# THE LIGHT OF KNOW LEDGE mālamalamā

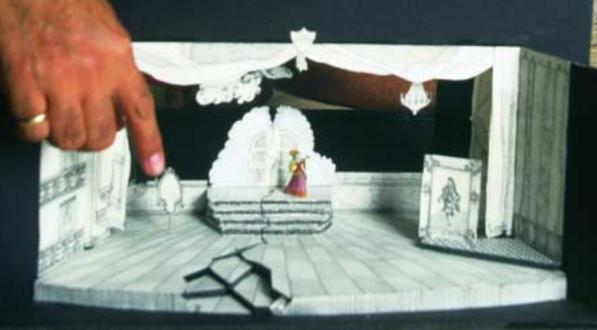
The magazine of the University of Hawai'i system

Volume 25, Number 1 January-June 2001

Behind the Scenes at Kennedy **Theatre** also

A tsunami is coming A plan for Mauna Kea

The men behind the H





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# mālamalama

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### Who will be a millionaire?

We often hear about the value of education. UH Professor of Economics James Mak has quantified it. As the graph below illustrates, a typical Hawai'i resident with a UH bachelor's degree will earn a million dollars more over his

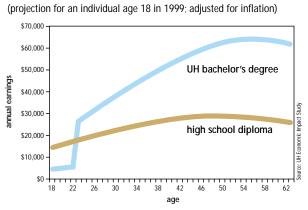


or her lifetime than a resident with a high school diploma. Complete graduate school and the additional earnings double. It's not just the individual who benefits. Mak's data illustrates that UH is a major force in Hawai'i's economy. For example:

➤ Total UH spending plus spending by students and out-of-state visitors coming to Hawai'i for University events contributed \$1.1 billion in fiscal 1999. UH's impact on the economy is more than twice

that of agriculture; greater than business services, communications and utilities sectors; and nearly on par with manufacturing.

 ★ For every dollar of state general funds invested in UH, the University generEarnings by level of educational attainment in Hawai'i



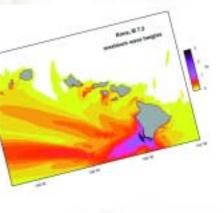
ates another \$1.87 of education-related expenditures.

- ★ Tuition pays only a portion of an undergraduate's education. State taxpayers kick in more than \$58,000 to cover the rest. However, that student will go on to pay almost \$136,000 more in state taxes than a resident with a high school diploma.
- ➤ During fiscal 1999, UH expenditures generated \$1.6 billion in business sales, \$1.1 billion in household income, \$183 million in state and local taxes and more than 29,000 jobs.

Mak's *UH Economic Impact Study* was commissioned by the Office of Planning and Policy with support from the state Department of Business, Economic Development and Tourism. The full report, due out early this year, is one gauge of the University's performance. For additional measures, see *UH Benchmarks/Performance Indicators Report* at www.hawaii.edu/oyppp/assessment/benchmarks.

Kenneth P. mortimer

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**On the cover:** From scale model to actual theatrical sets, students receive hands-on education at UH Manoa's Kennedy Theatre. Stephen Crowell, left, discusses staging for the recent production of *La Bête* with Professor Joseph D. Dodd. Crowell is working on a master of fine arts in design. Story on page 10.

# CNThou NEWS

### What would Confucius say?

chinese language and philosophy experts at UH Mānoa will team with computer programmers to make core classical Chinese texts available on the Internet. The project, one of five nationally funded by the federal Digital Libraries Initiative, will compile and digitize 10 Chinese language works, including sayings of Confucius and Mencius, Daoist writings, folk songs and

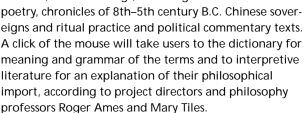




Illustration by Billie Ikeda

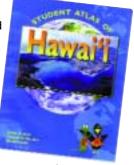
# Students learn to manage workplace conflict

ommunication strategies for managing on-the-job conflicts and confrontational situations were the focus of a fall course offered by UH's Spark M.

Matsunaga Institute for Peace. "Violence is more common as the stresses of workers and managers interact in both small businesses and large institutions," notes UHM Assistant Professor Bruce Barnes. Hawai'i is a leader in establishing mediation practice and workplace dispute resolution systems, and UH is one of only two institutions in the nation to provide system-wide alternative dispute resolution and mediation services to faculty and staff, he says. For information on the Matsunaga Institute, visit www.hawaii.edu/uhip.

### A keiki-style atlas

ot on the heels of Sonia and James Juvik's popular Atlas of Hawai'i is a companion volume for children, the Student Atlas of Hawai'i (Bess Press). Edited by the Juviks and fellow UH Hilo geographer Thomas Paradise (at the urging of UHM's Hawai'i Geographic



Alliance Coordinator Mary Frances Higuchi),

the book presents words, pictures, graphs and maps with the help of personable guides 'Alalā the crow and Mo'o the gecko. It sells for \$8.95, with discounts available for classroom sets.

### **Graduating online**

With an overflow crowd expected, UH Mānoa's spring commencement was the first to be made available live via streaming video on the World Wide Web. If you missed the ceremony or want to order a copy of the video, visit www.hawaii.edu/dl/commencement.

Tom Conlon, of the School of Ocean and Earth Science and Technology's Engineering Support Facility, peers through the end plate of a drift chamber he built in conjunction with physicists from UH and Beijing's Institute of High Energy Physics and an O'ahu engineering and fabrication firm. He also built the computer-controlled drill press needed to place 24,590 holes in each endplate within a tolerance of .002 inch, about a third the width of a human hair. In Beijing, the 3,000pound cylinder will be strung with high-voltage wires, mounted with UH-built amplifiers, filled with gas and used in a particle collider to gather data on the fourth quark. Studies of the subatomic particle may explain why matter prevailed over antimatter in the early universe.

### Honolulu CC one of six Cisco sites

onolulu CC has been selected as one of only six Cisco Training Academies in the United States to offer Cisco Certified Network Professional training courses. The courses prepare trainees for Cisco career certification to meet the growing demand for computer networking experts. Honolulu CC will be responsible for training in the Pacific/Asia region. Cisco Academies in UH Community Colleges train high school teachers in the use and implementation of high technology computer networking systems. In June, about 75 of their students were the first graduates to receive Cisco training in high school.

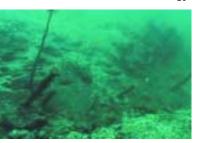
### Thinking globally

The new Globalization Research Center at Mānoa will map globalization's impacts, create a related curriculum and study health issues in a global context, says Director Deane Neubauer, professor of political science. The center will build a cadre of scholars to conduct research on topics from strategic, cultural and environmental issues to human rights, labor and agriculture. Established under a \$1 million grant administered by the U.S. Department of Education, the center will take the

lead on the Asia/Pacific region and collaborate with George Washington University for Europe and West Asia, UCLA for Africa and the University of South Florida for the Caribbean and Latin America.

### Oh, Shenandoah, here's one for Regis ...

ame the westernmost battlefield of the American Civil War. The final answer is Pohnahtik Harbor in the Federated States of Micronesia. That's where an underwater archaeology team led by UHM doctoral student



Suzanne Finney surveyed wrecks of three U.S.-registered whalers and one Hawaiian vessel sunk by the Confederate raider Shenandoah. The April 1865 action—part of the Confederacy's attempt to limit Union maritime activity—was the last naval engagement of the

war; *Shenandoah*'s crew was unaware of General Lee's surrender at Appomattox.

Documentation of the wrecks bolsters nomination of the site to the U.S. National Register of Historic Places, says UHM Professor of Anthropology Michael W. Graves, principal investigator of the project, which is supported by the National Park Service American Battlefield Protection Program and Pohnpei State Office of Historic Preservation and Cultural Affairs and the Marine Option Program at Mānoa.



Professor Ryuzo Yanagimachi, above, moved into the Institute for Biogenesis Research, a new \$4.9 million state-of-the-art research facility adjacent to the Biomedical Sciences building on the UH Mānoa campus this fall. Joining him for the building dedication were University and state officials and private donors, whose joint efforts made the new institute possible. In permanent residence at the institute is Cumulina, the world's first cloned mouse, stuffed and mounted after her death from natural causes last year.

### The real story of the 2000 election

Editor's note: With the final outcome of the presidential race still undetermined at press time, UH Hilo Professor of Political Science Robert Watson penned these thoughts on the 2000 election. Watson is the author of several books on the presidents and first ladies and founder of the new journal, White House Studies.

With all the intrigue of good theater, Americans went to bed on election night not knowing who would be their next president. Then went to bed the next night still not knowing. And the next.... The 2000 presidential race was one of the closest in history. The also close Congressional election leaves a razor thin majority for the Republicans. Coupled with the controversy of the presidential race, such a split could trigger increased partisan fighting and national tensions, or it might force both executive and legislative branches of government to reach across the aisle.

But the main story was the Electoral College. It appeared the archaic device—produced by Founding Fathers distrustful of the ability of the citizenry to elect a president; cautious about balancing the role of the states and national government; and coping with logistical problems of counting a large vote in a large, rural country when voting itself was still novel—might not work. For only the fourth time, one candidate might win the popular vote, his opponent, the Electoral College. How could this happen?

Your vote helps decide who receives your state's electors' votes. Each state has a number of votes equal to the number of its congressional seats. The victorious candidate in each state gets all that state's electoral votes (except in Nebraska and New Hampshire) regardless of the margin of victory. The electors—political insiders typically elected at state party conventions—submit their votes after election day. Only about half the states tie electors' votes to the popular vote. Confused? Join the club.

In focusing on the shortcomings of the Electoral College, the news media educated the public while raising its ire. A shadow of illegitimacy will hang like a cloud over this presidential election, suggesting this archaic holdover go the way of the poll tax. As a political scientist and a voter, I hope that this election will produce more voterfriendly ballots, improved election administration, increased voter turnout and reform of the Electoral College. Our democratic experiment is robust; I am most struck by the civil and peaceful transfer of power that defines American democracy.

That is the real story of this election.

# Regents' Medal

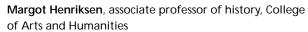
Recipients for 2000

Excellence in Teaching

### **UH Mānoa**

**Hazel Beh**, assistant professor, William S. Richardson School of Law

**John Casken**, assistant professor, School of Nursing



**David Johnson**, assistant professor of sociology, College of Social Sciences

**Damon Sakai**, assistant professor, John A. Burns School of Medicine

**Jean Toyama**, professor of French, College of Languages, Linguistics and Literature

### **UH Community Colleges**

**Dennis J. Chun**, instructor of Hawaiian Studies, Kaua'i CC **Jacob Darakjian**, professor of automotive technology, Leeward CC

**Robert DeLoach**, professor and chair, social sciences, Windward CC

Diane Ferreira, professor of English, Hawai'i CC

Molli K. Fleming, instructor in language arts, Maui CC

Kathleen Sullivan, assistant professor of nursing,

Kapi'olani CC

**John Richard Ziegler**, professor of history and American studies, Honolulu CC

### **UH Hilo**

**Terrance Jalbert**, assistant professor of finance, School of Business

### Excellence in Research

**Ralph Freese**, professor of mathematics, College of Natural Science, UH Mānoa

**Francois Roddier**, astronomer, Institute for Astronomy, UH Mānoa

Willard Wilson Award for Distinguished Service to the University

**Donald Bourassa**, dean of planning, information and development, Honolulu CC



### Nursing grad seeks fellow alumni

I've enjoyed the magazine, which I never received until two issues ago. Is it new? Or have I been missing it since I left UH upon completing the two-year nursing program at Mānoa in 1976.

I would be interested in hearing from any fellow alums of the 1976 AS degree program. I have ongoing contact with a few, who are similarly interested. I have the fondest and best memories of my time at UH Mānoa and the instructors and classmates who shared that time.

Matt A. Lieber, RN

Editor's note: UH is constantly updating addresses for UH alumni. To add or correct an address or to reach Matt Lieber, e-mail or write to us using the addresses at the end of this column. For more information about Matt, see Class Notes beginning on page 20.

### Chance meeting spawns friendship

I was a 20-year-old travel agent in March 1968 in Niagara Falls, Canada, when I read an article by Dr. Edward M. Barnet in a trade magazine. He was describing the School of Travel Industry Management, which he'd recently founded at UH Mānoa. It intrigued me very much, because I'd experienced a wonderful 16-day visit to Hawai'i just over a year earlier and thought I'd like to return to pursue my post-secondary school education.

I found myself just inside the door at Hawai'i Hall on Labor Day 1968. I was alone, with no place to live and generally unsure of what would happen. Providentially, Dr. Barnet came along at that very moment, although I did not know who he was. We talked story for a few moments. When he learned I was intending to study TIM, he told me he was the founder and dean of that program. I asked him if he by chance knew of any possible accommodation that I could rent.

