

**Executive Editor**

Joanne E. Clark

**Editor**

Cheryl Ernst

**Art Director**

Rowen Tabusa

**Photographer**

Bob Chinn

**Assistant Editor**

Tracy Matsushima

**Alumni Editor**

Mona K. O. Chock

**University of Hawai‘i President**

Evan S. Dobelle

**Board of Regents**

Billy Bergin  
Everett R. Dowling  
Allan K. Ikawa  
Charles K. Kawakami  
Bert A. Kobayashi  
Duane Kurisu  
Patricia Y. Lee  
Ah Quon McElrath  
Walter Nunokawa  
Capsun M. Poe  
Kathleen K. S. L. Thurston  
Sharon R. Weiner

*Mālamalama* is published twice yearly by External Affairs and University Relations at the University of Hawai‘i, Bachman 109H, 2444 Dole St., Honolulu, HI 96822. UH is an equal opportunity/affirmative action institution. This publication is available in alternate form for people with print disabilities.

**Address correction?** Contact UH Foundation—*Mālamalama*, P. O. Box 11270, Honolulu, HI 96828-0270; phone 808 956-8829; or e-mail [sharlene.kaya@uhf.hawaii.edu](mailto:sharlene.kaya@uhf.hawaii.edu).

**Online subscription?** To receive the magazine electronically, e-mail [ur@hawaii.edu](mailto:ur@hawaii.edu) with “subscribe” in the subject line. Please include your name and address in the message.

**Comment or story idea?** Contact Cheryl Ernst, 1627 Bachman Place BA2, Honolulu, HI 96822 or e-mail [ur@hawaii.edu](mailto:ur@hawaii.edu).

**Want to advertise?** For information on our competitive rates and alumni discounts, call 808 956-8856 or e-mail [ur@hawaii.edu](mailto:ur@hawaii.edu).



Supporting the faculty vision

When he joined the faculty at UH’s Windward campus in 1987, Joe Ciotti was asked what facility he’d like to help plan. He answered without hesitation—a planetarium has been his dream since he first visited New York’s Hayden Planetarium at age 16. It is a vision he nurtured through UH graduate school, NASA training as a Teacher in Space classmate of Christa McAuliffe and selection as Hawai‘i’s Carnegie Professor of the Year. In October, his dream came true with the opening of Hōkūlani Imaginarium, a remarkable theater that will take students of all ages and visiting community members on explorations out to the stars and into human cells.

This is what I mean when I say that I have never been failed by a faculty that has been validated and empowered. Inspiration and perseverance like Joe’s is what will make this system great. It is what makes our university campuses a

resource for the communities in which we live. It is why, when the state needed a

short-term economic infusion, lawmakers recognized the long-term benefit of investing in UH. The projects they funded—establishment of a new medical school and biomedical research complex in Kaka‘ako, planning for the UH West O‘ahu campus in downtown Kapolei and improvements to campuses on every island—all are part of UH’s long-standing master plan and fulfillment of our faculty’s vision.

These projects do not depend on state taxpayers alone. For the medical school, our use of \$150 million from the state’s \$1.2 billion tobacco fund is contingent on raising a matching sum from private sources. We will secure private support for other UH initiatives as well. Governor, legislators, regents, administrators, unions, alumni, citizens—we are all responsible for this university and what it should and will be. Together, we will empower remarkable UH faculty members like Joe Ciotti and share not just in their dreams, but also in making them come true.



President Dobelle, left, with Windward CC Professor Joe Ciotti in front of Imaginarium dome

With warm aloha,

## FEATURES

### Lost World .....8

A Kaua'i sinkhole provides information about former human, animal and plant inhabitants

### Courage.....11

UH professors brave criticism and challenge the status quo to help others

### Road Remedies (cover) .....13

Engineers use technology to tweak traffic flow

### Mushroom Man.....17

A professor's passion for fungi could plant the seeds for a new island industry



## DEPARTMENTS

### Front Page .....3

News, reports and regents' medalists

### Alumni News.....20

Class notes and profiles



[www.hawaii.edu/magazine](http://www.hawaii.edu/magazine)

Māmalama is online.

Log on for selected features or download alumni news and more

Prefer an e-subscription to postal delivery? E-mail [ur@hawaii.edu](mailto:ur@hawaii.edu) with "subscribe" in the subject line and your name and address in the e-mail



## NĪHOU NEWS

### Pests are in hot water with scientists

A UH-developed hot water treatment designed to disinfect plants for export may also help control the spread of Caribbean tree frogs on the Big Island. Agriculture researchers Arnold Hara, from UH Mānoa, and Marcel Tsang, UH Hilo, have demonstrated that cut flowers, foliage and even whole potted plants can be soaked in hot, then cooler water for specified times without sustaining damage. The technique kills scales, nematodes and other insect pests that would prevent sales in off-island markets. Working with state forestry and wildlife officials, they have demonstrated that the process also rids potted plants of the frogs. That allows reforestation efforts to proceed without risk of spreading the non-native frogs, which annoy human residents with noisy chirping and could pose a threat to native species.



### Cross golf with lawn bowling...

To develop a Hawaiian take on a traditional game, five UH staffers thought outside the box, literally. Bocce ball is played on a rectangular packed clay court with raised edges. The patent-pending Hawaiian Rules version (H.R. Bocce) allows play on any size or shape lawn or even miniature fairways complete with sand traps and water features. Developers from the College of Tropical Agriculture and Human Resources (CTAHR) conceived the game as a secondary use of the rolling patch of grass used for UH turf management classes.

"Our idea was to incorporate golf elements in an activity that could be played near resort concessions or around clubhouses," says Joe DeFrank. "There's a lot of turf grass in Hawaiian landscapes with nothing happening on it. With H.R. Bocce, a relatively small



area can provide a great deal of fun." Players roll or toss softball-sized two-pound balls toward a target ball, gaining points by getting the closest. Landscaping—slopes, ornamental plants, even trees—add to the challenge. The developers envision licensed courts used for team building exercises, keiki activities and charitable events. "We call it our field of dreams," says DeFrank, who grew up playing bocce ball with his father in New Jersey. It's fulfilled one of his dreams. With the home-turf advantage, he finally beat his dad at the game. For more information, call 808 956-5698 or e-mail [defrank@hawaii.edu](mailto:defrank@hawaii.edu).

### Who will be an entrepreneur?

Chance and opportunity may be more important than personality or drive in predicting who will become an entrepreneur. Five years after UH Hilo Professor of Management Emmeline de Pillis surveyed individuals to find out how likely they were to start a business, student Audrey Idomoto revisited the participants. Those who had started businesses had originally rated themselves as very unlikely to do so. Further, she found no significant personality differences between them and the non-entrepreneurs.

### The master mime speaks at UH

UH awarded French mime Marcel Marceau the Doctor of Human Letters in November for his lifetime of work in the arts. Regent and Honorary Consul to France Patricia Lee, right, assisted in the hooding ceremony. Observing that "art can be explained only when you see it," the still agile Marceau demonstrated some of the 42 positions for the "conventions of character" that comprise the alphabet of the ancient art form he revived.



### Cholesterol less of a worry for elderly

Very low cholesterol may not be such a good thing for people over age 70. In a study of 3,500 Japanese-American men age 71–93, UH researchers found that the men with the lowest cholesterol had the highest mortality rates. High blood cholesterol remains a health risk for people under 65 years of age, however, stresses Professor of Medicine Irwin Schatz, who conducted the study with colleagues at the Honolulu Heart Program, a long-term project funded by the National Institutes of Health at the Kuakini Medical Center.





**Fish-eye view—Hawai'i Sea Grant researchers successfully used giant sea cages to grow thousands of mahi, favored fish of traditional Hawaiian fishpond aquaculture. The 50-by-80-foot conical sea cage is made of steel and NASA-developed mesh designed to withstand 25-foot waves. It was moored 40 feet below the surface two miles off the 'Ewa O'ahu shore. Researchers predict open-ocean mariculture could become a \$100-million-a-year industry.**

## Study disputes link between TV watching and violent behavior

Television violence had little connection with aggressive behavior in a study conducted by UH Hilo Assistant Professor of Sociology Thom Curtis. Using the 1976 National Survey of Children and two follow-up surveys, Curtis analyzed the quantity and content of TV watching by 1,126 children at ages 6–11 and their behavior as teens and adults. There was little or no relationship between TV viewing and later violence toward people or property. However, there was a strong relationship between witnessing or being the victim of family violence as a child and acting violently as a teen or adult. For more information, see Curtis's article, beginning on page 9 of the National Council on Family Relations' *Family Focus* publication at [www.ncfr.com/pdf/Focus\\_M20011.pdf](http://www.ncfr.com/pdf/Focus_M20011.pdf).

## Rewriting the water rules

The U.S. Environmental Protection Agency (EPA) has long measured the presence of certain bacteria to test for sewage contamination of water. But UH researchers have demonstrated that the indicator bacteria—fecal coliform, *E. coli*, enterococci—live in O'ahu soils and can wash into waterways even when no sewage is present. Water Resources Research Center scientists finally convinced EPA to hold a workshop in Honolulu to review the data. Participating experts from around the world agreed that EPA water quality standards aren't reliable here. UH researchers are testing whether the same holds true on Kaua'i and Hawai'i while EPA officials reconsider tropical water quality standards.

## UH tackles disaster management

Even before the Sept. 11 terrorist attack focused attention on rescue and recovery, UH programs and professors were addressing disaster management.

- ★ A new, graduate certificate program offered by the Mānoa College of Social Sciences takes a multi-disciplinary approach. Faculty from UH and other agencies train students to play a professional role in disaster management, humanitarian assistance and international peacekeeping. Topics include contextual issues as well as psycho-social responses and logistics. Call Anthony Marsella, 808 956-6701 or Ann Sakaguchi, 808 956-3265 or e-mail [dmha@hawaii.edu](mailto:dmha@hawaii.edu).
- ★ Maui CC will provide disaster management training opportunities in cooperation with the Maui High Performance Computing Center, Pacific Disaster Center and other institutions. Internet courses will lead to an associate degree. Contact Robert Converse at 808 984-3447 or [bob.converse@mauicc.hawaii.edu](mailto:bob.converse@mauicc.hawaii.edu).
- ★ Gary Helfand and Ross Prizzia, of the UH West O'ahu public administration faculty, discuss emergency preparedness and disaster management in Hawai'i in the Summer 2001 issue of *Disaster Preparedness and Management: An International Journal*. Their article describes interagency coordination at the federal, state, county and community level to improve disaster and emergency response capability.

## This canoe makes the mold

Marine Education and Training Center students at Honolulu CC have created a 52-foot mold for making double-hulled Hawaiian voyaging canoes. UH Hilo's Hawaiian Language College commissioned the mold to build Hōkūalaka'i, a voyaging canoe. The Polynesian Voyaging Society and Friends of the Hōkūle'a and Hawai'iloa assisted with design and resources. The mold—the first for a canoe this size—will be available to other educational, cultural and community groups. While the construction technique isn't traditional, UHH's Chad Baybayan says use of a resin/fiberglass skin over a foam core preserves the native forest while providing a canoe that is more durable, less expensive and easier to maintain.

**Honolulu CC Instructor Robert Perkins with mold for canoe hull**



## P O P L E



Nancy Smith



Daniel Suthers



Hae Okimoto



Chennat Gopalakrishnan



William Stormont

HONORED Mānoa Professor **Roger Fujioka**, American Water Works Association's George Warren Fuller Award; Hilo Professor of Management **Hank Hennessey**, Society for Human Resources Management Research Award; Mānoa Professor of Nursing **Jillian Inouye** with the Anna M. Shannon Mentorship Award from the Western Institute of Nursing; KTUH Radio General Manager **Lori Ann Saeki** with a Scripps Howard Foundation Most Valuable Staffer award; Mānoa Associate Professor **Nancy Smith**, National Organization of Nurse Practitioner Faculties' Outstanding Nurse Practitioner Educator award; Mānoa Assistant Professor of Information and Computer Science **Daniel Suthers**, National Science Foundation CAREER award; Mānoa Assistant Professor of Sociology **Guobin Yang**, the Outstanding Recent Contribution award from the American Sociology Association's Sociology of Emotion Section.

ELECTED Professor of Law **Ron Brown** to the International Society for Labor Law and Social Security executive board; Director of Distributed Learning and User Services **Hae Okimoto** to the American Association for Higher Education board of directors.

SELECTED Mānoa Professor **Chennat Gopalakrishnan** to the editorial board of *International Journal of Water Resources Development*; Mānoa planetary astronomer **Karen Meech** to the Astronomical Society of the Pacific Board of Directors; Mānoa Professor of English **Cristina Bacchilega** for a Guggenheim Fellowship.

APPOINTED **Margaret Haig**, dean of the UH Hilo College of Continuing Education and Community Service; **Ramsey Pedersen** and **Mark Silliman** to be provosts of Honolulu CC and Leeward CC, respectively; **William Stormont**, director of Mauna Kea management with responsibility for the Mauna Kea Science Reserve; **Alan Teramura**, director of the Harold A. Lyon Arboretum.

