists," says Ames. "Our guests are friendly philosophers. These people are not self-important—they are concerned about issues that matter to more than just a bunch of egghead academics."

Education at the forefront

His own enthusiasm emanates in statements like, "All positive change in the world goes back to education... We have to educate ourselves past our inadequacies... Education is a conversation." He is forthright about confronting all sides of the issue, including the very serious, very relevant notion of education versus indoctrination and colonization.

"This year's conference acknowledges American education as an invasive species in Hawai'i that disadvantaged the Native people," he says. The UH administration has renewed commitment to respect and celebrate Hawaiian culture, and Hawaiian and Maori scholars are prominent among participants engaged in a global conversation on where we are going, and why.

You, too can be part of the discussion. ☺

Jeela Ongley (BA '97 Mānoa) is web content coordinator in External Affairs and University Relations



Guide carves a message through indigenous sculptures from salvaged wood

Four years ago, self-styled “global tribesman” Tonus Shane Eagleton laid down roots, establishing a woodcarving workshop on the mauka side of Windward Community College. From ‘Iolani, the workshop spills into the backyard, where logs and trees, once headed for landfills, are prepped for milling. Nearby, two large canoes, one made of koa, the other of monkeypod, await finishing.

The whirring of sanders and pounding of mallets permeate the building. An ‘ohana of students turn discarded wood into artful and functional objects—intricate woodblock carvings, bowls, benches, pahu drums and furniture. The students range in age (from 16 to 82) and skill, but their shared passion for wood brings them here Monday and Wednesday evenings.

Cori Wilbanks is making her first major piece, a bench made of monkeypod with a lotus flower carved at one end. Dowels will secure the sculpted legs to the irregular slab of wood. “I love the fact that we use recycled wood,” she says. She also likes the group’s camaraderie. “Everyone helps each other.” First-time students begin carving immediately with a chisel and mallet. As they gain confidence, they progress to more advanced tools, letting their creativity flow.

Covered in sawdust and working under bright lights, Jim Bassett of Kahalu‘u carves a whale from a large slab of opuma wood. “If you flip it over, you’ll see two dolphins,” he says, demonstrating proudly.

“A tree has a life force that shaped it and

made all those interesting patterns you can visualize as sculptures, furniture, musical instruments,” says Eagleton, who often speaks of nature in animistic terms. “I’m just a guide who teaches people how to see the images in the wood and release the mana (spiritual energy) through their carvings.”

A New Zealander of Polynesian and English descent, Eagleton first tapped into the mana as a young boy. He whittled sticks with a small knife given to him by his Fijian mother. “I felt the energy of trees in discarded wood,” he says. Eager to see the world, he left home at 16 and traveled through Europe, the Middle East and North Africa, eventually settling in the San Francisco Bay area. There, for nearly two decades, he worked with the Ohlone Indians and Culture Conservancy, a non-profit group dedicated to preserving indigenous cultures. His environmental art can be seen worldwide, including the Czech Republic, where his healing poles depict endangered species carved from trees destroyed by acid rain.

The opportunity to teach at Windward allowed Eagleton to reconnect to his Polynesian heritage. In 2002 he started offering non-credit classes in woodcarving through the community college’s continuing education program. Last year, through an Alu Like grant, he taught at-risk youths and purchased a mill. The program was officially named Na Kukui Ho’oulu o Na’auao (Program for Knowledge and Enlightenment through Trees) by Hawaiian kapuna “Auntie” Malia Craver.

Eagleton hopes to partner with community groups, expand the project and train teachers. UH Manoa’s Pacific Business Center Program and its Program for Organizational Incubation are providing technical and managerial support and securing grants to develop workshops in other Pacific islands.

“The goal is to get the program on a stable financial grounding, and to do it in a way that preserves the spiritual concept,” says center Director Failautusi (Tusi) Avegalio. “It fits with the kinds of things we do”—promoting cultural,

Releasing the mana in the wood, Tonus Shane Eagleton begins to unveil an octopus



Wood Talker

by Janine Tully



Cori Wilbanks, sculpting a monkeypod bench, appreciates camaraderie with fellow students like Fa'auga To'oto'o, background

educational and professional growth and creating livelihood opportunities that incorporate responsibility, respect, renewal, confidence and sustainability.

In recent years, Eagleton has incorporated Hawaiian values into his program. "I've always been on a spiritual journey," he says. He is dedicated to working with Hawaiians and the greater Pacific family to honor and perpetuate cultural traditions and values through woodworking. "I'm no expert in Hawaiian cul-

ture or the Polynesian race, but I'm connected with people who are," he says. Advisors include Dennis Kauahi of Queen Lili'uokalani Children's Center and Craver for Hawaiian traditions, educator Emile Wolfgram for the protocols of Polynesia-at-large and master carver Tuione Pulotu, recently named a Hawaiian Living Treasure, for canoe-building and traditional designs.

"Every island has wood that's being thrown away. A program like this could provide the skills for people to become economically self-sufficient or supplement their incomes," says Eagleton. "Ultimately, my goal is to show many how to create a self-sustaining wood carving program."

You might say he's recycling lives along with trees.

—Janine Tully (BA '87 Mānoa) is a Hawai'i freelance writer

For information about upcoming classes, call 808 235-7351 or 956-2495.

For assistance in turning traditional arts into livelihoods, contact Dorothy Chen at the Pacific Business Center POI program, 808 956-2495

Online: Na Kukui Ho'oulu o Na'auao, www.hawaii.edu/pbcp/woodsculptor, or Pacific Business Center Program, www.hawaii.edu/pbcp.