His eyes twinkled, and he said he just might. Within moments he'd driven me the short distance to Atherton Road, where he introduced me to his wife and his dog. Both liked me (thankfully!), and he said that I was welcome, for the tidy sum of \$50 a month, to what had been his daughter's room upstairs in their home. I said "yes" at once, and so began a wonderful friendship that lasted until the Barnets passed on. I was very lucky, and that chance meeting led to four terrific years at Mānoa.

Jerry Pickard ('72 Mānoa)

Editor's note: Send remembrances, comments and questions to ur@hawaii.edu or Mālamalama, 1627 Bachman Place BA2, University of Hawai'i, Honolulu, HI 96822.

### 90'e PEOPLE

### *Mojo lono* REPORTS

RANKED Manoa as the top university for Asian

Pacific Americans by aMagazine based on student and

scholarships and Asian studies and other factors; UH Hilo

western U.S. by U.S. News & World Report; Manoa at 64th

among the nation's top 100 "best buys" in quality public

ESTABLISHED A School of Communication in the

faculty demographics, student retention, availability of

as third among public liberal arts colleges in the



**Judith Gersting** 



**Curtis Ho** 

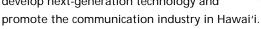
combines the Departments of
Communication and Journalism; a new
master of human resource management degree program in the
UHM College of Business
Administration; the Hawai'i Center
for Advanced Communications

**UHM College of Social Sciences that** 

higher education by Kiplinger magazine.

for Advanced Communications
in the College of Engineering to

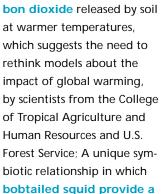
conduct research in broadband and wireless communication, develop next-generation technology and





Jane Kadohiro

DISCOVERED A genetic mutation responsible for causing PXE, an inherited disease that causes skin lesions, blindness and premature hardening of the arteries, by UHM's Laboratory of Matrix Pathobiology; Evidence that metals in an Antarctic meteorite were formed by gassolid condensation in the early solar system, by the UHM Institute of Geophysics and Planetology; Findings that predictions have over-estimated the amount of car-





bobtailed squid provide a

home to a luminescent bacterium in exchange for protective camouflage, by a graduate student and researchers in the Pacific Biomedical Research Center.



Lorenz Magaard

Hirokuni Masuda

UHM's Ka Leo 'O Hawai'i student newspaper and KTUH radio station, with the College Media Advisers' honor roll; UHM Art Gallery Director Thomas Klobe with the designation of Chevalier (Knight) de l'Ordre des Arts et des Lettres by the Republic of France; School of Ocean and Earth Science and Technology Associate Dean Lorenz Magaard with the Pacific Congress on Marine Science and Technology International Award; UHM Emeritus Professor of Botany Dieter Mueller-Dombois, with the Reinhold Tuxen Award: UHM Professor of Physics and Institute for Astronomy Associate Director for Research Support David Sanders, with the Alexander von Humboldt Foundation Award for Senior U.S. Scientists. SELECTED UHH Professor of Education Nina Buchanan to edit the March issue of Roeper Review, UHH Computer Science Chair Judith Gersting to a National Science Foundation grant review panel; UHM College of Education Associate Professor Curtis Ho to help write standards for teacher preparation for the International Society for Technology in Education; UHH Assistant Professor of Biology William Mautz to serve on the editorial board of the journal *Copeia*; UHH Associate Professor of Political Science **Bob Watson** to serve on the editorial board of a new journal, International Journal of Politics and Ethics. **ELECTED UHM Assistant Professor of** Nursing Jane Kadohiro as first vice president of the American Association of Diabetes Educators; UHH Instructor Hirokuni Masuda to the editorial advisory committee for the Journal of Pidgin and Creole Languages. APPOINTED UHM School of Nursing Dean **Rosanne Harrigan**, Matsuda Chair in Women's Health; Andrew G. Hashimoto,

HONORED Jay Hartwell, adviser to

UNVEILED A new sculpture reflecting symbolism found in the natural environment by ceramic artist Jun Kaneko at the entrance plaza to Waikīkī Aguarium.

DONATED Million-dollar grants from two California couples—one to establish the Barry and Virginia Weinman Chair of Entrepreneurship and E-Business in CBA's new Center for Entrepreneurship and E-Business and one to establish a Chair of Entrepreneurship, Marketing and Information Technology; 20 acres mauka of Maui's Palauea Beach by developer and UH Regent Everett Dowling's Palauea Investors for a Hawaiian cultural preserve to be managed by UHM's Center for Hawaiian Studies and Department of Anthropology and Maui CC.

PUBLISHED Brainard's Biographies of American Musicians profiling 19th-century music and culture by UHM Associate Professor of Music E. Douglas Bomberger; For Beer and the Bible: One Hundred Years at the Lutheran Church of Honolulu and Ships, Furs and Sandalwood: A Yankee Trader in Hawai'i by UHH Professor of History Sandra Wagner-Wright; Poisonous Plants of Paradise, by University of Hawai'i Press, with descriptions of plants and their uses, poisoning symptoms and firstaid advice; Reimagining the Future: Toward Democratic Governance, by UHM Professor of Communication Majid Tehranian and colleagues.

PERFORMED UHM Professor of Music Byron Yasui's Lo'ihi: Birth of an Island for string orchestra during the Honolulu Symphony's fall opening concert.

KICKED OFF A grassroots campaign called Friends of Windward to increase public awareness of and private support for Windward CC.

RECOGNIZED The Department of Meteorology for 75 years of service as weather observers by its UHM neighbors, the National Weather Service; The UHM Golden Key National Honor Society chapter with the international Key Chapter Award for excellence in communication, operation and participation; Students in the UHM Rainbow Advantage Program by the

gram for mentoring school children over breakfast at Waikīkī Community Center.



### **BROKEN**

Ground for an 85,000-squarefoot classroom and office building, UH



Hilo's first new major building in 20 years; Ground for a \$14-million Campus Center to include Windward CC's first dining area as well as conference, interactive TV, publication and student lounge facilities.

SIGNED Exchange agreements between UH Community Colleges and Yunnan Provincial Tourism School and Yunnan Institute of Nationalities: A contract with Blackwell Publishers, of Oxford, for a four-volume text series on world philosophy written by UHM professors, with royalties to support graduate student scholarship and travel.

RECEIVED A five-year, \$4.1-million National Science

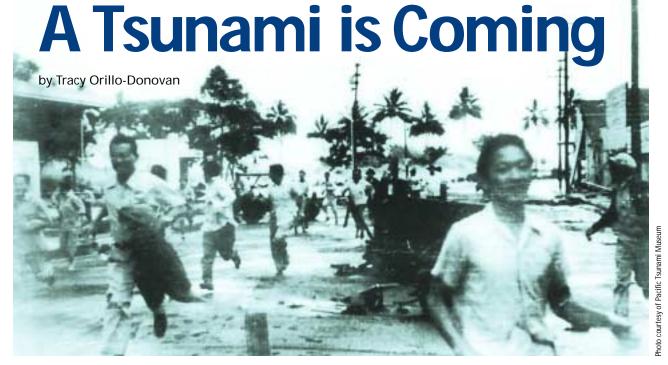
Foundation grant for Pacific Cooperative Studies Unit research on avian malaria, which has contributed to the extinction of at least 10 bird species in Hawai'i and threatens 22 more, including the a 'apane, pictured



at right with a mosquito near its eye; Nearly \$3 million in federal funding and designation of three National Resource Centers in the School of Hawaiian, Asian and Pacific Studies—the Centers for East Asian Studies, Southeast Asian Studies and Pacific Island Studies: \$400,000 from the U.S. Department of Education for the School of Travel Industry Management research and service projects addressing sustainable tourism and the environment; a \$285,000 National Science Foundation grant to pilot degree and certificate programs in tropical forest ecosystem and agroforestry management at Hawai'i CC.

ACCREDITED UHM College of Tropical Agriculture and Human Resources' new biosystems engineering program by the Accreditation Board for Engineering and Technology.

Scientists may not be able to say when, but they know one thing for sure—



The wave flipped me over and carried me toward the lava rock wall that rimmed the school. I recall telling myself, "I'm going to hit head first into that rock wall and I'm going to die." Miraculously, part of the wave that preceded me smashed into the wall and broke it up. So I went flying through the wall—rumbling along, rolling with all the rocks. I was under tons of water and I was getting hit by all these rolling rocks and debris, and I couldn't breathe. I was 16 but I guess I knew what mortality meant.

-Masuo Kino, survivor of the 1946 tsunami that hit the Big Island

t has been more than two decades since a tsunami hit the Hawaiian Islands and more than half a century since the most destructive tsunami on record. On April Fools' Day, 1946, an earthquake in Alaska's Aleutian Islands generated a tsunami. Waves more than 100 feet high raced across the Pacific, killing 159 people and causing more than \$23 million in damages in Hawai'i. The run-up, or maximum height of the waves on shore, reached 54 feet on Moloka'i and 55 feet on the Big Island's Pololū. In some areas, waves penetrated more than a half mile inland.

Experts speculate that, because the tsunami happened on a day traditionally marked by pranks and jokes, few took the verbal warnings seriously. With no warning system in place, children headed to school, unaware of the threat. Curious onlookers, ignorant of the risk, ran toward the ocean instead of to higher ground.

Tsunamis are a constant threat in the Pacific Basin. Between 1992 and 1998, 10 tsunamis killed more than 4,000 people and caused millions of dollars in damages. Warning centers—two in the United States and one each in Japan, French Polynesia, Pacific Russia, Chile and Peru—prevent even higher death tolls. "It's unlikely that another 1946 can catch us unaware," says Gerard Fryer, a Hawai'i Institute of Geophysics and Planetology researcher who has investigated tsunamis for 14 years. Fryer and colleagues at UH and around the world are building better, more efficient prediction models to calculate the wave height and force of a tsunami approaching the Hawaiian Islands and other vulnerable locations. They study tsunamis originating in both local and distant events.

Local tsunamis, usually generated by landslides, can hit nearby land in a matter of minutes. Fryer, Hawai'i Undersea Research Lab's John Smith and Philip Watts of Applied Fluids Engineering, Inc., used mathematical calculations and prediction models to reproduce Hawai'i's two big local tsunamis, recorded in 1868 and 1975.

"We reproduced the run-ups for the 1975 tsunami very well, so we know our technique works," says Fryer. "Now we are looking at every possible tsunami source around the Big Island, exploring what would happen and figuring out how severe the tsunami would be throughout the Hawaiian Islands." The worst case scenario? If a big event, like the 1975 tsunami, occurred in South

Kona, parts of Kailua-Kona would be flooded within six minutes and Honolulu, in a half hour. "We still have some thinking to do though," says Fryer. "Our modeling says a 1951 Kona earthquake should have caused a damaging tsunami in Honolulu. There was a tsunami, but it was too small to do any damage."

As they map areas that might be inundated, the team shares the information with Civil Defense officials so that sensible guidelines can be developed. Of special concern is Honolulu, where, because there is no record of damaging local tsunamis, there is no existing planned response to a large Big Island earthquake.

"We'll get all this work done within a year," Fryer says. "Let's hope that's soon enough."

Tsunamis from the margins of the Pacific have caused the most damage in Hawai'i. UHM Professor of Civil Engineering Michelle Teng and Professor of Ocean and Resources Engineering Kwok Fai Cheung are developing a software package to predict tsunami run-up and inundation patterns under different distant earthquake/tsunami scenarios, with funding from the Hawai'i Sea Grant College Program and Joint Institute for Marine

### Tsunami facts

### What does "tsunami" mean?

The Japanese word for "harbor wave" refers to a series of waves traveling across the ocean with extremely long wavelengths (up to hundreds of miles between wave crests in the deep ocean). Tsunamis have no connection with the weather nor with tides.

### What causes a tsunami?

They usually result from a sudden rise or fall of a section of the earth's crust under or near the ocean. Volcanic activity and landslides above or below water can also generate tsunamis.

### How fast do tsunamis travel?

A tsunami wave in the open ocean can reach speeds greater than 500 miles an hour. Locally-generated tsunamis can reach coastlines in minutes.

### How many waves are in a tsunami?

A tsunami generally consists of a series of waves, often referred to as the tsunami wave train. The amount of time between successive waves, known as the wave period, varies from only a few minutes to more than an hour.

### What should I do?

Review evacuation zones and other information in the front pages of the telephone book now. If you are at the beach and feel an earthquake or observe a rapid withdrawal of the sea, head for higher ground immediately. When a tsunami warning is issued, keep telephone lines clear and stay away from low-lying areas.

Information courtesy of the Pacific Tsunami Museum, www.tsunami.org



Left: Hilo residents flee an encroaching tsunami on April 1, 1946. UH research may improve predictions about when and where tsunamis will hit. Above: A popular item on campus tours, wave tanks help scientists understand the dynamics of waves, including killer tsunamis.

and Atmospheric Research. A large wave tank provides laboratory data on wave run-up.