# Regents' Medal

## Recipients for 2001

### Excellence in Teaching

**Dana Bekeart**, professor of philosophy, Kaua'i CC  
**Kent (Kim) Bridges**, associate professor of botany, Mānoa

**A. Didrick Castberg**, professor of political science, Hilo

**Harry Davis**, associate professor in natural science/chemistry, Kapi'olani CC

**Rowena Fong**, associate professor of social work, Mānoa

**E. Dean Garrett**, professor of English, Leeward CC, and coordinator of the Wai'anae education center

**David Hanlon**, professor of history, Mānoa

**John Hardman**, professor of pathology, Mānoa  
**Mikahala Helm**, assistant professor in counseling and guidance/student services, Maui CC

**Chris Iijima**, assistant professor of law and director of pre-admissions program, Mānoa

**Wei-Ling Landers**, instructor of mathematics, Windward CC

**Carolyn Lee**, instructor in speech, Hawai'i CC

**Karen Umemoto**, assistant professor of urban and regional planning, Mānoa

**Robert Vericker**, assistant professor in administration of justice, Honolulu CC

### Excellence in Research

Full Professor Level

**Nina Etkin**, professor of anthropology, Mānoa

**Michael Landry**, professor of oceanography, Mānoa

Associate Professor Level

**Maqsudul Alam**, associate professor of microbiology, Mānoa



**Head UH baseball coach for 31 years, Les Murakami, received the 2001 Willard Wilson Award for service to the university. Before stepping down last year, his career encompassed six conference titles, a second-place College World Series finish, 16 all-American baseball players and induction into the American Baseball Coaches Hall of Fame. Rainbow Stadium, the award-winning facility his teams' success helped build, will bear his name.**



# Mo'ono REPORTS

RANKED UH as **15th in the world** on an *Education Guardian* list of 41 top physical science research institutions, just behind Yale and ahead of Stanford; UH as having the **best Indian philosophy program** and the third-best Chinese philosophy program in the English-speaking world by Blackwell Publishers.

RECEIVED Renewal of the **Native Hawaiian Leadership** Project scholarship program with \$4.4 million in funding from the U.S. Department of Education; A \$675,000 NASA grant to develop **educational opportunities in astronomy** in kindergarten through college.

HOSTED Japan's Prince Takamado and Princess Hisako for the 50th anniversary in Hawai'i of the Urasenke



**school of tea** ceremony, marked by a \$1 million gift from Grand Tea Master Sen Soshitsu XV; An international **conservation biology symposium** at UH Hilo attended by 1,200 scientists from 40 countries; The first **Trans-Pacific Conference on Business** and Economics involving UH Hilo and a consortia of Taiwan universities.

PUBLISHED A special issue of *Asian Perspectives* on **archaeology in Burma**, co-edited by UHM faculty members Miriam Stark and Michael Aung-Thwin; *Hawai'i's Russian Adventure: New Look at Old History*, by UHH Professor Peter Richard Mills; The *Philippines: Story of a Nation*, a high school and college workbook, by Mānoa alum Grace Mateo and the Center for Southeast Asian Studies; *Public Administration: Cases in Managerial Role-Playing*, a textbook by UHH Associate Professor of Political Science Bob Watson; *A Trauma Artist: Tim O'Brien and the Fiction of Vietnam*, by Mānoa Associate Professor of English Mark Heberle.

DONATED **\$1 million** from Walter and Diane Dods to fund scholarships with preference for children of immigrants; A \$2 million grant from the Donald W. Reynolds Foundation to develop a **curriculum in geriatrics** for all medical students and residents.

OPENED **The Imaginarium** multi-media facility at Windward CC; Grades K-6 at **Nāwahiokalani'ōpu'u**

**School**, a component of the UH Hilo Ka Haka 'Ula O Ke'elikōlani College of Hawaiian Language.

HONORED Mānoa Professor of English Mary-Elisabeth Tobin's 1999 book *Picturing Imperial Power* with a Historians of British Art **best book award**; The television documentary *The Japanese American Saga*, co-produced by the Smithsonian Institution in association with UH West O'ahu's Center for Labor Education and Research, with the **United States-Japan Foundation Cornerstone** Prize.

ACCREDITED Mānoa's bachelor's and master's degree **nursing programs** by the Commission on Collegiate Nursing Education and National League of Nursing Accrediting Commission; The College of Tropical Agriculture and Human Resources' undergraduate Didactic Program in **Dietetics**, cited as one of the best in the nation, by the American Dietetic Association; The **School of Architecture** by the National Architectural Accrediting Board; The **College of Education** by the National Council for the Accreditation of Teacher Education.

BOOSTED UH Mānoa student-run radio station KTUH's signal with a new 3,000-watt radio tower.

SCHEDULED An **international think tank** on sustainable tourism to be hosted by the School of Travel Industry Management in spring 2002.

WON The Intercollegiate Sailing Association North American Women's **National Championship** by the UH Wahine sailing team.



Windward's imaginarium dome

Photo: Mikki O'Phelan



SIGNED A contract worth up to **\$181 million over 10 years** to manage the Maui Supercomputing Center for the Air Force Research Laboratory; **Lease agreements** for development of the Faulkes Telescope at the summit of Haleakalā on Maui for education and outreach and with the Hawai'i Health Systems Corporation to operate Lē'ahi Hospital complex.

ESTABLISHED A Mānoa **PhD in music** program approved by the National Association of Schools of Music with emphasis in composition, music education or ethnomusicology; A certificate in **healthcare administration**



Shamisen lessons

offered in conjunction with UH West O'ahu's bachelor in public administration degree; The **Hawai'i Music Institute**, offering non-credit courses in various aspects of the music business, at Windward CC; A **student travel prize** for philoso-

phy undergraduates by UHM Professor Roger Ames in memory of a colleague.

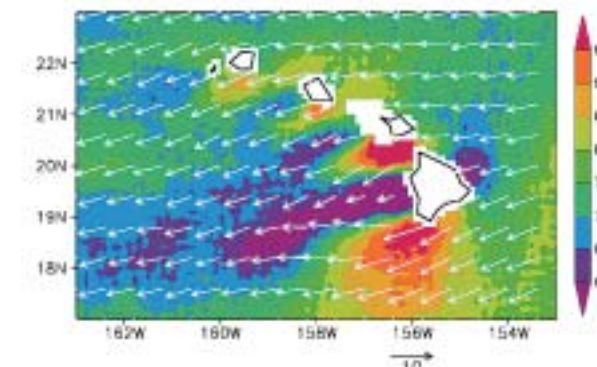
ONLINE A School of Travel Industry Management distance learning graduate **certificate for travel industry managers**.

IN RESIDENCE Author Scott C. S. Stone to **consult about writing** with students, faculty and community members at UH Hilo.

## RECENT UH DISCOVERIES

**Cloned mice aren't perfect copies of the original**, with abnormalities that may result from faulty DNA methylation, a non-genetic modification of one of the four building blocks of genetic material, according to researchers led by Professor Ryuzo Yanagimachi. (*Genesis*, Vol. 30, Issue 2, and *Science*, July 5, 2001)

Like toothpaste pressed from the tube, some islands form when a dense layer of oceanic crust and mantle slides over a thinner continental layer, forcing the under layer to thin and ooze through cracks in the heavier crust according to **a new theory developed** by Hawai'i Institute of Geophysics and Planetology researchers. (*Nature*, June 21, 2001)



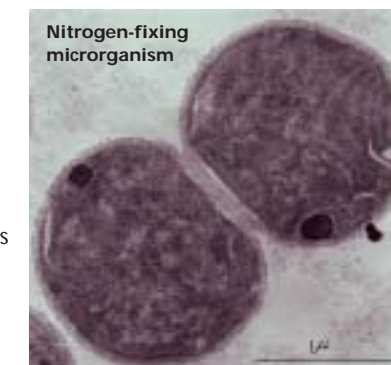
Meteorologist Shang Ping Xie has demonstrated that **surface winds react to sea surface temperature** variations as small as a few tenths of a degree, indicating that climate sensitivity is much higher than originally thought. (*Science*, June 15, 2001)

Hawai'i's black coral fishery has been sustainable for the past 40 years, oceanographer Richard Grigg reports, but **more stringent regulation** may be needed as technological advances increase the potential harvest. (*Pacific Science*, July 2001)

An international team, including several members of the High Energy Physics Group, observed differences in the **behavior of matter and antimatter** created in Japan's KEKB particle accelerator, showing with near certainty that the universe is not symmetric. (Lepton Photo 01 International Physics Conference, July 23, 2001)

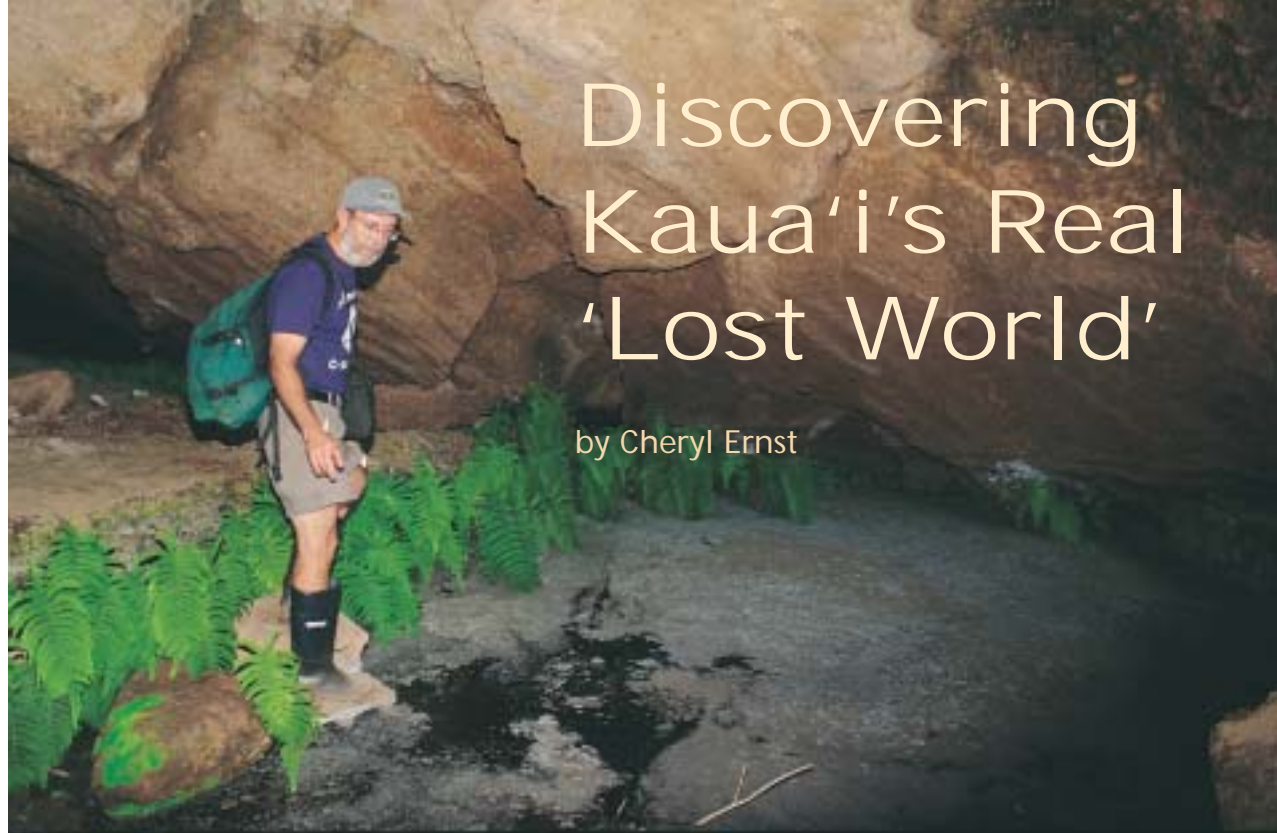
Oceanographers found that the deep sea is teeming with organisms that produce **natural fertilizers**, including a previously unknown group of bacteria that convert atmospheric nitrogen to a form that can be used by other organisms. (*Nature*, Aug. 9, 2001)

Detailed observation of helium cobwebs between galaxies and stars observed by NASA's Far Ultraviolet Spectroscopic Explorer satellite bolster theories about the **architecture of the early expanding universe** according to a team that included Astronomers Antoinette Songaila Cowie and Lennox Cowie. (*Science*, Aug. 10, 2001)



Nitrogen-fixing microorganism





# Discovering Kaua'i's Real 'Lost World'

by Cheryl Ernst

With help from Kaua'i CC, visiting scientist David Burney has unearthed important plant and animal finds below the water table in an ancient cave

The site is unusual because it provides both a well-preserved and continuous record, like the pages of a diary. The clay that discouraged earlier pot hunters and fossil seekers didn't deter Burney. He used a coring technique to sample various sections of the cave and sinkhole floors.

## The rich site has yielded 10,000- year-old specimens

Results were tantalizing, but it takes hard labor and heavy duty water pumps to reach the paleontological gold that lies below the natural water table.

"Pila got his anthropology group involved. Right from the beginning, Kaua'i Community College gave us the momentum to get going," Burney says. Students, alumni, school groups and community members help shovel clay, shift rocks and sift muck in search of artifacts and fossils that can range from a 16th of an inch to a foot in length. One regular is Kikuchi's wife Dolly. "I was never very interested in birds. Now I can find the toe bone of an extinct owl and know what it is," she says.

Another volunteer is Marge Ferguson, an accountant whose interest in archaeology led her to Kikuchi's class in 1998. She went to the Makauwahi dig, got hooked and wound up involved in Na Mālama Māhā'ulepū, which raises funds and promotes efforts to preserve the area that includes the cave. The effort requires diplomacy. The researchers work with the island's burial council to ensure that human remains known to be in remote recesses of the cave remain undisturbed. They also coordinate their activities with Grove Farm, which holds title to the

sinkhole and surrounding land.

Certain that the effort is worthwhile, Burney has convinced the National Oceanic and Atmospheric Administration, Smithsonian Institution, National Science Foundation and National Geographic Society to provide funding over the past nine years. Now 30 feet down in the center of the sinkhole and having examined 300 cubic yards of earth, he's obtained thousands of specimens dating as far back as 10,000 years. He estimates scientists could work the site for another 100 years or more.

Burney's wants to understand the past. By the end of the Polynesian period, nearly all the birds were gone from the lowlands, snails were disappearing and the land crabs had steadily diminishing claws. Was it the effect of over-exploitation and Hawaiians' introduction of dogs, pigs, rats and burn agriculture tech-

niques that turned forests into grasslands? How did the arrival of the Europeans with so many non-native plants and animals influence the extinction of most remaining native species? "I want to reconstruct the landscape, looking at bones, pollen, seeds and artifacts. At Māhā'ulepū, you have it all together in one site," he says.