Ease into Summer

with recent books from
the UH alumni 'ohana

JOHN R. K. CLARK
AS, 1975; BA, 1976

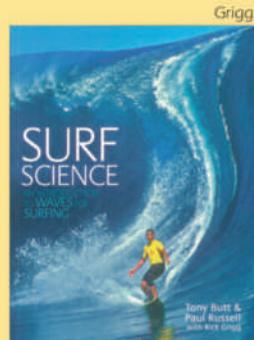
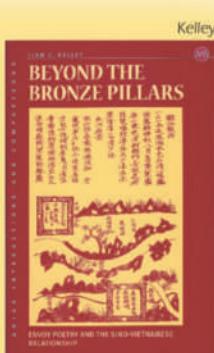
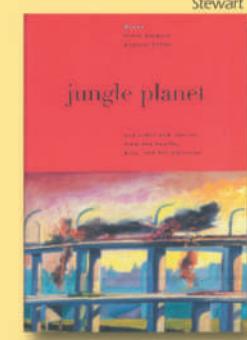
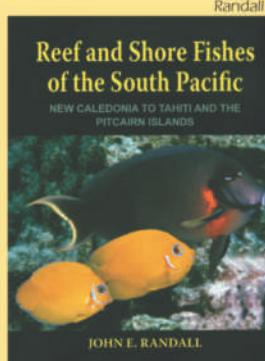
RICHARD W. GRIGG
MS, 1964; professor, Department
of Oceanography

LIAM C. KELLEY
MA, 1996; PhD, 2001; assistant
professor, Department of History

GARY PAK
MA, 1990; PhD, 1997; Director of
Creative Writing, associate professor,
Department of English

JOHN E. RANDALL
PhD, 1955; Distinguished Alumnus
Award, 1989

FRANK STEWART
BA, 1968; MA, 1972; professor,
Department of English



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A Professor's Guidance

Lessons from his mentor help a UH alum aid cancer patients



Joffre Baker, above, was an undergraduate biology student when he first met researcher Tom Humphreys. They impressed each other then, and they continue to admire each other today. Baker is co-founder and chief scientific officer at Genomic Health, a San Francisco firm that has made remarkable advances in cancer diagnosis and treatment tools. Humphreys is a professor of cell and molecular biology and researcher in Mānoa's Pacific Biosciences Research Center.

"Tom gave me the opportunity to do an independent research/study project in his lab" at the University of California, San Diego, Baker reminisces. He had papers published in two prominent journals, *Science* and *Proceedings of the National Academy of Sciences*, while still an undergraduate. "I found that much more interesting than 'book learning' and decided to pursue a career in laboratory research."

When Humphreys relocated to UH Mānoa, he offered a graduate assistant position in his lab to the student who had always stood out. "Joffre loved to think, ruminate, talk about and discuss conceptual and intellectual scientific issues more than any of my other students," he says. Baker worked almost daily with Humphreys for six years, earning his PhD in 1977.

"The training I received in Tom's lab prepared me well for a career as an independent scientist. He takes a deeper

and more analytical approach to data analysis than most of the other scientists I have interacted with throughout my career," Baker says. "I would like to think that some of that trait has rubbed off on me."

He spent the next 12 years at Genentech in California, where he became director of cardiovascular research, oversaw a number of research programs and designed the company's functional genomics program for cardiovascular, oncology, immunology, endocrinology and pathology research. In 2000, he co-founded Genomic Health, overseeing science and technology while colleagues Randy Scott serves as CEO and Patrick Terry manages consumer advocacy and government affairs. The company focuses on cancer, harnessing powerful new technologies that monitor the activities of hundreds of genes.

"The company needs to be sophisticated about both the molecular biology of cancer and about the exploiting capabilities of the best genomic technology platforms," Baker says. It received public attention for the February 2004 release of a test called Oncotype DX, which showed promise in clinical trials. The 21-gene test indicates the risk that primary breast cancer will become metastatic, or spread to other areas. "The reason the test is important is that it helps inform the patient's decision about whether chemotherapy is right for them," he explains. Most breast cancer patients with estrogen receptor positive, lymph node negative breast cancer will not develop metastatic disease. Chemotherapy benefits about 4 women out of every 100 treated.

Because it has a number of toxic side effects, it would be preferable to treat only those patients who are at high risk of recurrence. "Oncotype DX identifies these patients."

Baker and his colleagues are now pursuing tests that predict drug response for patients with other forms of cancer. Humphreys couldn't be more pleased. "Whatever impact Joff's experience at UH may have had on his success, I am proud of his accomplishments. He was smart, thoughtful and energetic, and that is what has carried him so far." ☽

**The training I
received in Tom's
lab prepared me
well for a career
as an independent
scientist**

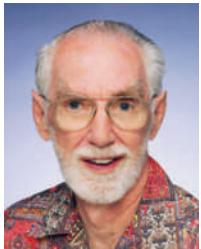
by Arlene Abiang (BA '01 Mānoa), an External Affairs and University Relations public information officer

2005 Distinguished Alumni Awards

The UH Alumni Association celebrated these alumni honorees May 10 at the Sheraton Waikīkī.



Charles Araki



Elmer Botsai



Frederick Duennebier



Robert Hiam



Carole Kai Onouye



Jong-Wook Lee



Gary A. Okamoto



Ronald E. Bright

These platinum partners
salute the 2005 awardees



and its family companies
ASB and HEICO



Distinguished Alumni Award

Charles Araki (BEd '57, PD '61) has served UH for more than 50 years as student-athlete, professor, dean and professor emeritus. Under his leadership, Mānoa's College of Education strengthened its commitment to training teachers and obtained national accreditation. He helped establish conflict resolution programs for UH and Hawai'i public schools and is a UH Founders Club member and athletic booster.

Elmer Botsai (ArchD '60) has co-authored six books on building technology and consulted with government and community organizations including the City and County of Honolulu and California Building Standards Commission. Professor emeritus and inaugural dean of Mānoa's School of Architecture, he is an American Institute of Architects fellow, past president and Medal of Honor recipient and an honorary fellow in the Australian, Canadian and New Zealand institutes.

Frederick Duennebier (MS '68, PhD '72) has been a Mānoa geology and geophysics faculty member for nearly 30 years, securing more than \$10 million in research grants for graduate education and seafloor observatories. His push for good coupling between seafloor seismometers and the ocean bottom improved the quality of data collected. He served on Apollo and Viking seismic teams, NASA's Mars Science Working Group and the National Science Foundation Steering Committee for Seafloor Cables.

