April is National Community College Month and, at all seven of the University of Hawai‘i Community Colleges, the faculty, staff, alumni, students and surrounding communities are invited to take part in the celebration. There is good reason to celebrate.

The UH Community Colleges have come a long way from their origins as

**INSIDE THIS ISSUE**

- **Chancellor’s Message**
  Dr. Joyce S. Tsunoda
- **UHCC promotion wins national award**
  TV spots receive Paragon Award
- **Science and research at a glance**
  Important scientific discoveries happening at our campuses
- **Six new careers offered in our colleges**
  Innovative programs are providing new career paths
- **EMS for the 21st century**
  Reaching the world with an on-line course

*continued on page 6*
Happy Community College Month! As you will read in this newsletter, dozens of events across all campuses of the UH Community Colleges are planned in celebration of National Community College Month. This is an ideal opportunity for us to open our doors to our communities and share our pride in who we are.

I am a true believer in the uniquely American institution of the community college. Although historically they have had an uphill struggle to gain status, I believe that today the perception of community colleges has changed for the better. I believe that status arises not from structure, but from results. Community colleges make a difference in peoples’ lives.

In the 1960’s, when our University of Hawai‘i Community Colleges were established, they shared with community colleges across the nation a common emphasis on access. Our doors have historically been open to all who could benefit from the learning opportunities we provide. Though that concept may have seemed radical in the 1960’s, it has gained mainstream acceptance over these past three decades. In fact, in the University of Hawai‘i Strategic Plan for 1997-2007, primary among the five goals for our ten-campus University System is access. We have made a difference!

Now, in the same way that our Community Colleges pioneered the concept of access, we are once again at the cutting edge of a major change in higher education. Our Excellence in Education Conference, held in March, brought us together to ask ourselves: “Who are our learners? How do we put students first and become learning-centered institutions?”

In response to presentations by keynote speakers Terry O’Banion and Constance Rice, a panel of UHCC faculty and a panel of UHCC provosts shared their thoughts and their respective visions for the future. In addition, dozens of presenters from across our campuses led group sessions sharing news about innovations in both instruction and support services. It was an exciting day—filled with challenges to long-held beliefs and long-practiced behaviors. Many questions were raised; many remain unanswered. Yet the spark of desire was tangible among participants. We are ready once again to be pioneers. In the remaining weeks of this academic year, and again in the 1998-99 academic year, teams on each campus and at the Chancellor’s Office will work to formulate appropriate “next steps.” I can think of no better questions to guide our efforts than those posed by O’Banion at the close of the Excellence in Education Conference:

1. When we complain about regulations that don’t make sense, let us determine who is keeping those regulations in place. Are we sometimes aggravating ourselves when we have the power to make changes?

2. How do we live at the edge of chaos and thrive?

3. What education do we want for our own children and grandchildren?

4. Look at the Employment Training Center. What can we learn from considering it as a potential model for our campus or system operations?

5. Look at the Richardson School of Law for the same reasons.

6. Is there a significant difference between being “learner-centered” and “learning-centered”? If so, how do we adapt?

7. Who is really in charge of change?

8. What is YOUR next step – individually – to help make your organization more learning-centered?

I look forward to working with all of you on our agenda for the twenty first century.

Joyce S. Tsunoda
Senior Vice President and Chancellor for Community Colleges
UHCC promotion wins top national award

Last year, when the Community Colleges created an ad campaign, “Every Dream Is a Possibility,” no one could have known that their dream of producing an award-winning campaign was becoming reality. But on March 17, in Charleston, South Carolina, all that changed. The TV spots, promoting the quality of the institutions, won the gold medal in the Paragon Awards, a national competition sponsored by the National Council for Marketing and Public Relations (NCMPR). The NCMPR is the largest affiliate council of the American Association of Community Colleges with over 1,300 members from more than 500 institutions.