But Burney also considers himself a futurist—someone who would "like to see society get safely past the present." To that end, his work could bolster restoration efforts. Demonstrating that species such as the Laysan duck and 'Io, or Hawaiian hawk, existed on Kaua'i suggests that reintroduction from the Laysan Islands and Island of Hawai'i, respectively, might be appropriate. Discovery that the kou tree arrived in Hawai'i even before the Polynesians supports it as a viable indigenous

Everywhere David Burney explored in his quest to continue the paleontology work of Smithsonian scientists on Kaua'i, the residents told him the same thing—he needed to talk to Pila. "It was clear I wasn't going to work on this island without his OK," the Fordham University professor recalls with a grin.

## The researchers hope to recreate past landscapes

Pila is the nickname of Kaua'i CC Emeritus Professor William Kikuchi, who has done archaeological research on the Garden Island since 1958. The two scientists formed a warm friendship and productive partnership. "We both love the field, we love what we do and we love playing in the mud," Kikuchi jests. "We don't do it for the money or the fame...although a little fame would be nice." Fame of a sort arrived last fall—in a segment on the *Nova* television series on evolution

and an article printed in *Ecological Monographs*.

Beyond the golf course at Po'ipū, just off the horse trail, beneath water and layers of clay and sand inside an ancient sinkhole called Makauwahi, the pair have discovered plant and animal fossils that are changing what is known about prehistory Kaua'i. "This is the Olduvai Gorge or La Brea Tar Pits of Hawai'i," exclaims Burney. "We keep finding things. We could dig here forever." Findings include unexpected plants, land crabs and flightless birds that grazed like goats (see box). "It really was wild, almost beyond imagining," says Burney. "This is Kaua'i's real lost world."

Several hundred thousand years ago, fluctuating sea levels deposited ground up coral on the south shore of Kaua'i. The sand recrystallized in a dune field. Fresh water flowing between the dunes and the underlying lava hollowed out one of Hawai'i's few limestone caves. Sea levels rose again, flooding the cave with sea water about 7,000 years ago. Parts of the cave roof collapsed, cutting off the sea, and by the 13th century the sinkhole had become a freshwater

lake and natural fish pond. Sediment gradually turned the lake into a swamp, creating a 15-foot layer of peat-like material full of shells and bones. A tsunami deposited a layer of rock, sand and Polynesian artifacts about 350 to 400 years ago. Sand



Kaua'i CC's Pila Kikuchi hopes to preserve island artifacts

from over-grazed dunes blew in during the era of European contact. Finally, erosion from the draining of a nearby pond during the 1950s topped it all with a 6-foot layer of clay, sealing off what Burney calls a "poor man's time machine."

## Discoveries at Makauwahi

Fossil remains of 40–50 types of birds, most extinct or near extinction, have been identified at the sinkhole. Some have augmented finds by famed Smithsonian ornithologists Storrs Olson and Helen James on nearby but less well-preserved dunes. Others represent new species. Among the finds—

- \* The endangered Laysan duck
- \* A flightless, Kaua'i goose
- \* The turtle-jawed moa-nalo bird
- \* A long-legged owl that probably fed on other birds
- \* A little duck with tiny eyes, a flat skull and tiny wings that probably fed on forest insects at night
- \* A new species of bat
- \* Seed pods and pollen from kanaloa, whose two known surviving plants cling to Kaho'olawe cliffs
- \* Canoe fragments and pipipi picks



Laysan duck



Turtle-jawed moa-nalo



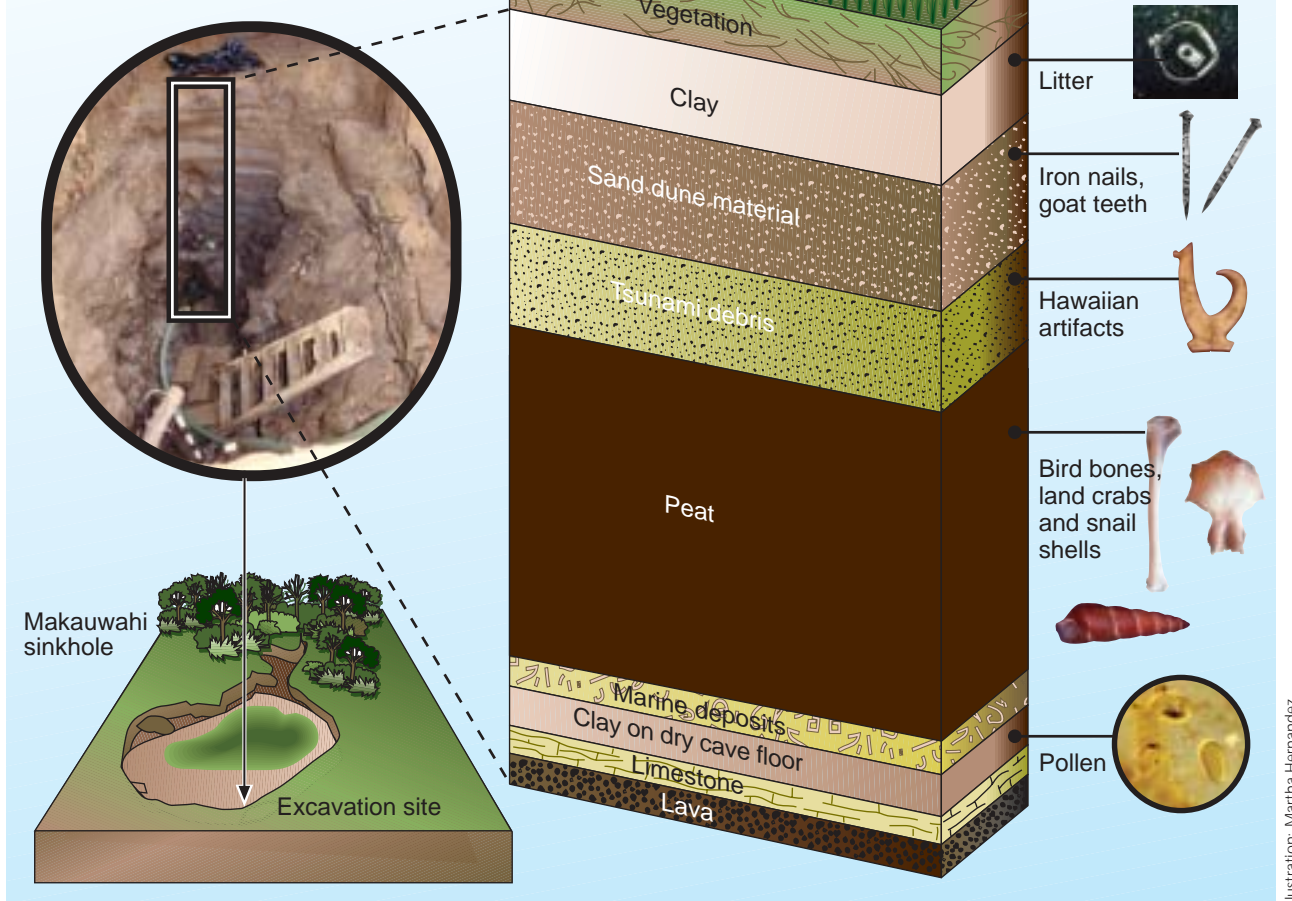
Bird-catching owl

Drawings by Julian Hume




## A Kaua'i Diary

Layers of earth in the Makauwahi sinkhole digs record life on the islands for the past 10,000 years



forestry crop. Evidence that the fragrant *Zanthoxylum* tree now found in Kōke'e once grew at lower elevations expands the range where reintroduction is feasible.

Speaking to volunteers and community leaders on Kaua'i earlier this year, Burney concluded with an invitation: "Pitch in with us to ensure that these resources will always be here for the people of Hawai'i."

For information on the sinkhole project, group tours or volunteer opportunities, contact Kaua'i CC's Shirley Tani at 808 245-8377 or [shirley@mail.kauaicc.hawaii.edu](mailto:shirley@mail.kauaicc.hawaii.edu). 

Cheryl Ernst is creative services director and Mālamalama editor

## Preserving the past on the island

A brush with prostate cancer last year got William "Pila" Kikuchi thinking about his own mortality and the future of the archaeological data produced by surveys and excavations on Kaua'i. Both materials and documentation should be preserved for future education and research on the island where they were found or made, Kikuchi concluded. With the support of Kaua'i CC, Kikuchi proposed raising funds to build an archaeological archival storage center to be available to researchers, integrated into cultural and scientific courses and used for public exhibits. The project advisory board includes paleoecologist David Burney, who is conducting research at 12 Kaua'i sites; veteran Bishop Museum archaeologist Yoshihiko Sinoto; Hallett Hammatt and William Folk of Cultural Surveys Hawai'i; and Martha Yent from the state parks department's Historical Sites Division. For more information on the project, contact Shirley Tani at 808 245-8377 or [shirley@mail.kauaicc.hawaii.edu](mailto:shirley@mail.kauaicc.hawaii.edu).

Illustration: Martha Hernandez

# COURAGE

by Jennifer Crites

## Social Justice: Eric Yamamoto creates a framework for conciliation

Anger and confusion about race has been called America's number one problem. UH law professor Eric Yamamoto thinks so. He's seen some Americans retaliate against fellow citizens of Arabic heritage in their anger over the September terrorist attack on the United States. He fears that strict national security measures could trample on civil liberties. He knows it's happened before—to Japanese Americans during World War II.

For 15 months during the early '80s, Yamamoto volunteered on the legal team attempting to overturn the wartime internment conviction of Fred Korematsu. The team succeeded, and that decision along with a 1987 case swept out the legal foundation of the WWII Supreme Court decision that justified internment as military necessity. As a result, Congress passed the 1988 Civil Liberties Act, which called for a presidential apology and reparations for Japanese Americans who had been interned. Yamamoto received the Korematsu Civil Rights Award for his efforts. The lesson: "We must not scapegoat other people. Both U.S. citizens and our courts need to be vigilant about protecting civil liberties while addressing genuine threats to national security."

After helping win reparations for Japanese Americans interned during World War II, Eric Yamamoto has turned his attention to racial reconciliation

Two UH professors challenge the status quo to help individuals and right entrenched wrongs

Yamamoto addresses that topic in his books, *Race, Rights and Reparation: Law and the Japanese-American Internment* and *Interracial Justice: Conflict and Reconciliation in Post-Civil Rights America*. The latter, named one of the top 10 books on human rights, social justice and civil rights published in North America, deals with interracial discrimination—one group using social, economic or political structures to subordinate another. The wounds such discrimination inflicts—interracial justice grievances, Yamamoto calls

them—are being overlooked in the courts' fervor to outlaw race consciousness.

"The majority of the justices say that to analyze historical and current racial differences can actually damage the nation's interest in racial harmony," he says. "The court is mistaken. We are seeing more, not less, interracial tension across America." The anger it generates exists in areas like housing, education, business and law. Because the courts turn a blind eye, old wounds remain open.

Talking about racial justice can only make our country stronger

—Eric Yamamoto



"Racial discrimination isn't motivated purely by racial dislike, but more by self-interest and past actions," Yamamoto explains. "We have to find out what justice grievances lie beneath the surface of the immediate conflict and set about healing the wounds."

To do that, Yamamoto proposes a four-point framework of racial conciliation—recognition, responsibility, reconstruction and reparations. "It's not a magic formula. It's a method and a language for asking questions and moving the process forward. People have to learn how to do this. It's going to take some disciplined and serious work." The



courts should encourage discussions about racial justice grievances, but the law itself is too narrow, so most of the process must take place outside a legal context, he says.

Surprising words from a lawyer, but Yamamoto didn't plan to enter law when he majored in humanistic studies in UH's experimental '70s New College. The turbulent times—Vietnam war protests, the breakdown of communities, stirrings of the Native Hawaiian movement—and discussions with his father, a UH professor who taught race relations, profoundly influenced the thoughtful young man immersed in Nietzsche and Zen Buddhism. He decided to study law at Berkeley's Boalt Hall to “shape how communities would be.” After the Korematsu case, Yamamoto joined a Hawai'i law firm. He also served on the boards of the Legal Aid Society of Hawai'i and the Native Hawaiian Legal Corporation and was counsel to Alu Like and the Women's Health Center. In 1985, he joined the UH law school faculty. He's assisted Native Hawaiian Homelands trust beneficiaries, sovereignty activists and the Spark M. Matsunaga Institute for Peace. He's received the UH Presidential Citation for Excellence in Teaching twice and been named Outstanding Professor of Law three times. This spring, he will hold the Haywood Burns Chair for Civil Rights at the City University of New York.

Yamamoto prefers to remain in the background. “Sometimes having less of a profile makes it easier to help people accomplish their goals,” he says. Still, he hopes his framework will get people talking to each other about racial justice. “It can only make our country stronger,” he says.

#### Medical Change: Milton Diamond challenges gender reassignment

As a UH professor of anatomy and reproductive biology, Milton Diamond teaches neuroanatomy and sexology. But his international notoriety resulted from what he calls



Milton Diamond's stand on infant sex reassignment changed medical practice and brought continuing international attention to his studies of sex and gender

a simple search for evidence.

“Some people think there has to be something strange about me to study sex,” says Diamond, who directs the medical school's Pacific Center for Sex and Society and lectures worldwide. “Personally, I wonder why more people aren't studying sex. It's so intrinsic to so many aspects of our lives.”

A graduate of Bronx High School of Science and college ROTC, Diamond pursued anatomy, endocrinology and experimental psychology at the University of Kansas. In 1967 colleagues asked him to help start UH's John A. Burns School of Medicine. Diamond and his wife thought the islands would be a good place to raise their four daughters. He found it a good place to work—writing several books, developing PBS's award-winning “Human Sexuality”

series and contributing to the American Medical Association's handbook on sexual problems.