Robert Hiam (BA '69) is president and CEO of Hawai'i Medical Service Association. He has served as a UH Alumni Association board member and UH Foundation trustee and played a leadership role in numerous community organizations, including Aloha United Way, Blood Bank of Hawai'i and Children's Discovery Center. He is also board chair for Pacific Health Research Institute, a board member of Tissue Genesis, Inc., and a member of the Hawai'i Business Roundtable.

Carole Kai Onouye (BA '66) is an entertainer and executive producer of *Hawai'i Stars Presents*. She is founder and co-producer of the Carole Kai Bed Race and co-founder of the Great Aloha Run, which has raised more than \$6.2 million for Hawai'i charities. She has also served on the boards of Carole Kai Charities, the Variety School, Girl Scouts Council, Coalition for a Drug Free Hawai'i and Aloha Week Festivals.

Jong-Wook Lee (MPH '81) is director-general of the World Health Organization. He is credited with polio eradication efforts that reduced the number of cases in the western Pacific region from 6,000 to 700. He also headed WHO's tuberculosis control activities and the Global Programme for Vaccines and Immunization. His goal is to get life-saving medicine to 3 million people suffering from AIDS in developing countries. (See profile, *Mālamalama* July 2003)

Gary A. Okamoto (BA '66) is president and CEO of The Queen's Health Systems, an associate clinical professor in Mānoa's John A. Burns School of Medicine and past editorial board member of the American Journal of Physical Medicine and Rehabilitation. He supported establishment of the Department of Native Hawaiian Health to promote quality research and education programs and served on a Kamehameha Schools advisory board.

UH Founders Alumni Association Lifetime Achievement Award

Ronald E. Bright (BEd '56, PD '57, MEd '73) completed 46 years as artistic director of the Castle High School performing arts center that now bears his name. Other honors include Hawai'i State Teacher of the Year, Father of the Year, Guardsman of the Year and Hawai'i's Living Treasure. He was named a Milken Educator of the Year and inducted into the National Educational Theatre Association Hall of Fame.



Reconnect with UH alumni— Scholar-athlete Ka'aiali'i did

Current position: Mānoa Branch Manager, First Hawaiian Bank and president of the College of Business Administration Association of Alumni and Friends

UH degree: BA in communication '92, MBA '97

Family: Wife Barbara and daughter Kalei

Hobbies: Time with family, weight lifting, classic cars

Guilty pleasure: Food

Recent Achievement: Losing 10 pounds by getting back to the gym

As an undergraduate at Mānoa, Mitch Ka'aiali'i learned the importance of good communication in the classroom and the value of teamwork on the football field. The Letterwinners Club member then honed his business skills in the College of Business Administration. Now he's using all he learned at UH both on the job and as an alumni leader.

"The work I do with CBA Alumni and Friends and the UH Alumni Association is a chance to give back to UH," Ka'aiali'i says. "As a scholarship athlete, lots of people were really generous to me with their time and advice. Now I have a chance to get involved with UH and the community."

With an impressive new dean at the helm of the business school and an energetic team in place in the UH Foundation's Office of Alumni Relations, it's an exciting time to be involved, Ka'aiali'i says. See for yourself; join UHAA today.

Make the connection

Name (last, first, middle/prior last name)

M / F Circle

Mailing address

City

State

Zip

Country

Telephone (home, work, fax)

Email

Birthdate

UH Campus(es) attended*

UH degree(s)

Graduation year(s)

Name of spouse/significant other

M / F Circle

UH Campus(es) attended*

UH degree(s)

Graduation year(s)

Designate one alumni chapter from list on reverse side

New member Renewal

ANNUAL MEMBERSHIP (check one)

\$50 Single \$60 Joint

\$25 Recent Graduate (within 5 years of graduation)

\$25 UH Faculty/Staff

LIFE MEMBERSHIP (check one)

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\$175 (1955 graduate or prior/age 70 and over)

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Honolulu, HI 96822-2270

Fax: 808 956-6380

Phone: 808 956-ALUM (2586) **Toll free** 1-877-UH-ALUMS

E-mail: alumnews@hawaii.edu

The screenshot shows the homepage of the University of Hawaii Alumni Association. At the top, there's a banner with the university's crest and the text "E KOMO MAI". Below the banner, a main headline reads: "Today, more than 250,000 alumni of the University of Hawaii's System reside across 50 states and in more than 10 countries around the world. Our goal is to connect you with each other...to the mission of our university...and to encourage you to make a difference with UH. Regardless of where you live now, or how many years have passed since you graduated, your alma mater, UHAA honors its 'Ohana,' or 'Family', 'you, our valued alumnus, and to furthering the strategic goals of the University of Hawaii'." To the right of the headline is a sidebar with links for "IN FOCUS", "NEWS & EVENTS", "ALUMNI DIRECTORY", "LOG IN", and "NOT REGISTERED? Register now". There's also a "Forgot your ID or password?" link and a "Member Services" section.

Visit the UH Alumni Association Online Community

www.UHalumni.hawaii.edu

- * Create your personal alumni profile
- * Post a Class Note and read about your classmates
- * Find the alumni chapter nearest you

To register, use the 10-digit number in the upper right corner of your address label on the back of this magazine, or request your alumni ID number by emailing alumnihelp@uhf.hawaii.edu.

Become part of the club

When you join the UH Alumni Association (application on reverse) you can choose from any one of the active alumni chapters listed below.