A new survey of the effects of the 1946 distant tsunami in the Marquesas Islands produced surprises. "The waves were far larger than they had been in Hawai'i, even though the Marquesas are a lot farther away," Fryer says. "The waves were huge, averaging 20 feet and reaching as much as 65 feet in narrow valleys. It looks like a very narrow beam of extremely high waves was projected across the Pacific. The largest waves must have just missed Hawai'i but hit the Marquesas dead center."

Just as researchers think they are solving the tsunami puzzle, new information raises new questions. They do agree on one fact—there will be another tsunami.

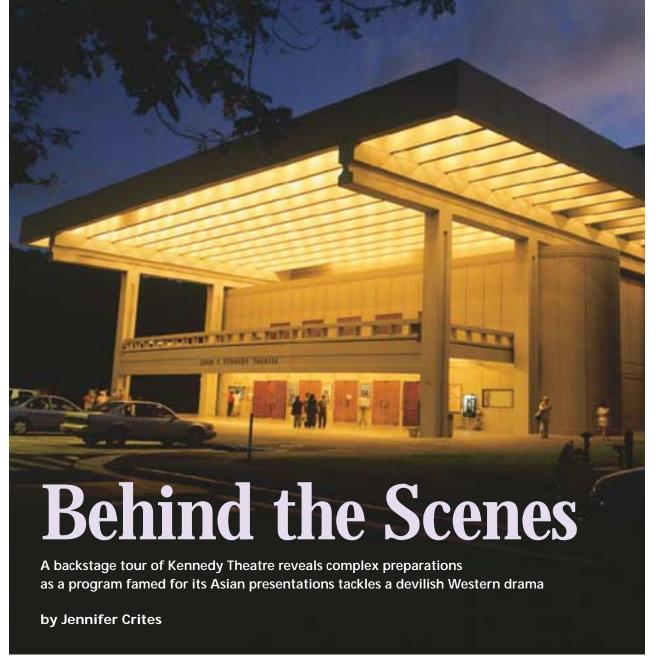
The whole road, everything was covered with debris. There was a house in the middle of the road. It looked like someone had taken all the furniture out of the house and put it underneath the house and sat the house down on top of it. I wanted to go see it, and they said, "No, no. Don't go over there." I went anyway, and there was an arm in the debris. ... It was furniture and sticks and rocks and huge boulders and kitchen stuff and people and everything. It was the most amazing destruction I've ever seen.

—Jeanne Branch Johnston describing the aftermath of the April 1, 1946, tsunami in Hilo

Tracy Orillo-Donovan (BA '85, MEd '96 Mānoa) is a public information officer in University and Community Relations

For information on tsunami research at UH, visit www.soest.hawaii.edu/tsunami.

Personal accounts excerpted here are from *Tsunamis Remembered: Oral Histories of Survivors and Observers in Hawai'i*, a recently completed project of the UHM Center for Oral History. Other Center for Oral History projects document communities, ethnic groups, historical events, occupations and individual lives. To learn more, log on to www2.soc.hawaii.edu/css/oral hist or call 808 956-6259.



tanding on the stage at Kennedy Theatre at UH Mānoa, I am torn between two roles. The amateur actor within me looks out at the empty auditorium and imagines a packed house on opening night. When I turn around, I'm a theater patron gazing at a maze of curved plywood ramps that rises, roller-coaster-like, from the stage floor as the complicated set for a musical fairy tale.

The stage is cavernous, stretching 80 feet deep and looming 70 feet high. Hanging from a grid of metal bars at the ceiling is a cyclorama (curved canvas projection

screen), which can be lowered during a performance like a giant guillotine blade severing audience and actors from backstage flotsam and jetsam.

Behind the cyclorama, three rows of black spotlights hang upside down along the back wall like giant, sleeping bats; and off to the side, curtains—called "legs" in theater parlance—hide warehouse-size doors leading to the set-construction shop. A conical steel staircase winds up to the fly gallery, where ropes, steel cables, pulleys, counterweights and technicians on a catwalk control the movement of curtains, lights and dangling props.

I cross the stage through a warren of tiny backstage offices to meet with Dennis Carroll, director of theater graduate studies. Carroll is tackling one of the most challenging projects the theater world has to offer—directing a staged production of the entire Faust, Johann Wolfgang von Goethe's epic poem in which the old and scholarly Doctor Faust sells his soul to the devil in return for infinite knowledge, power, youth and worldly pleasure. Seldom will a director stage both parts of Faust because the powerful drama, which includes an eclectic collection of monsters, sea creatures, spirits, witches, angels,

Greek gods, grave-digging zombies and scenes that whisk the players to both heaven and hell, strains the resources of a theater to the limit.

In Part II, widely considered unstageable and rarely attempted, the story hinges on magical transformations and surreal scenes in which Faust visits the mythical worlds of the past, the dead and the future; falls in love with a reincarnated Helen of Troy; drains the ocean as part of a land-reclamation project; and helps sire a test tube offspring. To stage the unstageable, Carroll plans to keep the Faust costumes and sets simple. Stainless-steel cages will represent worldly prisons in which characters are trapped, released and confined again. Wagons (platforms on industrial casters) will move the action around a gutted stage. "The audience will be able to see the theater's chipped back walls, the door to the set-construction shop, the fly-line system, everything. It will all be part of the scenery," says Carroll.

His presentation emphasizes the conflict between demonic and celestial forces as well as Faust's internal struggles. "The work is a statement about the need for constant striving, change, evolution, the inevitability of dissatisfaction, never settling for an easy score," he explains, "These are all things that Goethe's life exemplifies. He was never satisfied to sit back, savor and relax, never content with what he had achieved." The same could be said Carroll, who previously directed the complex and equally challenging Greek tragedy, Oresteia, at Kennedy Theatre in 1989.

Faust's themes of compromising integrity for pleasure or material benefit appear in many spinoffs, including Baclav Havel's modern retelling of Faust set in

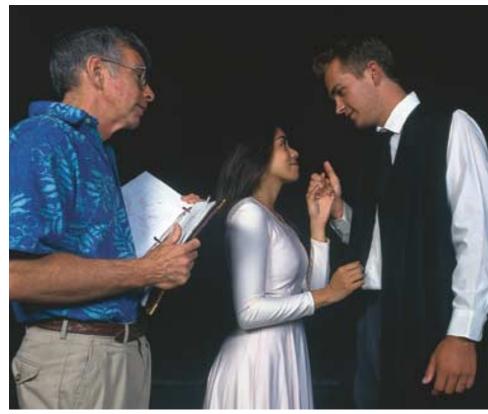
Czechoslovakia and the 1967 film *Bedazzled*. Carroll has dreamed of staging the original for many years. Now, he says, the time is right because theater resources are available.

taging any theatrical production is a complicated process involving the collective efforts of dozens of people, from actors and directors to costume and set designers and their crews. On the day of my visit, Sandra Finney, Kennedy Theatre's costume designer and director of undergraduate studies in the UHM Department of Theatre and Dance, is working on No One Will Marry a Princess with a Tree Growing Out of her Head. "It's an apple tree," she points out, nodding in the direction of a nearby head

covering with an arbor sprouting out of its top.

Elaborate head pieces are only one of Finney's many challenges. Large casts are another. She and her students and staff must create wine-colored jumpsuits and other outfits for Faust's ensemble of nearly 50 actors, most of whom will play at least eight different roles. "I'd like to get my work week down to six days," she says with a laugh.

Upstairs, Professor of Theater Joseph Dodd is concluding one of his scene design classes. "A set is something three dimensional that actors can move through and around and on, an environment for the action to take place in," he explains. "It must support the playwright's and the director's vision." It may create a visual analogy, such as a



Professor Dennis Carroll, left, directs UHM undergraduates Allison R. Jucutan (Gretchen) and Scot Davis (Faust III) in the rarely staged two-part epic drama about a deal with the devil.



Professor Sandra Finney, left, involves students such as theater major Sadie Yi in turning a director's concept into wearable costumes.

giant compass for a play about a journey to the four winds. Before actual sets are built, designers make scale models out of paper, cardboard, strips of wood or veneer, glue, acrylic paint and "pretty much anything they can buy or scrounge."

Productions also rely on such key backstage players as a lighting designer, sound designer/musician (for *Faust*, an original computergenerated score has been composed by New York/Hawai'i-based musician Tony Bergamo), a stage manager and a house manager, among others.

ennedy Theatre may be best known for lavish Asian productions, but each season reflects the wide range of its academic program, including Asian, Western, children's and dance works. "Fitting everything into the calendar is always a challenge," says Lurana O'Malley, theater historian and associate professor of theater, "but we try to balance educational value, mood (the dramatic *Faust* against the Mollière-inspired comedy *La Bête*, for example) and size to stretch theater resources."

The community helps. Part of the \$35,000 cost of staging *Faust* came from outside donations, and *The African Tragedian*, a one-man tour de force honoring African-American Shakespearean actor Ira Aldridge, was cosponsored by the UH President's Diversity and Equity Initiative. Grants and community support are critical to making Asian theater possible as well.

In the Earle Ernst Lab Theatre, where student experimental work is showcased, budgets are definitely shoestring. Primetime programs, the academic showcase for students working on a master of fine arts degree, are allotted roughly \$600 for

### **Also at Kennedy Theatre**

### Indonesian theater

Kennedy Theatre, which has earned an international reputation for its staging of Japanese kabuki and Beijing opera, introduces the unique West Sumatran theatrical form of randai, rarely performed outside of Indonesia. Umbuik Mudo and the Magic Flute combines martial arts, music, dance, acting and storytelling in a tragic love story complete with robbers and dangerous quests. Tickets go on sale Jan. 22 for

performances Feb. 2-11.

### You can have this dance

Alumni Fest features choreography by UHM alumni from across the country, including Caren Cariño, Darryl Thomas and Chris D. C. Ramos, Mar. 9–11. Doug Varone and Dancers highlights one of New York's hottest, daredevil modern dance troupes, Mar. 16–17. Spring Footholds; showcases the work of master of fine arts candidate Catherine Zahrn, May 2–6.

Drawing by Valentino Valde

costumes and construction and depend on volunteers for labor. Late Night projects, productions chosen by a student board that commence after the finale of the main-stage show, receive a \$100 stipend.

tudents are the heart and soul of everything, O'Malley emphasizes. "We try to work the curriculum together with what's happening on stage because theater can't be just theoretical, it has to be practical, too," she adds. "Often we'll have classes that offer specific training. In conjunction with this year's Asian theater presentation, *Umbuik* Mudo and the Magic Flute, guest artists from Indonesia are teaching classes in circular breathing, the *silat* martial art form and how to play specialized drums, flutes and talempong (bronze kettles)."

The department has cosponsored specialized summer courses, including staged combat, which teaches students to duel with swords and quarterstaffs, parry and thrust using sword and shield, throw fake punches and other techniques. Last summer, a master artist from Italy presented a two-week workshop on the Renaissance Comedia dell'Arte form, which relies on masks to represent exaggerated character traits. "It is the root of works by the Marx Brothers, Chaplain—all the slapstick physical-comedy stuff," explains O'Malley.

Productions and specialty classes provide experience and diversified skills, but the cornerstone of a UH theater degree is a four-semester undergraduate course called World Theatre Sequence. "It's very intense, and the students may think it's a course conjured up by the devil, but it gives them an incredible background," says O'Mally. "It's a

A playgoer's guide to Goethe

onsidered one of the greatest thinkers of the modern world—not only for his literary accomplishments, but also for his achievements in science, history and sociology—Johann Wolfgang von Goethe (1749–1832) was born in Frankfurt am Main, Germany. The son of a lawyer, Goethe practiced law and held a number of government positions in the court of Duke Karl August of Weimar, including war commissioner, director of roads and services, manager of financial affairs, general supervisor for arts and sciences and director of the court theaters. He delved into the occult, philosophy, astrology, alchemy and religious mysticism as well as chemistry, anatomy, mineralogy and geology. His interest in osteology led to his discovery of the human intermaxillary bone. During a two-year sabbatical to Italy, he immersed himself in the art, architecture and literature of ancient Greece and Rome.

Goethe spent 60 years writing Faust—which emphasizes the right and power of the individual to inquire into affairs both human and divine and to work out his own destiny. The epic poem is based on Christopher Marlowe's retelling of a legend about a disillusioned scholar who makes a pact with Satan. The real Faust, who died in 1540, was reported to have been a disreputable man who alluded to the devil as his crony and claimed to be an astrologer, magician and alchemist. A collection of exploits attributed to this Faust first appeared in Faustbuch, published in 1587.

Kennedy Theatre's production of *Faust* runs April 19–29, with Parts I and II on separate days or together in a one-day cycle.

unique course because it's teamtaught by specialists in both Western and Asian theater. Mainland universities don't offer that cross-cultural comparison."

Such dualism, in one of its many guises, is echoed throughout the *Faust* epic. "Two souls within me wrestle for possession, and neither will surrender to his brother," declares Faust in Part I. "That, for me, is the key to the staging," says

Carroll. Perhaps, for the audience on opening night, it will be the key to understanding and enjoying this literary masterpiece.

