



KŪPONO

THE UNIVERSITY OF HAWAI‘I FOUNDATION NEWSLETTER

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BATTLE OF THE MONKEY KINGS

Donors enjoy monkeying around with the cast [Page 4](#)

FOR OUR UNIVERSITY, OUR HAWAI‘I, OUR FUTURE

Q&A: UHF Trustee Richard Wacker

Richard Wacker, president & CEO of American Savings Bank, serves as a vice chair on the UHF Board of Trustees. In addition to many other accolades, he was recognized as Investor of the Year by the Hawaii Venture Capital Association.



Richard Wacker

Q: How is the business community engaging UH innovation?

A: The Hawaii Business Roundtable and the Chamber of Commerce of Hawaii are supporters of the UH Innovation Initiative because of the promise it represents for growth and job opportunities. Like several other companies, American Savings Bank has made it a priority to recognize successful innovators. It's exciting, because the more we do, the more we find!

ASB sponsors the UH Business Plan Competition run by the Pacific Asian Center for Entrepreneurship (PACE) and Shidler College of Business. We support XLR8UH, a small business accelerator program focused on commercializing UH innovations, the Blue Startups accelerator, where UH innovators have also benefited, and the Hawaii Venture Capital Association, which supports homegrown entrepreneurs. We also support emerging entrepreneurs through our commitment of \$100,000 to PACE.

Last fall ASB and Pacific Business News hosted an event with the UH Office of Technology Transfer and Economic Development to celebrate the launch of the UH chapter of the National Academy of Inventors. We had a good turnout of the business community and recognized more

than 60 UH patent holders. I think everyone was impressed – many even surprised – by the depth and breadth of research talent at UH.

We need to make it easier and grow the expectation that innovators from both the business side and the university engage regularly. When these really smart people keep bumping into each other, great things happen.

Q: What are the benefits of connecting the business community with UH around innovation?

A: For the research sector to become a bigger contributor to Hawai'i's economic growth, UH must be a source of energy, ideas, technology and talent for the whole state. Increasing the engagement between the business community and talented researchers and technical students at UH is one of the best ways to make that happen.

Many of our technology companies are smaller, and they could

benefit immensely from the tremendous capabilities that we have at UH. The benefits are also real for the larger companies. The increased engagement will benefit UH researchers, potentially creating new avenues for their work to address real-world opportunities and challenges that Hawai'i companies are striving to address.

Strong connections between university research capabilities and a motivated tech business community drive economic growth and job creation in many regions around the country. There is no reason that we can't do the same in Hawai'i.

Q: Parting thought?

A: The only way we will have the resources to meet Hawai'i's challenges is to have a strong economy and sustainable economic growth. We need to continue to diversify Hawai'i's economy. Hawai'i's unique circumstances bring practical limitations on the sectors where we can grow, but when you consider the amazing research assets that Hawai'i possesses, I am convinced that we can compete well and win in this research and technology sector ... if we work more closely and collaboratively.

Our success will create more jobs overall, but particularly in the technical fields. That will give our kids who aspire to work in science and engineering the opportunity to stay in Hawai'i, or to come home after gaining experience on the mainland. It's important for our state, our companies and our kids.

USA FUNDS:

Creating STEM jobs for Hawai'i

On Jan. 8 Hawai'i Gov. David Ige announced a state-wide initiative involving education, industry and nonprofit sectors to strengthen Hawai'i's innovation economy and workforce, and expand education and employment opportunities for state residents.

Funded with grants totaling \$6.8 million from nonprofit USA Funds, the project aims to enhance and diversify Hawai'i's economy, prepare residents for high-paying jobs in science, technology, engineering and math (STEM) fields, strengthen teaching and learning of STEM subjects, and address Hawai'i's "brain drain" of talent.

"This transformative initiative will help ensure Hawai'i is able to create and attract the jobs of the future and fill these jobs with in-state talent," said William D. Hansen, USA Funds president and CEO.

An initial two-year grant of \$4.6 million from USA Funds to the University of Hawai'i will support a multi-faceted economic and workforce development initiative, including the following components:

- Promoting government, industry and education collaboration to determine current and future STEM workforce needs.
- Creating a continuous academic pathway in STEM fields through college.



L-R: UH Foundation President Donna Vuchinich, UH President David Lassner, USA Funds Executive VP Carol D'Amico, Hawai'i Gov. David Ige, Dawn Ige and Project Lead the Way Senior VP David Dimmett

- Supporting economic development and high-quality job creation through just-in-time workforce development.
- Improving information available to help students select the best path through education to STEM careers and help policymakers and educators better assess the outcomes of education and training programs.

In addition, the University of Hawai'i will establish a STEM Center of Excellence, which will coordinate STEM-related activities across the state.

"Hawai'i's centralized K-12 and higher education systems, which already work together closely, provide us with a unique opportunity to model for the nation how to use complex data and collaborate with business and government to understand and meet current and emerging workforce needs for an entire state," said UH President David

Lassner. "This initiative will prepare our students so that they have the skills and expertise our state needs in high-wage and high-demand STEM fields."

