



L&L Hawaiian Barbecue to Open in Pōhue Plaza

by Nalani Parlin

L&L Hawaiian Barbecue plans to open its first restaurant in Kaʻū, this one in Pōhue Plaza. Owner Wesley Wu hopes to start serving in early August after renovating the 1500 sq. ft. of space, which was formerly operated by Desert Rose Café. Wu started the popular L&L at Keauhou Shopping Center five years ago and opened a second location in Captain Cook

three years later. The Ocean View restaurant will have seats for 28 people inside and room for 16 diners on the outside patio, and sports a new paint job and ceiling, newly tiled floors, ceiling fans and big screen TV.

L&L offers its Hawaiian Barbecue in every county in Hawaiʻi, and in Japan, as well as on the mainland at Reno, the San Joaquin Valley, Las Vegas, Sacramento, San Jose, the

Bay Area, L.A. and San Diego. The expansion into L&L's franchising began in 1988, opening up on the mainland in 1999. There are some 200 restaurants in operation.

L&L tries to be "family-related and affordable. You don't have to spend a fortune to eat here," said manager David Chan, who has 12 years in the restaurant business and over-

L&L, pg. 14

THE KA'Ū CALENDAR

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The Good News of Kaʻū, Hawaiʻi

August, 2011

Consumer Advocate Calls for More Input on Refinery Proposal

State consumer advocate Jeffrey Ono told the Public Utilities Commission that he has yet to recommend support or opposition to the contract between Hawaiian Electric Company and ʻĀina Koa Pono. ʻĀina Koa Pono plans to build a refinery between Pāhala and Wood Valley and harvest existing trees and brush and biofuels crops it plans to grow between Pāhala and Nāʻālehu. The PUC is tasked with deciding whether to allow Hawaiian Electric to raise the rates to its customers by some two dollars per month in order to help pay for the development.

Ono told area residents who attended public hearings on Aug. 2 in Hilo and Kona that they can still send in their comments and ideas to the consumer advocate. Numerous people from Kaʻū had questions about the project and asked the PUC to be the governmental body to require an Environmental Impact Statement, since Hawaiʻi county and state agencies have said that none is needed, as the refinery is tied to renewable energy and agriculture.

Most of the testifiers drove from Kaʻū to the Hilo hearing. One speaker said that the proposal for the biofuel farm and refinery on 13,000 acres of ag-zoned land has put the PUC in the position of not only setting policy for alternative energy production but also policy over what happens to farmlands and food security. Representatives of the project said that 200 acres of the 13,000 proposed for the project have been set aside to grow food along Wood Valley Road.



Spectators watch a rescued hawksbill turtle scramble to the sea at Punaluʻu.

Students Rescue Huge Honuʻea from Punaluʻu Pond

The day began calmly for the U.H. students, Dr. Jason and Jennifer Turner, plus MARE staffers John Coney and Jill Grotkin, who huddled with George Balazs

of the National Oceanic and Atmospheric Administration's Pacific Islands Fisheries Science Center, Marine Turtle Research Program. They were evaluating health and fit-

ness of Hawaiian green sea turtles, the honu at Punaluʻu Beach.

Their session in late June was inter-

Honuʻea, pg. 22

Supporters of the project were the electric companies, the firm that won the contract to engineer the refinery, a representative of

the carpenter's union, a retired sugar union leader from Pāhala, a representative from investors and a representative of property

owners leasing land for the project. Mayor Billy Kenoi submitted a letter of support but

Refinery, pg. 2

Hawaiʻi Legislators Hope for a Fourth Big Island Senator

Rep. Bob Herkes said he is happy that the state attorney general concluded in July that the military, students and other temporary residents should not be used in determining the population for the basis of reapportionment, which decides the number of elected officials to represent citizens throughout Hawaiʻi.

The opinion was presented by Herkes to the state Reapportionment Commission, which earlier voted to use the population taken by the recent census as its basis for redistricting. Sen. Malama Solomon had asked people to write to the commission to encourage its members to change their minds.

Counting the big military and out of state student population on Oʻahu could have led to the Big Island having fewer representatives per citizen, she noted. Excluding the temporary residents from the count could lead to the Big Island gaining an additional Senate seat, meaning four senators for Hawaiʻi Island. Herkes wrote to Attorney General David Louie, asking for his opinion.

Solomon pointed to the 2011 Hawaiʻi State Reapportionment Commission decision that would have robbed "Hawaiʻi County voters of fair and equitable repre-

sentation by denying the addition of a Fourth Senatorial Seat for the Island."



Rep. Bob Herkes.
Photo by Julia Neal

She explains that with the population growth over the past decade, if Hawaiʻi Island were to continue to have only three senators, each senator would represent 60,000 residents, where most other senators in the state would have only about 40,000 residents to represent.

"This clearly marginalizes Hawaiʻi County residents' voice in all major decisions impacting their lives! How fair is that?" asked the senator. Like Herkes, she

Big Isle Rep, pg. 5

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cautioned 'Āina Koa Pono to work closely with the Ka'ū community. Those with questions were predominantly residents of Ka'ū, from coffee farmers to a beekeeper to a land manager, retirees and Hawaiian cultural practitioners.

A retired professor said he wanted to say he could support such an alternative energy project but had many unanswered questions, including proof that the proposed microwave processing of biomass would actually work. Another testified that the PUC and electric company might consider how money generated by the proposed rate hike (some half a billion over twenty years) could best be used for alternative energy production. She suggested that the PUC and electric company consider a number of projects that could be funded.

Many testifiers outright opposed the project, saying that land needed to be preserved for growing food rather than energy crops. Some testifiers also talked about possible erosion from stripping the land of trees and brush and planting grasses to harvest for biofuel. One speaker said that taking biomass that has been turned into oil underground over millions of years has become unaffordable and likened the harvesting of biomass growing above the ground to "skinning the planet."

Several speakers said they dislike the name chosen by the company – 'Āina Koa Pono – which means "good for the land."

Supporters pointed to hundreds of jobs promised by the 'Āina Koa Pono team and the need to relieve Hawai'i from the importation of fossil fuel.

The biofuel refined in Ka'ū would be transported by tanker trucks up Hwy 11 to make electricity at the power plant near the Kona Airport. Trucks would also travel along the old cane road between Pāhala and Nā'ālehu to and from places where trees and shrubs would be cut down and crops harvested and carried to the refinery. Trucks could come from other

places in Ka'ū and elsewhere with Christmas berry and cut trees and shrubs to feed the refinery. 'Āina Koa Pono claims its operations would produce minimal noise and that the odor at the millyard would be similar to a lumberyard. Regarding cutting down mon-keypod and other shade trees in the pastures between Pāhala and Nā'ālehu to fuel the refinery, the company says it would refrain from cutting any native trees and from harvesting forests on conservation land.

The company promises 300 union jobs to build the refinery and 150 to 200 permanent jobs to run the factory and farm.

In addition to building the refinery, 'Āina Koa Pono plans to construct its own small power plant to run the refinery and is seeking permits that would allow emissions into the air. The company is in to process of securing EPA approval to discharge up to 250 tons per year "of any regulated pollutant."

Testimony can be submitted to the consumer advocate at Division of Consumer Advocacy, 335 Merchant Street, Room 326, Honolulu, HI 96813 or consumeradvocate@dcca.hawaii.gov.

For more coverage of testimony at the public hearings held Aug. 2, visit kaunewsbriefs.blogspot.com.

'Āina Koa Pono has provided the following question-and-answer section on its website at aina-koapono.com.

What Technology will be used for producing biofuel? We will be using an established technology called microwave thermal depolymerization which has been used in the food processing and pharmaceutical industries for 50 years. It has only recently been applied to making bio-fuel. This technology applies heat and

pressure to organic material to produce bio-fuel and biochar.

Where is the project located? The project will be located in the Ka'ū District on the Big Island of Hawai'i. The location is on Camp Meyer Road on property owned by the Olson Trust approximately 1.5 miles from



Diversified agriculture thrives near the proposed site for a biofuel refinery off Wood Valley Road. Photo by Julia Neal

the town of Pāhala.

Does the proposed project require an Environmental Assessment (EA) or Environmental Impact Statement (EIS)? There are no current "triggers" that require an Environmental Assessment (EA) or Environmental Impact Statement (EIS), but we will comply with all Federal and State requirements.

Will there be a smell from the plant or processing? The only smell created by this process will be that of "sawn lumber" which is comparable to the smell of a lumber yard. There will be no gasoline or chemical smells associated with the plant or processing.

Will AKP's facility process municipal solid waste? No, our feedstock will be exclusively biomass derived from growing plants and other vegetative matter.

Will HELCO's 20-year contract with AKP to purchase bio-fuel take reduce the potential for geothermal, wind or solar? No, HECO is expanding its geothermal work and continues to work with new solar installations on a daily basis. The current total energy used by all of the Hawaiian Islands far exceeds all the current and planned Hawai'i renewable projects combined. Even with solar and geothermal resources, a facility like Keahole will be used as a back up to assure the continuous flow of power to the residents of the Big Island. The only question is whether Keahole will be operated using fossil diesel or renewable diesel. If, after the development of geothermal, biomass, and solar energies, less power from Keahole

is needed, and therefore less bio-fuel, any renewable liquid fuels can be transported anywhere in Hawai'i. We feel our project increases the fuel independence of Hawai'i by directly reducing foreign oil imports. AKP is just one solution of many. The fuel could also be used for transportation purposes.

What are the risks for HELCO/HECO and its consumers if AKP fails to develop the project or deliver per the specifications within the contract? What if AKP's expenses are higher than projected or the price of oil goes up? None. The contract contains specific development milestones and details on performance and HELCO is only obligated to purchase fuel from AKP if all of the criteria are met. *Refinery, pg. 6*



Irrigation is being established for diversified agriculture from the old sugar plantation system above Wood Valley. Photo by Julia Neal

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New Police Recruits to Rotate through the Ka'ū District

The new class of police officer recruits will be here in Ka'ū and around the island on their four months of on-the-job field training with veteran police officers before they take on their own beats.

The 79th Recruit Class of the Hawai'i County Police Department is led by its president, Peter P. Tourigny, who addressed the graduating class last month. He said most of the recruits were born and raised on the Big Island, but some traveled from O'ahu, Maui and as far as New Hampshire to be here. Prior to entering the Police Department, recruits worked as school teachers, retail sales associates, farmers, armored truck drivers, college students, personal trainers, loss prevention agent, police dispatcher, corrections officer, former police officer and amateur dancer.