For more information on Kennedy Theatre, call 808 956-7655 v/t or visit www.hawaii.edu/theatre. Performances at Kennedy and other UH theaters appear in the calendar on the back cover of this publication.

Jennifer Crites ('90 Windward CC, '92 UHWO) is a freelance writer and photographer in Honolulu



# Scientists labor to prevent preterm birth

by Paula Gillingham Bender

hey form a sisterhood of scientists, 13 researchers, clinicians, technicians, students and nurses. Whether signing on for a single semester or a career, they collectively focus creative energies and painstaking efforts, determined to understand a health problem of particular interest to women—preterm birth.

Solving this riddle (and this team Greenwood says. has made significant headway) is no small matter. Insurance companies and health management organimanagement organical cies, and the rate is

zations could realize millions of dollars in savings. Fewer chil-

dren born prior to 37 weeks gestation would mean fewer children suffering long-term health problems and fewer families enduring the psycho-social hardships that accompany raising such children.

rising in the U.S.

Presiding over this effort is Gillian Bryant-Greenwood. The British-trained molecular endocrinologist is a professor of cell and molecular biology and director of one of the 10 programs operating under Māṇoa's Pacific Biomedical Research Center (PBRC). Her lab examines samples of fetal membranes from women who give birth prematurely at Kapi'olani Medical Center for Women and Children.

Thirty years ago, such research was unheard of. "We believed that if we understood what goes on in animals, we would understand what is happening in humans," Bryant-Greenwood says. "We now know

that it's very, very different." For one thing, no animals adequately mimic human gestation. Also, spontaneous preterm birth is

unusual, even unknown, in nonhuman species. The reasons are unclear—it could be because of our upright posture, which imposes a great mechanical challenge on the embryonic sac—but the reality is that preterm birth occurs in 11 percent of all pregnancies, and the rate is rising in the United States in spite of the emphasis on making prenatal care available to more women.

Bryant-Greenwood's group has determined that relaxin is a prime

suspect in preterm birth. Relaxin, one of many hormones involved in childbirth, relaxes the pelvic ligaments and causes cervical dilation, essential events as a woman's body prepares for birth. Because it is expressed in the cellular lining of the fetal membrane, relaxin can cause the extremely thin layers of the lining to rupture, sometimes weeks too soon for a fetus.

When that happens before 26 weeks gestation, surviving infants spend more than four months in neonatal intensive care units at an average cost of \$250,000, according to an article in the New England Journal of Medicine last August. The article, "Extremely Preterm Birth-Defining the Limits of Hope" describes a study that tracked more than 300 such babies born in the United Kingdom and Ireland. Nearly half of the babies suffered some type of disability by the time they were toddlers, and hyperactivity, learning disabilities and motor difficulties sometimes don't surface until age 5. The disabilities shown by 23 percent of the toddlers included general slowness in mental growth, seizures and difficulty walking or sitting. Other

problems included impaired sight, hearing, communication and motor skills. A quarter of the children in the study suffered severe disabilities such as paralysis and blindness.

The risk of preterm delivery is higher in unmarried women in lowincome and poor-education stratums. These are women most likely to experience inadequate prenatal care, poor nutrition, untreated illnesses and infections. Black women, more than those in any other racial group, are more likely to suffer premature deliveries. Bryant-Greenwood says these demographics make funding a challenge.

"Women have not lobbied for it, not the way they have for breast cancer research," Bryant-Greenwood explains. "Preterm birth disproportionately affects women in lower economic groups, not the high-society ladies who get out there and talk or write letters to their congressmen."

Bryant-Greenwood has found an ally in another woman—Lynnae Millar, associate professor in the UH medical school's Department of Obstetrics and Gynecology and the department's director of research. Seven years ago, Millar joined Bryant-Greenwood in investigating preterm birth.

Their research could

reduce the cost and

with preterm birth

disabilities associated

"She approached me because she wanted to collaborate with a clinician." Millar says.

"She wanted to make her research more clinically relevant, in particular working on the etiology of preterm birth." Despite mandates by the National Institutes of Health to promote women's and children's health issues, research efforts still lag in those areas. Critics suggest that drug companies focus on problems affect-

ing groups who can afford to pay for medication and that the still maledominated world of research is slow to respond to what is perceived as women's health issues. "More public awareness would help," says Millar. "There is a paucity of well-trained investigators active in this type of

research."

That could change as more young people gain the kind of education and experience that comes from working in Bryant-Greenwood's lab and pursue research

careers. She sees a key part of her role as nurturing young talent, so Bryant-Greenwood takes time from conducting and reporting on research to compose grant requests. Grants pay researchers, undergraduates and other staff members and cover the \$75,000-per-year cost of lab supplies, repairs and maintenance. Some faculty members and technicians are funded wholly or in part by the Minority Access to Research Careers and Research Centers in Minority Institutions programs of the National Institutes of Health. Bryant-Greenwood has received federal support from the National Institute of Child Health and Human Development for the past 28 years, and she and her colleagues also receive funds from PBRC, Kapi'olani Health Research Institute and the Clinical Research Center, a joint program of UH and Kapi'olani Medical Center for Women and Children.

She also encourages members of her team pursue their own grants. "I want them to become independent of me while contributing to the group as a whole," Bryant-Greenwood says. The more investigators there are pursuing health research, the better the chance of solving important health problems.

Such as the riddle of preterm birth. M

Paula Gillingham Bender ('91 Kapi'olani CC, '94 UHM) is a freelance writer in Honolulu.

### Fetal Development and Prospective Survival

**Developmental progress** 

Chance of survival outside womb and related difficulties

### **FIRST TRIMESTER**

Body segments appear Primitive external heart beats and lung buds develop First bone cells develop, body features become apparent Some organs function Lungs begin primitive breathing

None



### SECOND TRIMESTER

motion

Blood vessels develop, organs and structures form Hair grows, eyelids blink Skins loses transparency Skeleton forms rapidly Eves form, fetus can swallow Fetus reaches 1-1½ pounds

Minimal, though improving with medical advances

1 in 5 infants who do survive suffer serious disabilities, including blindness, deafness or cerebral palsy

50% survive with intensive care Disabilities are likely, including neuromotor



### THIRD TRIMESTER Surfactant forms to prepare lungs

for breathing Fetus reaches 3 pounds, can suck thumb Fat deposits are stored in preparation for birth Digestive track and lungs mature Body begins to grow plump Brain grows rapidly Lungs mature, mother's antibodies are transferred

Good with intensive care Infant remains at risk for subnormal or deficient intelligence and respiratory distress syndrome Respiratory difficulties are common Respiratory difficulties at birth but generally good long-term outcomes Excellent Full term



Illustration by Kip S. Aoki



he late 1960s was a period of intense student activism in Germany. One particularly passionate member of the movement at Berlin University had managed to offend every faculty member who could sponsor his diploma thesis in theoretical physics. So young Rolf-Peter Kudritzki turned to his department's newest professor, a man of liberal leanings and expertise in astronomy.

# All modern technology is, to some extent, an outgrowth of astronomical research

"I quickly became very interested," recalls Kudritzki, who joined UH's Institute for Astronomy (IFA) as director in October. "Astronomy offers both emotional depths and intellectual depths. Physics is very abstract; with astronomy, although you cannot touch the stars, you can still see them to a large extent."

Still passionate, Kudritzki extols astronomy's place in history and its potential for the future. What is common knowledge today—recognition that Earth is neither flat nor the center of our solar system, for example—is the result of astronomers trying to explain our universe. Nuclear energy developed out of once revolutionary

theories about what makes the sun so bright, he says. Virtually every modern technology is, to some extent, an outgrowth of astronomical research.

During the past 10 years alone, astronomers have detected planetary systems orbiting other suns, observed giant molecular clouds to study star and planet formation and peered to the outermost region of our universe for a glimpse at how galaxies formed. And that, says Kudritzki, is just the beginning. "After centuries of research, what we see is just the tip of the universe. Only 10 percent of matter is visible. Ninety percent is dark matter—it causes gravitational action, which proves that it's there, but we don't know what it is. That means there is still 90 percent to explore. It is very exciting and fundamental."

Kudritzki, who left his position as director of the Munich University Observatory and post as chair of the committee that directs German astronomical institutes to accept the UH job, is determined to make the Institute for Astronomy the leader in future explorations. "We're almost there, we just need a little more concentration and focus. A large number of the faculty have worldwide recognition in their area. The institute has enormous scientific potential because we have the unfair advantage of

Mauna Kea and Haleakalā, the best sites in the world for astronomy and excellently equipped. To fully realize that potential, we need a certain amount of resources, both manpower and budget. We will hire in the areas where we need to improve or add critical mass."

Under Kudritzki, IfA's focus will be built on two pillars—experimental astrophysics, which will include development of new telescope technologies, and pure research in cosmology, evolution of galaxies, solar physics and formation of stars and planets. The institute is developing a number of ambitious projects, applying innovative design to both the telescopes themselves and the research done on them. Part of the director's job is to pursue donor support for initiatives "in the tradition of the U.S. Mainland, where private funding helped build leading programs at Caltech and the University of California."

Educational and economic benefits follow, Kudritzki points out. "We are a research institute, but we are also a university institute. We have an enormous responsibility to provide excellent teaching, both at the graduate and undergraduate level and through outreach to the public. Give kids a telescope and they become excited about science," he says. Expanding UH's already enormous reputation for developing instruments for use with telescopes will build Hawai'i's reputation as a technology center and provide expertise in electronic and information technologies. "Ultimately, Hawai'i's most important resource is the brains of its people. There is enormous economic spin-off."

In other words, astronomy is the answer.  $^{\textcircled{M}}$ 

—by Cheryl Ernst, creative services director in University and Community Relations

For more information about the Institute for Astronomy, visit www.ifa.hawaii.edu.



he adoption of the Mauna Kea Science Master Plan by the UH Board of Regents last June marked a critical milestone in the management of the sacred mountain. Meetings and public hearings spanning a period of nearly two years went into the formulation of the document. The master plan will guide activities on Mauna Kea over the next 20 years, both on the 525-acre astronomy precinct, which is widely accepted to be the premiere astronomical viewing site in the northern hemisphere, and on 10,760 surrounding acres designated as a natural/ cultural preservation area.

Mauna Kea kuahiwi ku ha'o i ka mālie.

Mauna Kea is the astonishing mountain that stands in the calm.

—from 'Ölelo No'eau

The planning process elicited emotional discussions, reflecting the community's deeply rooted concerns over use of Mauna Kea. Issues included Hawaiian cultural and spiritual beliefs, protection of environmentally sensitive habitat and recreational use of the mountain.

"It is a good step to have this plan," comments Rolf-Peter Kudritzki, the new director of UH's Institute for Astronomy. "It is a very well balanced compromise between science on the one hand and also the tradition, culture and ecology of Mauna Kea. Elements such as restriction on placement and color of telescope facilities are OK because there is reason to do this."

UH Hilo is responsible for overseeing day-to-day management of state land leased by UH from the state Department of Land and Natural Resources. Seven Big Island residents serve as an advisory board. Arthur Hoke, president of Hawaiian Civic Clubs and a member of 'Ahahui Ku Mauna, a group that was an integral part of the Mauna Kea Master Plan process, was elected chair. Robert Pacheco, president of Hawai'i Forest and Trails and Mauna Kea Activities Association, is vice chair; and Barry Taniguchi, president of KTA Superstores, is second vice chair. Also serving are Heather Cole, of the Nature Conservancy; James Kennedy, associate director of Gemini Observatory; Barbara Robertson, principal of the Kamehameha Schools Hawai'i Campus; and Harry Yada, district land agent with the state Department of Land and Natural Resources.

In deliberating the future of the mountain, the advisory board will be

guided by a Kahu Kūpuna Council of Hawaiian cultural resource people and by the board's mission: "Achieve harmony, balance and trust in the sustainable management and stewardship of the Mauna Kea Science Reserve through community involvement and programs that protect, preserve and enhance the natural, cultural and recreational resources of Mauna Kea while providing a world-class center dedicated to education, research and astronomy."