CAMPUS CHAPTERS

Association of Alumni and Friends of UH Hilo

Association of Kaua'i CC Alumni

Hawai'i CC Alumni Association and Friends

Honolulu CC Alumni Association

UH West O'ahu Alumni Association

UH MĀNOA CHAPTERS

Colleges of Arts and Sciences Alumni Association

College of Business Administration Alumni and Friends

College of Education Alumni Association

College of Tropical Agriculture and Human Resources Alumni Association

Department of English as a Second Language

Dental Hygiene Alumni Association

Engineering Alumni Association

Alumni Association of the John A. Burns School of Medicine

Nursing Alumni Association

School of Architecture Alumni Association

School of Library and Information Sciences Alumni

School of Public Health Alumni Association

School of Social Work Alumni and Friends

Travel Industry Management International

William S. Richardson School of Law Alumni Association

Army ROTC Alumni

Ke 'Ānuenue Alumnae Association

UH Founders Alumni Association

Te Chih Sheh

REGIONAL CHAPTERS

UHAA-Colorado

UHAA-National Capitol Region

UHAA-East

UHAA-Pacific Northwest

UHAA-Greater Midwest Region

UHAA-San Diego

UHAA-Las Vegas/Southern Nevada

UHAA-San Francisco Bay Area

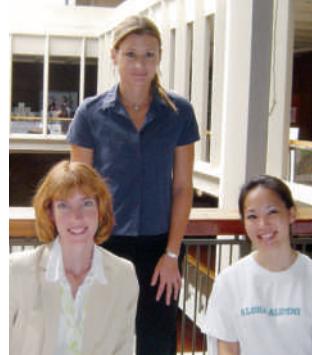
UHAA-Los Angeles/Orange County

UHAA/EWCA-Florida

UHAA-Maui Club

UH 'Ohana

UH Alumni Association celebrated its nearly 1,000 Life Members Mar. 2 at the Honolulu Country Club. Keynote speaker was Wahine Volleyball Head Coach Dave Shoji. The event marked the official launch of the new website, www.UHalumni.hawaii.edu. Alumni staff (from left, Emily Fay, Nico Schnitzler and Brandi Yasuoka) participated in UH Day at the State Capitol in January.



Hawaiian Islands

Mānoa Vice Chancellor for Academic Affairs Neal Smatresk addressed the **Colleges of Arts and Sciences** Alumni Association at Honolulu's Pacific Club in February, emphasizing his priority on improving the student experience.

More than 200 gathered to honor **UH Hilo**'s 2005 distinguished alumni including Sneha Sood '80 and Cheryl LeiAloha '87 (right). Their annual golf tournament to raise money for student scholarships was scheduled May 7.



Mānoa College of Business Alumni and Friends hosted a wine tasting at the Stan Sheriff Center. The event celebrated the arrival of the new CBA dean, Vance Roley.

In other scheduled spring events: a scholarship fundraiser brunch celebrated **UH Founders** Alumni Association President Hubert Everly's 90th birthday on Easter Sunday, 900 gathered for the **Mānoa College of Engineering** corporate dinner in April, and Sen. Daniel Akaka was scheduled to speak at the **Mānoa College of Education**'s annual gala in May.

International

Hong Kong alumni met for dinner at the Harbour Restaurant in March. Proceeds supported Hamilton Library flood relief, adding to the nearly \$300,000 contributed by alumni chapters, groups and individuals around the world. Later in the week, Leeward Chancellor Mark Silliman joined **Cambodian** alumni for a dinner.

Mainland

Interim President David McClain dined with alumni chapter leaders in **Washington, D.C.** (UHAA-National Capital Region), **New York** (UHAA-East) and **Los**



Angeles (UHAA-LA/Orange County). (From left in New York: Jeanette Takamura, David and UHAA-East President Karen Liu with UHAA President Karl Fujii)

The **Las Vegas** chapter held its annual March Madness membership drive and a stew dinner celebrating Lei Day.

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

2000s

Hwan Hee Jeong (LLM '04 Mānoa) is a new father to baby Andrew.

Bree Kurihara (JD '02 Mānoa) authors Imanaka Kudo & Fujimoto's newsletter special edition "Turning on the Tap: What Will it Take to Get the Waters Flowing?"

Traci Rei Garrido Morita (JD '03 Mānoa), part of the Honolulu public defender's office since July 2004, delivered her first oral arguments before the Intermediate Court of Appeals in State v. Brighter recently.

Stephanie Uechi (JD '04 Mānoa) has joined Imanaka Kudo and Fujimoto and will work in the firm's land use section.

Clinton Yamashita (BS '04 Mānoa) graduated with honors from the Starwood management trainee program and was promoted to guest services manager in January.

1990s

Shankar Aswani (MA '92, PhD '97 Mānoa), associate professor at UC Santa Barbara, is a 2005 Pew Fellow, the most prestigious award in marine conservation, based on his potential to protect ocean environments. Aswani will work over the next three years to establish a network of protected areas to preserve vulnerable species like the coconut crab and the sea turtle.

Mangmang Qiu Brown (MBA '94, JD '98 Mānoa), a Honolulu deputy prosecuting attorney, is in China this year with husband **Ron Brown**, a UH Mānoa law professor.

Shawn Ching (BA '91, MA '93, JD '03 Mānoa), evening news anchor for KITV News, also practices labor/employment law with Honolulu firm Lowell Chun-Hoon.

Cherie Chun Colmenares (BA '99 Mānoa) married **Serafin Colmenares III** (BS '99 Mānoa) in May 2004 and they live in Brookline, Mass.

Chase Darby (AS '89 Maui) is a tax accountant for Power User Group at CCH Tax and Accounting.

Lea Hong (JD '91 Mānoa), a UH Mānoa adjunct law professor and director at Alston Hunt Floyd and Ing, has been named Outstanding Woman Lawyer of the Year by Hawai'i Women Lawyers.

Keri Kolb (BA '95 Mānoa) was promoted to sales and loan officer in the Bank of Hawai'i's

channel sales development group, which handles all incoming customer service requests and telesales for the bank.

Rebecca Lester (BA '95 Mānoa) recently joined the Honolulu prosecutor's office.

Lane Hornfeck McKay (JD '98 Mānoa) is a director at Starn O'Toole Marcus and Fisher. She practices in commercial litigation and real estate related transactions and is the president of Hawai'i Women Lawyers.

Brennon Morioka (PhD '99 Mānoa), an engineer, was named deputy director of the state transportation department in December.

Sara Muraoka (BBA '92 Mānoa) has been promoted to director of marketing for Hawaiian Host.

Mia Nani M. Noguchi (BA '95 Mānoa) has been appointed director, Public Relations and Special Events, for the University of Hawai'i System. She previously worked at Honolulu public relations firm McNeil Wilson Communications.