A few years ago, Diamond's investigation of what he calls the “John/Joan case” thrust him into the limelight. The 1960s case involved a 7-month-old twin whose penis was severely burned by the electrocautery instrument used during circumcision. The boy's parents contacted psychologist John Money, a leader in the field of gender identity at Johns Hopkins University, who counseled them to raise their son as a girl. Money believed a child's sexual identity is determined by the appearance of the genitals and the child's upbringing. “It's the nature/nurture debate,” says Diamond. “Nurture advocates believe that if you're raised (figuratively) in a blue room you become a boy and in a pink room, a girl. The only problem is, that theory doesn't work.”

The child underwent surgery to remove his testes and fashion female genitals. His parents were instructed to raise him unambiguously as a girl. In journal articles and a book, Money described behavior “so normally that of an active little girl and so clearly different by contrast from the boyish ways of her twin

**I expected them to throw rocks at me—I told them what they'd been doing for 40 years was wrong**

—Milton Diamond

brother.” *Time* magazine reported the experiment “has apparently succeeded.” Skeptical, Diamond called for evidence in various publications.

The medical establishment embraced Money's conclusions. Surgical reassignment of sex for a variety of reasons, including cases where the penis was considered too small (less than 2.5 centimeters), became standard medical practice. Diamond kept digging. In 1994 he contacted British Columbia psychiatrist Keith

*Continued on page 16*



UH road remedies offer drivers some relief

## Tweaking Traffic with Technology

by Neal Iwamoto

In his 21 years as an O'ahu taxi driver, John Parker has endured his share of traffic jams. Particularly frustrating has been transporting passengers who need to be at the airport 10 minutes ago. But that was before Parker discovered a cooperative government Web site that lets him navigate O'ahu's crowded roadways. With a Sony laptop in his 1987 Chevrolet Caprice station wagon, Parker uses his wireless internet connection to access a traffic camera site that allows him to view real-time traffic conditions on all of O'ahu's major roadways.

“If there is a jam I can see it ahead of time and not blindly go onto the freeway and become part of the problem,” Parker says. “I can view the alternatives and choose the route that ultimately makes a difference for a person who has got to catch a flight.”

The site has helped thousands of island drivers like Parker since it was developed more than five years ago by UH Professor of Civil Engineering C. S. Papacostas. It's one of the ways that UH Mānoa professors are using today's technology in the battle for better traffic flow.

Traffic on Hawai'i roadways began a century ago when the first car was brought to the islands by Henry Baldwin in 1899. Fifteen years later, the first comprehensive traffic ordinance was passed by the territorial Legislature.

**Like spot surgery, small adjustments can give considerable benefit**

“Congestion has been around for a long while and will continue to be around,” Papacostas asserts. His goal is to stop it from getting much worse. His Web site doesn't provide a cure-all to traffic problems—it won't clear gridlock caused by a multiple-car accident or watermain break—but it does give people, at the very least, the power of information.

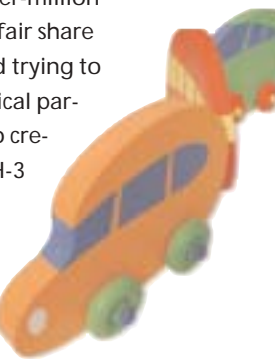
“Psychologically, people believe that they are gaining control,” Papacostas notes. “If people know that they will be heading into traffic

they'll take it easier than if they were surprised.”

The City and County of Honolulu put up cameras six years ago to identify traffic incidents and to monitor signals. It was Papacostas who suggested giving the information directly to the public. Since he launched his site in 1996, the number of cameras has grown from 8 to nearly 100. The site receives about a quarter-million hits per week, although a fair share comes from visitors abroad trying to get a glimpse of the “tropical paradise.” Papacostas has also created a similar site for the H-3 freeway.

The U.S. Postal Service and commercial bus companies have relied on the site to keep things running on schedule. Downtown workers log on to help plan their commute home. Visitors also monitor weather conditions; the site is a handy tool for mo-

**Above: Quiet road warriors in the traffic battle, UH civil engineers Panos Prevedouros, left, and C. S. Papacostas work to keep congestion from getting worse**







Simulation programs predict the effectiveness of road changes. Automated counters extract accurate data from traffic cameras.

Automated signage shows an express bus' progress. Web sites show current traffic conditions and track TheBus.

torcycle enthusiasts who want to rev up their bikes for a weekend ride.

Papacostas maintains a traffic information page on the Web, <http://traffcam.hawaii.edu>, which links to the city's cameras and traffic cams operated by the state Department of Transportation (DOT) along H-3. His latest project is another Web site that tells city bus patrons when their ride is coming. Via a Global Positioning System and modem, his new site, <http://cityexpress.hawaii.edu>, tracks the city bus throughout its entire route. His Transit AVL (automatic vehicle location) system is being tested with the Route B city express bus that runs between Middle Street and Waikiki.

Colleague Panos Prevedouros also uses traffic cams and the latest computer technology in a search for ways to alleviate traffic, particularly on H-1. The associate professor of civil engineering enters hours of footage from traffic cams along the freeway into Autoscope, a vision device that measures the volume and speed of cars. Gone are the days of manually counting cars in the field. With Autoscope, Prevedouros and his researchers can accurately identify the bottlenecks on H-1 during peak traffic hours.

Prevedouros then transfers the data into a computer simulation pro-

gram. "We can look at all types of solutions—cheap solutions, expensive solutions—without going out and building anything at all," Prevedouros says. "We can see it all from the computer played in real time."

He likens his work to spot surgery, "adding a short lane here or an auxiliary stretch there. These are small treatments but they have the potential to give considerable benefit."

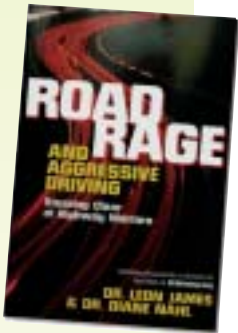
For the last five years, Prevedouros has been studying freeway traffic flow between Koko Head Avenue and Middle Street under a DOT contract. His simulations analyze the potential effects of ramp closures, identifying which closures yield benefits to freeway flow without being detrimental to the flow on adjacent streets.

A full-scale, two-week ramp closure was tested in the fall of 1997,

### Avoiding traffic trauma

UH Professor of Psychology Leon James has testified before Congress and provided expert comment in more than 900 national and international media reports on the cultural phenomenon called road rage. He recently co-authored the book *Road Rage and Aggressive Driving: Steering Clear of Highway Warfare* with UH Associate Professor of Information Science Diane Nahl. In his surveys, close to 90 percent of drivers admit to driving with rage. Aggressive driving habits may be ingrained, but James says attitudes and habits can be altered. Here are his suggestions—

- ★ Leave early. The difference between regular traffic and congested traffic is small—about 20 percent. Leaving 6½ minutes earlier could make all the difference in an average 32-minute commute.
  - ★ Be a supportive driver. Viewing driving as teamwork instead of a competition makes everyone move faster.
  - ★ Create quality driving circles—small, informal citizen groups that meet regularly in congested neighborhoods.
  - ★ Change new driver education, as California has, to teach emotional intelligence and how to behave as passengers, deal with hostility and sustain a positive driving philosophy.
  - ★ Form CARR, Children Against Road Rage. Remind parents that emotional reactions influence children in the back seat.
- For more information, visit [www.aloha.net/~dyc](http://www.aloha.net/~dyc)



when the west-bound Lunalilo Street on-ramp was closed for a few hours during the morning peak period. The closure benefited commuters, Prevedouros found. While the state has yet to implement any regular closures, traffic laws were recently passed paving the way for it in the future.

Ultimately, Prevedouros searches for simple, efficient solutions. "Some say traffic congestion is a self-limiting problem," Prevedouros says. "When congestion gets very bad people find a way around it. However, I believe that once you have a freeway system you have to learn how to operate and manage it."

The growing population in Central and West O'ahu will call for special measures, including adding a lane near the downtown areas, he says. He is also concerned with current management of roads, paying close attention to accident conditions when lane closures turn traffic into a virtual standstill. "The street level of service is quite poor for our population size. That has a lot to do with our management of roads."

Prevedouros is studying the suitability of installing traffic detectors along Hawai'i freeways, rural highways and arterial streets, an effort to improve road management funded by DOT and the Federal Highway

Administration. Such detectors would provide data necessary for both long-term planning and real-time management of roadway traffic. Inexpensive acoustic, infrared, magnetic, radar, ultrasonic and video detectors can be used to automate collection of information, such as 15-minute averages of volume, speed and classification of vehicles. Prevedouros and his team select a handful of devices for field testing out of the more than 100 available. Based on actual performance in Hawai'i, they'll identify the

most suitable and cost-effective detector devices for different traffic conditions here.

"Ultimately, our effort will help DOT join the progressive group of transportation departments across the country that provide a multitude of traffic data over the Internet," Prevedouros says. "These data can be accessed by state and county engineers and planners as well as private consultants and the public at large."

Neal Iwamoto (BA '98 Manoa) works in UH sports media relations.

### Training keeps Hawai'i moving

UH students are on the road, in the air and on the sea—learning to operate and maintain the vehicles that transport everyone, everyday.

Several programs help keep traffic flowing. The Leeward CC Office of Continuing Education and Training (OCET) certifies, evaluates and re-evaluates **drivers** for commercial vehicles including trucks and busses. Among the offerings are state-mandated evaluation and training for people who operate commercial vehicles over 1,000 pounds. (OCET also offers classes in forklift, backhoe and loader operation.)



Learn to build and repair boats at Honolulu CC

Continued on next page



Leeward also coordinates **motorcycle** training. The popular classes are held at the Leeward campus or Coast Guard Base Sand Island. Training is also available on Maui and the Big Island.

Hawai'i, Maui, Kaua'i and Honolulu Community Colleges teach the people who keep Hawai'i's cars running. **Automotive** technology degrees and certifications vary by campus; instruction covers engine repair, electrical systems, suspension and steering, automatic transmission, manual transmission, heating and air conditioning and brakes. Hawai'i CC also offers **diesel** mechanics.

Want to learn how to fly? Honolulu CC has courses for those interested in pursuing a career as

a professional **pilot**, as well as continuing education opportunities and flight instructor training. The campus also offers certificate and associate degree programs in **aviation** maintenance and a transfer option for a four-year degree in airway science. The certificate prepares students to take the Federal Aviation Administration written examination on their way to federal certification as aviation maintenance technicians.

A two-year Honolulu program certifies students to build, repair and modify composite **boats** as well as maintain a variety of marine electrical and mechanical systems. The majority of the hands-on instruction takes place at the Marine Education and Training Center on Sand Island.

Log onto these sites for more information  
[www.hcc.hawaii.edu/tech/transportation.html](http://www.hcc.hawaii.edu/tech/transportation.html)—for links to commercial aviation, aeronautic mechanics technology, boat maintenance and repair and automotive mechanics technology  
[www.lcc.hawaii.edu/ocet](http://www.lcc.hawaii.edu/ocet)—for motorcycle training and commercial driving training  
[www.mauicc.hawaii.edu/catalog/programs/amt.html](http://www.mauicc.hawaii.edu/catalog/programs/amt.html)—for automotive technology on Maui  
[www.kauaicc.hawaii.edu/ocet/noncredit/ase.htm](http://www.kauaicc.hawaii.edu/ocet/noncredit/ase.htm)—for automotive technology on Kaua'i  
<http://web.hawcc.hawaii.edu/hawcc/tradeindustry>—for auto and diesel mechanics on Hawai'i.

—by Heidi Sakuma, a UH Mānoa journalism and English major



Learn to fly or maintain planes at Honolulu CC

## Courage continued from page 12

Sigmundson, in charge of John/Joan's treatment under Money's direction. Sigmundson knew the sex conversion hadn't worked. Unaware of her history, Joan had refused to wear dresses, hated make-up and fought like a boy. She was banned from the girl's restroom for standing to urinate. At 14, she decided to live as a male. Sigmundson hadn't challenged Johns Hopkins. "He thought that if it wasn't working, it was his fault," Diamond says.

Sigmundson put Diamond in touch with John/Joan, by then a married man struggling with psychological scars. In 1997 they presented their evidence in an article on implications of sex reassignment in the *Archives of Pediatrics and Adolescent Medicine*. This time the medical establishment listened. Diamond addressed the American Academy of Pediatrics. "I expected them to throw rocks at me because I was basically telling them that what they'd been doing for the past 40 years was wrong," he says. Instead, 30 seconds of stunned silence gave way to applause.

"If you change someone's gender as an infant, you're doing something fundamental to them. As they grow up they're living with incongruities that don't make any sense to them, and they have no way of dealing with their feelings." Many contemplate suicide. Diamond says as many as 200 pediatric sex reassignments were taking place annually in the United States due to damaged or ambiguous genitals. About 1 child in every 2,000 is born with enough ambiguity that it's externally noticeable. One in every 100 has hidden ambiguity—XXY or other sets of chromosomes or combinations of ovaries and testes. "Gonads produce hormones that affect the brain, and it's our brains that tell us whether we're male or female," he says. "In most cases, there's a physical reason why individuals might be unsure about their sex."

Yet doctors must classify a child's gender at birth. Diamond offers three guidelines—don't do surgery based only on genital appearance; do follow-up studies on the success of sex-reassignment; eliminate secrecy. "Yes, it's disturbing for someone to find out they have male chromosomes along with a vagina, but keeping them in the dark is disturbing, too. People could deal with the truth if told in the proper way and provided with counseling."

Since exposing the failure of the John/Joan case, Diamond has received numerous international honors and been interviewed on national TV. He served as president of the International Academy of Sex Research, which encompasses physicians, psychologists, sociologists and other scientists. "You work for 40 years then you're an overnight success," he quips. ☺

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

1 in 100 children are born with sexual ambiguity



# The Mushroom Man

by Susan Collins



A Hilo professor's passion for fungi could spark a new agriculture industry on the Big Island

Don Hemmes distinctly remembers when the late Lani Stemmerman took him to a kīpuka, or opening in the forest, along the Saddle Road on the Big Island more than a dozen years ago. The noted Hawaiian naturalist directed Hemmes's attention to small mushrooms, telling him, "you should study these." Hemmes took the advice, and both his reputation as an authority on Hawai'i fungi and his dream for a new island agricultural industry have, well, mushroomed.