The TV spots feature two successful community college graduates: Melinda Domenden Santhany, MD, and Thomas Wong, Royal Hawaiian Hotel’s executive chef. The ads emphasize the role the Community Colleges play in helping people attain their personal and career goals.

The spots were created and produced last spring with the invaluable assistance of Irwin Yamamoto, Mike Pecsok, and Patrick Garcia of Leeward CC’s educational media center. Talented Leeward graduate and ‘Olelo Training Coordinator Angela Angel provided interviews, facilitated editing, and gave a special “look” to the piece. The song, “Answer to a Call,” was created especially for the UH Community Colleges by local songwriter Kim Char Meredith and the campaign theme, “Every Dream Is a Possibility,” grew out of the lyrics. Tropical Jam Productions co-produced the song, which is on Meredith’s new CD, “Slender Line of Lavendar,” released March 20. Planning and support for the TV spots were provided by the Office of the Chancellor for Community Colleges through the teamwork of Community Affairs and Special Programs Coordinator Susan Lee, Director of Marketing and Fund Development Mariko Miho, Staff Development Coordinator Cammie Matsumoto, and Vice Chancellor for Student and Community Affairs Sharon Narimatsu. Lee was on hand in Charleston to accept the gold medal and reported that the competition was significant. More than 1500 entries were submitted. The judges commented that the UHCC ads were chosen for their quality, effectiveness, and focus on their target market.
**Community Colleges are known as institutions of teaching and learning, but less known are the exciting research projects that take place at our campuses. Following are a few of the projects that are in progress during National Community College Month:**

**Using the sun for discovery**

On Kaua‘i, an unmanned solar-powered airplane is being developed with NASA and the private sector along with Kaua‘i CC students and faculty. The next phase of research for the aircraft, called Pathfinder, is just beginning to get underway. It is a round of scientific missions that will include environmental testing of Kaua‘i and its surroundings. In doing so, the Pathfinder will reinforce the idea that unmanned aircraft are very useful and effective in testing the environment.

**Reaching out into the universe**

A student researcher at Honolulu CC is studying the survival of terrestrial soil bacteria in samples of simulated Martian soil (simulant) which was provided by a mainland-based researcher. All of this was predicated by the chemical analysis of Martian soil supplied by the Mars Rover last summer and the recognition that Big Island lava when pulverized had a similar chemical composition to that reported on Mars by the Rover.

**Stewards of the land**

Windward CC, with help from a NASA “Mission to Planet Earth” grant, is establishing an educational training and environmental monitoring center named Hoa‘aina. This program in remote sensing and geographic information system (GIS) will promote skills needed to study coral reefs and coastal processes such as beach erosion and the impact of sediment deposits, especially in Kaneohe Bay and the coastline adjacent to the Windward campus.

**Saving native species**

Kapi‘olani CC botany students are serving at the Lyon Arboretum in the outdoor fields, in the greenhouse, and in the micropropagation lab as plant care givers. They are working with formative plant tissue cultures to grow endangered species and cultivate various native plants. Classes were recently expanded to help the Hawai‘i Plantation Village (Waipahu Cultural Center). Students there worked on the taxonomy and care of the ethnic plants around the villages.

**Protecting wildlife**

Student volunteers in the Biology 124 “Environment and Ecology” class at Leeward CC work in the shadows of the mothball fleet under the direction of U.S. Fish and Wildlife Service personnel to monitor land and water conditions in the Wai‘awa Unit of the Pearl Harbor Wildlife Refuge. Information gathered by the students becomes part of the database used for long term management of the refuge.
New career opportunities

To stay ahead of today’s ever-changing technological and societal demands, the community colleges are constantly updating curriculum and offering new educational opportunities. Some of the latest additions include:

Aeronca 65T Restoration Project

The Aeronca 65T restoration project brings together faculty and students of the new pre-engineering program at Kapiʻolani CC and historians and curators at the Pacific Aerospace Museum, in a collaborative effort to restore a civilian, light aircraft, that was shot at during the Pearl Harbor attack. The practical experience of restoring the plane to its original condition provides students with problem-solving and critical thinking skills. The restored aircraft will be displayed as part of the Pacific Aerospace Museum located at the Honolulu International Airport upon completion.