The program advances the Hawai'i Innovation Initiative, a public-private partnership to build a thriving innovation economy in the state and create living-wage jobs, and the Hawai'i Graduation Initiative, which aims to increase higher education opportunities and college completion, especially among Native Hawaiians and students from low-income households.

By 2017, Hawai'i is projected to need 16,000 more workers with STEM skills each year, but the state currently ranks 47th among the states in the number of STEM-related degrees awarded per 100,000 residents.

UH Mānoa Chancellor's Section: Battle of the Monkey Kings

JAN. 22 • EARLE ERNST LAB THEATRE



Dick Ching, Sau Chun Chun and Yen Chun monkey around with the cast of "Subali-Sugriwa: Battle of the Monkey Kings" on opening night.



UH Mānoa Chancellor Robert Bley-Vroman, Dr. Lee Putnam, and Kristi & Tom Gibson



Lorna Lai offers a bite to a hungry monkey before the show, amusing husband Morris Lai.

UH Mānoa & UH System Scholarship Celebration

FEB. 8 • STAN SHERIFF CENTER



Above: Lots of aloha & smiles as donors and students celebrated scholarships at this year's Chinese New Year-themed event. At right: Scholarship recipient Sarah Marshall with donor Christobel Sanders. Far right: New UH Foundation VPs for development Rebecca Smith and Tom Tseng are ready for their close-up!



UH Hilo Scholarship Celebration

FEB. 17 • UH HILO
CAMPUS CENTER
DINING ROOM

Student scholarship recipients, donors and the UH Hilo 'ohana celebrated the powerful role scholarships play in the lives of students. Dr. Barbara Arthurs, donor and retired vice chancellor for student affairs at Hawai'i CC, spoke about how her gifts help effect the change she wants to see in the world by giving students critical support. Scholarship recipients shared moving stories about their life journeys and thanked the donors for their generosity.

Photos by UH Hilo student photographer Siobhan Cogan



L-R: Garry & Virginia Maeda, Morgan Tate, Bob & Dr. Barbara Arthurs, and Patricia Dunn



Tifaine Crivello, right, talks with scholarship donor Roy Shigenaga.



Gerry Hasegawa – proud UH Hilo supporter!

Honolulu CC: Celebrate 2016! FEB. 25 • DOLE CANNERY



L-R: Capt. Nito Blas (for Pearl Harbor Naval Shipyard), Gladys Marrone (for BIA-Hawaii), Kimberly Matunis, Jason Suapaia & daughter, Karen Kamahele, Vernon Char (for Norman Loui), Ernie Martin, Jayne Arasaki and Reg Baker, Jr.

Honolulu Community College alumni and donors honored seven distinguished alumni for their professional achievements and community contributions: Jayne Arasaki, Reg Baker, Jr., Karen Kamahele, Norman Loui, Ernie Martin, Kimberly Matunis and Jason Suapaia. Community partners Building Industry Association of Hawaii and Pearl Harbor Naval Shipyard were also honored for their impact on students and community.

See more photos from these events & more at www.uhfoundation.org/news/photos.

'Ohana supports Hawaiian language

Daniel and Lydia Makuakāne's family has established an endowed scholarship to honor them for their contributions to the preservation and perpetuation of Hawaiian language and cultural practices. This scholarship will help increase the number of Hawaiian speakers by supporting students enrolled in the UH Hilo Ka Haka 'Ula O Ke'elikōlani College of Hawaiian Language.

"The college is built upon a strong historic foundation of community commitment from native speakers and families like the Makuakāne 'ohana, who have sustained 'ōlelo Hawai'i in their 'ohana across multiple generations," said Keiki Kawai'ae'a, director of Ka Haka 'Ula O Ke'elikōlani College.

"In that spirit, the Daniel and Lydia Makuakāne Endowed Scholarship will continue the legacy by assisting families, students and parents who desire to learn, increase and improve proficiency of the Hawaiian language," Kawai'ae'a said.

Daniel Makuakāne (1922-1997) and Lydia Ah Hee Makuakāne (1924-) were born in the district of Puna, Island of Hawai'i, to Hawaiian-speaking parents who lived traditional subsistence lifestyles.

Before Lydia was a week old, her paternal grandmother, Leialoha Waipa Ah Hee, took Lydia in hanai fashion to live with her in Kapa'ahu, Puna. Lydia lived there until she was 17, speaking Hawaiian exclusively at home and with her 'ohana in Puna.



Lydia Makuakāne, center, with daughters (L-R) Gail Makuakāne-Lundin, Annie Makuakāne and Teresa Makuakāne-Drechsel, and great-granddaughter Moanilehua Shimose at UH Hilo's Hale'ōlelo blessing in January 2014.

Although Daniel was not as fluent in Hawaiian as Lydia, they always spoke Hawaiian to each other and with their relatives. They also took great pride in conserving and cultivating Hawaiian plants, especially maile. Native practitioners and UH scientists alike regularly consulted with Daniel about his specialized techniques in growing this endangered plant. Like the maile, which was threatened with extinction if not cultivated properly, Daniel and Lydia knew that 'ōlelo Hawai'i would suffer the same fate if not given special care and attention.