Hemmes grew up surrounded by cornfields in Iowa. A desire to see the ocean and a college professor's suggestion that he seek a fellowship at UH Mānoa drew him to the Hawai'i in 1965. He earned a master's degree in microbiology in 1967 followed by a PhD in 1970 and has taught at UH Hilo since 1973.

"As a biologist, I would see mushrooms in the wild, but when I tried to identify them I found out that there were no Hawaiian mushrooms in mainland handbooks. As an edu-

Don Hemmes, with field mushrooms from a morning's hunt, wrote *A Field guide to Mushrooms in Hawai'i* after scouring the islands from seashore to mountaintops. Photos from his book include *Hygrocybe pakelo*, left.





The deadly *Amanita marmorata* contains liver-destroying toxin. It grows under trees imported from Australia, such as eucalyptus, bottle brush and ironwood pine.



Kaua'i's *Amanita muscaria* can have caps the size of Frisbees. Other size-able fungi include *Calvatia gigantea* puffballs that grow larger than basketballs on Mauna Kea and table-size conks of *Ganoderma austral* in Hawai'i Volcanoes National Park.



*Chlorophyllum molybdites* causes the most incidents of mushroom poisoning, sending people to the emergency room with intense vomiting, stomach cramps, diarrhea, etc.

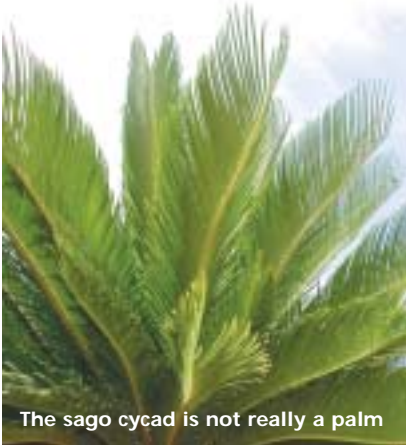


Candidates for most colorful natives include the pink *Hygrocybe noelokelani*, left, and bright yellow-orange *Hygrocybe lamalama*. For a deep red variety, look for *Hygrocybe constrictospora*.



**UH Hilo Botanical Gardens are living laboratories**

Carved out of a once over-grown gulch along UH Hilo residence halls, inviting paths meander through conifer trees in a garden established for students who had never seen a live pine. Planted nearby are close to a hundred species of cycads from as far away as Africa, China, North and Central America and Australia. Some are sharp and spiky, others, soft and feathery. "They look like palms, with names like sago or king palm, but they are in no way related to palms," instructs Don Hemmes. The real palms can be found in another section of the garden, which includes a nearly complete collection of Hawaiian loulu palms. UH Hilo Botanical Gardens represent the biology professor's three decades of collecting and deep love of teaching. "To an educator, gardens are living laboratories, and these are my botany laboratories. More than 10,000 students have toured the gardens and learned about the interesting plants found right on our campus," he says. A \$10,000 grant from the James and Abigail Campbell Foundation is being used to create gardens throughout campus featuring Hawai'i's native and ethnobotanical plants. Hemmes's goal is simple: "I want our UH Hilo Botanical Gardens to be the most spectacular scientific gardens on the island."



The sago cycad is not really a palm

cator, I thought I'd like to make a field guide for the general public. So I took all the photos I could and went to a mushroom conference in San Antonio to find someone to help in the identifications." Also attending the conference was Dennis Desjardin, professor of biology and director of Thiers Herbarium at San Francisco State, the largest herbarium of mushrooms west of Mississippi. Their collaboration began on the spot. "We started on the great study of mushrooms in Hawai'i. We traveled from the mountaintops to the seashore on every island. It was a lot of serendipity, because many mushrooms are out for just a few days, and we had to catch them just when they were out," Hemmes recalls. During seven years of National Science Foundation-funded identification adventures, Hemmes and Desjardin discovered that 90 percent of the mushrooms in the native forests are endemic, but all the species in the lowlands have been introduced. For example, guava trees, which come from South America, harbor certain introduced fungi. Other trees provide a haven for mushrooms from the South Pacific and Australia. The spores, says Hemmes, most likely hitched a ride to Hawai'i in the soil when the trees were imported. Hallucinogenic or "magic mushrooms" probably arrived with cattle brought by Captain Vancouver during the 1800s. Hemmes and Desjardin decided to give the native species they identified Hawaiian names. They called

upon Kalena Silva, UH Hilo professor of Hawaiian studies and director of Ka Haka 'Ula O Ke'elikolani, the College of Hawaiian Language for help. "We asked Kalena to come up with proper names for the native mushrooms," Hemmes says. "We showed him pictures and told him

about the important features, such as color or texture. Noelokelani combines noe, meaning mist or fog, and lokelani, a small pink rose, to refer to this beautiful pink mushroom that grows in the rainforest. Another is pakelo, slippery like a fish, because you can't hold onto it. Lamalama is for one that glows like

the sun. Some were named after Pele. We've given Hawaiian names to honor the Hawaiians." This month, the painstaking identification work of these mushroom men will be published in *A Field Guide to Mushrooms in Hawai'i* (Ten Speed Press). Biologists, fungal experts, students and mushroom enthusiasts alike can use it to identify the many unique fungal species of Hawai'i. Hemmes says the mushrooms of Hawai'i vary greatly. Some can kill or make people violently ill if ingested. Hemmes is on call statewide to identify mushrooms in suspected poisonings. He offers frequent public education talks. "Remember, we have deadly poisonous mushrooms in Hawai'i, so consult an expert before experimenting," he emphasizes. "If someone gets sick after eating mushrooms, bring specimens along to the emergency room for identification." But there are good, edible mushrooms here, too. Some, Hemmes says, are excellent prospects for commercial cultivation in the diversified agriculture of a post-sugar era. Mushrooms hold potential in both gourmet food and health product industries. "There is considerable interest in growing gourmet mushrooms, like shiitake. Hawai'i chefs want the absolute freshest, and what comes

**Island fungi hold potential as gourmet foods and sources of new medicines**



Hawai'i restaurants provide a potential market for locally grown gourmet mushrooms. Chefs want fresh ingredients for dishes like this salad, created by UH Associate Professor Kusuma Cooray, of Kapi'olani CC's Culinary Institute of the Pacific.

**Shiitake Mushroom Salad**

- Serves 4
- |                                |  |
|--------------------------------|--|
| 12 medium shiitake mushrooms   | ¼ teaspoon olive oil                   |
| 1 tablespoon minced garlic     | 1 Maui onion, sliced into ¼ inch rings |
| salt and black pepper to taste | 2 cups fresh spinach leaves            |
- Remove the mushroom stems. Season mushrooms with garlic, salt and pepper. Heat olive oil in sauté pan and cook the mushrooms on high heat for 2–3 minutes. Remove mushrooms and cook onion rings for 1 minute. Place spinach on salad plates; arrange mushrooms and onion rings on spinach. Drizzle with dressing.
- For dressing, whisk**
- |                                       |                                |
|---------------------------------------|--------------------------------|
| 2 tablespoons olive oil               | 1 tablespoon red pepper flakes |
| 1 tablespoon chopped green onion      | 2 tablespoons balsamic vinegar |
| 1 teaspoon roasted black sesame seeds | 1 tablespoon lemon juice       |
| 1 tablespoon chopped red bell pepper  | salt to taste                  |



## Class Notes

Compiled by Alumni Editor Mona Chock (MEd '77, BS '74 Mānoa). UH's 10 campuses are Mānoa, Hilo, West O'ahu, Hawai'i, Honolulu, Kapi'olani, Kaua'i, Leeward, Maui and Windward.

## 1940s

**Henry Kaoru Kawasaki** (BS '44 Mānoa) is a Honolulu dentist specializing in general dentistry. He and his wife Aiko Kayashima Kawasaki have four grown children, Pamela Vennen, Ben Kawasaki, Deborah Hobbs and Marcy Morita.

## 1950s

**Barbara Ann Hall** (BA '58 Mānoa) is retired and living in Cameron Park, Calif. She has two grown children, **Stacy Hall Dunn** (who attended UH in 1988) and Kelly Hall.

**Garrett Miyamoto** (BA '57 Mānoa) is self-employed and semi-retired, living in Honolulu with his wife and two daughters. He is a member of the UHAA Army ROTC Alumni Board of Directors.

**Mitsuo Miyatake** (BEd '57 Mānoa) is retired from teaching and counseling. His wife **Tokimi M. Miyatake** (BEd '57 Mānoa) also retired from elementary school teaching.

**Daniel Isotoshi Takamatsu** (BS '57 Mānoa) serves on the board of managers for the Kalihi Branch YMCA and Farrington Alumni and Community Foundation and is a member of the American Society of Civil Engineers.

## 1960s

**Linda M. Delene** (MBA '68, BA '74 Mānoa) is vice provost for academic planning and assessment at Western Michigan University. Delene joined the WMU faculty in 1977 and has been a professor of marketing and director of the Service Quality Institute since 1990. She received the WMU Alumni Association's Teaching Excellence Award and a Distinguished Faculty Award from the Michigan Association of Governing Boards.

**Ed Gayagas** (BEd '62 Mānoa) is retired from the military and lives in 'Aiea with his wife. He is the immediate past president of UHAA Army ROTC Alumni Board of Directors.

**Les L. Gremett** (BA '64 Mānoa) is product support manager for S. G. I. in Mountainview, Calif. He is a former president and board members of the UHAA San Francisco Bay Area chapter. He and his wife Josephine Hefner Gremett have two grown sons.

**Darwin Hamamoto** (BS '66 Mānoa) is president of the Hawai'i Government Employees Association. He is a civil engineer for the City and County of Honolulu's Department of Design and Construction.

**George Held** (MA '62 Mānoa) published his fifth collection of poems, *Beyond Renewal*

(Cedar Hill Publications). An associate professor of English at Queens College since 1967, he is a former Fulbright lecturer in Czechoslovakia and winner of the 1999 Talent House Press Poetry Chapbook Award. He is an executive board member of the South Fork Natural History Society and co-editor of *The Ledge*, a poetry magazine.

**Jeanne W. Hiroshige** (BS '66 Mānoa) has been appointed human resources manager at Hawaiian Host, responsible for personnel administration and risk management. She has worked at Sports Shinko (Hawai'i), Queen Kapi'olani Hotel, Ocean Resort Hotel Waikiki and Diamond Head Beach Hotel and held positions in state government.

**Ralph Iwamoto Jr.** (BS '65 Mānoa) received the UHM College of Tropical Agriculture and Human Resources 2001 Outstanding Alumnus Award. A native of Moloka'i, he has worked with the U. S. Department of Agriculture for the past 30 years, serving at Hilo, Honolulu and John F. Kennedy International Airports and in Guam, Jamaica, Mexico, Costa Rica and Nicaragua. In 1993 he was named the first regional director for the Asia and Pacific Region, responsible for plant and animal health issues in Japan, China, Korea, Australia, New Zealand and Taiwan. He is now associate director of the APHIS International Services Branch.

**Patricia Young Lee** (JD '65 Mānoa) was appointed to the UH Board of Regents. A partner with the law firm Goodsill Anderson Quinn and Stifel, Lee was a UHM assistant professor of French before attending law school. She is a member of the Hawai'i Bar Association and Honorary Consul of France in Honolulu.

**Ashok K. Malhotra** (PhD '69 Mānoa), a 2000 East-West Center Distinguished

Alumnus, received the 2001 State University of New York Distinguished Teaching Professorship Award. He has taught philosophy at SUNY Oneota since 1967. He developed the college's study abroad programs in India and helped found the Indo-International School. He is raising funds for new school construction and earthquake relief in India.

**Alfred Puulooa Maneki** (BA '64 Mānoa) is a mathematician with the U.S. Department of Defense in Elkridge, Md. He is a member of UHAA National Capitol Region chapter.



**Floyd Warren McCoy** (MS '65, BS '62 Mānoa) is a UHM graduate faculty member in geology and geosciences and the graduate certificate program in maritime archaeology and history. He is also a faculty member at Windward CC. His new book *Volcanic Hazards and Disasters in Human Antiquity* includes papers from around the world.

**Ronald K. Migita** (BBA '66 Mānoa) was elected president of the Aloha Council Boy Scouts of America at its annual meeting. He is a lifetime resident of Hawai'i and vice chair and chief executive officer of City Bank.

**Peter Espejo Patacsil** (BS '60 Mānoa) is associate professor of mathematics at the University of Guam in Mangilao. Patacsil is a member of the Research Advisory Board, American Biographical Institute. He received the Ancient Order of the Chamorro in 1978 from the governor of Guam and in 1998 he received the California State Numismatic Association's First Place Literary Award. He is married to Julia Elizabeth Leon-Guerrero Patacsil. They have two grown children, Peter and Catherine.

**Aziz Husain Poonwala** (MBA '66 Mānoa) is chief executive at Axfam Technologies in Pakistan. He serves as director of Saritow Spinning Mills, Ishtiaq Textile Mills and the Pak Cabled Limited and Nyamat Multipurpose Credit Society.

**Carol Pregill** (BS '68 Mānoa) is executive director of Retail Merchant Association, dedicated to advancement and success of the retail industry in Hawai'i. She was previously president of Hawai'i Fashion Association, deputy executive director of Hawai'i Publishers Association and program coordinator of Hawai'i Food Industry Association.

**R. C. Saxena** (MS '66 Mānoa) retired as principal scientist and coordinator of Finland-UNEP Neem Awareness Project at the International Center of Insect Physiology and Ecology. Saxena retired to Haryana, India, after working overseas for the past 25 years in the Philippines and Kenya.