Scott Simon (JD '98 Mānoa) joined Hawaiian Electric Company as associate general counsel.

Julie Tappendorf (JD '97 Mānoa) has been voted into partnership at law firm Holland and Knight, LLP in Chicago.

Hai Yuan (MS '97 Mānoa) is vice president for operations at Kona Bay Marine Resources, known for its shrimp brood stock.

Kimi Mikami Yuen (MA '99 Mānoa) was promoted to associate by PBR, one of Hawai'i's leading planning firms.

1980s

Fay Yokomizo Akindes (BA '81 Mānoa) was awarded the Stella Gray Teaching Excellence Award at the University of Wisconsin-Parkside, where she is an associate professor and was the keynote speaker for the December 2004 commencement.

Richard T. Bissen Jr. (JD '86 Mānoa) has been appointed to Hawai'i Circuit Court of the Second Circuit, subject to Senate confirmation.

Alex Brillantes, Jr. (MA '81, PhD '86 Mānoa) was appointed dean of the National College of Public Administration and Governance of the University of the Philippines.



Chris Davis

Space shuttle engineer

Career: Project manager, Spaceport Engineering and Technology directorate, Kennedy Space Center

Roots: Moanalua Valley, O'ahu

UH degree: BS in mechanical engineering '83 Mānoa

Family: Girlfriend Monica; mother Dana; siblings Marc, Matt and Karen; Aunt Stella

Hobbies: Kung fu and reading

Favorite space book: *I Robot* by Isaac Asimov

Childhood aspiration: Architect and writer

Best thing about life in Florida: Living in an uncluttered, natural area that is near the beach

Chris Davis's first job was doing repairs at a Waimalu gas station. After graduating from UH, he worked on the P-3 aircraft for the Navy. Now he's working to get the space shuttle flying safely again. One of the teams he heads developed "shearography," an innovative technique that uses laser detection to ensure that foam doesn't come off the external tank during launch. Another team studies how debris impacts the shuttle's thermal protection tiles and how much damage the tile can tolerate. Davis's team won a Group Achievement Award in 2004 and he received NASA's Space Flight Awareness Award this year.

Davis calls joining the Kennedy Space Center staff in 1990 and receiving his MS from the University of Central Florida three years later a dream come true, but it's not his only interest. A volunteer with a Red Cross Disaster Assessment Team, he also trains and demonstrates kung fu with the Wah Lum Northern Praying Mantis Performance Team.

Alum presents *Chanel* at the Met



CHANEL, a major exhibition curated by Harold Koda (BA '72 Mānoa), continues at the Metropolitan Museum of Art through Aug. 7. The exhibition examines the history of Gabrielle "Coco" Chanel's Maison de Haute Couture 34 years after the death of the French orphan turned fashion authority.

"In creating a wardrobe for herself, Chanel invented an idea of the modern woman," observes Koda, who also co-edited *CHANEL*, the book accompanying the exhibition.

Koda, who was raised in 'Aiea, Hawai'i, has been curator-in-charge of the museum's Costume Institute since 2000, but he served as exhibition assistant and

co-mounted 12 noted exhibitions during previous affiliations. He also spent stints as a Sotheby's rare book administrator, *Spy* magazine editorial consultant and Fashion Institute of Technology curator and director and is a two-time recipient of Council of Fashion Designers of America awards. In addition to his UH studies in English literature and art history, he attended New York University and earned a master's in landscape architecture from Harvard.

Koda's exhibitions and books have examined body-transforming fashion, explored Orientalism and classical influences and chronicled the work of Armani, Dior, Adrian and others. Chanel, he says, "remains synonymous with uncompromising refinement and seductive flair."

See www.metmuseum.org for information on the exhibition or book.

Larry Foster (JD '81 Mānoa) will become president of the East-West Center international alumni association, the East-West Center Associates, on July 1.

Bruce Kim (BS '86, MS '88 Mānoa) is chief technology officer for Inovaware.

Linda Martell (JD '87 Mānoa), **Alvin K. Nishimura** (JD '85 Mānoa) and **Shawna J. Sodersten** (BBA '88, JD '91 Mānoa) have been appointed per diem judges by Hawai'i Chief Justice Ronald Moon. Sodersten is also an adjunct professor in the William S. Richardson School of Law.

Michael Nauyokas (JD '89 Mānoa) works as an attorney, mediator and arbitrator in Colorado.

Clifford Sanchez (BS '81 Mānoa), who lives and works in Los Angeles, received a new sedan for his 24 years of dedicated service to education.

Alan Susumu Shiroma (BS '86 Mānoa) received an MA in lay ministry from Southwestern Baptist Theological Seminary in December 2004.

Laurie Tochiki (JD '80 Mānoa) and **Dawn Slaten** (JD '84 Mānoa) were given Founders awards by EPIC Ohana Conferencing. Lt. Gov. **Duke Aiona** (JD '81 Mānoa) gave the keynote address at the ceremony.

Michael G. Wright (BBA '83 Mānoa) is a senior vice president of Alexander and Baldwin's wholly owned real estate development business, A&B Properties, in charge of real estate acquisitions and investments.

1970s

Patricia Blanchette (BA '74, MD '79, MPH '79 Mānoa) is one of 10 individuals nationwide to receive the Accreditation Council for Graduate Medical Education's 2005 Parker J. Palmer "Courage to Teach" award. A past UH Distinguished Alumni awardee, she is professor and chair of the Department of Geriatric Medicine and founder of the geriatric medicine fellowship program at Mānoa's John A. Burns School of Medicine.

Gregory C. Chun (BA '77 Hilo; MA '84, PhD '94 Mānoa) is president and general manager of Bishop Holdings Corp., which is responsible for implementing Kamehameha Schools' strategic plan for Keauhou Resorts.

Chiome Leinaala Fukino (MD '79 Mānoa) is director of the Hawai'i State Department of Health.

Rochelle Lee Gregson (BA '75 Mānoa) was named chief executive of the Honolulu Board of Realtors.