In 1985, after the Pūnana Leo 'O Hilo was established, Daniel and Lydia took an active role in their youngest grandson's Hawaiian language education. Just as her grandmother was for her, Lydia was the primary caregiver and language resource for her grand-

son until he graduated from Ke Kula 'O Nāwahīokalani'ōpu'u in 2001. Following his graduation from UH Hilo, Lydia agreed to serve as mānaleo (native speaker) for Hawaiian language students at Ka Haka 'Ula O Ke'elikōlani College of Hawaiian Language.

"Our parents lived at a time and in a place where Hawaiian language and culture were dominant," said one of their daughters, Dr. Teresa Makuakāne-Drechsel. "They knew, however, that our experiences would be different and made sure that our core identity, values and practices were 'ohana-focused and kānaka Hawai'i. At the same time they understood the need for us to learn from the diverse teachings of others outside of the 'ohana. This endowment honors their vision of a culturally and linguistically dynamic Native Hawaiian community."

A. BRUCE ETHERINGTON:

Chair preserves architect's legacy

When one thinks of the word "architecture," what often comes to mind is the form of a structure, such as its shape and size. An often overlooked part of architecture is that every structure is not only a formation, but also a complex network of parts and pieces that must coexist within the natural surrounding environment. This philosophy formed the basis of Alfred Bruce Etherington's life work, to construct affordable housing that coexists with nature for the poor throughout the world.

In 1963, Etherington observed the two-year pre-architecture program at UH Mānoa and saw potential for improvement. Still in its infancy, architecture courses were offered through the art department and were not yet part of a formal degree program.

Fueled by his unrelenting commitment to the field, he established the Architecture Department within the Colleges of Arts and Sciences, served as the department's first chair, and established the four-year pre-architecture undergraduate degree program and the pre-professional programs in landscape architecture and interior design.

A few years later, the program's students transformed an aban-



A. Bruce Etherington

doned building and built the architecture program's first home, Hale Aloha, using refurbished construction materials and donated material.

"Bruce had a lifelong interest in material science, material properties and in living responsibly on the land," said Daniel Friedman, dean of UH Mānoa's School of Architecture. "I think his adopted home of Hawai'i reinforced his own intuitive fidelity to the idea of principled design and construction."

Understanding the relationship between human activity and the natural surrounding environment is necessary for building sustainable structures and systems, and can also elevate the quality of life for those in need. Etherington's impact extended

into the far reaches of the world, where he helped to develop low cost, quality housing alternatives for people living in impoverished regions.

His mortarless interlocking concrete block system enabled people to build their own homes affordably within a matter of days. The homes are also structurally durable for those living in areas with harsh weather conditions. His systems have been adopted by governments, private developers and humanitarian agencies worldwide to help raise people's quality of living.

In remembrance of Etherington's service to UH and his work in developing countries, a portion of his estate will establish the A. Bruce Etherington Endowed Chair for the Study of Human and Natural Systems at the UH Mānoa School of Architecture.

"I'm confident the Etherington chair will help create new horizons of research and design inquiry for our students, and help us realize the true potential of this topic," said Friedman.

"For many generations to come, the first endowed chair in the history of the program – fittingly endowed by its founder – promises to significantly advance professional knowledge and enrich the public interest."



University of Hawai'i Foundation

Office of Estate & Gift Planning

808-956-8034 • giftplanning@uhfoundation.org

www.UHLegacyGift.org

Ingersoll Rand funds UHWO facilities program

The Ingersoll Rand Charitable Foundation awarded \$25,000 to support the University of Hawai'i – West O'ahu facilities management program. This funding will support a pilot certification program for facilities managers to achieve a Sustainable Facility Manager certification through the International Facility Managers Association (IFMA).

"Commercial buildings are complex facilities. To a hospital, corporation or education system, the building itself is a critical asset for the organization to achieve its mission. The technical skills required to manage these buildings are changing as technology evolves and people's expectations around energy efficiency and indoor comfort increase," said Scott Lagana, Hawai'i business leader for Trane, a leading global provider of indoor comfort systems and services and a brand of Ingersoll Rand.

"As an industry, we need to address this skill gap by partnering with educational institutions to introduce this field to students," said Lagana. "By doing so, we can demonstrate the impact facility managers have – not only in the overall productivity of the organizations they support, but in world issues, like energy efficiency and climate change."



L-R: Josh Carpenter, Don Mitchell, Scott Lagana, Sherry Proper, Rockne Freitas and Laurie Komatsu

Buildings and facilities of all types have become much larger and more complicated. Computerized building control systems, networks and equipment devices have significantly increased the need for expertise in technical facilities management.

Two facilities management concentrations are being offered at UH West O'ahu – one in its business administration division and a transfer pathway option for community college students into its Bachelor of Applied Science program. Both options are designed to prepare students and working professionals for positions in the building and facilities management fields.