**Carol Sumii (Abe) Sullivan** (MEd '67, BEd '66 Mānoa) is state parent facilitator and Parent Empowerment Initiative program coordinator with the Hawai'i Department of Education. She is married to **Michael Patrick Sullivan** (BA '68 Mānoa) and has been active in community affairs as KKI president, Pi Lambda Theta treasurer, Kailua Christian Women's Club telephone chair, Hawai'i Kai United Church of Christ Council secretary and alternate to the Pi Lambda Theta Biennial Convention.

**Roy K. H. Wong** (BA '67, MD '63 Mānoa) is chief of gastroenterology at Walter Reed Army Medical Center in Washington, D.C., and a professor of medicine and director of

Photo: Marc Charnow

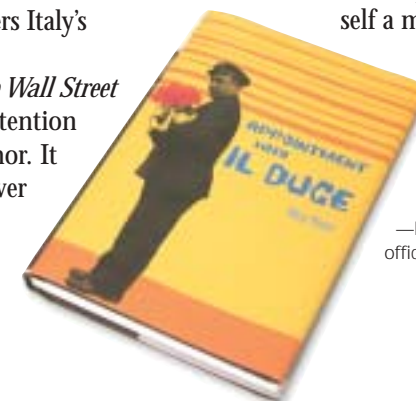
## Profiles

Hozy Rossi  
The labor of writing

Writing a novel is like running a marathon, says author Joe “Hozy” Rossi (BA '87 Mānoa), who makes his award-winning debut with *Appointment with Il Duce*. “It's slow. You need to be focused on what you're doing at the present time and not be thinking you have 25 more miles to go, otherwise you'll get depressed.”

Rossi spent three years laboring on the 255-page book, which has been well received. Set in the 1920s, *Appointment with Il Duce* is a light comic biography of young Beppe Arpino, a boy who is mentored by the town's priest and introduced to the cello and dentistry. Ultimately Beppe chooses dentistry over music. In a series of bizarre twists and turns he finds love while examining a patient's teeth and later encounters Italy's Benito Mussolini, thus the title.

Reviews by the *Baltimore Sun*, *The Wall Street Journal* and the *New York Times* call attention to the book's originality and light humor. It was named a Barnes and Noble Discover Great New Writers selection. *Village Voice* selected the book as one of the top 10 must-reads for summer 2001.



Rossi found writing a lonely, solitary experience. As with running, self-discipline was tested, the end never seemed near and sacrifices were made. And, some days he just didn't feel like getting up. There were full days when all he wrote was one sentence, other days, one page. “You never know when it's going to be a good day or a bad day,” he adds.

The Hawai'i transplant, who moved to San Francisco in 1992, credits a UH professor for shaping him as a writer. At Mānoa, Rossi started as a business major, planning to be an accountant. It wasn't until he took a poetry workshop class from Professor of English John Unterecker that he realized his love for writing.

“It changed everything,” Rossi says about Unterecker's influence. “There's something about language that he really loved. When he talked about poetry, he just made it exciting.” Rossi took three classes from Unterecker. He found the professor to be very approachable, as were other instructors in the department.

“At that age, when someone encourages you at what you're interested in, it's profound,” recalls the 36-year-old writer. Rossi chose English over business. Unterecker became his mentor and friend.

UH degree in hand, Rossi accepted a position as a producer/writer for KHET, Hawai'i Public Television. He later worked for the university's Center for Oral History before moving to San Francisco and working for various computer magazines. He obtained a master's degree from Washington University in St. Louis in 1997, writing short stories about his experiences in Hawai'i and San Francisco.

Then a friend suggested setting a story in the past in an unfamiliar setting. The idea for *Il Duce* originated in an interview Rossi had conducted for the Center for Oral History. Public school teacher Virginia McBride began talking about her father by saying, “Some people wanted him to go into music rather than dentistry.” The unexpected comment struck a chord with Rossi. “From that sentence I tried to write a book to explain why someone would choose dentistry over music.”

Elements of the book are autobiographical. Rossi is named after an uncle who is a dentist. His dad's family is Italian and he spent time traveling in Italy. Rossi is himself a musician.

He is now a news producer for a nature Web site called eNature.com.

But like a runner back in training, he is already pacing himself, writing his second book. ☺

—by Jenny Tom (BA '96 Mānoa), a UH public information officer and master's degree candidate in communication.



the Division of Digestive Diseases at the Uniformed Services University of the Health Sciences in Bethesda, Md. Wong, a colonel in the U.S. Army, is looking for other members of the first JABSOM graduating class. E-mail wongo9@aol.com.

1970s

**Richard B. Baldauf Jr.** (PhD '75, MEd '70 Mānoa) is associate professor and director of the Language Center, University of Sydney. He is also executive editor of Current Issues in Language Planning.

**Jeanne Barrett** (1971 Mānoa) has been promoted to human resources manager at AIG Hawai'i, serving both AIG Hawai'i and Hawai'i Insurance Consultants.

**Cathy Blackburn** (BFA '78 Mānoa) is chief museum designer at the Frye Art Museum in Seattle. She acknowledges the design foundation she received at Mānoa from faculty members Ken Kingry, Jean Whlig and Bob Turnbull. Blackburn and her husband **Steve Blackburn** (BS '79 Mānoa) live with their three boys in the Seattle area.

**Patricia Lanoie Blanchette** (MD, MPH '79, BA '74 Mānoa) is president of the John A. Burns School of Medicine Alumni Association. She is a UH professor of medicine and heads the geriatric medical program.

**Francis V. Carlos** (BA '78 Mānoa) is director of procurement and subcontracts for United Space Alliance in Houston, Tex. The ROTC alumnus earned his MBA at Central Michigan University.

**Christopher L. Cook** (BA '72 Mānoa) is media manager for Pulitzer Newspapers Kaua'i World.com, the Web site of *The Garden Island* newspaper in Lihu'e.

**Stu Glauberman** (MA '78 Mānoa) has been named staff vice president of corporate communications at Aloha Airlines. He previously served as vice president of the travel and tourism division at McNeil Wilson Communications and worked at the *Honolulu Advertiser* and *Star-Bulletin* newspapers.

**Angie Golis-Yamamoto** (BA '79 Mānoa) is director of development at the UH's Cancer Research Center, in charge of securing major gifts for cancer research. She has also been a fundraiser for Damien Memorial High School, Academy of the Pacific and the American Heart Association.

**William F. Haning III** (MD '75 Mānoa) has been named associate dean for postgraduate medical education at the John A. Burns School of Medicine. He is an associate professor of psychiatry at the school.

**David R. Hargis** (MS '71, BS '69 Mānoa) received his PhD in hydrology and water resources from the University of Arizona in

1979 and is president and CEO of Hargis and Associates, consultants in hydrogeology and environmental engineering with offices in San Diego, Phoenix, Tucson and Dallas. A nationally recognized expert in groundwater contamination, he resides in La Jolla, Calif.

**Eric Hee** (BS '78 Mānoa) is vice president of Engineers Surveyors Hawai'i.

**Kevin M. Iwamoto** (BBA '77 Mānoa) was elected president of the National Business Travel Association. He is global airline/car travel supplier manager for Hewlett-Packard. He previously held positions at several major airlines including Northwest/KLM, Hawaiian Air and Pan Am. Most recently he was senior travel account manager for the Walt Disney Company.

**Kathleen T. (Yokote) Kano** (BA '79 Mānoa) is senior vice president of commercial lines-client services for Atlas Insurance Agency in Honolulu. The Wailuku native has 22 years experience in the insurance industry. She and her husband Reed Kano have two children, Davin and Kalen.

**Patricia Ann Kuentz** (BS '72 Mānoa) is responsible for three medical clinics as regional clinic manager for Health Partners in Minnesota. Kuentz is a member of the UH Nursing Alumni Association.

**Gary A. Kugler** (MPH '76 Mānoa) works with the North Carolina Department of Health and Human Services Division of Medical Assistance, Managed Care Section, as information systems manager. He and his wife Eileen Kugler have two sons, Jason and Jeffrey.

**Roberta Wong Leung** (BA '71, BBA '70 Mānoa), former TIM International, Inc. president, is chief instructor with the Vocational Training Council, Hospitality Industry Training and Development Centre in Hong Kong. She supervises both the Pokfulam and Kowloon schools.

**Teresa Haunani Makuakane-Drechsel** (BA '75 Mānoa) directs the post-high school counseling program for Kamehameha Schools in Honolulu. She is married to Emanuel Johannes Drechsel.

**Floyd Matsuda** ('77 BA Hilo) has been named vice president and chief technology officer by the National Board for Professional Teaching Standards. He brings more than 20 years of information technology experience from GM, IBM and First Insurance of Hawai'i to the independent, nonprofit organization.

**Gerald Morihara** (MBA '70, BBA '65 Mānoa) is chief administrative officer of Kamehameha Schools, overseeing information technology, human resources, facilities management and planning and records management. Formerly in the Air Force and the Air Force Reserve, Morihara began his career in

education as a UH management analyst and served as dean of the UHM College of Continuing Education.

**Melvin S. M. Ozeki** (BA '73 Hilo) is editor and publisher of *Ohana* magazine. He resides in Las Vegas with wife Emily Bernice Ozeki.

**Richard James Sciaroni** (MA '74 Mānoa) is a partner with Long and Levitt in San Francisco, Calif. He is married to Jacqueline Claire Finley. They have two grown children, Thomas and Christine.

**Wesley R. Segawa** (BS '75 Mānoa) was named 2001 Engineer of the Year by the Hawai'i Society of Professional Engineers, Big Island Chapter, for his achievements and contributions to the profession and the community. He chairs the Housing and Community Development Corporation of Hawai'i and the Pukahi District of the Aloha Council Boy Scouts of America. His business, Wesley R. Segawa and Associates is in its 20th year of business.

**Beppie Shapiro** (PhD '79, MEd '75, MA '68 Mānoa) is a UHM associate professor with the College of Education Center on Disability Studies.

**Hong-Keun Sohn** (PhD '70, MS '69, MBA '67 Mānoa) is professor of economics at Konyang University, Nonsan, Chungnam-Do in South Korea. His latest book is entitled *All Things Korean* (in English). The publication is based on the past four years of column articles he has written for *The Korea Times*, an English daily in Seoul. The book offers analysis and policy suggestions related to the Korean economy, culture and education since the 1996 economic crisis.

**Jeanette (Chikamoto) Takamura** (MSW '72, BA '69 Mānoa) was appointed to the Edward R. Roybal Endowed Chair in Gerontology and Public Service at California State University, Los Angeles. As former U.S. assistant secretary for aging, Takamura oversaw the largest funding increases since 1972 for Older Americans Act programs and services. She is a member of the national board of the Older Women's League and Center for Strategic and International Studies Global Aging Commission.

**Wendy M. Takeshita** (BS '76, Mānoa) is president of The Queen's Health Care Centers and a member of the UH Nursing Alumni Association.

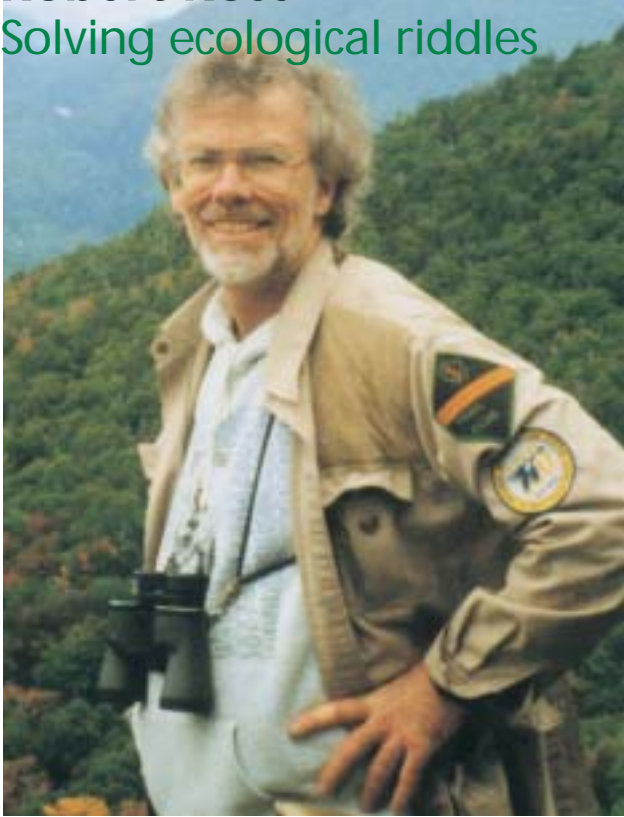
**Paul See Fan Tse** (MBA '78, BBA '76 Mānoa) is director of Keck Seng Investments, Hong Kong. He is married to **Pauline Kwai Wah Chung Tse** (BBA '77 Mānoa).

**Trisha Lynn (Kono) Tubbs** (1967–70 Mānoa) is director of SoftResources in Seattle. She received a bachelor's degree from Bucknell University and and master's from Drexell University. Tubbs is active in Leadership Tomorrow, the Maltby Community Club, the American Marketing Association and the Children's Hospital/Magazine Guild. She lives in Seattle with husband John Tubbs.



Profiles

Robert Ross  
Solving ecological riddles



From a very young age, Robert Ross (PhD '83 Mānoa) knew exactly what he wanted to do when he grew up. “There was never any question in my mind what my career interests were from an early age, even 12 or 13,” he says. “I grew up in a rural setting, did not get involved in sports and related with keen interest to my outside environment, especially birds.”

With binoculars in hand, Ross would venture outside his home in Greenville, Pa., and list the various bird species he'd spot in the woodlands and fields nearby. His bible was an advanced biology book, a gift from his father in the seventh grade. “I read and fully absorbed this book,” Ross says. “By the time I took my first biology class in 10th grade, the teacher couldn't ask a question but what I had my hand up with the answer, to the point that I believe I became an annoyance.”