"I challenge each of you to wear your uniform with pride and remember that we are now held to a higher standard of living," Tourigny said. "We must serve the community in a way that will never disgrace the honor



Members of the 79th Recruit Class in front row are: Joshua K. Pa, Kelsey, K. Kobayashi, Bruce I.M. Parayno, Jensen X. Rodrigues, Chelsey W. Heidenfeldt, Officer and Instructor Aaron Carvalho, Vaughn S. Kelii, Brad L. Resurreccion, Branden K. Watanabi, and Amy C. Masuyama. In the middle row are: Wyatt K. Kaili-Leong, Peter P. Tourigny, Roland A. Kuamoo, Aaron M. Tanaka, Nicholas C. K. McDaniel, and Hanalei S. Pagaon. In the back row are: Aaron K. Kaeo, Kelena D. Ho'okano, Keng C. Singleton, Dwayne E. Sluss, Drek Kenison, Jr., Jonathan K. Kailiuli, Robert A. K. Aiyau, and Ernest B. Texeira.

of our badges."

During the ceremony, three of the recruits received special recognition for their excellence in training. They were Branden K. Watanabe, who excelled in academic training; Vaughn S. Kelii, who excelled in physical fitness training; and vice president Amy C. Masuyama, who excelled in firearms training. Mayor Bill Kenoi, County Council Chair Dominic Yagong and former Mayor Harry Kim also addressed the troops.

Water Meetings Aug. 3 & 4

Ke Kahuwai Pono, the trustee who oversees the rightful sharing of water, is the name of the state Commission on Water Resource Management overseeing a plan to be presented in August for public testimony. To update the County of Hawai'i's Water Use and Development Plan, hearings will be at 6 p.m. - one on Wednesday, Aug. 3 at Konawaena High School Cafeteria in Kealahou and the other on Thursday, Aug. 4 at Waiakea High School Cafeteria in Hilo.

Four-Legged Police Recruit Arrives for Duty

Magnum is the new four-legged member of the Hawai'i Police Department and arrived for duty in July. Police Chief Harry



Magnum with Officer Robert Sakata

Kubojiri said he is happy to welcome another valuable tool in locating missing persons. Friends of the Missing Child Center of Hawai'i donated the scent-discriminating tracking dog. The male Labrador was purchased through a grant that the nonprofit organization was able to secure from the Atherton Foundation. During his training in North Carolina, Magnum was credited with finding a missing person.

When the dog arrived in the state, it was first housed at the Honolulu Police Department's training and canine facility in Waipahu. Kubojiri said the Police Department anxiously awaited Magnum's arrival. "While, thankfully, it's rare that a child goes missing in our community, we must remain prepared for such a tragic event," he said.

Kua O Ka Lā: Hawai'i Public School Classes Online

Ka'ū students can go to class online through an accredited public charter school operated by Kua O Ka Lā. The school made presentations in Nā'ālehu and Pāhala last

month. The school's hybrid program offers place-based, Hawaiian culture-focused electives coupled with an online academic pro-

Online Charter School, pg. 6

Charter School Task Force Goes to Work

The new statewide charter school task force met for the first time in July in Honolulu at the Capitol. The Senate bill signed into law by Gov. Neil Abercrombie requires the task force to develop the framework of accountability between the charter school system and the state Department of Education. The group also will create oversight, recommend funding levels and work on connecting the governing of charter schools with the DOE. The task force will provide its recommendations to the 2012 Hawai'i Legislature. Senate Education Committee Co-Chair Jill Tokuda said the meeting was a "good start to a great opportunity to ensure that our Charter School system has a high level of accountability, clear lines of authority and a strong governance structure that will result in even better schools."

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Private Companies Look at Garbage to Make Energy

Private companies are honing in on the island's garbage to free up the county landfills and to recycle and use waste for energy. Pacific Waste, Inc. and its affiliate BioEnergy Hawai'i have met with Mayor Billy Kenoi and staff and made presentation to the County Council Environmental Management Committee. They would like to set up a waste-to-energy plant and pay for it by selling energy and recyclables and through receiving the tipping fees that are provided to the county for commercial operators bringing in the trash. According to

a Stephens Media report, they could save the county \$900,000 the first year, \$1.3 million each following year, and \$120,000 in county employee wages each year. Council Chair Yagong said he looks forward to the presentation but noted that bids may have to be opened to other companies, if such a plan were to be considered.

Āina Koa Pono, which plans a refinery between Pāhala and Wood Valley to process biomass into biofuel, says it too has the capability to deal with county trash – using large microwave processors to vaporize it

into gasses that would be turned into auto, aviation, car and truck fuel as well as fuel for oil burning power plants owned by Hawaiian Electric Light Co.

Engineer Sandy Causey said such waste-to-energy plants, however, would be placed at the landfill sites and that garbage would not be trucked to Ka'ū for processing.

Rusty's Takes 1st in Hawai'i Cupping, Norberte & Marques Rank High for Ka'ū

Rusty's Hawaiian 100 Percent Ka'ū Coffee took the grand prize in the statewide Hawai'i Coffee Association competition at Hilton Waikoloa Village yesterday. Second place was Tommy Greenwell of Greenwell Farms. For the Ka'ū District, Lorie Obra took first, and Leo Norberte with his JN Coffee took second, while Trini and Frances Marques took third with their Ali'i Hawaiian Hula Hands Coffee.

Obra family who joined the Obras to receive the grand champion award from newsman Howard Dicus.



Lorie Obra

Chris Manfredi, of Ka'ū Farm & Ranch, LLC, gave the Ka'ū report at the Hawai'i Coffee Association's annual meeting and trade show over the weekend and was re-elected to the HCA's Board of Directors. He noted the Miss Ka'ū Coffee Pageant, successes of Ka'ū Coffee farmers at the international Specialty Coffee Association of America's Expo this year, and for five consecutive years.

He highlighted the third annual Ka'ū Coffee Festival's role in helping to build the industry. He said media attention went worldwide

Obra said, "I never thought that I could feel such two strong emotions at once. Extremely saddened because Rusty (her late husband) is not here with us and extreme happiness because I could fulfill his dream for him."

The event included tasting, roasting and pest prevention workshops and a trade show where Ka'ū Coffee drew a lot of attention.

Business reporter Howard Dicus talked about a possible increase in tourism, particularly to Hilo with the United Airlines/Continental direct flight that began last month. He said the flights could help the coffee industry here, which is already becoming well known. Agritourism is a growing interest among visitors.

Miguel Meza, who has worked for the Ka'ū Coffee Growers Cooperative as a consultant, was also on hand at the Hawai'i Coffee Association event. Coffee consultant Andrew Hetzel described Meza in a *Hawai'i* 24/7 story as an "honorary" member of the



Leo Norberte

through the Associated Press picking up the Ka'ū Coffee story. He joked that Ka'ū has its own "Kamehameha" and showed a photo of Bull Kailiawa, who won Coffee of the Year from the U.S. and Hawai'i at the 2011 SCAA Expo. He also congratulated Lorie Obra of

Rusty's Hawaiian for winning Grand Champion of Hawaiian Coffee two years in a row at the HCA's statewide annual cupping competition.

Manfredi said that every time one Ka'ū farmer wins a coffee award, all the farmers benefit. Manfredi manages the property where many of the award-winning coffee farms are located. He is also owner

National Park Calls for New Bids for Volcano House Concession

New bids to operate Volcano House will be accepted by the National Park Service through a revised prospectus for re-solicitation. The Park Service announced at the end of June that the prospectus would become available soon. This opportunity posts on the Federal Business Opportunities website, fbo.gov, as well as the NPS Commercial Services website, concessions.nps.gov.

According to a press release from the park, the National Park Service director "must, by law, reject proposals where the concessionaire is not qualified or the proposal is non-responsive to the requirements of the Volcano House prospectus."

A prospectus for the Volcano House operation was issued on Dec. 10, 2009, requesting proposals for visitor services that included overnight accommodations, food, beverage, retail, campground and related services. Due to several amendments, the closing date was extended to Sept. 1, 2010. All proposals were reviewed by the National Park Service Pacific West Regional Of-



Volcano House will stay closed until a new concessioner is found.

Photo by Geneveve Fyvie

fice in Oakland, CA and subsequently sent to the director of the National Park Service in Washington, D.C. for final review and action.

For further information contact Walt Poole at 985-6027 or walt_poole@nps.gov.

of Ka'ū Local Products, which markets Ka'ū Coffee and other local products.

Gloria Camba, president of the Ka'ū Coffee Growers Association, presented the co-op's coffee to Japanese buyers at the Hawai'i Coffee Association event. Camba said she was very happy that Ka'ū Coffee is winning so many awards and also credited

the Ka'ū Coffee Mill on Wood Valley Road with making processing easier for the farmers. Camba and Bong Aquino's own Ka'ū Royal Coffee came in first for the Ka'ū region three years ago at the Hawai'i Coffee Association cupping competition – the first year that Ka'ū competed.

Alaska Airlines Plans New Route to Hawai'i

Alaska Airlines plans another route to Hawai'i, this new one from San Diego. Alaska is already flying from West Coast cities to Hawai'i, and there is hope they will someday fly to Hilo as Alaskans find Hawai'i, the Big Island a favorite winter destination since this island has the large landscapes and plenty of room to move around, as well as hunting, fishing and other outdoor sports, just like Alaska.

Allegiant Plans New Hawai'i - Vegas Connection

Allegiant Airlines is planning to connect Las Vegas with Hawai'i by starting service to the islands. The company serves smaller cities, and there is hope that it will come to Hilo with its new 757. The Hawai'i Tourism Authority has been encouraging Allegiant to come to the Islands for several years.



Allegiant Airlines plans to offer service from the mainland to Hawai'i.



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Ku'oko'a Draws Board Members to Buy Electric Co. & Go Geothermal

The effort to buy Hawaiian Electric Industries and make geothermal the main provider of energy for the Islands has attracted new board members, according to a story in the *Honolulu Star Advertiser*. Chaired by Big Island farmer Richard Ha, the board of Ku'oko'a now includes former deputy director of the U.S. Department of Energy T.J. Glauthier and former C.I.A. director James Woolsey. Also on board are Rob Robinson, a venture capitalist and professor of entrepreneurship and e-business at the University of Hawai'i, and Rick Blangiardi, general manager of *Hawai'i News Now*. The chief strategy marketer is Alan Tang, who owns Olo mana Marketing. The organizer of the hui is entrepreneur Roald Marth. Its president is Ted Peck, the state's former energy ad-

ministrator, who directed Hawai'i's Clean Energy Initiative.

The goal of the group is to derive most of the electricity in Hawai'i from geothermal produced on this island and Maui. Undersea cables would transmit energy to the other islands. The geothermal could also help produce hydrogen fuel to run transportation. Wind, waves, hydro and solar could also be part of the mix. There could be some biofuel, but the goal would be to retire the oil burning power plants now operated by Hawaiian Electric over the next ten years.