CENT (Computing, Electronics & Networking Tech)

This new computer technology program integrates computer hardware and software education so that graduates have the capability to fully maintain and upgrade computer network systems. Now in its second semester, this industry-driven technology program offered at Honolulu CC is in high demand.

Certified Home Operator Program (CHO)

This new program provides a seamless transition from non-credit to credit instruction for students wishing to become certified home care operators. After completing the non-credit nurses’ aide course and successfully passing a certification exam, students may continue in the credit CHO courses. After completing three credits of CHO courses, the nurses aide course can be converted to eight credits, allowing students to earn a certificate of completion in CHO at Hawaiʻi CC.

Hawaiian Studies Program

Windward CC’s new Hawaiian Studies certificate program will prepare students for careers in all levels of the education profession, the visitor industry and in fields requiring expertise in Hawaiian subject matter, including performance and graphic arts. Students will take two years of Hawaiian language, Hawaiian culture and ethnobotany and choose from several others relating to Hawaiʻi, such as geology, history and music.

Maui Community Instruction in Sustainable Technologies

Students pursuing an Associate in Science degree in sustainable technology learn about alternative energy and conservation-related systems in the very environment they are studying. Students are designing and building an ecovillage on the Maui CC campus. Plans for the ecovillage include a wetland for wastewater treatment, solar thermal and photovoltaic power, an energy management system, biomass digester, and more.

Substance Abuse Counseling

This new certificate program developed at Leeward CC provides the skills and knowledge for students to become certified substance abuse counselors. The course will soon be televised via the Colleges’ HITS distance education system, so that this important program can be offered throughout the islands.
Post-secondary education has become vastly more accessible with the advancements made at community colleges.

The Community Colleges give students the opportunity to begin their liberal arts education in their own neighborhood, with college credits that transfer to the University of Hawai‘i at Mānoa, Hilo and West O‘ahu. Today, there are more liberal arts than vocational students at our Colleges.

The Colleges offer a wide range of certificate and associate degree programs in fields such as nursing and allied health services; business administration; public services such as police, fire and environmental emergency response; human services; culinary arts; computer engineering; television production; and more. Vocational training has also expanded into new areas including marine technologies, computing, electronics and networking, and aeronautics maintenance. Overall, more than 60 fields of study are available to students of every age who want to continue their education, change or advance their career, or pursue longtime interests. Post-secondary education has become vastly more accessible with the advancements made at community colleges. Through distance education, international partnerships, customized training for business and industry, and community-based programs, the colleges expand learning opportunities and reach people who might not otherwise be able to continue their education. To meet the fast-paced technological and social changes of our society, the Community Colleges continually update and
The Community Colleges go beyond responding to new career and technology needs, however; they also give back to the community through service learning programs in which students receive hands-on training while helping their community. Depending on their field of study, you might find students tutoring in high schools, providing flu shots at health fairs, or volunteering at community fundraising events.

Students can also work to protect our environment, sometimes partnering with business and government to fund and enhance their efforts. Through scientific research and technological studies that not only benefit our state, but the nation and the world, the Colleges are helping to move Hawai‘i into the 21st century.

Yet, perhaps the most important aspect of the community colleges is the unique learning opportunities they provide to help individuals attain their dreams. Through the efforts and diligence of every educator, administrator, support staff and alumnus, the Community Colleges have an important impact on Hawai‘i’s future. From the mother of five who finally returns to school to pursue the career she always dreamed about, to the businessman who wants to expand his skills and improve his profits, to the high school graduate seeking a successful future, to the international student who gains command of the English language — these are the true measure of the Community Colleges’ success.