—by Arnold Hiura, communication officer for the UH Hilo Office of Mauna Kea Management

# Mauna Kea miscellany

Mauna Kea is a volcano that last erupted 4,500 years ago; its dome reaches nearly 14,000 feet and is 30 miles across

Above the mamane forests that provided habitat for Hawaiian birds, an alpine ecosystem supports small plants, lichens, moss, ferns and insects

Three pu'u cinder cones are named for Poli'ahu, Lilinoe and Waiau, sister goddesses representing water in the form of snow, mist and lake, respectively

Sub-ice lava flows from the Pleistocene epoch formed dense rock prized by ancient Hawaiians for adzes

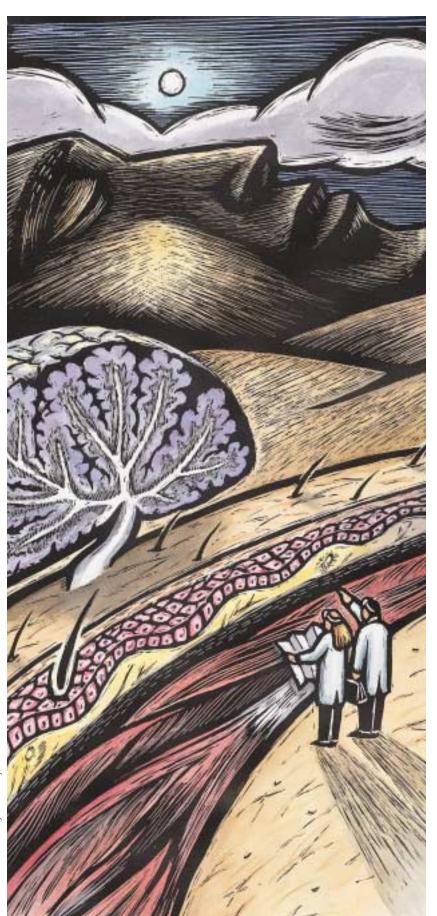
93 archaeological sites have been identified—including shrines, adz workshops and at least one burial site

During 1998, about 560 fourwheel-drive vehicles visited the summit each week; more than a third were operated by commercial tours, tourists or local visitors

Recreation includes hiking, snow play, sightseeing, stargazing and hunting

Astronomy-related activities produce an estimated \$142 million annual impact on the state economy

source: Mauna Kea Science Reserve Master Plan



# The last best gift

Willed body participants help students become doctors

by Jenny Tom

obert Wilson was a robust man. The Irish immigrant had deep-set blue eyes, brown hair and stood sixfeet-one. He had a fifth-grade education and supported his family first by working on a farm and later as a door-to-door salesman. One month before his 100th birthday, Wilson died of cancer. Too old to donate his organs, he had found another way to make a life-saving gift. By making a lasting impression on several medical students, he reasoned with quiet satisfaction, his death would save far more eyes, more hearts and more

Robert Wilson willed his body for medical education.

A decade later and thousands of miles away, grandson Andy Wilson views his grandfather's act from two perspectives. As a family member, he is proud of his grandfather's generosity. As a UH medical student, he feels a deep sense of gratitude toward

Illustration by Christine Joy Pratt

people whose selfless gift helps students learn to be doctors.

Anatomy forms the basis of medical education, says Assistant Professor Julie Rosenheimer, whose popular instruction in the structure of the human body earned her a UH Regents' Medal for Excellence in Teaching. Every student in the John A. Burns School of Medicine has the opportunity to complete several units of anatomy. First-year students work in groups of five to study a body that has been prepared to reveal muscles and organs. Later in their curriculum, they can dissect cadavers themselves. Willed bodies are also used for practicing surgery and in research.

"The Willed Body Program is incredibly important to us," says Scott Lozanoff, professor and chair of anatomy. Dissection of the human body enables students to examine structures in ways that cannot be matched by books or CD-ROM, he explains. Variation in individuals, the effects of injuries and disease, even the signs of past surgeries help students develop an intimate knowledge of the human body. Some donors write letters describing their personal or medical histories to give students a fuller picture of their lives.

### Books, lectures and computer simulations cannot match firsthand knowledge of anatomy

"People can talk about anatomy and look at a computer, but until you see the variations, you don't really understand," says medical student Nelson Franco (BS '86 Mānoa). Consider the difference between scrutinizing a topographical map and exploring an area on foot to really



Robert Wilson, pictured with his prize roses, willed his body to medicine to train future doctors. As a medical student in UH's John A. Burn's School of Medicine, grandson Andy deeply appreciates the value of such gifts.

understand the lay of the land.
"There is no replacement for using real bodies in anatomy," Franco says.

Yet the UH medical school receives far fewer body donations compared to the number willed to Mainland medical schools. Ensuring that there are enough willed bodies for anatomy classes is a challenge, Rosenheimer says. The department works with clergy from various ethnic and religious groups to assure people that willing one's body is an acceptable alternative.

There is usually no charge to families, and mortuaries take care of arrangements. Once the willed body has been fully utilized, the medical school covers the cost of cremation and will handle disposition of the ashes. Still, most donors cite charitable rather than economic motives behind their decisions. Walter and Carla Chotzen of Portlock willed their bodies to UH after their daughter, who was a UH medical student at the time, told them of the shortage of bodies to study in human anatomy class.

"We just felt that it would be a beneficial way to go and have our parts be used for UH students," says Carla Chotzen about their decision. She had no second thoughts when Walter died of pneumonia in 1998. "Why should you be rotting in the ground when you can be useful to somebody else?" she asks.

"Students realize this is a noble, altruistic act. They are really respect-

ful," says Lozanoff. It is the students, working with the medical school's Department of Anatomy, who arrange the ceremony honoring individuals like Walter Chotzen and their families. They choose music, share poetry and read testimonials in a moving memorial ceremony at the medical school. Donors' families decide how the remains are handled—ashes are either returned to the families who request them or scattered at sea by the medical students with the assistance of volunteers from local canoe clubs.

Students return to their studies with a new perspective on the gift of life. Andy Wilson, who describes healing as his calling in life, hopes to specialize in emergency medicine and work in Kona. Franco, who was born in Guam and attached to an Army medical services unit in Saudi Arabia, is considering family practice.

"No words can really express the impact, and there are no words that can express the gratitude that we have for the donors," says third-year student Janette Javier. Like the others, she is simply grateful to people who she never met but who she calls some of her best teachers.

—Jenny Tom (BA '96 Mānoa) is a public information officer in University and Community Relations and UHM master's degree candidate in communication

Interested in becoming a donor?

Contact the UH Willed Body Program by calling 808 956-5467 or e-mailing julianas@hawaii.edu. Or write to—Department of Anatomy and Reproductive Biology, John A. Burns School of Medicine, 1960 East-West Rd. T-311, Honolulu, HI 96822 Cash donations are also accepted to offset costs related to the program.

## **ALUMNI**

# Class Notes

### 2000s

Christopher Jacoby (MLIS '00 Mānoa; BA '99 West O'ahu) is an information technology specialist for IBM in San Jose, Calif.

### 1990s

Keith Amemiya (JD '91 Mānoa) is executive director of the Hawai'i High School Athletic Association. He negotiated a threeyear exclusive television and Internet broadcast rights agreement with Hawai'i Sports Network.

Joey Ancog (BA '98 Mānoa) is a community relations coordinator with the UHM School of Travel Industry Management.

David Behling (JD '95 Mānoa) has been admitted to the UH medical school.

Kelvin Chun (MEd '95, PD '83, BBA '82 Mānoa; AS '86, AS '85 Leeward CC); a teacher at Nu'uanu Elementary was named by USA Today as one of 24 outstanding teachers in the nation. Chun received \$2,500 for his school.

Riki Fujitani (JD '96 Mānoa) is vice president of the information technology division for Island Insurance. He is a director for the William S. Richardson School of Law Alumni Association.



Robert K. Fujikawa (BS '95 Månoa) is

RME, president and chief executive officer of Fujikawa Associates, doing business as Continental Mechanical of the Pacific, a plumbing, mechanical and fire protection contractor.



Edward B. Garcia (PD '92, BA '91 Mānoa) is a counselor at Lihikai Elementary on Maui and owns Eddings Etc., a party decoration husiness

Bradley Haida (BA '98 Mānoa) is a warehouse worker at Altres Staffing in Honolulu.

A. S. Hikam (PhD '95, MA '87, MA '94 Mānoa) was named a member of the Indonesian cabinet and is minister of research and technology. He is also a research associate at the Indonesian Institute of Sciences.

Bradley Hope (MD '95, BA '89 Mānoa) is a family practice attending physician and assistant clinical professor at Wahiawā General Hospital and Medical Arts Clinic. He has published on Hawaiian herbal medicine and asthma epidemiology in Hawai'i.

Anthony Jones (PhD '93 Mānoa) is a senior oceanographer with oceanUS Consulting of San Francisco. Jones returned from a two-year posting with the UN International Seabed Authority in Kingston,

Jamaica. He was named a director of the International Marine Minerals Society and serves on the program committee for the Offshore Technology Conference



Dean Kawamura (BBA '91 Mānoa; AA '89

Leeward CC) is a regional marketing coordinator at Wimberly Allison Tong and Goo, Architects, Designers and Consultants.



(BBA '95 Mānoa) is a

kindergarten teacher at Playa del Rey School in Culver City, Calif.

Bong Gyung Kim (PhD '99 Mānoa) is the Pacific regional sustainable aquaculture/fisheries extension agent in Majuro, Republic of the Marshall Islands.

Jen Kunishima (JD '99 Mānoa) is the owner of Hawai'i Doggie Bakery and Gift Shop in McCully.

Yvette La Fontaine (BA '91 Manoa; AS '90 Kapi'olani CC; AS '77 Honolulu CC) is the owner of The Costume Closet. She designed costumes for several productions at Windward CC and Chaminade University. She has also created costumes for the State Library system, Mid-Pacific School of Arts, Diamond Head Theatre Productions and other Hawai'i theaters

Jennifer MacDonald (JD '99 Mānoa) is a staff lawyer with the National Asian Pacific American Legal Consortium.

Sean McCann (PhD '90, MA '86 Mānoa) is head psychologist for the U.S. Olympic teams.

Brennon Morioka (PhD '99 Mānoa) is one of five delegates representing the U.S. at the International Young Geotechnical Engineers Conference. He is a senior geotechnical engineer for URS Corp., an engineering consulting company. Morioka also serves as chair of the Geotechnical Committee for the Hawai'i chapter of the American Society of Civil Engineers.

### Kim Murakawa

(BA '94 Mānoa) was appointed press secretary in the Office of the Governor in Hawai'i. She previously worked as a reporter with KHON Channel 2 News, Maui News, the



Honolulu Star-Bulletin and the Honolulu

Clifford Muraoka (AS '95 Honolulu CC; MA '88, BA '85 Mānoa; AA '81 Leeward CC) is an intelligence specialist for the Joint Intelligence Center Pacific and a liquor control investigator for the Honolulu Liquor Commission

Sara F. Muraoka (BBA '92 Mānoa) is marketing manager for Hawaiian Host. She is a member of Sales and Marketing Executives of Hawai'i.



Halifu Osumare (PhD '99 Mānoa)

received an honorable mention in the Ralph Henry Gabriel Dissertation Prize national competition for graduate students in American studies for her dissertation "African Aesthetics, American Culture: Hip Hop in the Global Era."

Julia Pearson (JD '96 Mānoa) joined the Qi Lin International Law Offices in Taipei.

Brad Sakamoto (MBA '97 Mānoa) is director of recruiting and human resources for Viata Online, an Internet company that is working to increase tourism and jobs in Hawai'i.

Dean Sato (MD '90, MS '86, BS '83 Mānoa) is a vascular surgeon at Straub Hospital. He was part of the Eastern Virginia Medical surgical team that performed more than two dozen endovascular repairs to gain FDA approval in 1999. Sato brought this pioneering procedure to Hawai'i when he joined Straub.

James Scullary (BA '92 Mānoa) has been named the new executive producer at KGPE television in Fresno, Calif. He previously worked in Spokane, Wash.

John Teneza (AS '91 Maui CC) is the owner of The Teneza Group, a graphic design and computer consulting firm.

Melissa Valek (BA '94 Mānoa) is director of corporation and foundation relations at St. Mary's University, San Antonio, Texas.

Barbara Wetzel (BA '92 Mānoa) is a registered nurse at Quincy United Methodist Home in Quincy, Penn.

### 1980s

Alan Araki (BBA '87 Mānoa) is a director for Prudential Real Estate Investors, which buys and sells commercial real estate as investments for public and private pension funds, in Los Angeles. Married for 10 years, he resides in Rancho Palos Verdes, Calif., and enjoys travel

Melissa H. J. Chang (BA '88 Mānoa) is the marketing director for Coldwell Banker Pacific Properties. She serves as president for the Public Relations Society of America-Hawai'i Chapter and on the Board of Directors for Central YMCA. Chang previously was an account supervisor at ProComm Public Relations.

**Leo Fermin** (EMBA '83 Manoa) is the director of International Services for San Francisco International Airport and chief financial officer of the airport's for-profit affiliate, SFO Enterprises. He recently won a 20-year concession contract for SFO Enterprises to manage and develop four international airports in Honduras. Previously, Fermin worked on airport projects in Australia, Chile, Uruquay and Peru.

Poppy Helgren (BA '84 Mānoa) is a nursing supervisor and teaches clinical nursing for the Community College of Southern Nevada.