Richard Ha and family

Marth claims that electric rates could be cut to 20 cents per kilowatt-hour statewide. Presently the rate is about 30 cents on O'ahu and around 40 cents on neighbor islands. Marth said the cost of purchasing Hawaiian Electric and retooling it to 100 percent renewable energy could cost \$35 billion over 10 years.

According to the *Advertiser* story, Marth said Ku'oko'a has been belittled as a plan by a motivational speaker, a tomato farmer and a bureaucrat. "We're not just the tomato

farmer and the bureaucrat and the motivational speaker trying to buy an electric utility," Marth said. "That's not what we're about. We're a bunch of really, really smart, determined people with a little bit of money who are trying to build a new industry in Hawai'i."

According to an online history of geothermal in Hawai'i published by the state Department of Business & Economic Development, in 1881 King David Kalakaua and his Attorney General discussed with Thomas Edison the possibility of using power from Hawai'i's volcanoes to produce electricity to light Hawai'i's capital, and transmitting this power by submarine cable to the other islands. At that time no one had the capital and know-how to make it happen.

Take the *Think Local First* Campaign Survey Online

Think Local First is the slogan of a campaign being designed by the Hawai'i County Office of Research and Development to demonstrate to Hawai'i Island consumers how their purchasing choices affect their families

and the local community, and to drive consumers to choose to purchase more locally produced products. The intent is to keep more money circulating in the local economy, thereby strengthening our Hawai'i Island

economy. Campaign organizers are asking consumers to complete an online survey to gather information the department can use in designing the campaign. The

survey can be accessed at surveymonkey.com/s/buylocalconsumersurvey.

Big Isle Rep, cont. from pg. 1

objected to the decision by the 2011 Reapportionment Commission to include "non-resident military and dependents, nonresident students and incarcerated felons" in the population data used to determine districts.

She said that most of the military personnel are "nonresidents." They consider their "homes" to be elsewhere in the U.S.A.

where they are emotionally rooted and where they have permanent residences and where — historically — they vote.

Solomon said that a "fourth Senate Seat for Hawai'i Island, which also represents an additional vote for the neighbor islands as a group, can make a huge difference for neighbor islanders who are consistently left out by the Honolulu-centric manner that our state

functions, both within and outside of government."

The Hawai'i County Committee of the Democratic Party of Hawai'i also formally requested that the Statewide Reapportionment Commission reconsider its earlier decision on this matter.

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KA PEPA PĀHALA

Volume 9, Number 9

The Good News of Ka'ū, Hawai'i

August 2011



'Āina Koa Pono would transform pastures with monkeypods and other shade trees into biofuel farms growing grasses to use at its refinery.

Refinery, cont. from pg. 2

ria are met. The price that HELCO will pay is fixed for 20 years and is in no way tied to AKP's operation or the price of oil.

The price that HELCO will pay for bio-diesel is currently higher than what it pays for petroleum-based diesel. Does this mean that AKP's process is not efficient enough to be competitive in the market? No, the price that AKP required for its first plant is affected by the level of return needed by project investors to entice them to provide funding. As AKP develops additional facilities the price will drop considerably as the engineering costs will have already been incurred and the risk to investors lowers.

It is estimated that the price that HELCO will pay for bio-diesel supplied by AKP will increase an average rate payer's bill on the Big Island and O'ahu by \$1.75-\$2.10 per month. When are consumers likely to see an increase and will consumers be funding the development of the project? Any increase will not be seen until HELCO actually receives fuel from AKP which is estimated to be in early 2014. Consumers are not paying for the development of the project. An estimated \$400 million will already have been spent by AKP and its part-

Online Charter, cont. from pg. 3

gram. The school is considered a hybrid as classes will be online, but teachers will meet with students in their communities and also at a central location where students can study.

The school is much more affordable than many other online schools, and the education earns Hawai'i Department of Education credits toward completing a high school

ners to build and operate the facility.

Will this first project lead to other projects statewide and will there be other buyers of AKP's fuel besides HECO? AKP sincerely hopes that this project will lead to other projects on other islands as the public and major land owners recognize the potential of the technology. AKP plans on developing fuel for the transportation industry. Hawai'i currently imports two billion gallons of crude oil of which approximately 20 percent is used for on-road transportation.

Is there a potential to use this for ground and air transportation? Yes. The process will produce "synthetic diesel" that can be used for electric generation, transportation and similar uses. In addition the process also produces lighter distillate that can be processed to jet fuel and gasoline.

Will AKP allocate land for food production? The Edmund Olson Trust has carved out acreage along Wood Valley Road as a diversified agricultural area in conjunction with the biomass production on former cane fields that have long been fallow. Currently, there is a wide variety of plants cultivated under land leases. About 15 acres of sweet potato production has been recently planted in addition to taro, kukui nuts, banana-education. Pua Mendonca, who visited Ka'ū on behalf of the new online school, said that the school could be particularly beneficial for students "who want to soar" beyond what is offered in the public school classroom and students who have special challenges and need individualized programs to improve their skills.

Kua O Ka Lā has adopted the concept of

as, strawberries, a wide variety of lettuce and an assortment of other vegetables including squash, coffee trees, and soon peanuts. With the beginning of AKP operations, we look forward to supporting the diversified agriculture efforts of our joint venture partner, the Edmund Olson Trust, and helping to achieve Hawai'i's dual goals of increased energy security and self sufficient food production.

How does the project create jobs for people in the community? We project that approximately 150 to 200 permanent jobs will be created by this project. Additionally, 300-400 construction jobs will be created during development.

Why don't you use technology like solar, which has less demand on land resources? We are not considering the use of solar power generation in our projects. Solar power is not economically feasible without Ke Ala Pono – The Right Path – to describe its goal of nurturing and developing youth. A statement from the school says, "We believe that every individual has a unique potential and that it is our responsibility to help our students learn to work together within the local community to create a future that is pono – right."

To sign up, students must have access to

Pāhala Library Re-opens Aug. 8

Pāhala Public and School Library re-opens on Monday, Aug. 8 after being closed for more than a month. The stated reason is a staffing shortage. Librarians are directing patrons to Nā'ālehu Public Library on Hwy 11. Call 939-2442. To line up books to check out from public libraries, go to librarieshawaii.org for a catalogue of titles, eBooks, digital audio books and a wide variety of online databases with access to full-text materials from magazines, newspapers, journals and other publications. Also online is an Ask-A-Librarian E-Reference service. A library card is not required to use this service.

significant government subsidy, and more importantly, solar power will not produce liquid fuel for transportation or electricity generation in the HELCO plants. HECO, on the other hand has solar programs in place,



'Āina Koa Pono says it will get rid of non-productive trees and invasive brush by destroying them in its refinery. The company also promises to grow other feed for cattle.

Photo by Julia Neal

but AKP will not be participating in that area.

Is there a project timeline available? Yes, a general timeline would consist of the following: Develop design, obtain permits, and equipment purchase through July 2012 with construction from Jan. 2012 through Dec. 2013, with full operations in

Refinery, pg. 7

high speed Internet, though the school will provide the computers. There will be daily opportunities for academic mentoring and support for classes, cultural and community electives, dual credit for college and high school available for juniors and seniors and the opportunity to earn high school credits through test mastery. For more information call 965-5098.

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NŪPEPA NĀ'ĀLEHU

Volume 9, Number 6

The Good News of Ka'ū, Hawai'i

August 2011

Refinery, cont. from pg. 6

Jan. 2014

What is biomass? Biomass is any carbon based organic material that is comprised of large complex hydrocarbon molecules and generally exists as a solid at Normal Temperatures and Pressures (NTP) – typical examples include “Green Material” such as lumber, grasses, and bushes, plastics, synthetic and natural fabrics like nylon, polyester, cotton, paper and cardboard products, food waste, and tires. AKP's Ka'ū project proposes to process many different types of biomass including invasive species, hurricane debris, yard waste, and biomass crops.

What is Microwave Depolymerization (MWDP)? MWDP is an acceleration of a natural decomposition process when large complex hydrocarbon molecules are broken down into smaller sizes that exist as liquids at Normal Temperatures and Pressures (NTP). Heat from the microwave process is what accelerates decomposition of materials.

Why are microwaves more efficient for heating? Microwaves heat from the inside out – as opposed to other heating methods which rely on heat transfer from



The old sugar cane haul road between Nā'ālehu and Pāhala would be used to haul cut trees, shrubs and crops to the refinery.

Photo by Julia Neal

the outside in, plus MW ovens have no emissions. Also they work effectively at much lower temperatures than traditional heating methods.

How does MWDP compare with other processes? Typically, comparing three renewable energy technologies: H-Power ONLY generates electricity at 800 to 900 kWhr per ton; Gasification/Fisher Tropsch

ONLY generates fuel at an equivalent 1,555 kWhr/ton; MWDP has three products – fuel oil, char and gas and total energy output is 3,496 kWhr/ton.

In terms of gallons per acre, production varies but MDWP generates 3,000-4,500 gallons per acre depending on location, soils and selected crops. Other processes such as palm oil conversion generate 500-600 gallons per acre, gasification/F-T produces 1,500-2,000 gallons per acre, and algae is theoretically capable of producing 5,000 or more gallons per acre, but has a number of years for its commercial development.

At what temperature does MWDP work? MWDP works at around 285-320 degrees Celsius – which is much lower than other heating methods which operate at 750-800 degrees Celsius – and therefore the MWDP process produces no NOX, dioxins or furans which are considered hazardous materials.

What is the quality of the fuel? The MWDP process generates a synthetic crude oil that has properties very close to regular diesel and can be processed further to produce a diesel fuel with a BTU value of approximately 140,000 BTU/gallon, and that meets ASTM specification D 975 for No 2 Low Sulfur fuel.

Can the process be modified to produce gasoline and jet fuel? The synthetic crude is a mixture of hydrocarbons including gasoline and kerosene (jet fuel) fractions. The major-

Refinery, pg. 10

South Side SHAKA'S

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Aug. 19 Keaiwa

Aug. 26 Boni Narito

Sept. 2 Ka'ū



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KITCHEN COSMETICS

By Linda Fortin, REALTOR®, GRI, CRS, RECS, e-Pro, CIPS, CDPE, Principal Broker, Pacific Horizons Properties, Inc.

Could your kitchen use a facelift? According to Remodeling Magazine's latest Cost vs. Value Report, the average minor kitchen remodel costs \$21,695. And considering the amount of time people spend in their kitchens, it could be well worth the investment: Homeowners typically recoup about 73 percent of the cost, according to the report.

If you're hiring contractors to do the work, make sure you do your research. Estimate how much the down payment will be (usually about a quarter to a third of the total project cost) and be sure to discuss a schedule for the payments. Walk through and make a list of what (if anything) in the kitchen won't be replaced during the remodel. Keep in mind that you can save thousands if your remodel allows you to keep existing wiring and plumbing in place. Still, unexpected costs do pop up, so experts recommend keeping about 20 percent more cash on hand to cover unforeseen cost overruns.