The individual accomplishments that each Community College student and graduate make throughout his or her life truly give us something wonderful to celebrate.
The start of a thrilling career

Engstrom grew up in Park Ridge, Illinois, a Chicago suburb, and Kaysville, Utah. After graduating from high school, she ventured west in a serious search for acceptable weather, eventually settling in Honolulu. She chose Honolulu CC, as opposed to going to a four-year college, because she felt it was a good initial step into higher education. Engstrom points out, “Honolulu Community College was accessible to where I lived, but I also chose it because it was not intimidating, it was not expensive and I felt completely comfortable there.”

Engstrom studied English and philosophy at Honolulu CC and Kapi’olani CC while working as an advertising writer. She remembers, “My English instructor at Honolulu CC, Clarice Robinson Cox, was probably the most influential person in my writing career. During one class, as there had been a dock strike, and no texts available, she brought in a parachutist, who spoke to us about his avocation. When he left, she said, ‘Write about that.’ I wrote a fictional short story, and her positive reaction and continued encouragement kept me writing fiction.”

After eight years on Oahu, Engstrom moved to Maui, and opened an advertising agency, continuing her studies in writing and psychology at Maui CC. One husband, two children and five years later, she sold the agency to her partner and had enough seed money to try her hand at her lifelong dream, full-time fiction. With the help of science fiction great Theodore Sturgeon, her first book was published in 1982.

To date, Engstrom has written six books: *When Darkness Loves Us, Black Ambrosia, Nightmare Flower, Lizard Wine, Lizzie Borden* and the soon to be released *Monochrome Love*. Her dark psychological thrillers are capturing a growing audience. She has edited an anthology called *Imagination Fully Dilated*, and is now expanding into publishing.

Engstrom is a sought-after teacher and speaker at writers’ conferences and conventions around the world, and has been on the faculty of the Maui Writers Conference for the past six years.

She moved to Eugene, Oregon in 1986, and attended Lane Community College, before going on to the University of Oregon, which, Engstrom notes, “was totally intimidating.” Engstrom now teaches classes in novel writing at Lane Community College. She is always working on her next novel. ✉️
As vice president of the Fleet Financial Group with an office in a Boston skyscraper, William F. Bundy has come a long way from his childhood in a Baltimore housing project. His lifelong commitment to “doing all the groundwork you can to prepare yourself, so that when an opportunity materializes, you can take full advantage of it,” has resulted in a lifetime of achieving significant goals. In fact, Bundy’s drive and determination led him to become the first African-American to serve as Commanding Officer of a conventional attack submarine.

It all started when Bundy graduated from high school and a hoped-for scholarship fell through. He joined the Navy and landed in Hawaii.

As an enlisted man, he used the Navy’s tuition aid system to begin his college education at Leeward CC while serving on active duty. He entered Leeward for the 1971 Spring semester and through the College Level Examination Program (CLEP) he earned 24 semester hours of credit. In December 1971, after completing another 45 semester hours of on-campus study, Bundy earned his Associate in Arts Degree with a 3.7 grade point average. Bundy recollects, “I credit my time at Leeward with making higher education a reality for me. I recall the other students and professors as friends who had the vision to achieve success.”

Inspired by his accomplishment at Leeward, Bundy went on to travel the world, educating himself, and rising through the military ranks. He earned his Bachelor of Arts Degree with Distinction in December 1973 at UH Mānoa, and his Master of Arts Degree with Distinction in June 1993 at the U.S. Naval War College. Bundy entered the U.S. Naval Officer Candidate School in 1974, finished as the Honor Graduate of his class and was commissioned as an Ensign. In the following 30 years of service in the U.S. Navy, he served as a submarine officer.

Commander Bundy retired from active duty in August 1994 and was awarded the Navy League of the United States Dalton L. Baugh Award for Excellence. He was selected by Rhode Island Governor Lincoln Almond to serve as the state’s Director of Transportation, and in November 1996, he joined Fleet Financial Group.