Jim Hochberg, Jr. (JD '84, BA '80

Manoa), an attorney, is a member of the Bar of the United States Supreme Court and an officer of that court

**Elmer Ka'ai** (BS '83 Mānoa) is a legislative analyst/program manager for the Department of Hawaiian Home Lands.

**Robert Kagawa** (MD '87 Mānoa) is team doctor for the Rainbow Wahine basketball, volleyball and softball teams. He also maintains a private medical practice in Kapahulu.

**Angela Kelly-Shelby** (MS '84 Månoa) is a registered nurse practitioner at the West Florida Regional Medical Center.

**Clark Lee** (PhD '89 Mānoa) is a research biochemist for Grain Processing Corporation. He served as a lecturer for biochemistry at UHM.

**Janis Morita** (BA '86 Mānoa) is an administrative officer for the UH Sea Grant College Program.

Shawn Nakamoto (BA '85 Manoa) has

joined UH as director of public relations in the University and Community Relations office. She is a director and past president of the Public Relations Society of America's Hawai'i chapter and



received the organization's Koa Hammer Award. She is a founding member of the UHM College of Arts and Sciences Alumni Association.

Carla M. Nishimoto (JD '81 Mānoa) is a

general counsel for Praxis Corporation, a subsidiary of DataHouse. Nishimoto is a member of the Hawai'i State Bar Association, American Bar Association, Hawai'i Women



Lawyers, William S. Richardson School of Law Alumni Association and the USC General Alumni Association.

**Michael Reveal** (JD '89 Mānoa) is based in the Faroe Islands in the North Atlantic, where he and his wife are co-directors of SP/F Reveal International, a company providing international legal and business advice to Faroese businesses. His Web site is www.reveal.fo.

**Brenda Salgado** (BA '88 Mānoa) is the assignment editor at KGMB 9 News.

**Kathleen M. Salii** (BA '87 Manoa) has been appointed an associate justice of the Palau Supreme Court. She was selected from 154 local and foreign candidates and is the first Palauan woman to serve in that position. Salii earned her law degree from University of Denver. She previously served as acting attorney general.

**David E. Shaner** (PhD '80, MA '77 Mānoa) holds the Gordon Poteat Chair in Asian Studies at Furman University. A recognized scholar, editor and author, he lived in a monastery for a year. Shaner was named a Crown Prince Akihito Scholar and is a former member of the Olympic Valley Ski U.S.A. team. He has delivered invited presentations through the United States, Japan and India.

**Ted Stepp** (MA '89 Manoa) is a faculty member in the English developmental studies program at the College of the Marshall Islands in Majuro.

**Janice Stinson** (MS '85, BS '74 Manoa) is an adjunct assistant professor in the Department of Family Health Care Nursing at the University of California.

Brian Takahashi (MFA '83, BA '77 Manoa)

is a partner and cofounder of AM Partners. He is most proud of the architecture firm's recently completed design of the East Hawai'i campus of Kamehameha Schools, now under



construction in Kea'au on the Big Island.

**Damrong Thandee** (PhD '85, Mānoa) is a professor in the Department of Sociology and Anthropology, Faculty of Humanities, Ramkhamhaeng University in Bangkok, Thailand.

Mary B. Vail (BS '82 Mānoa) was invested

as a Dame of Grace in the Order of St. George for her ongoing support of numerous charities and foundations in the country and abroad. Vail also received the Humanitarian Award



from the Las Vegas Chamber of Commerce for work on behalf of charities and nonprofit groups. Vail operates her own publicity company, Mary Vail Publicity, Las Vegas, Nev.

### 1970s

**Gene L. Awakuni** (BA '76 Mānoa) is vice president of student services at Columbia University in New York. He was formerly the vice president for student affairs at California State Polytechnic University in Pomona, Calif.

**Jerry Chang** (BA '78 Hilo) is a representative in the Hawai'i House of Representatives.

Shari Chang (BA '72 Mānoa) is a senior vice

president of sales and marketing for Aloha Airlines. *Travel Agent Magazine* named her annually to its "Top 100 Most Powerful Women in the Industry" list since 1996. She is an active



community and travel industry executive who volunteers her time to numerous trade association committees.

**Sheila Chuang** (BBA '76 Mānoa) is Asia Pacific treasurer for Exxon Mobile Corporation in Singapore.

Michael M. S. Chun (BFA '72 Mānoa) is

vice chairman of Wimberly Allison Tong and Goo. Chun is a member of the American Institute of Architects, the International Society of Hospitality Consultants and La Asociacion



Mexicana de Arquitectos en Tourismo y Recreacion.

**Adriane de Savorgnani** (MPH '74 Mānoa) is a captain/commanding officer with the U.S. Naval Medical Clinics, U.K.

**Phil Kinnicutt** (MBA '79 Mānoa) is director of college relations at the UHM College of Business Administration.

Limin Kung, Jr. (MS '78, BS '76 Mānoa) received the 1999 Pioneer Hi-bred Forage award at the American Dairy Science Association meeting. He is a professor in the Department of Animal



and Food Science at the University of Delaware.

Charles Lau (BFA '77 Mānoa) this year cele-

brates the 15-year anniversary of his architecture company, AM Partners, which he founded to help a friend with a project in China. Now the third largest firm in Hawai'i, AM Partners continues



to work in Hawai'i and in China and has expanded to the U.S. Mainland, particularly Los Angeles and Las Vegas.

**Roberta Wong Leung** (BS '70 Mānoa) is a hotel manager at the Lodge at Kō'ele.

Matt A. Lieber ('76 AS Mānoa) is a registered nurse and president of Med-Legal, a Los Angeles medical litigation support consulting firm. He has worked in the medical-legal field since 1980. He is a dedicated sailor (he crossed the Atlantic on a 31-foot sailboat in 1981) and the father of twin 8-year-old boys.

**Terry Z. Martin** (PhD '75 Mānoa), the first PhD recipient in astronomy at Mānoa, conducts research on the Mars atmosphere at the Jet Propulsion Laboratory in Pasadena, Calif.

**Paulette Miller** (MLS '74 Månoa) is head librarian at West Potomac High School in Alexandria, Va.

**Amy Monk** (BA '76 Mānoa) is a foreign service officer for the Department of State in Washington D.C.

**Steven Lee Montgomery** (MS '72 Manoa) is the western Pacific regional director for the National Wildlife Federation. He is also active with the Conservation Council for Hawai'i.

**Phyllis Nakasuji** (BS '70 Mānoa) received the 1999 Milken Family Foundation National Educator Award and is a teacher at Kalani High School.

**Sharon Narimatsu** (MA '75, BA '67 Mānoa) has been named deputy director of the state Department of Business, Economic Development and Tourism in Hawai'i. Active in civic affairs, she was a UH faculty member and administrator for 20 years, including a stint as provost of Leeward CC, and served as city information director during the administration of Honolulu Mayor Eileen Anderson.

**Richard Rucci** (BA '70 Mānoa) is a secondary school/coordinating principal at St. Maur International School in Yokohama, Japan.

Patrick "Packy" Ryan (BA '77 Manoa) is a manager for the International HR Group and associate senior economist in the Economic Research Institute Corporate Strategies Department for Marubeni Corporation in Tokyo.

**Wesley Segawa** (MSW '75 Mānoa) was elected to a third term as chair of the state Housing and Community Development Corporation of Hawai'i.

Floyd Takeuchi (MA '77 Mānoa) was named Journalist of the Year for 2000 by the U.S. Small Business Administration. He is editor and publisher of *Hawai'i Business* and *Discover Magazine*, publisher of the *Hawai'i Golf Guide*, group editor and publisher of *Pacific Magazine*, and vice president of Pacific Basin Communications. Takeuchi serves on the boards of the Pacific and Asian Affairs Council and Mid-Pacific Institute.

**John Tomoso** (MSW '77 Manoa) was named administrator of the Maui County Office on Aging in November. He is a past president of the UH Alumni Association–Maui chapter.

William E. Zepp (MA '74 Manoa) joined the Oregon Dental Association as executive director.

### 1960s

**Tom Bean** (BA '69 Mānoa) is a professor of reading/literacy at the University of Nevada at Las Vegas. He received the Distinguished Researcher Award in 1999.

**Daphne Roberts Bell** (MSW '63 Mānoa) has worked as a social worker and community development adviser and in funding administration. She edited *Ethnic New Zealand*: *Towards Cultural Understanding* and wrote *The Grantseeker's Guide to Successful Funding Applications*. Bell attended UH as an East-West Center grantee from New Zealand.

**Melvin Chiogioji** (MBA '69 Månoa) is president and chief executive officer of Mele Associates.

**Lawrence Y. Fu** (MA '66 Mānoa) has been promoted to professor of economics and business administration at Illinois College. Fu received his PhD from University of Rochester and joined the Illinois College faculty in 1989.

**James R. Halm** (BA '68 Mānoa) is president of GGSS Foundation in Corte Madera, Calif.

**Tim Hudak** ('69 Manoa) has written two books exploring the local history of Cleveland, where he works in the retail industry. Wildcats! A History of the St. Ignatius High School Football Team is about a Cleveland high school that has won eight state and three national football championships since 1988. He is now working on a history of Cleveland high school football from 1890.

**Gary Kai** (BA '69 Mānoa) is president and chief executive officer of HomeStreet Bank.

**Richard G. Luthy** (MS '69 Mānoa) was inducted into the National Academy of Engineering. He is the Thomas Lord Professor of Environmental Engineering at Carnegie Mellon University in Pittsburgh.

Susan Matsushima (BEd '63 Mānoa) is chair-elect of the Western Sustainable Agriculture Research and Education program, a research and training grants program administered by the U.S. Department of Agriculture. Matsushima owns Alluvion Inc., an O'ahu nursery that markets 500 plant varieties to retailers and individual customers worldwide, and works with school programs to teach children about agriculture techniques that are both sustainable and profitable—activities that earned her a nomination for the National Small Business Administration's

Entrepreneur of the Year award.

**Glenn Miyataki** (BA '65 Mānoa) is an associate dean in the College of Business Administration at UHM and president of JAIMS.

**Bill Olds** (BA '63 Mānoa) is general manager of Rancho Mirage Country Club in California.

**Andrew Rosenau** (MS '69, BS '68 Mānoa) is a supervisory biologist for the U.S. Army Corps of Engineers in Albuquerque, N.M. He and his wife **Toshiko Rosenau** (MS '73, BS '70 Mānoa), have two children, Naomi and Robin.

**Ronald Watanabe** (BEd '63 Mānoa) is president of Ron Watanabe and Associates. He has two children, **Brian** (BBA '97 Mānoa) and Lynn.

**Estelle Wong** ( MEd '68, BEd '66 Mānoa) received the 1999 Milken Family Foundation National Educator Award and is a principal at Olomana School.

Charles J. Wyse (BFA '69 Mānoa) is an

associate in Wimberly Allison Tong & Goo Architects, Designers and Consultants. Since joining the firm in 1990, Wyse served as project manager for The Palace of the Lost City in South Africa,



Belle Bay Casino in the Philippines, Enchanted Oasis in Saudi Arabia and The Grand Mansion at MGM in Las Vegas.

### 1950s

**Kane Fernandez** (BBA '58 Mānoa) is president of Fernandez Entertainment.

**Satoru Izutsu** (BA '50 Mānoa) retired as associate dean of the UHM School of Medicine and professor of psychology.

### 1940s

David Hyun (BS '40 Mānoa), a UH Distinguished Alumnus, played the leading role of the transient in the film Shoes. Hyun is also a published writer and photographer.



Send Class Notes information to ur@hawaii.edu or Mālamalama, BA 2, 2444 Dole St., Honolulu HI 96822. Please include the campus(es) you attended and year(s) you graduated.

# Profiles

Jonathan Lyau
A sole purpose

e may be the most consistent runner in Hawai'i—winner of the 1994 Great Aloha Run and contender for an unprecedented eighth win of the Honolulu Marathon's Kamaʻāina Award for the first local-born finisher living in Hawai'i. Still, Jonathan Lyau's passion for his sport goes beyond his own performance.

Now 36 and vice president of A. C. Lyau Company, a candy wholesale distributor, Lyau began running and racing while he was a business management major at UH Mānoa. He runs an average of 60 miles a week in the offseason, logging as much as 90 miles a week when training for a marathon.

In addition, Lyau is a trainer for the Leukemia and Lymphoma Society's Team in Training program. The program matches participants with patients. "We train people to finish a marathon, and in return, they raise money for the society," says Lyau. "Seeing what some of these patients have to go through on a daily basis really

motivates the participants to keep up with their training to reach their marathon goal."

Team in Training is the society's most successful fundraising project. Last year, the Hawai'i team raised \$125,000 while training for the Honolulu Marathon.

Lyau coaches more than 40 athletes through Team in Training. Margie Smith ('74 Mānoa), a former UH librarian, joined Team in Training in 1997 with her husband. The Smiths lost their daughter, Patty, to non-Hodgkin's lymphoma, a type of blood cancer related to leukemia. "People feel so powerless and helpless when loved ones are afflicted. By joining Team in Training they feel they are really doing something to help," she said. Before training with Lyau, Smith didn't consider herself a real runner; she just wanted to finish a marathon. The 61-year-old continues to enjoy running. Her husband, Kit, also trained under Lyau's guidance. He recently ran a marathon in a little over three and a half hours.