When it comes to the details, costs can certainly add up. But there are ways to get the deluxe look for less. Kitchen counter materials range in price, from a top-of-the-line expensive granite surface to a wallet-friendly durable quartz countertop that has the look and feel of granite. If you do go for a luxurious countertop, consider installing a less expensive backsplash (beadboard, DIY mosaic tiles, or faux pressed tin are some options). Refacing cabinets, painting them or just replacing the knobs for a fresh look might be a more viable option than replacing the entire set.

For additional information about buying or selling real estate, go to www.PacificHorizons.com, where you can search all the real estate listings on the Big Island, 24 hours a day, 7 days a week, in real time.

King Kamehameha — Hawaiian Ocean View Estates



They say there's something for everyone in HOVE, something to match everyone's taste and budget. This surprising home is for those who are looking for a little more than just a plain box on a rock. Built in 2007, only lightly occupied since, it's in move-in condition for the discerning buyer. The interior boasts fine details and embellishments, not seen in the typical run-of-the-mill HOVE house. Inside, you will find genuine travertine tile on the floors of the living areas, hallway, and 2 bathrooms. Look up and notice the crown molding above. A freestanding gas log fireplace commands a corner of the oversized living room, ready to take the chill off the cooler nights. The compact kitchen is fully applanced. Granite countertops provide an easy to care for food preparation area and extend to a dining bar on the living room side. The master bedroom enjoys privacy, situated on one side of the main living area, with the other 3 bedrooms on the opposite side of the home. It all makes the rat race seem so far away. Easy to see! More photos at www.PacificHorizons.com.

Visit us at www.PacificHorizons.com, where you can search all the real estate listings for the entire Big Island, in real time, 24 hours a day!



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Naalehu, Hawaii -- 929-9000

KA PEPA O KAHUKU

Volume 9, Number 9

The Good News of Ka'ū, Hawai'i

August 2011

Festival at Kahuku Celebrates Nature and Culture

Hawai'i Volcanoes National Park's 31st annual cultural festival was held at the park's Kahuku Unit in July. The free event celebrated Hawaiian culture with top Hawaiian entertainment, hands-on cultural demonstrations, local food, crafts and much more.



The growing of kalo, the staple food of Hawai'i, is explained at the cultural festival.

Photo by Stephen Geiger



Hula is always a part of Hawai'i Volcanoes National Park's annual Cultural Festival.

Photo by Stephen Geiger

Park Superintendent Cindy Orlando described Kahuku as "a dynamic, young volcanic landscape, steeped in history and a rainbow of land and life." She said the festival was "a gift to local communities that support Hawai'i Volcanoes National Park and its programs, and to visitors in order to share the culture and aloha of the island and this special place."

This year's theme, He ali'i ka 'āina. He kauwa ke kanaka (The land is the chief. Man is its servant), is visualized in artist Dietrich Varez's rendering of the uau, the endemic Hawaiian petrel. This endangered Hawaiian seabird nests in the subalpine region of Mauna Loa, where Park resource managers

monitor their habitat in hopes of increasing the small population within Hawai'i Volcanoes National Park's Kahuku Unit.

Varez's artwork on festival T-shirts this year depicts the uau and its compelling lifecycle, including a lone chick in a pahoe-hoe pit nest awaiting its parents' arrival, a pair of soaring uau, the marine life they feed upon, the pukiawe shrub (which grows in the area), and an active volcano.

Hawaiian entertainment included hula



'Ukulele lessons were part of the cultural festival at Kahuku.

Photo by Stephen Geiger

State Legislature Honors Buddy Fo

The Hawai'i State Legislature has honored the late Buddy Fo, of Ocean View, as one of Hawai'i's most beloved local musicians. A certificate issued by the Senate in May says Fo was "a self-described 'local guy'" who put together The Invitations, a group whose "legendary recordings continue to inspire other Hawaiian and local pop vocal groups." The certificate acknowledges Fo as one of the few members of his generation who remained active in local music throughout his entire lifetime. Fo received a Nā Hōkū Hanohano Lifetime Achievement Award in 2003. "Fo's legacy as a talented singer, songwriter and entertainer will be



Buddy and Sammi Fo

remembered for generations to come," the certificate says.

Fo's wife Sammi continues to teach hula in Ocean View.

performances by Hālau Ulumamo o Hilo Paliku and Haunani's Hula Expressions, and Hawaiian musicians Joseph Nahale, Kenneth Makuakāne, falsetto singer Kai Ho'opi'i, and Auntie Diana Aki and friends.

Attendees learned how Hawaiians lived, played and created and use those skills today, through numerous cultural demonstrations by skilled Hawaiian practitioners. Lei making (feather and plant), Hawaiian canoe building, 'ukulele lessons, ulana lauhalā (pandanus weaving), na pa'ani (Hawaiian games), na mea mala (native plant gardening), and la'au lapa'au (how to identify and use local medicinal plants), were just a few of the interactive demonstrations.

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CALENDAR

August 2011

First Day of School, Mon, Aug 1, for Ka‘ū public school students.

Kids Fit Program, grades K – 8 register Aug 1 – 5 for program Mondays, Aug 15 – 29, 3 – 4:30 p.m., Pāhala Community Center. Nona, 928-3102

Tasty Treats, grades K – 8 register Aug 1 – 5 for program Wed, Aug 17, 3 – 5 p.m., Pāhala Community Center. Nona, 928-3102

Hawai‘i Admissions Day Craft, ages 5 – 12 register Aug 1 – 12 for program Tue – Thu, Aug 16 – 18, 2:30 – 3:30 p.m., Kahuku Park. Marc, 929-9113

PUC Rate Increases Public Meetings, Tue, Aug 2, 9 a.m., Hawai‘i State Building in Hilo; 4 p.m., West Hawai‘i Civic Center in Kona. Public testimony is welcomed regarding proposed rate increases by Young Brothers and HELCO.

Bay Clinic Mobile Dental Van, Tue, Aug 2 – Fri, Aug 5, Bay Clinic in Nā‘ālehu. Call for hours. 965-3073

Ocean View Neighborhood Watch meeting, Thu, Aug 4, 7 p.m., Ocean View Community Center. 939-7033

Friends of Naohulelua Garden Gathering, Thu, Aug 4 and 25, 8 – 10 a.m. (weather permitting). Educational classes, garden exchange, horticultural exercises and free breakfast at Hana Hou. Dennis, 929-7236

Nature Photography with Jack Jeffrey, Sat/Sun, Aug 6/7, Hawai‘i Volcanoes National Park. Day 1 is for those with point-and-shoot cameras and those with limited experience. Day 2 is a tip, tricks and techniques seminar. One day is \$55 members, \$75 non-members; two days is \$95 members, \$135 non-members. Students half-price. 985-7373or fhvnp.org

Encaustics Wax Painting for Beginners, Sat, Aug 6, 9 a.m. - 5:30 p.m., Volcano Art Center’s Niaulani Campus in Volcano Village. John Matsushita teaches foundational techniques in painting with molten wax. Limited to 10 students. \$128 includes supplies. Anne, 967-8222

Patina Prayers, Sat, Aug 6 – Sun, Sept 18, 9 a.m. - 5 p.m. These contemporary paintings by Christina Skaggs combine the ancient with the modern. Opening reception Sat, Aug 6, 5 - 7 p.m. Volcano Art Center Gallery in Hawai‘i Volcanoes National Park. Free; park entrance fees apply. 967-7565

Ministry by Mark Mohr and Avion Blackman, Sun, Aug 7, 10 a.m., Thy Word Ministries Ka‘ū. Their latest album, Third World Girl, will be available for purchase. 936-9114

Ham Radio Operators Potluck Picnic, Sun, Aug 7, Manukā Park. All American Radio Emergency Service members, anyone interested in learning how to operate a ham radio and families are invited to attend. Dennis Smith, 989-3028

Sumi-e Japanese Brushstroke Painting, Tue, Aug 9, 1 – 3 p.m., Nā‘ālehu Hongwanji.

‘Ike Hana No‘eau Cultural Program, Wed, Aug 10, 10 a.m. - 12 p.m. on the Kīlauea Visitor Center lanai in Hawai‘i Volcanoes National Park. Michelle Wall-O’Connor shares the art of Lomilomi, Hawaiian massage, which she learned from the late Auntie Margaret Machado, the first Lomilomi instructor in Hawai‘i.

HOVE Road Maintenance board or directors meeting, Wed, Aug 10, 4 p.m., St. Jude’s Church. 929-9910

Red Cross Volunteer meeting, Thu, Aug 11, 7 p.m., H.O.V.E. Road Maintenance Corp. office. For volunteers and those interested in becoming volunteers. Hannah Uribes, 929-9953

Atlas Recycling at South Point U-Cart, Sat, Aug 13, 9 a.m. - 1 p.m.

Portuguese Soup Contest, Sat, Aug 13, 10 a.m. Kīlauea Military Camp’s Lava Lounge in Hawai‘i Volcanoes National Park. Judging at 3 p.m. KMC is open to authorized patrons and sponsored guests. Park entrance fees apply. Peter Walburn, 960-5155

Na Mea Hawai‘i Hula Kahiko performance, Sat, Aug 13, 10:30 - 11:30 a.m. Traditional hula and chant performed outdoors on the hula platform overlooking Kīlauea Crater, featuring Hula Halau o Kou Lima Nani E with kumu hula Iwalani Kalima. Cultural demonstrations 9:30 a.m. - 1:30 p.m. at Volcano Art Center Gallery in Hawai‘i Volcanoes National Park. Free; park entrance fees apply. 967-8222

Sunday Walk in the Park, Aug 14, 11 a.m. – 2 p.m., Kīlauea Iki Crater in Hawai‘i Volcanoes National Park. Nick Shema leads this three-hour, four-mile hike. Free to members of Friends members; other are welcome to join in order to attend. 985-7373 or programs@fhvnp.org



Donkey Tales will provide donkeys to represent the pack animals used on the plantation.

Photo by Rachel Keolanui Epperson

Celebrate Culture of Pāhala at Ka‘ū Plantation Days Aug. 20

To mark the 15th anniversary of the local sugar mill closing down, Ka‘ū Plantation Days takes place Saturday, Aug. 20. Under the trees at the Old Manager’s House in Pāhala, there will be displays, talk story and documentation of the history of the people. There will be food from the ethnic groups who make up the community, cultural demonstrations, music, dance and more from 9 a.m. to 3 p.m. The date coincides with the weekend of the annual Ka‘ū High School Alumni Reunion, which takes place the next day, Sunday, Aug. 21. “Everyone living here before the closing is a part of the plantation days – the pig farmer, the teacher, the nurse, the barber, the tailor, the tofu maker – whether they worked for the plantation itself or not. The plantation was here for approximately 125 years and affected all lives. This will be a day to share and to honor, a time to remember, a time to celebrate what we had, what we have, and the future,” said a statement by planning committee member Lynn Hamilton.