Ross, now an accomplished ecologist for the U.S. Geological Survey in Pennsylvania, has done technical research on species many people have never heard of, such as the saddleback wrasse fish and the hemlock

woolly adelgid insect. Nonetheless, his studies on birds and fish have led to major breakthroughs in the ecology community, aiding efforts to conserve the nation's natural resources.

His proudest research accomplishment was determining how saddleback wrasse fish change their gender during the course of their normal life cycle from female to male. He found that sex change is influenced by the wrasses' social environment and their assessment of their size relative to the majority of fish of their kind in their home range.

Such questions keep Ross on his toes. “I'm interested in the natural resource problems identified by agencies such as the U.S. Fish and Wildlife Service, National Park Service and state environmental agencies. It provides an opportunity to match my expertise and research interest with the appropriate problem and conceptualize approaches or methods to solve the problem, while at the same time advancing our knowledge of scientific principles through publication of the results of the studies.”

Ross has spent eight years studying the double-crested cormorant, trying to determine the bird's diet and ecological role in the Great Lakes. The species has experienced a population explosion, creating competition with fish harvesters. He also studies the impact of the tree-killing hemlock woolly adelgid on water and land animals in the northeastern United States.

The ecologist owes his growth as a scientist in part to UH. “The University of Hawai'i provided me with a supportive environment in which to acquire, polish and practice my skills as a career scientist,” Ross says.

“Challenging programs, outstanding professors who are leaders in their own fields and opportunities to teach in my graduate field were instrumental in my professional development.” Ross was an assistant professor of zoology at UH in 1983.

He is considering a return to teaching. “I would love to come back to UH someday, given the appropriate circumstances and opportunity. I will undoubtedly return to enjoy the beauty of Hawai'i, if not to work there again.”

Ross offers this advice to current UH students: “If you have a real love of your field and your career aspirations, don't worry about the job market. You will get where you want to go even if it's not with the exact time frame you had in mind.”

His advice:  
don't worry  
about the job  
market

—by Kiele Akana-Gooch, a UH Mānoa journalism major and University Relations student writer





**Artie Wilson** (BA '74 Mānoa) is a partner at Prudential Locations and president of the UH Letterwinner's Club, an alumni organization for former UH Mānoa athletes. He and his wife Lissa Wilson have three daughters.

**Ronald G. Wilson** (MPH '73 Mānoa) is moving from Geneva to the U.S. after more than 35 years abroad working in international health, including 10 years on UH projects in Thailand and Micronesia.

**Creighton T. C. Wong** (BBA '76 Mānoa) has been named regional supervisor for the Los Angeles office of Dopkins and Company, certified public accountants and consultants. Wong coordinates and reviews field examinations with national lenders.

**Patrick K. M. Young** (BS '76 Mānoa) is president of the Leong Doo Society of Hawai'i and serves on the board of the Zhongshan Association of Hawai'i. He is former president of the Buck Toy Society. Young is employed at the state Department of Hawaiian Home Lands.

**Joseph (Sai Bun) Yung** (BBA '76 Mānoa) works at the Regal Hotels International in Hong Kong.

1980s

**Sharon Benoit** (MPH '84 Mānoa) is president of PharmaResearch Corporation in Research Triangle Park, N.C. The firm develops treatments for life threatening illnesses including malaria, HIV disease and hepatitis—a pursuit in keeping with her academic focus on international health.

**Gerald A. Brase** (AA '86 Windward, AS '84, Honolulu) is working at Edwards AFB in California as a fire department battalion chief. He supports aerospace test projects including the space shuttle, F-22 and next generation advanced tactical fighters.

**Liana L. Bratland** (BBA '88 Mānoa) is chief of military personnel division of 556 Personnel Services Branch and lives in Kailua. She is an officer on the UHAA Army ROTC Alumni board.

**Christine L. Carter** (MPH '82, PhD '79, MS '75 Mānoa) lives in Rockville, Md., where she works as a population geneticist for Celera Genomics.

**Peter Kun Frary** (MA '86 Mānoa) is an associate professor of music at Leeward CC, where he teaches classical guitar, guitar ensemble and music theory. He also plays solo classical guitar recitals throughout the state and performs with his wife Se Il Pak Frary as the Frary Classical Guitar Duo.

**Janet L. Gerard-Anderson** (BA '80 Mānoa) is public affairs specialist for the national Federal Emergency Management Agency in San Francisco. She and her husband Lawrence E. Anderson have three grown children, Joseph, Jon and James.

**Sheree H. Higashi** (BA '85 Mānoa) moved to Seattle in 2000 to work in human resources for a Fortune 500 company in Seattle. She survived her first winter and her first big earthquake and hopes to pass on the Aloha spirit.

**Thomas Hilgers** (PhD '80, MA '77 Mānoa), UHM professor of English, received a 2000-

2001 Fulbright scholar grant to work in Thailand offering teaching with writing faculty workshops at eight universities, including Chiang Mai and Prince of Songkla. He has taught at Mānoa since 1993 and directs the Mānoa Writing Program.

**David Y. Ige** (MBA '85, BS '79 Mānoa) is vice president of engineering at NetEnterprise, the leading provider of data center, hosting and network integration services in Hawai'i and in the Pacific. A senior member of the executive team, Ige brings more than 20 years of experience in managing technology and telecommunications operations. Ige is also a Hawai'i state senator.



**Robert Kamemoto** (MBA '82 Mānoa) is senior vice president and division manager of Central Pacific Bank with responsibility for the corporate banking division. He joined the bank as a loan trainee in 1980 and was promoted to vice president in 1988 and division manager in 1999.



**Debbie Kelsey** (BEEd '83 Mānoa) is the student activities coordinator, choral director and yearbook adviser at the UH Laboratory School in Honolulu. She is also music director at the University Avenue Baptist Church and a member of Ka Waiola O Na Pu Kanileo chorus and the Hawai'i Opera Theatre. Husband **Chris Kelsey** received a BA in English from UH in August 2001. Their son Quinn will graduate this spring with a BA in music. Daughter Blythe is working on a performance degree in music at an East Coast college.

**David Kozuki** (BBA '89 Mānoa) is senior strategic alliances manager of Sylanro Systems in the San Francisco Bay Area.

**Milly Edith Krause** (BA '84 Mānoa) is a first grade teacher with Chickasaw Elementary School in Orlando, Fla. She is married to Donald A. Krause and they have two grown sons. She is a member of the Joint UHAA/EWCA Florida chapter.

**Melinda Susan Maltby** (BA '85 Mānoa) is a library assistant with the Hawai'i State Library system. Her mother **Joyce Maltby** (MFA '85 Mānoa) and her sister **Rebecca Maltby** (BA '86 Mānoa) also received UHM degrees.

**Thomas Howard Nash** (MA '83 Mānoa) is associate professor of English at Fu Jen Catholic University in Hsinchuang, Taipei Hsien, Taiwan.

**Yumiko Okamoto** (PhD '89 Mānoa) is an associate professor at Nagoya University in Japan.

**Michael F. Nauyokas** (JD '89 Mānoa) received the Kapi'olani CC 2001 Award for Excellence in Teaching. He has taught in Kapi'olani's Legal Education Department for more than a decade. An expert in employment and labor law, Nauyokas is an active attorney, mediator and arbitrator and publishes regularly

in journals such as the *University of Hawai'i Law Review* and the *Hawai'i Bar Journal*. His peers have honored him with Martindale-Hubbell's "AV" rating, the highest possible.

**Trudy Senda** (JD '83 Mānoa) was appointed district court judge for the fifth judicial circuit (Kaua'i).

**Lorraine Pualani Shin** (BBA '83 Mānoa) has been appointed Hawai'i state director for Rural Development by the U.S. Department of Agriculture. A native Hawaiian from Hilo, Shin is president and owner of the Polynesian Management Corporation and the Polynesian Ho'o Ponopono Corporation property management firms, which specialize in commercial and residential properties. She is past president of the East Coalition for the Homeless and a former commissioner for the Hawai'i County Board of Ethics.

**Andrea Analani (Ambrose) Shipley** (BBA '89 Mānoa) is technology support group manager at United Parcel Service in Sacramento, Calif. She and her husband **Robert M. Shipley IV** (BBA '88 Mānoa) celebrated their 10th wedding anniversary in Vancouver with their two children Andrew and Stephanie before relocating to California.

**Samuel Shomaker** (MD '86 Mānoa) is vice dean for academic affairs at the John A. Burns School of Medicine. Prior to this appointment he was senior associate dean at the University of Utah School of Medicine.

**Richard Kazuhiko Takahashi** (MBA '82 Mānoa) is benefits manager at Lawrence Berkeley National Laboratory in California. He is married to Hitomi Maeda Takahashi.

**Mark Troy** (PhD '83 Mānoa) has released his first electronic book, a private eye novel *Piliikia is My Business*, published by LTD Books. Troy and his wife are on the staff of Texas A & M University. One of his stories "The Montessor Hit," published in *Murderous Intent Mystery* magazine in 1999, won the Edgar Allan Poe Sesquicentennial Homage Award from the Short Mystery Fiction Society. Visit his Web site at [www.tamu.edu/marshome/staff\\_pages/murder.html](http://www.tamu.edu/marshome/staff_pages/murder.html).

**Toni Yamada Wall** (BBA '84 Mānoa) is founder and chief technology officer of Yozons, a Seattle-based e-signature service provider.

**Carmen Aquino Young** (MPH '80, BS '79 Mānoa) is a nursing instructor at Kapi'olani CC specializing in gerontology.

1990s

**Kathryne Auerback** (BA '96 Mānoa) is a consultant with Orion Marketing Group in Madison, Wis., where she moved to pursue an MA in English literature. She has two boys,

Send Class Notes information and photos to [ur@hawaii.edu](mailto:ur@hawaii.edu) or **Mālamalama**, 2444 Dole St., BA 2, Honolulu HI 96822. Please include the campus(es) you attended and year(s) you graduated and indicate if your name has changed.

Profiles

Denby Dung  
The power of music



Opera singer Placido Domingo once said, “the high note is not the only thing.” Winning the Miss Hawai'i crown last June was a high note for Denby Dung, but it is definitely not the only thing. The 24-year-old UH Mānoa graduate exuded poise during her victory walk as Miss Hawai'i 2001, but she also knows what it's like to be a late bloomer. She experienced low notes as an overweight child and teenager. Music was instrumental in lifting her up.

“Music helped me through a difficult period of my life when I couldn't express how I was feeling,” says Dung, reflecting on her awkward childhood. “Recent studies show how music increases self-esteem, which it did for me.” The confidence she gained by belonging to the school band and excelling in music gave her the courage to do things she had never dreamed of doing, like joining her high school track team and entering beauty pageants.

Dung began serious study of music under the guidance of UH Professor Henry Miyamura while still a senior at Roosevelt High School. Miyamura confides that Dung had a slow start. “I thought of her as a very quiet student, almost passive,” he recalls. He encouraged Dung to continue her music studies at UH Mānoa, and he enjoyed watching her blossom into an accomplished clarinetist and saxophonist.

Another UH music professor helped Dung develop her pageant platform, which she calls “The Music Effect.” Because Dung is an excellent role model for young people, she can be a strong advocate for music education in our schools, says Assistant Professor of Music Education Arthur Harvey.

“As Miss Hawai'i, I'm concentrating on getting music curriculum into our schools. I want to make people aware of how important it is,” Dung says. Additional first-hand experience helped fuel her passion about her cause. After graduating with a UHM bachelor of education in secondary music in 2000, Dung spent many frustrating months searching for a job. She learned that music is considered an elective at most schools, an expendable extra in the curriculum.

Perseverance finally paid off; she secured two jobs. She was hired as full-time musician with the Royal Hawaiian Band and a part-time music teacher and choral director at Trinity Christian School in Kailua. UH prepared her well for her dual role, she says. “Professor Miyamura taught me that I had to be a good performer in order to be a good teacher. My performing helps me to be a better teacher and teaching helps me to be a better performer.”

“Denby's a fine example of a person with good character, musical competence and interest in people,” says Harvey. “She realizes music is not an end in itself, but a means to an end, and she is keeping that balance with her work.”

Dung can cite studies documenting that music raises SAT scores and aids in personal development. Still, she realizes it is a challenge to convince everyone of the importance of music, and she's prepared for an uphill battle. “I'm learning a lot about government and exactly

how you get funding for things like music education,” she says. Given her record of success, count on some more high notes ahead. ☺

—by Stacy Yuen Hernandez, a Honolulu freelance journalist



one in 2nd grade and one in 10th, and recently bought a home in Madison.

**Allen Awaya** (EdD '95, BEd '72 Mānoa) is a program analyst at US CINCPAC at Camp Smith after nearly 20 years of teaching English and social studies at Waipahu, Campbell and Kahuku high schools and teaching at UH 1993–2001.

**Peter K. Bryant-Greenwood** (MD '97 Mānoa) has finished a residency in anatomic pathology and is doing a fellowship in cytology and molecular pathology at the National Institutes of Health.

**Edward M. Dela Cruz** (AS '96 Kapi'olani, AA '94 Honolulu) is a network specialist in the Northern Marianas College Information Systems Department. He is certified by Microsoft, CompTIA Network and Cisco.

**Taletha M. Derrington** (MA '97 Mānoa) is one of only 30 fellows in Zero to Three's Leaders of the 21st Century program, a leadership development initiative aimed at improving the lives of very young children. Derrington, a project coordinator for Strategies for Effective and Efficient Keiki Find, will focus on improving communication between early intervention programs and primary care physicians.

**Michelle Debra Giron Dizon-Sibal** (1995 Mānoa, AA '95 Honolulu) teaches English at Simon A. Sanchez High School on Guam. She is pursuing a master's degree in educational leadership with the University of Portland.

**Alvin Giron Dizon** (BEd '95 Mānoa, AA '93 Honolulu) was voted an outstanding teacher during the Week of the Classroom Teacher at Benavente Middle School on Guam. He has taught at Farrington High School and at Guam Community College.