Lyau recently started another training group, Personal Best Training, a smaller group of runners with more spe-

cific goals in mind. "It's a more detailed running program tailored to each person's individual goals," he says. Participants call him an inspiration.

537-2074.

Nothing is better than seeing others improve

"Jonathan is very supportive of my running goals. He has a wealth of knowledge that he's willing to share," says Scot Kuwaye (BA '92 Mānoa). Kuwaye, a claims representative for Progressive Insurance Company, met Lyau in 1994. He had run marathons before, but Personal Best Training helped him slash nearly an hour off his marathon time.

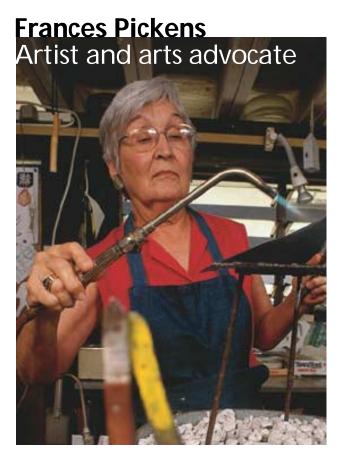
Lyau's immediate goal is to continue coaching and competing. He hopes to someday run a marathon in under 2 hours and 30 minutes. His personal best is 2:32. Winning is nice, he says, but nothing is better than seeing others improve. "It doesn't mean they have to run fast. Seeing someone reach his or her goal is a good feeling. To see people become more confident about themselves by getting more physically fit and adopting a healthier lifestyle inspires me."

For information about the Leukemia and Lymphoma Society's Team in Training program, visit www.lsa-teamintraining.org or call 808 534-1222. For Personal Best Training, go to

www.bestplacesonline.com/personalbest or call 808

—by Stacy Yuen Hernandez, a Honolulu freelance

# Profiles



n the workbench sits a piece of metalwork that resembles an early Hawaiian artifact, its elegance giving off an age-defying luster. There is a certain ambiguity. It is contemporary and yet primitive. Is it a modern piece or an antiquity frozen for eternity in precious metal?

It takes an interesting person to make interesting art. Frances Pickens (MEd '76 Mānoa) fits that bill. She has studied with noted artists, competed in international exhibitions, received awards and had work showcased in prominent museums, including the Renwick Gallery at the Smithsonian National Museum of American Art. Beyond the artistry, she's a resolute advocate for the metal arts in Hawai'i.

Pickens first created art at college, originally working in plastics. Her early works were mostly utilitarian designs, like salt and pepper shakers, boxes and bowls. Two professors at North Texas State Teachers College (now the University of North Texas School of Visual Arts) challenged Pickens to improve her artistic abilities and

exhibit her work. After graduating in 1947 with a double major in art and education, she taught art in Dallas and exhibited her work at the Dallas Museum of Fine Arts. She taught classes at the museum, passing her knowledge

classes at the museum, passing her knowledge and love of art on to others, and completed a masters degree in design and art history. She also met and later married a fellow graduate student who remains her best critic and design consultant. An art education professor at the UH College of Education for over 25 years, Alexander Pickens serves as special assistant to the dean for development and alumni affairs. Like his wife of 45 years, he is a strong advocate for the arts in Hawai'i.

"Alex encourages my development as an artist. He has always believed in me," Pickens says. Also influential was a Dallas metalsmith, who introduced Pickens to working with metals, primarily silver. She responded to the technical challenges and was excited by the possibilities of metalwork.

In Honolulu, Pickens taught at the Honolulu Academy of Art and Kamehameha Schools, where she headed the art department for 20 years. During holidays and summers, she worked on her craft, discovering that the only limit to jewelry-making was imagination. She decided to fine-tune her skills and pursue one or two juried exhibitions a year. Kamehameha Schools assisted in her development. "I took two sabbaticals to go back to school, where I concentrated on various forms of metal-smithing," she says.

Pickens attended UH Mānoa intermittently, studying and writing about how to teach metalworking. She received her masters in education with a concentration in arts instruction in 1976. Nine years later, she retired early from Kamehameha Schools to spend more time creating

jewelry and metalwork. She also devoted time to Hawai'i Craftsmen, an arts organization she had helped create in 1968 to develop a formal showcase for artists.

"Back then, galleries usually only exhibited visual arts such as paintings Pickens captures images from nature and cultural motifs in precious metal. A retrospective of her work opens this month at Honolulu Academy of Arts.

and sculpture. There was no formal exhibition for fine crafts like jewelry, metalwork, ceramics and glass that you see today. It was important that we raise public awareness of art forms that didn't have a venue before," Pickens says. Among the visiting artists Hawai'i Craftsmen has

brought to the islands are Korean-born artist and professor Komelia Hongja Okim and Northwest glass artist Dale Chihuly.

Pickens' heart is clearly in sharing her passion for art. She reflects images from nature and presents vital cultural motifs transformed and integrated in subtle and sophisticated ways. Inspired by the drapery of maile in a kukuna o ka lā (rays of the sun) lei, for example, she created an intricate piece of metal art in sterling silver and gold plate. Her work evokes innate beginnings, ceremony and primitive beauty preserved forever in precious metal.

On January 31, Pickens will open a retrospective exhibit at the Honolulu Academy of Arts entitled Metal Arts, Transforming the Ordinary. It will feature selected Pickens pieces from exhibitions over the last 40 years.

—by Anne McAtee Bocci, a marketing assistant in University and Community Relations

### Pickens on art

avorite metal artist: "Albert Paley—the
 top metalsmith probably in the world and my professor one summer at the School of

American Craftsmen at Rochester Institute of Technology in New York."

### Source of ideas:

"Natural forms in nature, like sea shells, trees and textures, and the ancient designs of early Polynesian artifacts and body ornaments. Also, the nature of the metal itself, and how it can be manipulated in form."

**Influences:** "Graphic designs of Hawaiian and Pacific cultures, including early geometric patterns from tapas, bamboo stamps, gourds and tattoos. As an artist, I'm translating those early perishable designs to metal so that they will last longer."

**Current project:** "A neck piece inspired from ancient tapa motifs."

**Philosophy:** "I like small-scale work with the focus on detail. It's the lure of exploring the properties of the materials. I enjoy intensive exploration of the various elements within the design framework of my jewelry and metal work."

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# Alumni Chapters

### Use 808 area code unless otherwise indicated

### Campus

### Hawai'i CC

Robert Yamane ('81), 974-7338

### Honolulu CC

Tana Lee Rebhan-Kang, hccalumni@hcc.hawaii. edu

### Kaua'i CC

Alton Amimoto ('80, '83), 246-3357

### **UH Hilo**

David Almond, 974-7393

### UH West Oʻahu

Burma Lee, 625-3906

### **UHM programs**

### **Architecture**

Kay Kaneshiro ('97), 621-0657

### Arts and Sciences

Grant Yoshikami ('75), 528-7823

### Business Administration

Rachel Nakooka, 836-0008

### Dental Hygiene

Susan Tengan ('66), 832-5700

### Education

Charles Araki, 988-6048

### **Engineering**

Terilyn Shibata, 531-1676

### English as a Second Language

M. Gay Conklin ('91), 524-2494

### Journalism

Sharon Ishida, 956-6881

### Law

Carolyn Oshiro, 522-5133

### Library and Information Studies

Zoe Stewart-Marshall, 956-2747

### Medicine

Patricia Blanchette ('72, '74, '79), 523-8461

### Nursing

Open to all UH-system nursing programs. Ruth Honda, 537-7289

### **Public Health**

William E. Woods, 537-2000

### **Social Work**

Pua Iuli ('86, '88), 485-4548

### Travel Industry Management

Joey Ancog, 956-4885

### Tropical Agriculture

and Human Resources

Joanne Arakaki, 536-7234

### Region

### **UHAA Arizona**

Joseph Topasna ('87), 1 800 778-1884 x 50006

### Beijing

Yu Jaifu, 011-86-10-307-4772

### East

Judy Ott ('75), 212 777-2982

### UHAA/EWCA-Florida Chapter

Edward Schwerin, 954 236-1132

### Hong Kong

Kenneth Lo ('85), 011-852-396-9141

### Las Vegas/Southern Nevada

Phyllis Matsuda, 702 255-994

### Los Angeles/Orange County

Jeff Rowe ('71), 714 953-2224

### UHAA Greater Midwest Region

Pili Richardson, 312 886-9754 x2153

### Maui

Alvin Tagomori, 984-3268

### National Capital Region

Patrick Hiu, 703 415-0344

### **Pacific Northwest**

Warren Kuwahara ('79), 425 337-3396 warrenmk@aol.com

### San Diego

Jeffrey Wandtke ('86), 760 436-4484

### San Francisco Bay

Kathleen Menifee ('64), 408 739-5579

### Campus life

### Army ROTC

Ed Gayagas, 486-2153

### Ke Ånuenue

Lorraine Kaina ('51, '64), 531-6123

### NICE

Reggie Hashimoto ('85) 011-81-47-988-7005

### Te Chih Sheh

Bertha Leong ('53, '56), 586-6510

### **UH Founders**

Hubert Everly ('37, '38, '39), 537-2073

### Under Construction Georgia/Atlanta

Carolyn Wilson ('90), 404 239-0106

# Profiles



ike many college friends, Kurt Osaki, right, and Craig Hirasaki found that their paths diverged after graduation. One moved to the mainland; one stayed in Hawai'i. One has received national attention; the other is more low key. Both remain loyal to the University of Hawai'i at Mānoa, however, and both are philosophical about the comments generated by the new logo they designed for their alma mater's athletic program.

Critics and fans alike weighed in after the July 27 unveiling of the tapa-inspired H. *Pacific Business News* newspaper chastised the athletic director and head football coach: "The public outcry again was predictable. Yoshida and Jones may know sports, but they have a lot to learn about marketing and image." *Hawai'i Business* magazine examined the economics and proclaimed: "Whatever fans feel about the aesthetics or politics of the University of Hawai'i's old logo, one thing is sure: The rainbow was a loser." For weeks, a legion of letter writers registered their feelings (second highest volume in *Star-Bulletin* history), more anguished at the thought of losing the Rainbow name than the symbol itself. (In fact, UHM teams can still opt to be the Rainbow Warriors or

### Save the Date!

The UH Alumni Association Life Member Luncheon is scheduled March 16, time and place to be announced. Watch for details in the February *Nā Leo Makamaka* newsletter. For information on the benefits of life membership, call 808 956-ALUM (2586) or e-mail alumnews@hawaii.edu. To join, use the application form on page 25.

Rainbow Wahine.) On the other hand, items bearing the new logo sold briskly during the months following its release and logo apparel was prominent among the crowds at sporting events.

Osaki sees all the comments as positive. "It's good to know that we're making an impact," he says. "People are talking about the logo, and that's what we want, to generate discussion." His Berkeley, Calif., based company, Osaki Design, has created logos and uniforms for professional teams across the nation, so he knows how attached sports fans get to specific designs.

Even Hirasaki, who continues to live where comments on the logo were most heated, is upbeat. "The

overall reaction was very positive," he concludes, citing feedback calling the design bold, strong and memorable. "Most of the UH sports fans were excited about the change. There were some who admitted they were not 'totally sold on the logo,' but after seeing it in application, they began see

After seeing it in application, people began to see the strength and beauty of the mark and logotype

—Craig Hirasaki

the strength and beauty of the mark and logotype."

Both designers received a bachelor of fine arts from Mānoa in 1989. They've stayed in touch over the years, collaborating on a variety of projects. Being UH alumni added interest—and importance—to this project. "Because this is our alma mater, and we love our University of Hawai'i teams, you put a little more pressure on yourself to do a great job," says Hirasaki, a Honolulu native and president of Hirasaki Nakagawa Design.

Osaki grew up on Kaua'i and graduated from Kapa'a High School. After UH, he studied at the Art Center College of Design in Pasadena, Calif., earning a degree in graphic design and packaging. He's left his mark. Osaki's National Football League clients include the San Francisco 49ers, Tampa Bay Buccaneers, Baltimore Ravens and the New York Jets. He also designed the logos and uniforms for the National Hockey League All-Star games in Vancouver, Tampa Bay and Toronto and been involved with logo development for the NFL Pro-Bowl.

Osaki says one of his UH professors, Clem Lagundimao, gave him confidence. "Before I left for California, I went to his office. I sat there, and he looked at me and said, 'I know what you're thinking. You're scared. You think you're not going to be able to compete. Just go,'" Osaki recalls. "It made me feel good. He experienced the same thing. We think we're so isolated in Hawai'i, but we can compete with anyone. There are a lot of talented people here."