For more information, contact Ka‘ū Plantation Days planning committee member Ella Jerusalem Louis, 928-0401, P.O. Box 398, Pahala, HI 96777. Email ellakoali@yahoo.com.

Youth Craft, grades K – 8 register Aug 15 – 18 for program Wednesdays, Aug 24 – Sept 28, 3 – 5 p.m., Pāhala Community Center. Nona, 928-3102

‘Ike Hana No‘eau Cultural Program, Wed, Aug 17, 6:30 - 8 p.m., Kīlauea Visitor Center Auditorium. Singer, songwriter and kumu Kīhei Nahale-a performs.

Pāhala Quilting Group, Thu, Aug 18, 1 – 4 p.m. All levels welcome. Ka‘ū Resource and Distance Learning Center, 96-3126 Puahala St. Marypat, 989-4594

Hawaiian Civic Club of Ka‘ū, Thu, Aug 18, 929-9731 or 936-7262

Statehood Day, Fri, Aug 19. Ka‘ū public schools closed.

Volunteer Forest Restoration Project, Fri, Aug 19, 9 a.m. – 3 p.m., Kahuku Unit of Hawai‘i Volcanoes National Park. Volunteers collect seeds for native plant propagation in the park’s greenhouses. Pre-registration required. 985-7373 or forest@fhvnp.org

Kick Ice sign waving, Fri, Aug 19, 2:30 – 4:30 p.m. in front of Nā‘ālehu School gym.

KAHU Radio Interviews Brittany Smart, Fri, Aug 19, 4:40 p.m. Retired police officer and Pāhala resident Bobby Gomes interviews the District 6 County Council member.

Carbo Load Dinner, Fri, Aug 19, 5 – 8 p.m., Kīlauea Military Camp’s Crater Rim Café in Hawai‘i Volcanoes National Park. Chicken piccata, meat lasagna, penne and fettuccine pasta, salad bar, dessert and more. Free hula show at 7 p.m. \$17 adults, \$8.50 children 6 - 11. KMC

is open to authorized patrons and sponsored guests. Park entrance fees apply. 967-8356

Volcano Art Center Rain Forest Runs, Sat, Aug 20, 7 a.m., Cooper Center on Wright Road in Volcano Village. A half marathon, 10K run, and 5K run/walk at 4,000 feet elevation. Open to runners and walkers of all ages and abilities, the event promotes fitness, the natural environment and is a fundraiser to support community art programs by Volcano Art Center. \$35 - \$75. Run for Fun Keiki 100- and 200-Yard Dashes, 10 a.m. Free for ages 1 – 7; all participating keiki receive a ribbon and bag of goodies. 967-8240

Ocean View Community Association Pancake Breakfast, Sat, Aug 20, 7:30 – 10:30 a.m., Ocean View Community Center.

Ka‘ū Plantation Days, Sat, Aug 20, 9 a.m. – 3 p.m., Pāhala Plantation House. Ethnic foods, music, dance, films, displays of history and talk story sessions. Ella Jerusalem Louis, 928-0401 or lynnbybay@aol.com

Recycling at Nā‘ālehu School, Sat, Aug 20, 9 a.m. – 1 p.m., Nā‘ālehu School Gym. Redeem your HI-5 sorted by type; receive 5 cents per container and additional 20 cents per pound on all aluminum. Atlas Recycling donates 20 cents per pound on all aluminum redeemed to the school. 939-2413, ext. 230

Society of Creative Anachronism, Sat, Aug 20, 2 – 3 p.m. Medieval recreation group talks, plans events, does handicrafts and more. Call for location. Michael, 895-8013

A Night of Slack Key, Sat, Aug 20, 7 – 9 p.m. Stephen Inglis with special guests Dennis and Christy Soares. Volcano Art Center’s Niaulani Campus in Volcano Village. \$10. 967-8222

Ka‘ū Alumni and Friends 10th Annual Class Reunion, Sun, Aug 21, 11 a.m. – 5 p.m., Pāhala Community Center. Potluck, live entertainment.

Plant and Seed Exchange, Sun, Aug 21, noon – 3 p.m. at Naohulelua Historical Church on Kamaoa Road. Container Plants and Herbs Talk, 1:30 p.m. Parking along road. 929-7236

Edible Creations, grades K – 8 register Aug 22 – 26 for program Wed, Aug 31, 3 – 5 p.m. Nona, 928-3102

Save Ocean Poster, ages 5 – 12 register Aug 22 – 31 for program Tue – Thu, Sept 6 – 8, 2:30 – 3:30 p.m., Kahuku Park. Marc, 929-9113

After Dark in the Park – Kīlauea’s March 2011 Kamoamo Fissure Eruption: What Happened and What’s Next, Tue, Aug 23, 7 p.m., Kīlauea Visitor Center Auditorium in Hawai‘i Volcanoes National Park. Geophysicist Mike Poland discusses this event that caused major changes in Kīlauea’s 1983 – present east rift zone eruption. \$2 supports park programs; park entrance fees apply. 985-6011

District 6 Matters: Office of Aging, Wed, Aug 24, 9 a.m., Nā‘ālehu Community Center & 1:30 p.m., St. Benedict’s Church; Thu, Aug 25, 9:30 a.m., Cooper Center & 2 p.m., Pāhala Community Center. Office of Aging officials Wes Lum and Alan Parker join Council member Brittany Smart in visits to discuss the challenges seniors face. 961-8536

‘Ike Hana No‘eau Cultural Program, Wed, August 24, 10 a.m. to 12 p.m. on the Kīlauea Visitor Center lanai in Hawai‘i Volcanoes National Park. Kilohana Domingo and his mother Lehua share the skills and art of Lei Hulu and Pāpale Lauhala.

Reading Program, Thu, Aug 25, 3 – 4:30 p.m., grades K – 8, Pāhala Community Center. Nona, 928-3102

Ocean View Community Development Corp. meeting, Thu, Aug 25, 5:30 p.m. at Ocean View Community Center.

Wildfire Preparedness Workshop, Thu, Aug 25, 6 – 7 p.m., Ocean View Community Center. Hawai‘i Wildfire Management Organization presents this workshop that highlights strategies to protect homes and families against wildfires. Carolyn Stewart, 885-6354

AARP Driver Safety Training, Fri, Aug 26. This four-hour class is open to everyone. No driving, no tests, no exams. \$12 current members, \$14 non-members. Mike Last, 929-8422.

Fun Night at Ocean View Salon, Fri, Aug 26. Christie, 929-7411

Kīlauea Wings Buffet & Red Hot Lava Wings Challenge, Sat, Aug 27, Kīlauea Military Camp’s Lava Lounge in Hawai‘i Volcanoes National Park. Buffet purchase of \$6.95 includes Red Hot Lava Wings Challenge at 7 p.m. KMC is open to authorized patrons and sponsored guests. Park entrance fees apply. 967-8371

Live Jazz Summer Series: Elena Welch, Sat, Aug 27, 7:30 p.m., Volcano Art Center’s Niaulani Campus in Volcano Village. \$15. 967-8222 or volcanoartcenter.org

Ocean View Food Basket, Tue, Aug 30, noon - 2:30 p.m. at Ocean View Community Center. 939-7000

Community Forum with Sen. Gil Kahele, Wed, Aug 31, 5:30 – 7:30 p.m., Cooper Center in Volcano Village. Email questions and concerns to senkahele@capitol.hawaii.gov with the “Cooper Center Forum” in subject line.

EXERCISE AND MEDITATION

Pāhala Pool Schedule: Water Aerobics 9 – 10 Mon/Wed/Fri; Public Recreational Swim Mon - Fri 10 – 11 a.m., Wed/Thu 12:30 – 5:30 p.m., Mon – Thu 1:30 – 4p.m., Sat 9:30 – 11 a.m. and 2 – 5:30 p.m., Sun 8:30 – 10 a.m. and Sun 1 – 4 p.m.; Adult Lap Swim Mon/Tue/Fri 11 a.m. – 12 p.m., Wed/Thu/Sat 11 a.m. – 12:30 p.m., Sun 10 – 11:30 a.m. 928-8177 or www.hawaii-county.com/parks/aquatics

Yoga, Mon 7:30 a.m./Tue 5:30 p.m., Volcano Art Center’s Niaulani Campus in Volcano Village. Emily Catey focuses on stretching and releasing physical and mental tension. Open to beginning and intermediate students. \$10. 967-8222

Interval Fitness, Mon, 8:30 – 9:30 a.m., Ocean View Community Center. Weights, balls and Pilates. A.C.E. certified instructor Erin Cole, 640-8473

Calendar, cont. from pg. 9

Iyengar and Yin Yoga, Mon/Wed/Fri, 10 – 11:30 a.m.; Ocean View Community Center. Mats and props provided. Stephanie, 937-7940

Exercise for Energy, Mon/Wed, 3:30 – 4:30 p.m., Discovery Harbour Community Center. DVD instructions; bring your own band, ball and mat. Free w/donation of non-perishable food. Becky, 345-4334

Zumba, Mon, 6 – 7 p.m., Nā'ālehu Community Center. Certified Zumba instructor Erin Cole, 938-4037

Basketball & Volleyball, Mon – Thu, 5 – 9 p.m., Nā'ālehu Community Center. Richard, 939-2510

ZUMBA, Tue, 10 – 11 a.m., Sat, 9 – 10 a.m., 19-4074 Old Volcano Road in Volcano Village. Weekly dance classes with Jami Vezina. \$5. 238-2019 or zumbawithjami@gmail.com

Karate Classes, Tue/Thu, 6 – 7:30 p.m., Ocean View Community Center. Instructor Peter Lubke offers free classes for all ages. 939-7033

Free Play Outdoor Games, Tue/Thu, 10 a.m. – 6 p.m., Kahuku Park. Marc, 929-9113

Free Play, Tue, 3 – 4:30 p.m., grades K – 12, Pāhala Community Center. Nona, 928-3102

Gentle Senior Yoga, Wed, 3 – 4 p.m., Nā'ālehu Hongwanji. Senior price \$10 for 10 sessions.