**Stacy Kawasaki Djou** (JD '97 Mānoa) is an associate with Cades Schutte Fleming and Wright law offices in Honolulu.

**Ariana Eichelberger** (MEd '97 Mānoa) is a junior specialist grants manager at the UHM College of Education.

**Joyce Gepitulan** (BS '96 Mānoa) is quality control supervisor and product development assistant at Hawaiian Host, responsible for improving the candy maker's products and monitoring the effectiveness of its quality control program.

**Grant Gurtiza** (BS '95 Mānoa) is network manager for Island Insurance Company. He is responsible for network and data center operations. He previously served for four years with KPMC as technical associate.



**Elmer Guzman** (AS '90 Kapi'olani) works as a sous chef for Sam Choy's restaurants. He worked for chef Alan Wong on the Big Island before receiving one of 10 national apprenticeships at the Greenbrier in West Virginia. He also worked as sous chef in Emeril's New Orleans restaurant, where he combined Cajun and Asia/Pacific Rim cooking to create "Casian."

**John K. Kingsley** (BA '98 Mānoa) received the French government's Diplome for his participation as a tank officer in the Liberation of France (1944-45). He was accompanied by his wife **Diane A. Scoville-Kingsley** (BA '95 Mānoa) for the presentation, made at the Hawai'i state capitol. He also received the Central Intelligence Agency unit commendation for service with Air America in Southeast Asia during the Cold War (1965-68).

**Terri Kondo** (JD '93 Mānoa) is a law associate with Watanabe Ing and Kawashima in Honolulu.

**Cecilia Chiu Yin Lau** (MBA '93, BBA '90 Mānoa) is director of sales and marketing at the Parkhill Hotel in Vancouver, British Columbia. She and husband Vincent Yu Bun Chiu have a child named Vittorio.

**Vincent Glen Learned** (BBA '99 Mānoa) is a property and casualty associate with Marsh U.S.A. He is a former UH presidential scholar.

**Christine Noelani Maii** (MBA '97 Mānoa) is marketing and project manager for Akimeka, a Honolulu software company. Maii is president of the Japan America Institute of Management Science and a member of the Pacific-American Foundation, Japan Exchange and Teaching Alumni Association and Japan-America Society of Hawai'i.

**Donald N. Memer Jr.** (1990–91 Mānoa), a teacher at Hilo High School, was awarded a fellowship from the James Madison Memorial Fellowship Foundation of Washington, D.C., to further his study of American history.

**Alfred Juan Mina** (BA '96, BS '95 Hilo) is a veterinarian with the Pet Hospital-Hilo.

**Pamela Morimoto** (MD '96, BA '91 Mānoa) has completed three years of residen-

cy in general surgery at Virginia Mason Hospital in Seattle and a one year micro-surgery fellowship and one year burn fellowship, both in Texas.

**Scott G. Morita** (JD '98 Mānoa) is an associate with Goodsill Anderson Quinn and Stifel concentrating in litigation. He was formerly law clerk to First Circuit Court Judge Kevin S. C. Chang.

**Miles Hiroki Murakoshi** (BBA '99 Mānoa) is a computer programmer with the Hawai'i Department of the Attorney General, Child Support Enforcement Agency. He is a volunteer technician with the New Hope Church sound team.

**Dan Obuhanych** (JD '98 Mānoa) is an associate with Cades Schutte Fleming and Wright law firm in Honolulu.

**Jerome Peter Florentino Padua** (BS '99 Mānoa) is a lobby receptionist at the Halekulani Hotel in Waikiki.

**Helene Gay Parker** (JD '95 Mānoa), formerly a prosecutor with the Office of the Attorney General in Texas, is now managing partner of Parker and Associates. She practices family law, specializing in interstate and international child support litigation, and estate planning. She is also a certified mediator.

**Jeff Michael Rebudal** (BA '90 Mānoa) is assistant professor of dance at Connecticut College who has performed and choreographed widely. His New York-based contemporary dance company, Rebudal Dance Group, premiered works in September that explored gender issues and drew on his Filipino heritage.

**Morag Rice** (BA '95 Hilo) received the 2000–01 Outstanding Student in Elementary Education Award from UH Hilo.

## Profiles

### James H. Roberts From football to financier



A poster boy for the prototype student-athlete, Jim Roberts has demonstrated the international value a UH education brings to the table. But who would have thought this education major would end up in the high-stakes world of international finance? Growing up in Oklahoma, Roberts gave little thought to attending the University of Hawai'i. His athletic ability drew the university's attention however, and the UH football coaching staff recruited him vigorously. For a young man interested in seeing what lay beyond the Sooner State, college in the Pacific set the stage for a life journey that has taken him around the world.

A senior international finance officer for a European multi-national corporation, Roberts started his circuitous career path as a freshman football recruit in 1964. After lettering four years as a Rainbow running back, Roberts received his bachelor's degree in physical education in 1968 and was honored as the Outstanding Student in the College of Education that year. Along the way he also garnered NCAA Academic All-American honors, which

qualified him for a graduate student scholarship. Dabbling in Honolulu commerce as an undergraduate had piqued Roberts' interest in business, so he enrolled in UH Mānoa's MBA program. Outside of the classroom, he supplemented his income by serving as a graduate assistant football coach under the late Dave Holmes.

After receiving his MBA in finance, Roberts journeyed to Sydney, Australia, to work for Citibank. Three years later he returned to Honolulu for a position with C. Brewer, eventually becoming that company's youngest-ever treasurer. Impressed with his performance, C. Brewer's parent company, IU International Corp., made him an offer he couldn't refuse. Roberts and his wife **Julie Johnston** (MEd '70, Mānoa) headed east to Philadelphia, where he became vice president for planning and operations analysis. When IU International was acquired in a 1988 takeover, Roberts took a year off to attend Villanova University, where he did post-graduate work in advanced accounting and taxation. He completed the certified public accountant examination, receiving both national and Commonwealth of Pennsylvania honors for his exam results.

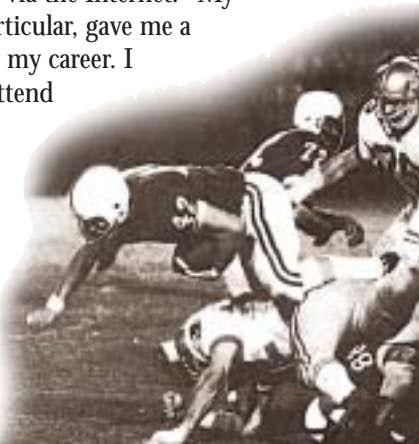
Roberts joined Vivendi Universal in Philadelphia, a multi-billion-dollar Paris-based environmental and communications group. The family, now including daughter Jess, was eventually enticed to cross the Atlantic to work in France. Now fluent in French, Roberts has moved back and forth between the London and Paris offices since 1990. He currently resides in London, where he serves as chief financial officer for United Kingdom operations in Vivendi's Dalkia Group.

Robert's success comes as no surprise to those familiar with his formidable Midwestern work ethic and good-natured personality. Although halfway around the world, he maintains his UH ties, checking UH football scores on the Web, keeping his alumni association membership current and corresponding with lifelong alumni friends still on the island (and beyond) via the Internet. "My UH education, the MBA in particular, gave me a solid basis upon which to build my career. I am convinced my decision to attend UH was the right one for me," he says.



—by Greg Johnson (BA '71 Mānoa), research administrator for the Institute for Manufacturing and Sustainment Technologies at Pennsylvania State University

For a young man  
looking beyond the  
Sooner State, college  
in the Pacific set the  
stage for a journey  
around the world





**Glenn Gregory Rimando** (BA '96 Mānoa) is fitness manager at 24 Hour Fitness Center in Mililani. He is married to Josephine Pascual Calma Rimando.

**Patti Ann Riva** (MSW '94 Mānoa) is the evening/weekend manager for Valencia Community College in Winter Park, Fla.

**Rey Rubianes** (BBA '94 Mānoa) is vice president of corporate banking at City Bank in Honolulu. After graduation, he joined the Bank of Hawai'i as a credit analyst, and then moved to Seattle where he was the youngest assistant vice president for U.S. Bank before returning to Hawai'i in 2000.

**Melissa Shimabukuro** (MS '99, BS '94 Mānoa) is an environmental specialist in the Geosciences Division of URS Corporation in Honolulu. She provides expertise in pollution control, water resources development and hazardous waste and wastewater management. URS is a national environmental consulting company with expertise in surface and air transportation design.

**Rolly Cuenco Sibal** (AA '97 Honolulu) is an intern architect with Setiadi Architectural Firm on Guam. He is studying interior design.

**Helene I. Masumura Shibata Sokugawa** (EdD '96, MBA '83, MEd '69, BS '67, BBA '66 Mānoa) is assistant to the dean at the UHM School of Architecture. She is married to **Raymond K. Sokugawa** (BBA '65 Mānoa).

**Blyne Hiromi Suzuki** (BA '98 Mānoa) is an associate member of American Institute of Architects and computer assisted design technician with Yamasato Fujiwara Higa and Associates in Honolulu.

**Chenshan Tian** (PhD '99, MA '94, MA '91 Mānoa) coordinates external programs for the UHM Center for Chinese Studies. He received the Caucus for a *New Political Science* Christian Bay Award for the best paper presented at a caucus panel at the 2000 Annual Meeting of the American Political Science Association. The winning paper is customarily published in the journal *New Political Science*.

**Shuqiang Zhang** (PhD '90, MA '85 Mānoa) is an associate professor in the UHM College of Education, Department of Educational Psychology. He lives in Honolulu with his wife Feng Ye.

## 2000s

**Jessica Donohoe** (BS '00 Mānoa) is a visual merchandiser for Ala Moana Center's Ann Taylor store. She sets the stage for merchandise promotion, which includes doing window displays and clothing arrangements.

**Christopher Duncan** (JD '00 Mānoa) is a student at the Georgetown University Law Center's program in international and comparative law.

**Gerald Dung** (MA '00 Mānoa) is an accounting clerk at Advanced Bookkeeping and Tax Service in Honolulu. He is married to Tomoko Watanabe Dung.

**Regan M. Iwao** (JD '00 Mānoa) is an associate with Goodstill Anderson Quinn and Stifel, concentrating in litigation.

**Lori Kaiser** (JD '00, BBA '82 Mānoa) has joined Goodstill Anderson Quinn and Stifel as

an associate concentrating in corporate law and technology.

**Kristine Kinaka** (JD '00 Mānoa) is a law associate with Watanabe Ing and Kawashima in Honolulu.

**Kamilla Ma'i'i** (AA '01 Kapi'olani) was honored as the Hawai'i centennial scholar by the American Association of Community Colleges and Phi Theta Kappa. The mother of three children is Honolulu service unit manager for the Girl Scout Council of Hawai'i and leader of a troop of Girl Scout cadets.

**Johanna Martin** (BA '00 Hilo) received the UH Hilo 2000–01 Outstanding Student in Secondary Education Award.

**Maria Nela Mendoza-Lemes** (MD '00 Mānoa) is a family practice resident at St. Luke's Medical Center in Milwaukee, Wis. She is married to Michael A. Lemes.

**Elaine Mills** (2000–01 Mānoa, BA '00 West O'ahu) is vice president of the UHWO Alumni Association. She did her practicum at the Salvation Army Leeward Corps writing a grant for a Hawaiian language and multicultural program for preschoolers. Later she became the director for the funded program. She works part-time with the Department of Education as a home/hospital instructor specializing in at-risk youth.

**Jean Osumi** (BA '00 West O'ahu, MA '87, BA '51 Mānoa) has joined the UHWO Alumni Association board of directors. She met her husband Mark Hansen while working at Kewalo Basin Marine Mammal Laboratory. They have twin daughters Jordan and Laura. Osumi is working on a master's degree in counseling and guidance at UH Mānoa.

**Cheryl Ramos** (PhD '01 Hilo, MA '83 Mānoa, BA '81 Hilo), an instructor of psychology at UH Hilo, received the first PhD to be awarded at an UH Hilo commencement exercise. As a community psychologist, she will address community issues and organizations. Her specialty is organizational dynamics and management consultation.

**Will Shimabukuro** (AA '00 Kaua'i) was named the state's 2000 Concierge of the Year by the Hawai'i Hotel Association.

**William Keone Shultz** (JD '00 Mānoa) is a law associate with Cades Schutte Fleming and Wright in Honolulu.

**Dean Uehara** (JD '00 Mānoa) is a law associate with Cades Schutte Fleming and Wright in Honolulu.

**Helen Zeldes** (JD '00 Mānoa) has joined the board of Hawai'i Women Lawyers. She serves as law clerk to Judge Dan Foley.

## Carrying on at the Pentagon

**Col. Rory Cahoon** (BA '75 Mānoa) was in the Air Force section of the Pentagon, watching a TV report of the attack on the World Trade Center, recognizing that it was a carefully calculated attack, when he heard the loud boom as another hijacked plane crashed into the west side of the massive building. He and his colleagues evacuated unhurt. Cahoon, who has been on active duty since 1976, was soon back at work in offices still reeking with smoke. As chief of integration for the Air Force's \$26 billion operations and maintenance budget, he helped craft a request for emergency supplemental funding aimed at homeland defense and a range of actions to prevent terrorist actions.



**“While we coped with even longer duty days (tough work schedules are the norm in Pentagon budget offices), we marveled at the tremendous efforts made outside these walls and in New York City. Seeing the American flag unveiled over the southwest side of the Pentagon brought confidence in our country and its people,”** he reflects.

**“I was lucky to grow up in Hawai'i and be an American, enjoying freedom even during the political turmoil of the 1960s and 1970s. The terrorist attack came as a reminder that freedom is not free; it will demand sacrifices wherever freedom-loving people live. The counterattack that began 7 October starts a long-term commitment in this fight.**

**“I wish my fellow alumni and islanders the best as we face new challenges and use our collective judgment to make the right political, economic, military and moral choices to impede threats to our freedom.”**