Today Bundy manages property development operations within the New England corporate operating area which supports more than 35,000 employees who serve the $84 billion financial corporation. He is also working on his Ph.D. According to Bundy, “I started with the desire to earn a few college credits and went on to earn an Associate Degree, a Bachelor of Arts Degree and a Master of Arts Degree. Now I have the opportunity to complete my Ph.D. at Salve Regina University, but, it all started at Leeward. It is an excellent place to start a full and rewarding educational experience.”
apiʻolani CC’s Department of Emergency Medical Services, in conjunction with the school’s library, recently piloted a distance learning course in Emergency Medical Services (EMS) systems management for the Asia and the Pacific regions. Using e-mail and the World Wide Web, the course is also intended as a model for other health-based virtual learning programs, such as handling hazardous materials and civil defense training. Ed Kalinowski, chair of the EMS department, was the on-line professor, and author Jan Zastrow, health/electronic information resources librarian, acted as technology adviser and course designer.

Potential participants were contacted in Hong Kong, the Commonwealth of the Northern Mariana Islands, and Maui. Limited technology and the students’ unfamiliarity with the internet, however, quickly became a frustration. In the end, only three of the six logged on to the website. “Two participants were very enthusiastic and seemed to benefit greatly from the experience,” Kalinowski reported. “They have since come to visit Kapiʻolani CC and are interested in learning more about our EMS program.”

To evaluate the on-line learning experience, questionnaires were sent to the participants. Comments ranged from “great class” to “I prefer talking to people over typing to strangers.” Based on this initial beta-test, Kalinowski and Zastrow see they have more work to do. Although some of the necessary changes are small, such as replacing the “Table of Contents” icon with a “Home” icon, other revisions will be challenging.

The writing-intensive nature of working on-line transforms what would normally be a one semester course into two semesters. The course has also stimulated a new set of issues such as on-line registration and tuition, Test of English as a Foreign Language (TOEFL) provisions, and admissions requirements for distance education students from foreign countries. Test students also felt that giving credit for completion of EMS290, designed for post-graduate paramedics, was an important issue. Kalinowski states, “These are systemwide issues we need to work out. Our efforts could become a template for other virtual learning classes, in these, the first steps toward making the ‘university without walls’ a reality.”

Meeting the challenges of on-line education

K

Kulani graduates

On March 19, Governor Ben Cayetano declared April Community College Month in Hawaii, recognizing the work of the UH Community Colleges. On hand to accept the proclamation were (left to right) Assistant to the Chancellor Kathy Jaycox, Vice Chancellor for Student and Community Affairs Sharon Narimatsu, Honolulu CC Assistant Dean of Instruction Gerald Cerny, Chancellor Joyce Tsunoda, Windward CC Provost Peter Dyer, State Director Employment Training Center Angela Meixell, and Leeward CC Provost Barbara Polk.

Ed Kalinowski and Jan Zastrow find opportunities and challenges in offering on-line courses.

On March 19, Governor Ben Cayetano declared April Community College Month in Hawaii, recognizing the work of the UH Community Colleges. On hand to accept the proclamation were (left to right) Assistant to the Chancellor Kathy Jaycox, Vice Chancellor for Student and Community Affairs Sharon Narimatsu, Honolulu CC Assistant Dean of Instruction Gerald Cerny, Chancellor Joyce Tsunoda, Windward CC Provost Peter Dyer, State Director Employment Training Center Angela Meixell, and Leeward CC Provost Barbara Polk.

Kulani graduates

the road is winding, narrow, and incredibly bumpy, but for the past eleven months, Richard Rushton of Hawai‘i CC journeyed that road to Kulani Correctional Facility to instruct a small class of inmates in automotive technology.

Eight students graduated in January 1998 and were recently recognized with certificates from Director of the Office of Continuing Education and Training Shirley Metcalf.