Yoga, Wed, 6 – 7:30 p.m. Pāhala Community Center. Steve, 345-1061

Yoga for Everyone, Wed, 10 – 11:30 a.m., Cooper Center, Volcano. Yes, you can do yoga, no matter your age or flexibility. \$10 per class or \$42 for 6-week session. Debra Serrao, 985-7545

Beginning and Intermediate Yoga, Thu, 4:30 – 6 p.m. Will have morning session either Mon or Tue, 8 – 10 a.m. Call for info. Noa's Island Massage in first cottage next to Nā'ālehu Park. Please come 10 min. early. \$10 a class or \$80 for 10 classes. Noa Caiserman, 756-3183

Zumba, Thu, 5 – 6 p.m., Ocean View Community Center. Certified Zumba instructor Erin Cole, 640-8473

Gentle Yoga, Fri, 8 – 9 a.m., Cooper Center, Volcano. For those who wish to deepen their yoga practice or begin. \$7 a class or \$30 for six-week session. Debra Serrao, 985-7545

WEEKLY & DAILY EVENTS & ACTIVITIES

Volcano Winery Tours, daily, 10 a.m. These tours of the vineyard and tea field are free and open to all ages. Longer tours available for \$25 or \$45 per person. 35 Pi'i Mauna Dr., Volcano. 967-7772 or volcanowinery.com

Playgroup, daily, 10 – 11:30 a.m., Wai'ōhinu Park. For any age. Hettie Rush, 929-8572

Volcano Farmers Market, Sun, 7 – 10 a.m., Cooper Center. Fruits and veggies, swap meet and more.

Free Lunches, Sun, after 12 noon, Nā'ālehu Hongwanji. Sponsored by Thy Word Ministries-Ka'ū and the Food Bank Hot Meal Program.

Sizzlin' Sundays, Kīlauea Military Camp in Hawai'i Volcanoes National Park. \$1 Bowling, 4 – 8 p.m. Chef's Specials at Crater Rim Café, 5 – 8 p.m.: Surf 'n' Turf Special Short Ribs and Panko Breaded Mahi Mahi, \$13.50; Teri Chicken Meal Deal, \$8.95. Specials include dessert and beverage. Thirst Quenchers at Lava Lounge: Fire Down Below, Just Peachy, or Sundae Tea \$5 each. KMC is open to authorized patrons and sponsored guests. Park entrance fees apply. 967-8371

Ocean View Community Center computer lab, Mon – Fri, 8 a.m. – noon. Members \$2/hour, non-members, \$4/hr. 939-7033 for information on computer classes.

Niaulani Nature Walk, Mon, 9:30 a.m. This one-hour nature walk travels through a lush portion of an old-growth Hawaiian rain forest on an easy, 1/7-mile loop trail. Volcano Art Center's Nialulani Campus in Volcano Village. Free (calabash donations welcome). 967-8222 or www.volcanoartcenter.org

Tūtū and Me Traveling Preschool, free classes Mon/Wed, Nā'ālehu Community Center; Tue/Thu, 8:30 – 10:30 a.m., Pāhala Community Center. Limited to 50 participants in each area. 929-8571

Pāhala Senior Center: Lunch served Mon – Fri, 10:30 a.m. for residents aged 60+. Julie, 928-3101

Nā'ālehu Senior Nutrition Center (Hawai'i County Nutrition Program), Lunch served Mon – Fri, 10:45 a.m. for residents aged 60+, greater Nā'ālehu area. 939-2505

Ocean View Nutrition Site and Senior Club hosts activities at St. Jude's Church on Mon/Wed/Fri from 8:30 a.m. and provides lunches 11 a.m. – 12:30 p.m. for seniors 60+. Donations requested. On Thu, the program takes seniors to Kailua-Kona for doctor appointments, grocery shopping and to pick up prescriptions. Program closed on Tue. Dick Hershberger, 989-4140

After School Tutoring, Mon – Fri, 3 – 4:30 p.m., Kahuku Park. Marc, 929-9113

Ka'ū Farmers Market, Wed/Sat, 8 a.m. – noon, front of Ace Hardware in Nā'ālehu. Produce, Hawaiian, arts and crafts, fresh baked goods. Table is \$5. Limit 12 vendors. 929-7236

Community Bookstore, Wed, 10 a.m. – 3 p.m. at Kauaha'ao Church in Wai'ōhinu. 938-0411

Fresh Locally Grown Produce for Seniors, Wed, 12:30 – 1:30 p.m. at Kahuku Park in Ocean View.

Game Night, Wed, 6:30 p.m., Discovery Harbour Community Center. Lucy Walker, 929-7519

Quilting Group, Thu, 9:30 a.m. – 4 p.m., Discovery Harbour Community Center. 929-9576

Friends Feeding Friends, Thu, 4 – 6 p.m. at Cooper Center on Wright Road in Volcano Village. www.volcanocommunity.org

Knit Night, Thu, 6 – 9 p.m., Kīlauea Military Camp's Java Café in Hawai'i Volcanoes National Park. Fans of fiber arts help each other, share and learn together. 985-7027, 967-8352

Women, Infant, Children Services, Fri (except holidays) at various locations. 965-3030 or 934-3209

Joy School Preschool Playgroup, Fri, 9:30 – 11:30 a.m., Discovery Harbour Community Center. 929-8732

Free 'Ukulele, Slack Key and Steel Guitar classes, Fri, 1 – 5 p.m., Pāhala Boys and Girls Club. Keoki Kahumoku. 935-0463

OVCA Green Market, Fri, 2 – 6 p.m., Ocean View Community Center. Fresh produce, fruits, herbs, flowers, plants, honey and more. ovcahawaii@gmail.com or 939-7033

Live Entertainment at Hana Hou Restaurant, Fri, 5:30 p.m. in Nā'ālehu. 929-9717

Live Music Fridays at South Side Shaka, Nā'ālehu. 929-7404

Ocean View Teen Club, Fri, 6 – 9 p.m., Ocean View Community Center. Ages 13 – 18. 217-5593

Ocean View Farmers Market, Sat, 7 a.m. – noon, Pohue Plaza

Treasure Hunt Resale Outlet, Sat, Ocean View Farmers Market. Debra Bridgers, 936-9358 or www.makemyday-hawaii.com

Substance Abuse Evaluations, Sat, Ka'ū Family Center in Nā'ālehu. An Intervention/Awareness class is also being offered to first-time DUI offenders. No charge for assessment if recommended to the Intervention/Awareness class. Cory, 756-5768

Alcoholics Anonymous meetings: One Day at a Time Group, Sat, 6:30 p.m., Cooper Center; Pāhala Group, Wed, 7:30 a.m., Holy Rosary Church; Southern Star Group, Tue, 7:30 p.m., Sacred Heart Church in Nā'ālehu; Friday Night BBQ Meeting, Fri, 5 p.m., Wai'ōhinu (929-7674); Happy, Joyous and Free Group, Mon/Thu, 7 p.m. and Sat, 5 p.m., St. Jude's in Ocean View. West Hawai'i Inter-group, 329-1212 or the Hilo office, 961-6133

Square Dancing, Sat, 7 – 8:30 p.m. at Ocean View Community Center. Open to all; under 12 must be accompanied by an adult. Joe, 808-646-0479

Refinery, cont. from pg. 7

ity of the mixture is in the diesel fraction, through distillation and close monitoring of the microwave process the majority fraction can be shifted to kerosene or gasoline providing feed for the jet fuel and gasoline process lines. The freezing point of the fuels that are generated from the MWDP process meet the maximum FP limits for JP-8 and JP-5, which make it an attractive alternative to fossil fuels.

What are the physical properties of the fuel – is it corrosive? The fuel produced

compares with diesel and other hydrocarbon fossil fuels. It may be considered a “drop-in” fuel to replace existing fossil fuel products. The microwave process breaks down the oxygen bonds which in turn reduces the acidity of the fuel, and its hygroscopic (water absorbing) properties and generates a less corrosive fuel.

How will the new fuel impact emissions? In general, when growing biomass for conversion to fuel the US DOE allows the sequestration of CO2 to be included in

Refinery, pg. 14

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KA'Ū TROJAN SPORTS

Volume 8, Number 12

News of Ka'ū School & Community Sporting Events

August, 2011

Southside Junior Boys Volleyball Teams Rank Fourth in Nation

The Southside Junior Boys Volleyball 12-and-Under and the 13-and-Under teams both took fourth at the USA Volleyball National tournament this summer in Minneapolis. The club sent three teams to nationals and reported the tourney gave them lots of experience against tough competition.

The 12-and-Under team won six out of twelve games, beating teams from Puerto Rico, Southern California and O'ahu

with Ka'ū team members Kameron Moses, Nai'a Makuakane, Addison Enriques and Avery Enriques. The Southside 13-and-Under team, with Ka'ū team members Cameron Enriques, Emmett Enriques and Brian Gascon, won nine out of the 12 games they played. The newly formed 13-and-Under team did not place, but gained experience to get ready for next year's Nationals being held in Dallas, Texas.



Left to right Front row: Landon "Kai'a" Raffipiy, Emmett Enriques, Chase Tanaka, Brian Gascon, Isaiah Laeha, Cameron "Kai" Enriques, Mamane Namahoe, Treavor Castro. Middle row: Coach Jon Enriques, Addie Enriques, Kameron Moses, Nai'a Makuakane, Logan Thomas, Turi Kekuaokalani, Avery Enriques, Tristen Cross, Coach Samuel Thomas and Coach Guy Enriques. Top row: Makana Fong, Kaniela Alvia, Grant Galimba, Austin Maldonado, Kolby Aiona

Hollywood Stuntman Endoso's Family Donates \$1K to Ka'ū Little League

Kenny Endoso, a former Pāhala resident and an award-winning Hollywood stuntman, was remembered when his family donated \$1,000 to the Nā'ālehu Cardinals Little League team. Endoso battled multiple myeloma for over six years before succumbing to the disease last August. Nā'ālehu Parks and Recreation Coordinator Richard Karasuda said that Endoso was a member of the first Little League team in Ka'ū. Endoso's wife Lauren said Endoso was a talented catcher and that Little League and Ka'ū were so important to Endoso, the family wanted

to give something back in his memory. She also said that Endoso, who also became a Little League coach in California, credited his stuntman athleticism to his Little League experience as a youth.

"Kenny's life was pool halls and baseball," said Lauren, relating that Endoso's grandfather owned the pool hall in Pāhala. Endoso was a stuntman on several productions, including the original Hawai'i Five-0, Magnum P.I., Die Hard, Lethal Weapon and Big Trouble in Little China to name a few. He also served as the stunt

Endoso, Cont. on pg. 12

Over 100 Paniolo Compete at Ka'ū Rodeo

Hundreds of spectators watched as over 100 entrants competed at the 33rd Annual Fourth of July Rodeo last month, sponsored by the Ka'ū Roping and Riding Association at the Nā'ālehu rodeo arena.

Nine-year-old Kilihea Mockchew reigned as Rodeo Queen. Eight-year-old Lorilee Lorenzo, of Pāhala, earned first runner-up, and five-year-old Tehani-Mae Espejo-Navarro, also of Pāhala, attended as second runner-up. All rode in the Fourth of July Parade.