Randy Y. Hirokawa (BA '75 Mānoa) of Hanapēpē, Kaua'i, returned to Hawai'i from the University of Iowa, where he was a professor and chair, to become dean of the

College of Arts and Sciences at UH Hilo in January.

Kathleen Kano (BS '79 Mānoa) was promoted to executive vice president of Atlas Insurance Agency.

Ernie Libarios (MEd '72 Mānoa) was named to America's *Who's Who Among Teachers*. He's a professor in counseling and advising at Leeward Community College.

Rob Miller (BED '76 Mānoa), is district sales manager with Bayou Steel Corporation in Louisiana. He and his wife Patricia, whom he met while attending UH, have two sons now in college.

Ira Nepus (BED '77 Mānoa) is a jazz musician now working live shows in Los Angeles. He played for the opening of the Tokyo Disneyland as well as in Israel and all over California.

Greg Reuter (MFA '73 Mānoa) is professor of sculpture at Texas A&M University at Corpus Christi.

Terry M. Ryusaki (BS/BA '79 Mānoa) was appointed CEO of Cybios, a biotech company in San Diego commercializing tissue engineered products using stem cells from juveniles and adults. He also serves as board chairman of the Arthritis Foundation (San Diego Area Chapter) and a trustee for the national Arthritis Foundation.

Ron Terry (BA '79 Hilo) an environmental consultant, was named to the Mauna Kea Management Board in November.

Kent Tsukamoto (BBA '78 Mānoa), past president of the UH Alumni Association, was promoted to managing partner at PricewaterhouseCoopers in January.

1960s

Saleem Ahmed (PhD '65 Mānoa) is the author of *Beyond Veil and Holy War: Islamic Teachings and Muslim Practices with Biblical Comparisons*. He is a senior fellow at the East-West Center.

Jeanne Hiroshige (BA '66 Mānoa) has been promoted to director of human resources at Hawaiian Host.

Jan A. Krancher (BS '67 Mānoa) has compiled and edited a book titled *The Defining Years of the Dutch East Indies, 1942–1949*.

Evelyn McConathy (BA '68 Mānoa) has joined



Post notes at www.UHalumni.hawaii.edu or send to alumnews@hawaii.edu or **Mālamalama**, 2444 Dole St., Honolulu 96822. Please indicate campus(es) attended, graduation year(s) and any name changes.

the law firm of Drinker Biddle and Reath in Philadelphia.

Kenneth Taira (BBA '65 Mānoa) was appointed as Hawai'i's chief negotiator by Gov. Linda Lingle.

1940s

Daniel B. T. Lau (BA '41 Mānoa), co-founder of Finance Factors was named Hawai'i's outstanding older worker by Experience Works. At age 85, he is still working as company chair and secretary.

1930s

Douglas T. Wada (BA '37 Mānoa) was among the small number of Nisei who put their language skills to work during World War II, and the only one in Naval Intelligence, following recruitment to intelligence while in his senior year at UH.



Francis Ikenaga, UHAA-San Francisco Bay Area chapter member and supporter for more than 14 years, died Feb. 9. Ikenaga played a leading role in the chapter's annual scholarship luaus from 1992 to 2003.



Bernice Elama Kanahele, renowned language educator and founder of the Hawaiian language immersion movement on Kaua'i, died Jan 16 at age 49. She attended Kaua'i Community College and UH Mānoa.

Yasunobu C. Kesaji, (BA '41 Mānoa), a well-known Maui social worker and community and church leader, died Jan. 2.

Douglas Haig Logan ('38-'40 Mānoa), a former Rainbow Warrior, died Sept. 6 at age 85. He retired as chief investigator of the Santa Clara County District Attorney's Office in California.

Lorraine "Lorrie" M. Mortimer, wife of former UH President Kenneth Mortimer, passed away Feb. 4 in Bellingham, Wash. She played an active role as UH's first lady and on the boards at Honolulu Academy of Arts and the Hawai'i Food Bank.



Ward F. Olsen (JD '79 Mānoa) passed away recently.



Salam Khalid Tamimi (BA '76 Hilo) died June 22, 2003, in Jordan. Tamimi was a retiree of the Ministry of Tourism and Antiquities and a volunteer art teacher at Princess Haya's Center in Amman.



In Memory

John L. Canup (MA '75 Mānoa), a history professor at Texas A&M University, passed away in February.

Bertell "Bert" D. Davis (PhD '90 Mānoa), respected Hawaiian archaeological preservationist, died Jan. 16. He was best known for his 1970s work on the Barbers Point area.

Nainoa K. Hoe (BBA '00, MBA '03 Mānoa), U.S. Army Pacific Reserve first lieutenant, was killed Jan. 22 while on foot patrol in Mosul, Iraq. Married in June to Emily Hoe, the karaoke oldies fan was 27 years old.

In Peril

from page 13 uniformly to every state, even though microbes behave differently in tropical climates, he points out.

"We were able to convince the National Science Foundation and National Institute of Environmental Health Sciences to fund the Pacific Research Center for Marine Biomedicine at Mānoa, one of four Ocean and Human Health Centers across the country," he adds. Its mission includes prevention of water-borne diseases. Fujioka also developed a monitoring plan and trains Board of

Water Supply laboratory staff to rapidly detect changes in drinking water that could signal contamination by terrorists.

Other water-preservation efforts by UH faculty include safe operation of water-catchment systems in areas not hooked up to a public utility. Ultimately, all appreciate the sentiment expressed by American anthropologist Loren Corey Eiseley: "If there is magic on this planet, it is contained in water."

Jennifer Crites (AA '90 Windward, BA '92 UHWO) is a freelance writer/photographer in Honolulu.

Milford Sound, NZ



Photo courtesy of Danny Yee

Fall tour goes down under

Join the UH Alumni Association's Beauty and Wonder Down Under tour of New Zealand and Australia Oct. 19–Nov. 3. The itinerary includes Auckland's maritime history, Queenstown's glacier-carved landscape, Milford Sound's fairy-tale scenery and Christchurch's colonial heritage. Visit living museums depicting Maori culture and mythology. Close with three-night stays in Cairns, with an excursion to Australia's Great Barrier Reef, and historic Sydney. As tour leader, Mānoa Emeritus Professor of Geography Peter Pirie revisits his homeland and shares his expertise in New Zealand and Australia population and demographic studies, including the effects of human interaction with tropical ecosystems. For information, contact Kevin Takamori, Alumni Relations, toll-free at 1-877-UH-ALUMS (1-877-842-5867) or by email at kevin.takamori@uhf.hawaii.edu.