For his part, Hirasaki credits Osaki's knowledge and experience with surmounting and smoothing out potential problems. "Most of the challenges we encountered were typical to any project that involves a redo of an existing identity—a lot of research, interviews, layouts, making design decisions. It's an evolutionary process," he says.

"I really thought it should represent Hawai'i," Osaki says. "I live in Berkeley, and Cal [the University of California, Berkeley] represents just Berkeley. UH represents the state, and we should be proud of that."

The new athletic logo isn't Osaki's only tie to his former home. In 1999, he organized a Hawai'i Chamber of Commerce in Northern California (HCCNC) tailgate party that brought about 3,000 UH fans to the football game against San Jose State. The nonprofit HCCNC encourages networking among Northern California businesspeople with Hawai'i ties. Osaki is vice president.

Wherever he goes, Osaki finds people are intrigued with his island background. "Other people want to be like us. They want to be laid-back. They want to wear aloha shirts. I'm sitting in the NFL offices. They know I'm from Hawai'i. I say 'Aloha!' and people love that."

Hawai'i is truly special, he says. "Even when you [leave and] come back, people will always be there for you. Nowhere else do you get that kind of support. I hope we can educate future generations and pass that on." "

—by Heidi Sakuma, a UHM journalism major who works in Sports Media Relations and interned in University and Community Relations

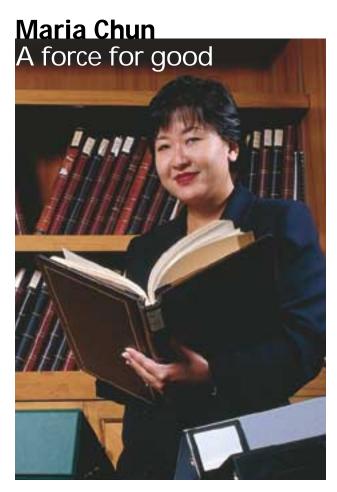
### **UH Olympians are winners**

wo UH alumni won silver medals at the Summer Olympics in Sydney—Maureen O'Toole ('81-'85 Mānoa) as a member of the U.S.A. women's water polo team and Brooke Wilkins ('93-'95 Mānoa) as part of Australia's softball team.

Nine other alumni were among the athletes competing in the games. Representing the United States were Robyn Ah Mow ('93–'96 Mānoa) and Heather Bown ('98–'99 Mānoa) placing 4th in women's volleyball, and John Myrdall ('89–'94 Mānoa) finishing 12th in sailing. Competing for other countries were Canadians Marie-Luc Arpin ('98 Mānoa) on the 5th-place women's water polo team and Kristy Odamura ('96–'99 Mānoa) on the 8th-place softball squad; Austria's Nikolas Berger ('94–'95), who made it to the 16th round in men's beach volleyball; and New Zealander Tania Brunton ('94–'96 Mānoa) on the 11th-place women's basketball team.

Also competing were current UH swimmers Renate DuPlessis, Nick Folker and Simon Thirsk for South Africa and Matt Kwock for Hong Kong.

# Profiles



ince she received her doctorate in psychology in 1996, Maria Chun has looked for things that trouble society and ways to fix them. "Anytime you have to deal with people, organizations and systems, community psychology training is a major asset," she says.

Chun was the first PhD recipient to complete the community and culture concentration, one of 10 areas of specialization offered by the UHM Department of Psychology. Being first created some initial discomfort. "I used to feel guilty for calling myself a psychologist, thinking people would accuse me of not practicing. Now I know that I am practicing psychology every day I am on the job."

Her outlook made her an ideal candidate to run Lt. Gov. Mazie Hirono's "Slice Waste and Tape," or SWAT, program. For the past year, Chun and her staff have worked with each of the state's 20 agencies to go over every regulation with a fine-tooth comb. Their goal: re-

duce the burden of state regulation on businesses, the general public and on the state itself. "Starting from page one, rule one would not have been efficient," Chun says. "Instead we put our focus on priority areas and those that presented problems for the public, Legislature and state departments."

Thanks to SWAT, the Public Utilities Commission started a Web site and encourages inquiries via e-mail to improve public access. The Department of Land and Natural Resources' Division of Boating and Ocean Recreation has reduced 200 pages of administrative rules to 50. At UH, Board of Regents staff determined that 10 chapters of rules could be repealed or amended. Chun helped Department of

Commerce and Consumer Affairs Licensing Administrator Noe Noe Tom and her staff identify decades-old real estate rules that were obsolete or could be deregulated.

"My working group had a lot of questions regarding policy," Tom says. "Maria brought very clear implementation and The first graduate in community psychology is slicing red tape

direction to us. When we needed feedback from her office, she came to see us. She was very responsive and supportive. Through her, we now have SWAT bills designed to help with deregulation and make licensing more reasonable."

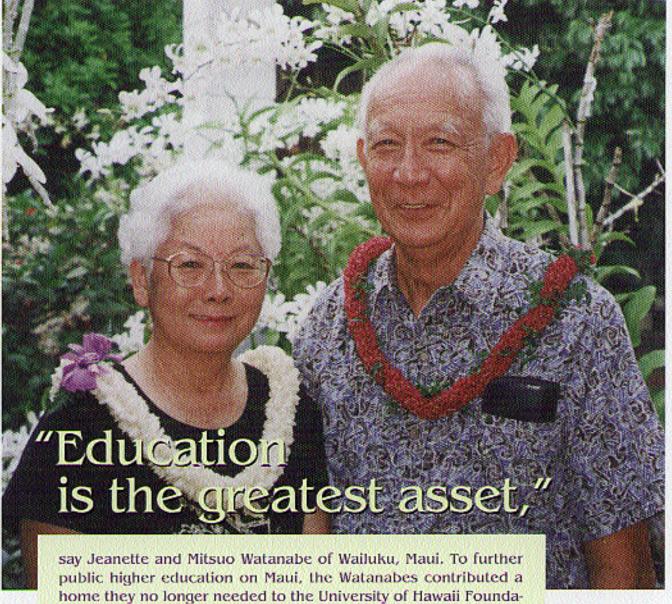
By the time the Cayetano administration ends on Dec. 2, 2002, Chun will have worked her way through all of Hawai'i's administrative rules and out of a job. That's the nature of the position—and the nature of Chun. For her, job security is less important than the opportunity to be a behind-the-scenes dynamic force for good. Her past positions include budget analyst for the Senate Committee on Ways and Means and senior research analyst for State Auditor Marion Higa.

Recalls UHM Professor of Psychology Anthony J. Marsella, Chun's dissertation supervisor, "I was taken with the purity and focus of Maria's dissertation work on multiculturalism in Hawai'i schools." He says it was clear that she would end up in a public service capacity where she could make a difference and speak out on behalf of Hawai'i's people.

"Maria is confident without being cocky, committed without being zealous and determined without being offensive," Marsella says. "She is the consummate civil servant and I am glad she is on our side." M

Paula Gillingham Bender ('91 Kapi'olani CC, '94 UHM) is a freelance writer in Honolulu





say Jeanette and Mitsuo Watanabe of Wailuku, Maui. To further public higher education on Maui, the Watanabes contributed a home they no longer needed to the University of Hawaii Foundation, in exchange for an annuity for life. Deferrral of the annuity for one year allowed the Foundation to sell the home and invest the proceeds to provide payments to the Watanabes. Eventually the remaining annuity principal will establish the Jeanette and Mitsuo Watanabe General Endowment Fund, for the greatest needs of Maui Community College. The Watanabes used part of the income to purchase a life insurance policy. When the policy is realized, it will go to their children as a replacement for the asset they gave away. Income and tax benefits were helpful, but not their primary motivation. "We are happy about the gift," they said. "Everyone deserves a chance for a good education."



If you want to learn more about how gift planning can help you achieve your charitable and financial goals, please contact the Office of Planned Giving at (808) 956-8034, or by e-mail to giftplanning@uhf.hawaii.edu.

# arts etc.



### Exhibition

Through Transformations: Korean Masks from the
Feb 27 Ryun Namkoong Collection (John Young
Museum, Krauss Hall, 808 956-8866 or
www.outreach.hawaii.edu/JYMuseum)

### Lectures and Symposia

Jan 8 The Name of the Rose: Convergence of Indigenous Knowledge Systems with Western Taxonomy, by Paul Cox (UHM Department of Botany, 808 956-7858)
 Jan 19 Free Your Creative Spirit, insights by Robert Dvorak (UHM Outreach College, 808 956-3836 or www.outreach.hawaii.edu)

Feb 9 Deep Sea Exploration, by author and oceanographer Robert Ballard (UHM Distinguished Lecture Series, 808 956-9405 or www.hawaii.edu/dls)

Apr 4 Geographical Knowledges and Global Governance, by
Johns Hopkins University geographer David Harvey (UHM
Distinguished Lecture Series and Department of Urban and
Regional Planning, 808 956-9405 or www.hawaii.edu/dls)

Apr 5–7 Technology, Innovation and Entrepeneurial Design Practice: New Paradigms for a Changing Global Economy, Fourth International Symposium on Asia Pacific Architecture, (UHM School of Architecture, 808 956-7084 or http://web1.arch.hawaii.edu)

### Performances

Jan 11 The Baltimore Consort, traditional ballads and dance tunes (UHM Outreach College, 808 956-6878 or www.outreach.hawaii.edu)

Jan 12 The Baltimore Consort (Kaua'i CC Performing Arts Center, 808 245-SING)

Jan 13–14 Jim Gamble and his Puppets (UHM Earle Ernst Lab Theatre, 808 956-7655 v/t or theatre@hawaii.edu)

Jan 22 Kaua'i CC Chamber Players Concert (Performing Arts Center, 808 245-8270)

Jan 20 American Indian Dance Theatre (Leeward CC Theatre, 808 455-0385 or http://LCCTheatre.hawaii.edu)

Jan 27 Smuin Ballets SF, directed by Tony and Emmy Award winning choreographer Michael Smuin (Leeward CC Theatre, 808 455-0385 or http://LCCTheatre.hawaii.edu)

Feb 1 Juilliard String Quartet (UHM Outreach College and Department of Music, Orvis Auditorium, 808 956-8246 or www.outreach.hawaii.edu)

**Feb 2–11** *Umbuik Mudo and the Magic Flute* (UHM Kennedy Theatre, 808 956-7655 v/t or theatre@hawaii.edu)

Feb 19 Hawai'i Youth Symphony (Kaua'i Performing Arts Center, 808 245-8270)

Feb 21–25 Pharaoh's Daughters (UHM Earle Ernst Lab Theatre, 808 956-7655 v/t or theatre@hawaii.edu)

Feb 24 St. Petersburg String Quartet (UHM Outreach College and Department of Music, Orvis Auditorium, 808 956-8246 or www.outreach.hawaii.edu)

Mar 3 Keola Beamer in Concert (Kaua'i CC Performing Arts Center, 808 245-8270)

Mar 10 San Francisco Opera Singers (Kaua'i CC and the Kaua'i Concert Association, Performing Arts Center, 808 245-8270)

Mar 9-11 Annual Dance Concert (UHM Kennedy Theatre, 808 956-7655 v/t or theatre@hawaii.edu)

Mar 16-17 Doug Varone and Dancers (UHM Theatre and Dance and Outreach College, Kennedy Theatre, 808 956-7655 v/t or theatre@hawaii.edu)

Mar 23 Kaua'i Concert Association presents Cincinnati Precussion Group (Kaua'i CC Performing Arts Center, 808 245-SING)

Mar 31 Bailes de Jose in an evening of Filipino music and dance (Kaua'i CC Performing Arts Center, 808 245-8270)

Apr 19–27 Faust I and II, Goethe's huge dramatic poem (UHM Kennedy Theatre, 808 956-7655 v/t or theatre@hawaii.edu)

Apr 20 New York Chamber Soloists with Melvin Kaplan on oboe (UHM Outreach College and Department of Music, 808 956-8246 or www.outreach.hawaii.edu)

Apr 27 Kaua'i Concert Association presents Robert Nakea, pianist (Kaua'i CC Performing Arts Center, 808 245-SING)

May 2 Natalie MacMaster, fiddler (Outreach College, UHM Andrews Outdoor Theatre, 808 956-6878 or www.outreach.hawaii.edu)

May 2-6 Spring Footholds (UHM Earle Ernst Lab Theatre, 808 956-7655 v/t or theatre@hawaii.edu)

May 4 Kaua'i CC Orchestra Spring Concert (Performing Arts Center, 808 245-6624)

May 11 Kaua'i CC Band Spring Concert (Performing Arts Center, 808 245-6624)

May 19 Kaua'i Chorale Spring Concert (Kaua'i CC Performing Arts Center, 808 332-8890)

June 17 Hawai'i Guitar Festival featuring Gene Bertoncini, Antigoni Goni and Lyle Ritz (Outreach College, Kaua'i CC Performing Arts Center, 808 245-8270)

### Misc

Feb 18 Kaua'i CC Annual Booksale (Performing Arts Center, 808 245-8270)