Pā'ū riders also represented paniolo roots in the parade. Island representatives were: Ni'ihau - Teani, Derick and Ricky Souza; Kauai - Brooke Shibuya and Holden Galigo; O'ahu - Lindsay and Kalani Vierra; Maui - Tiana Ka'auamo and Rigan Ka'apana; and Lana'i - Shyann Fuerte and Kaimanu Dancel.

The final results from the two-day rodeo are as follows:

Sheep Riding - 1st Chance Miranda, 2nd Tobias Naihe, 3rd Kayden Correa; **Junior Bulls** - 1st Jyrus Malicki; **Goat Undecorating (ages 4 and under)** - 1st Kaila Medeiros, 2nd Dedrick Souza, 3rd Teani Souza; **Goat Undecorating (ages 5 to 8)** - 1st Hana Kang, 2nd Ty Steven, 3rd Deji Joseph, 4th RB Boteilho; **Dummy Roping (4 and Under)** - 1st Dedrick Souza, 2nd Kaila Medeiros; **Dummy Roping (ages 5-8)** - 1st Trisyn Kalawaia, 2nd RB Boteilho, 3rd Ry-

zaiah Boteilho, 4th Kellsea Medeiros; **Calf Roping** - 1st Kevin Hill, 2nd Aukai Rawlins, 3rd MP Kamakana; **Po O Wai U** - 1st Keola Luando, 2nd Steven DeLuz, 3rd Sonny Kakealani, 4th Kevin Hill; **Open Dally** - 1st Aki Smith and Nolan Nobriga, 2nd Marla Loando and Keola Loando, 3rd Henry Muragin and Nicky Rapoza, 4th Ryan Sanborn and Dustin Galapir, 5th Laurie Diego and



A roping team chases a calf at the Nā'ālehu rodeo arena.

Photo by Julia Neal

Travis Gomes; **Kane-Wahine Dally** - 1st Kevin Hill and Marla Loando, 2nd Aukai Rawlins and Cookie Kawamoto, 3rd Kaylsa Hamilton and Dusty Miranda, 4th Keola Loando and Macey Loando; **Team 90's** - 1st Brian Anderson and Gilbert Smith, 2nd George Gaspar and Chris Awa, 3rd Cookie Kawamoto and David Joseph; **Double Mugging** - 1st Jeff Cabral and Brian DeMattos, 2nd Mikey Boy Andrade and Clint Medeiros, 3rd Nicky Rapoza and Bronson Branco, 4th Nicky Rapoza and Kevin Hill, 5th Alike Miyasato and Henry Muragin; **Junior-Senior Mugging** - 1st Ryan Sanborn

Rodeo, Cont. on pg. 12

Kahuku Keiki Go Cuckoo for Decathlon

Kahuku keiki received their first taste of decathlon competition Saturday, July 16 at Kahuku Park in Ocean View. Genny Galletes, Kahuku Park Summer Fun Program Director, and Loren Heck, of Friends of Kahuku Park, hatched the idea for the First Annual Kahuku Cuckoo Keiki Decathlon for Summer Fun Program participants and other Ka'ū kids.

"Most of the kids who competed never heard of a decathlon. There were no javelins or shot puts, and no one pole vaulted 18 feet, but the event was very well received," commented Madalyn McWhite-Lamson.

The decathlon prefaced the Dinner at the Park, which has restarted regular dinners and good times at Kahuku Park, said McWhite-Lamson. Her husband Robin Lamson, also the Friends of Kahuku Park chairperson, began the successful Dinner at the Park event years ago to raise money for Summer Fun and to pay for park improvements.

Keiki competed in the 100-yard dash, cargo-net crawl, 50-yard soccer ball kick-and-run, mini-horseshoe pitch, and the basketball dribble-and-shoot events. Participants in the Juniors division, featuring kids ages five to 10, and the Masters division, athletes ages 10 and over, competed in a mile run. "Just for the fun of it, some parents tried to finish the course as well," said McWhite-Lamson.

Loren and Diane Heck awarded gold, silver, and bronze medals to 18 winners in the three divisions, which included the Juniors and Masters and the Pee Wees, kids up to age five. All 23 entrants took home a "I must be cuckoo to run the Kahuku" T-shirt.

Jason Lofland, a well-known local chef, prepared a dinner of beef brisket, rice pilaf, and fresh corn on the cob and received a medal for his culinary talents. The dinner, organized by Galletes, sent diners away happy and well-fed, said McWhite-



Proud keiki receive their medals.

Photos by Madalyn McWhite-Lamson



Ault, Kala, Garcia and Napoleon family keiki celebrate their wins.



Genny Galletes and chef Jason Lofland Lamson.

Proceeds from the event will be used for Kahuku Park Summer Fun activities. "Mahalo to the participants, the volunteer helpers, and those who attended the dinner. Stay tuned for future Dinners at the Park," advised McWhite-Lamson.

Ka'ū Community Sports & Events Calendar

AUGUST, 2011

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Ka'ū High Fall Sports Start

Ka'ū High football kicks off the fall sports season with their first game on Saturday, Aug. 27 at Honoka'a at 6 p.m. The team started practice July 27 under the guidance of head coach Greg Rush.

The August Ka'ū High athletic schedule is as follows:

Mon, Aug. 1 - Girls volleyball tryouts at the school gym with proper medical clearance and practice wear. Coach is Elijah Navarro. **Air riflery** or **bowling** sign-ups during lunch with Athletic Director Kalei Namohala. Riflery coach is Lory Koi. Bowling Coach is Hi'ilani Lapera. **Cross-country** sign-ups with coach Angie Miyashiro by the end of day.

Sat, Aug. 18-20 - Girls volleyball pre-season tourney at St. Joseph's. In order to try out for sports, students need a current physical examination recorded on a Department of Education State Physical Form; a current Student Participation Form; and proper dress attire, which includes practice shorts, shirt and shoes. A shirt must be worn at all times and girls' tank top straps must be no less than one-inch wide.

The athletic department is creating a variety of sports spirit packs which athletes may purchase. These will have different combinations of the following items: bag, polo shirt, practice shirt and shorts and jacket. "We hope to get things squared away by mid-August," said Namohala.

Coaches also received the opportunity this summer to attend a free HMSA and HHSAA Coaches Clinic at Kealakehe and Kea'au which featured the topics of nutrition, sport agility drills, and drugs, alcohol, tobacco and concussion concerns, shared Namohala.

For more sports information, call the athletic department at 928-2012.

Rodeo, Cont. from pg. 11

and Bronson Branco, 2nd Boots Kaapana and Kaimanu Dancel, 3rd Josh Gomes and Tayana Cardoza; and **Wahine Mugging** - 1st Jaime Loando and Laurel Yanagi, 2nd Macey Loando and Tati Boteilho, 3rd Macey Loando and Marlo Loando, 4th Brandy Gomes and Raisha Grace.



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Joven Padrigio



Trevor Taylor



Elexis Emmsley



Christian Miguel



Jameason LeMaire

Nā'ālehu Cardinals Make All-Stars

Several members of the Nā'ālehu Cardinals were chosen to join the Kona Coast All-Stars team based on performance during the Little League summer season. Elexis Emmsley, Trevor Taylor, Jameason LeMaire, Joven Padrigio, Christian Miguel played in the Minors tourney for ages 10-12 in Hilo. Donovan Emmsley also assisted All-Star Coach Nolan Udac. In an exciting game, the Kona Coast All-Stars were down 10-3 versus Hamakua in the second inning. The team rallied 16 batters to end the fifth inning for the win. Final score: 15-12. Po'ai Emmsley and Cruz Horan represented Ka'ū for the Kona Coast All-Stars, ages nine to 10. Po'ai's pitching skills shined as she entered the team's final game to strike out the last two batters in the fifth inning and all three in the sixth for a game shut out. Her team won 9-7. Following the win, Po'ai asked her father Donovan why all the boys on the other team were crying. *Photos by Pamela Taylor*

Endoso, Cont. from pg. 11

safety advisor for *Waterworld* and owned and operated Stuntman Productions, an equipment rental company for stunt work. Endoso was very instrumental in getting many asians involved in stunt work, said sister Pearl Cordero.

Endoso's son Michael, also a stuntman, said his dad developed many techniques to make stuntwork safer, even developing a better fire gel. Michael shared his dad's philosophy on sports: "No matter where you came from, or how you

spoke, or how much money or education you have, sports levels the playing field."

The Endosos still have family in Ka'ū - Frank Gusman and Aunt Mildred Andrade, of Nā'ālehu. Endoso's daughter Carlisa shared that her father "was so proud to be from Ka'ū."

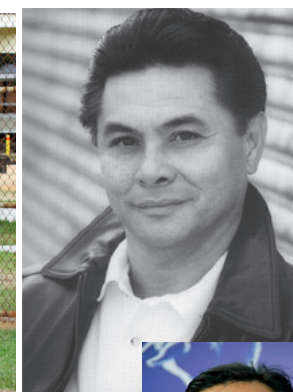
The Nā'ālehu Cardinals is the first official Little League team to emerge in Ka'ū after a hiatus of several years.



Nā'ālehu Cardinals - Front row (l-r): Kaleo Mello, Reshallynn Kekoa-Jara, Shyann Tamura, Isaia Hashimoto; Middle row: Jameason LeMaire, Cruz Horan, Travis Taylor, Christian Miguel, Trevor Taylor Back row: Weston Davis, Dane Shibuya, Jr., Elexis Emmsley, Joven Padrigio, Po'ai Emmsley, Kainalu Satkofsky; Missing: Kalani DeCoito (Team Manager) Donovan Emmsley (Assistant) Mac Davis (Assistant) *Photo by Pamela Taylor*



Front (l-r) Anthony Emmsley, Elexis Emmsley, Trevor Taylor, Po'ai Emmsley and Joven Padrigio; Back: Richard Karasuda, Donovan Emmsley, Cynthia Emmsley, Kalani DeCoito, Carlisa Endoso, Laureen Endoso, Lilah Endoso, Michael and Nicolle Endoso and Pearl Cordero. *Photo by Pamela Taylor*



Above, Kenny Endoso in his prime and, at right, in his later years.

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Kenny Endoso, second from right, prepares for a movie scene in costume. *Photo courtesy of the Endoso family*

Refinery, cont. from pg. 10

the balance. Consequently the reduction in CO2 emissions will be of the order twelve times (i.e. 1/12th of emissions). With conversion of plastics and other MSW products the reduction in GHG and CO2 emissions is about one quarter, plus the reduction in volume disposed in the landfill. The molecular structure of the fuel produced also has fewer saturated bonds which reduces particulate emissions and produces a cleaner burn, and the increased energy value of the synthetic diesel reduces the consumption approximately 10 percent on a gallon for gallon basis.