UHAA Activities

Online registration and details for all UH Alumni Association-related events at www.UHalumni.hawaii.edu

May 20–21 Colleges of Arts and Sciences Reunion (1945, 1955, 1965, 1975, 1985 and 1995). Call 808 956-4051 or 808 956-5790 or visit www.artsci.hawaii.edu/alumni.

May 21 Las Vegas Chapter Golf Tournament, with players from Mānoa's College of Engineering chapter flying in for the event, Palm Valley Golf Course, Sun City, Summerlin. Contact Ben Racelis at 702 796-9912 or write 3629 Laguna Verde Way, Las Vegas, NV 89121.

June 17 UH Alumni Association event in Hong Kong. Contact alumnews@hawaii.edu or 1-808-956-2586 for information.

Oct. 15 Homecoming football game versus New Mexico State. Homecoming week activities to be announced; watch www.UHalumni.hawaii.edu

For the Sogis, internships repay an educational debt



Mānoa students gain career and life experience thanks to the generosity of UH Distinguished Alumnus Francis and Sarah (BA '45 Mānoa) Sogi, whose foundation finances summer internships at museums on both coasts and a major law firm in New York City.

“Education established the basis from which Sarah and I were able to realize so much more than we had ever dreamed,” Sogi says. They initially established the Sogi Foundation to provide college scholarships to Big Island graduates from Konawaena and Kealakehe High Schools. “It is no more difficult for students from Kona to get into college than those from other parts of Hawai‘i,” but a rural community can have greater need for financial support, he explains.

Born in 1923 to Japanese immigrants, Sogi grew up on a Big Island farm and graduated from Konawaena High School. Three months after he enrolled at Mānoa, World

War II intervened and his ROTC unit was called to active duty. When soldiers of Japanese ancestry “were summarily dismissed when we were classified as enemy aliens,” he volunteered for the Military Intelligence Service to prove his loyalty. He later completed a UH business degree, moved to New York (where his high school sweetheart was an occupational therapy scholarship student at Columbia) and earned a law degree at Fordham University in 1952. The Sogis married and he practiced corporate and international law with New York’s Kelley Drye

and Warren, spending three years as a foreign lawyer in Japan. Upon his retirement as life partner after five decades, the couple returned to Hawai‘i in 1996.

...to “give back to a society that has been good and generous to us.”

The internships “give back to a society that has been good and generous to us,” he says. Since 1989, a Mānoa arts and sciences student spends the summer working at the Japanese National Art Museum in Los Angeles. Several former interns now work in museums. The \$225,000 Francis Y. Sogi and Sarah M. Sogi Asian Pacific American Studies Fellowship allows Mānoa ethnic studies majors to earn college credit while training and studying in the Smithsonian Institution’s Asian American Studies Program. The newest internship places a third-year UH law student in the summer associate program at the 400-attorney Kelley Drye firm. In 2004, students ranked it best among more than 150 firms nationwide, melding experience in a major international practice with life in a large, mainland city.

“Students bring back a broader vision of the future, and it will be good for the future of Hawai‘i,” Sogi says. “We hope to continue with grants and scholarships for education and research aimed at a better understanding of Asian Americans in our country, as well as for the betterment of students in Hawai‘i.” ⑩

by Vicky Jocson, an External Affairs and University Relations intern

Team docs keep athletes in game shape



Hilo obstetrician John Uohara has tended Vulcan women for 25 years, directly and by funding a strength/conditioning coach

College athletes use physical strength, speed, power and specialized skills to compete in events from football to sailing. But asking the body to perform at peak levels can result in injuries. So physicians are critical players for the Warriors, Wahine and Vulcans.

Mānoa team docs Andrew Nichols and Michelle LaBotz also direct the John A. Burns School of Medicine's sports medicine fellowship. They manage a team of multidisciplinary specialists, including volunteer clinical faculty from the medical school. "There are so many outstanding aspects to working with this motivated, hard working, talented, interesting and dedicated patient population," says LaBotz, who joined 11-year veteran Nichols three years ago.

Team care involves a close network of physicians, trainers and specialists in complementary and alternative medicine, such as chiropractors, acupuncturists and massage therapists. Nichols and LaBotz work directly with athletes and mentor medical students.

"The beauty of being at the university is that our mission is education," Nichols says. "The field is literally in the field. The football field becomes a laboratory." This hands-on approach gives future doctors valuable experience in assessment and

management of injuries, which can range from knee sprains and shoulder dislocations to more serious head and neck injuries. In addition to medical texts, physicians can turn to the NCAA sports medicine handbook, which suggests how to manage situations from pregnancy to lightning strikes. They also work with trainers to promote healthy lifestyles and address pre-existing conditions, such as asthma and congenital heart conditions, that put athletes at risk. "We try to find ways to allow the athletes to participate as safely as possible" Nichols says.

One of the hardest aspects is dealing with the emotional and psychological disappointment of an athlete who suffers career ending injuries, he finds. "We have athletes who want to play at all costs, but we can't let them do that if it involves certain kinds of injuries."

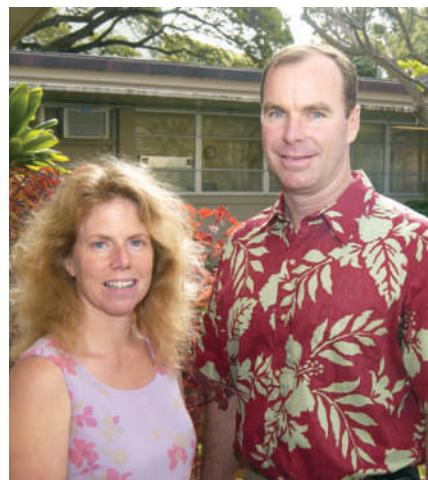
In Hilo, John Uohara has spent 25 years as team physician for the women's volleyball team. He recently gave \$10,000 to the Hilo athletics program to support a women's strength and conditioning coach. "John's dedication to our women's volleyball team has been tremendous," says Kathleen McNally, Hilo athletic director. "John is there for our wahine all the time and at a moment's notice."