Several students also passed the Automotive Service Excellence (ASE) technician certification tests. The rough road Rushton traveled each day is creating new pathways for these Kulani inmates.
Leihua and Napua, identical twins from Waipahu High School, said they enjoyed all the displays and hands-on activities, but especially liked the cosmetology show. Neil, their friend, preferred the auto body repair demonstration. Learning how to carefully cut and place ceramic tiles on a wall appealed to a group of McKinley High students. Aside from all the activities and educational demonstrations, students that visited Honolulu CC during their College Showcase in February got a clearer image of what the future could hold in store.

(Maui CC Provost Clyde Sakamoto, “We wish to demonstrate the efficacy of students teaching each other their native language using new technologies. We also seek to develop relationships between Maui County and Japanese students. First, we will scan the electronic environment to uncover threshold on-line applications to language learning. Second, we will identify the level of language skills of our participants. Then, using a web page format, we will develop a communication link.”)

One Kaimuki High student found the answers she was looking for about early childhood education. “The faculty I talked with seemed sincerely interested in my goal to some day start a childcare center,” she reported. “It was also reassuring to know that Honolulu CC has a broad range of curriculum available, and could help me select appropriate courses.”

More than 1,200 Oahu high school students attended the showcase as part of Honolulu CC Week. Other events included Mars Day, dedication of the college’s Hawaiian exhibit and a birthday party for the life-size stegosaurus model built ten years ago.

Learning language on the Web

Kure National College of Technology in Japan has entered into an international agreement with Maui Community College to facilitate a language exchange among their students. The partnership, in which Maui students learn Japanese with Kure students’ help and vice versa, will explore the creation of new multimedia, telecommunications and internet methods. The three year study aims to educate students in Japanese and English language in a technological setting, helping them to become internet language learners. Students will become competent not only in their counterpart’s language and culture but in understanding applications of multimedia software in language acquisition.

According to Maui CC Provost Clyde Sakamoto, “We wish to demonstrate the efficacy of students teaching each other their native language using new technologies. We also seek to develop relationships between Maui County and Japanese students. First, we will scan the electronic environment to uncover threshold on-line applications to language learning. Second, we will identify the level of language skills of our participants. Then, using a web page format, we will develop a communication link.”

Provost Sakamoto, a member of the ETS Test of English as a Foreign Language (TOEFL) policy council, will examine ways to bring TOEFL research and other resources to assist this project.

The project gets under way this summer with the visit of Kure College faculty to Maui CC. Maui staff will later visit Kure to analyze first-year results and finally, in 2000, participants will analyze the effectiveness of the program and publicize the results after a final meeting. The true scope of the project is difficult to determine because of its complexity and its potential to teach language skills.
Maua Community College had the competition shaking in their boots, and boots were the necessary apparel for this rainy trip to Sacramento for the American Culinary Federation Western Regional Student Culinary Challenge in February, where Maui CC won a bronze medal.

Four Maui CC apprentices and coach William Bailey comprised the first Hawai‘i team to participate in the competition and the first to introduce Pacific Fusion Cuisine. Bailey reported, “Maui’s team members, bedecked in kukui nut leis and serving a five-course meal with the little-seen touches of lotus root, tobiko caviar, and liliko‘i, were the objects of much interest. A few of the judges had never even seen some of the foods used for their presentations. One judge commented that our purple sweet potato looked poisonous.”

After winning the bronze, the Maui team congratulated each other, “high-fived” members of the other winning teams, and gathered participants together for a group photo. “People from the Las Vegas team stopped us in the lobby the next day to tell us that they had never seen anything like that at the competition,” said Aurelio, “They had never even taken group photographs before.” Obviously the Maui team’s aloha spirit had a positive effect on the participants of this important culinary event.

(1 to r) Apprentices William Bailey, Dai Pham, Aristotle Aurelio and Jake Belmonte surround celebrity chef Paul Prudhomme at the American Culinary Federation Western Regional Student Culinary Challenge.

University of Hawai‘i
Office of the Chancellor for Community Colleges
2327 Dole Street
Honolulu, Hawai‘i 96822