Uohara got involved with Vulcan athletics at the same time he opened a private obstetrician/gynecologist practice in his hometown. "I love sports," he says. "Gravitating to sports through medicine was pretty natural for me." Although few

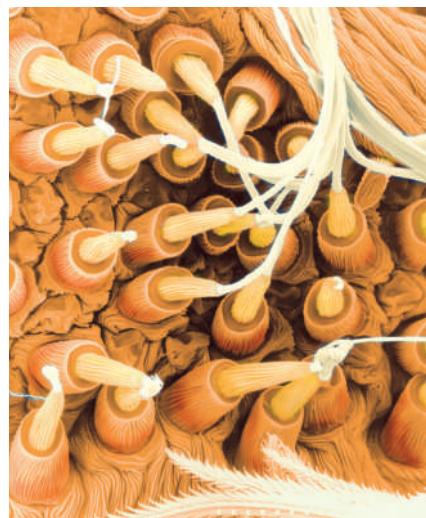
of the athletes under his care become pros, he enjoys watching their post-college successes. "It's gratifying to establish and maintain relationships. I've delivered their babies," he reminisces. ☀

by Heidi Sakuma, External Affairs and University Relations student writer

Care involves a network of doctors, trainers and specialists



Mānoa faculty physicians Michelle LeBotz and Andrew Nichols treat Rainbow Warriors and Wahine and train doctors-to-be



Spider Web Silk Spinnerets

electron microscopic image, approximately

1,500x magnification

used with permission

This rare view of everted spinnerets exuding liquid silk was taken by a visiting Punahoa School fourth-grade class and digitally enhanced by MicroAngela, aka Tina (Weatherby) Carvalho (BA '75, MS '80 Mānoa). The art student turned zoology major is supervisor of the Pacific Biosciences Research Center's Biological Electron Microscope Facility at Mānoa.

[www.pbrc.hawaii.edu/bemf/
microangela/](http://www.pbrc.hawaii.edu/bemf/microangela/)

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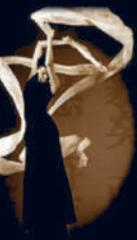


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arts etc.



LECTURES

- May 25** Standing Up as Americans: The Story of the 442nd Regimental Combat Team, by Ron Oba; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- May 27** Extreme Torts: Are Punitive Damages in Hawai'i Out of Control? by Denise Antolini; 132 Bishop Street in Honolulu, 808 537-1868
- June 1** Ŋupepa 'Ōlelo Hawai'i: Hawaiian Newspapers, by Puakea Nogelmeier; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- June 8** World War II in Paradise, with Warren Nishimoto and Michiko Kodama-Nishimoto; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- June 9** What is Education For? Education critic David Orr on myths that perpetuate problems in schools and society; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- June 15** Lei Plants for Hawai'i Gardens, by Heidi Leianuenue Bornhorst; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- June 22** Caring for and Preserving Indigenous/Native Objects, by Sherelyn Odgen; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- June 23** Equity Group Investments Chair Sam Zell, the country's largest landlord, on the economy and today's real estate market; Mānoa, 808 956-5357
- June 29** What Do Zoos Do? by Redman; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- July 6** Kaho'olawe: Aloha 'Āina vs National Security, by Sol Kaho'ohalahala; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- July 27** Alice A. Ball: UH's First African American Chemist, Instructor and Researcher, by Paul Wermanger; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- Aug 3** Noni: Does it Help Cancer Patients? by Brian Issell; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- Aug 4** The How and Why of Blogging, by Molly Holzschlag; Mānoa, www.outreach.hawaii.edu, 808 956-8246



CONFERENCES AND WORKSHOPS

- July 17-21** Best Practices in Substance Abuse Treatments conference, various approaches to substance abuse prevention and treatment; Hawai'i CC, www.hawaii.hawaii.edu/hssersacc/BPC.htm 808 974-7531
- July 21-23** Nā Ponoehula workshops on making hula implements, kapa, natural fiber dyes, lauhala weaving and other hana no eau; Maui 808 984-3363
- July 24-30** Ka 'Aha Hula 'o Hālauaola conference, history and styles of hula, protocols, chants, plants and dyes, stories, costumes and clothing; Maui, www.hulaconference.org, 808 984-3363
- ETC**
- Thru May 29** *Yoshitomo Nara: Nothing Ever Happens* exhibition of contemporary paintings, drawings and sculptures with *Shaka Nara*, works by local Hawai'i artists, co-sponsored by the Center for Japanese Studies and Department of Art and Art History; The Contemporary Museum, 808 237-5220, schoi@temhi.org
- June 3** *Ruth Ke'elikōlani* documentary screening; Mānoa, biograph@hawaii.edu or 808 956-3774
- July 13** *The Unrecovered* film screening and Q&A session with filmmaker Roger Copeland; Mānoa, www.outreach.hawaii.edu, 808 956-8246
- Sep 7-10** *Vinegar Tom, Kennedy* Theatre play; Mānoa, 808 956-7655
- Sep 9** 9/11 memorial unveiling of a World Trade center remnant display; Honolulu CC, 808 845-9253
- Sep 16** Mealani Taste of the Hawaiian Range food and agriculture festival; Hilton Waikoloa, College of Tropical Agriculture and Human Resources 808 322-4892, merrissa@hawaii.edu
- Sep 17** The Mānoa Experience, program for prospective students and parents; Mānoa, 808 954-7137
- Oct 14-15** SOEST Open House: The Hot Spot for Cool Science, volcanoes, tsunamis, El Niño, planetary exploration, hurricanes, coastal erosion, marine ecosystems and more; Mānoa, www.soest.hawaii.edu/openhouse, 808 956-3151