What other benefits can be derived

Ka'ū Veterans Remember

Ka'ū veterans and families are invited to share their pictures and stories for a ceremony planned for this Veteran's Day at Nā'ālehu Park from 9 to 10 a.m. The theme is Remember, Be Sure and Be There, the title of an old Hawaiian song and a favorite of the Ka'ū Multicultural Society members who are spearheading the event. "We want to honor all veterans: the ones that are from here, those who came here to make their home, and those who have passed on," said Darlyne Vierra, Ka'ū Multicultural Society president.

Vierra is also the curator of the Ka'ū History mobile exhibit, which features a variety of pictures, artifacts, stories and even video celebrating Ka'ū's past and its people. While doing research on Ka'ū, Vierra discovered old newspaper articles about WWII veterans, which listed several Ka'ū residents. "Many that knew me from baby time were WWII veterans, but I never realized it," said Vierra. One such vet was Phillip Barro. "I told him, 'I never know you were in WWII.' He said, 'That's okay. Everybody forgot us. I said, 'You are not forgotten.'" Thus, Vierra was inspired to start plans for a ceremony to honor all vets. She said she recalls large Veteran's Day celebrations being hosted in Ka'ū during the plantation days.

Parts of the Ka'ū History exhibit will be on display on Veteran's Day in the Nā'ālehu Community Center with a special section dedicated to Ka'ū veterans. To share stories or pictures, contact Vierra at 640-8740.

L&L, cont. from pg. 1

sees Wu's three restaurants. Although food delivery to Ocean View will increase the franchise's costs, the restaurant remains committed to affordability and will not raise prices. "The prices will be the same as in Kona," promised Chan. Normally the restaurant has produce delivered several times a week to maintain fresh quality, but distance is a challenge for their Kona suppliers. Chan said they hope to source local produce from Ka'ū such as eggs, lettuce, tomato and cabbage.

With over a 100 menu items and many local favorites, the restaurant touts itself as a Hawaiian Barbeque. "It's not fast food; we call it fast service," said Chan, as every dish is cooked to order. Usual turnaround time for a meal is five to six minutes. How do

from MWDP process for generating fuel?

CHAR AS A PRODUCT- The char produced as a by-product has intrinsic value as a soil amendment after composting. Initial inquiries indicate it will have considerable economic value as well as an admixture for potting soils and fertilizers. When used in this manner the char has an added environmental value as 100 percent of the carbon content will be returned to the soil.

EMISSIONS - The process itself has no emissions since 100 percent of the vapor produced is captured for processing. Traditional heating of biomass and crude oil use external heat from "tail gas" which in practice has extremely high flue gas discharges.

OPERATION AND MAINTENANCE



A designer's rendering of the future Ka'ū refinery between Pāhala and Wood Valley.

Talk story with CDP SC Members

Members of the Ka'ū Community Development Plan Steering Committee will be hosting informational tables at upcoming community events and meetings in August. Although the draft Ka'ū CDP is not available for review yet, the public is invited to talk with members and receive information about the CDP process and project history and updates.

Steering committee members will be at Ocean View Swapmeet on Saturday, Aug. 13 and at the District 6 Matters meeting

they accomplish this? The grill is always on, even if there are no customers, said Chan. "The prep work is tremendous," added Chan.

L&L also has around 20 daily specials, which will slowly be introduced to the Ocean View location. A crew hand-picked from Wu's Kona restaurants will trek to Ocean View to get the restaurant up and running for the first few months. After that, the restaurant will look to hire locally seasoned staff and will train newbies, starting with cashiers. In all, the restaurant will provide close to 30 jobs.

Wu has 15 years experience with L&L, starting as an employee and working his way up to owner. He became a franchise partner in other Big Island locations before venturing off to open the Keauhou restaura-

- The configuration of the process plant improves and simplifies plant operation and maintenance. With multiple in lieu of single trains maintenance can be scheduled without interrupting production and a variety of feed stocks can be processed simultaneously.

What independent information is available about the viability and safety of the proposed biofuel production technology? Microwave technology has been used in the food processing and pharmaceutical industries for the past 50 years. Our technology is no different than that technology and we will use the same safety and operational precautions as used in those industries.

Does AKP's process produce pyrolysis

oil? No, pyrolysis oil is derived in an oxygen starved process, meaning there is some, but minimal oxygen present. The pyrolysis oil process works at over 500 degrees Celsius, and creates different chemical reactions to occur during the gasification phase of Pyrolysis resulting in highly oxidative and unstable pyrolysis oil that is very corrosive. The AKP gasification process occurs in an oxygen free environment at much lesser temperatures, (300 degrees Celsius) and includes nitrogen flooding and the addition of hydrogen. The resulting renewable diesel is stable, non-oxidative, is non-acidic with a pH of approximately eight and has an average Btu value of 125,000 per gallon which is much closer to at the pump diesel of 128,000 Btu per gallon. Furthermore, after processing, Btu values will be higher than pump diesel. All of the analysis shows the AKP process creates an oil that is much closer in characteristics to fossil diesel than a pyrolysis oil.

AKP appears to have a lack of expertise, specifically agronomists. We are bringing on board a number of subject matter experts. We are working with the Hawai'i Agricultural Research Center in developing optimal varieties of feedstock for our plant. We have retained John Carroll, an agronomist, and Mike Thieman, an expert in sustainable biomass production, to assist us in the agricultural aspects of our project. We have also retained John Cross and James Cuddihy, both of whom were involved in the sugar business in Ka'ū for many years with the Ka'ū Sugar operation and will provide significant insight. We are prepared to retain other expertise as required.

Does AKP have an agricultural plan for the project? AKP has a three step plan that is being developed and will include significant input from local farmers and ranchers. AKP also has a written protocol that has been agreed to with the Hawai'i Islands Land Trust that guarantees there will be environmentally sound land management practices followed.

Why has AKP proposed several different types of grasses to use as feedstock? We want to select a non-invasive grass that meets the energy needs of AKP and the nutritional needs of local ranchers. Test plots will determine optimal varieties and methods. Existing invasive and cultivated biomass will gradually be harvested while other grasses and trees are cultivated where appropriate.

What is the environmental impact? The project in and of itself benefits the environment by reducing green house gases and CO2 emissions. A model used by the U.S. Department of Energy called the GREET model finds that the production of biodiesel as well as the use of biodiesel produces less GHG and emissions than petroleum and will result in a net reduction through the growth of biomass. There will be no SOX, NOX, heavy metals, or particulates from our facility. The carbon dioxide from our facility will be absorbed by the biomass feedstock crops.

How does burning biofuel reduce greenhouse gases? Biofuels burn cleaner than petroleum fuels, producing far less

*Refinery, pg. 16
The Ka'ū Calendar*



Patriot walks the flag.



Princesses on horseback invite everyone to the rodeo.

Photos by Julia Neal



Ka'ū Coffee farmers show off their queens and princesses.

Ka'ū Struts its Stuff at Independence Day Parade

Beauty queens, representatives of Ka'ū businesses, elected officials, children's programs, community organizations, car and motor cycle collectors, firemen and the police helped to entertain along Hwy 11 at the annual Independence Day Parade the Saturday before July 4 in Nā'ālehu. Sponsored by 'O Ka'ū

Kākou, the parade featured Miss Ka'ū Coffee and her court along with rodeo queens and princesses and the Hawai'i County Band. A Patriot walked carrying the American flag. Ka'ū Auto Repair paraded a wrecked car, with the message *Don't Drink and Drive*.

Summer Fun gets the kids outdoors and walking.



Miss Ka'ū Coffee Brandy Shibuya.



Brittany Smart and supporters.



Young Miss Ka'ū Coffee First Princess Shalei Penera rolls through town.



Ka'ū School of the Arts promotes creativity.



Sting Ray zips along Hwy 11.



John Masters points to a smashed car with the message Don't Drink and Drive.



Friends of Gil Kahele walk for the Senator.



South Side Shaka's carries the flag by jeep.



The County Band is funded and marching along.



Nadine Ebert on two wheels.



Giant lei for horses with women riders and escorts.



Volunteer firefighter waves at the crowds.



Motorcyclists make the ride through Nā'ālehu.

The Ka'ū Calendar



Tiny rider with the biggest lei for her steed.



Gowns drape from horses who are draped in lei.



Hawai'i Volcanoes National Park celebrates with Hawaiian and U.S. Flags.

Governor Abercrombie Signs South Kona Wilderness Act



South Kona Wilderness Area at Kapua Bay, before the March tsunami. The house was thrown off its foundation but has since been rebuilt.

Photo by Kai'ali'i Kahele

The South Kona Wilderness Area bill has been signed by Gov. Neil Abercrombie. Championed by Rep. Bob Herkes and Sen. Gil Kahele, it is designed to preserve lands rich with cultural, biological, and historical significance. Kahele said, "The wilderness area provides a mechanism to address both the community's interests in utilizing the area for recreational purposes and protecting the vast amounts of archaeological sites, native plants, and native animals that exist in the preserve."

The lands in the wilderness reserve are at Honomalino and Okoe from the shoreline to 6,000 feet inland and the Manukā Natural Area Reserve boundary extended to the shoreline at Manukā and Kalanamauna. The bill will prevent subdivision of the state-owned land and construction of new homes or structures within 1,000 feet of the shoreline.

Native Hawaiian Keiki Programs Receive \$13 million

Programs for native Hawaiian students have won more than \$13 million in federal grants, which will be distributed to 23 agencies by the U.S. Department of Education through the Native Hawaiian Education Act. The University of Hawai'i, state agencies, private firms and nonprofit groups make up the recipients. Rep. Mazie Hirono said that the "innovative educational projects will make a difference in the lives of Native Hawaiian children and young adults. Just five months ago House Republicans sought to eliminate funding for Native Ha-

waiian education programs. We were able to fight back with the Young-Hirono Amendment and preserve this funding. Moving forward, we must remain vigilant in defending against further attempts in Congress to do away with Native Hawaiian programs."



Sen. Dan Inouye said that "too many Native Hawaiians face a unique set of obstacles on their way to obtaining a quality education. Many of these children live in challenging communities and often have difficulty navigating risky environments to attend school

and better themselves." Recipients with programs in Ka'ū include Partners in Development Foundation, which oversees Tūtū &

Me, the preschool educational program, and Hui Ho'omalū, which helps place teens and children with temporary families.



Refinery, cont. from pg. 14

green house gases than petroleum fuels and have less particulates released into the air. Biofuels also provide a "carbon sink" advantage by growing crops, which absorb carbon dioxide. (U.S. Dept. of Energy)

What crops will be grown to supply the facility with biomass? As of right now, sterile napier grasses, Christmas berry and eucalyptus trees will be used. There is the possibility that other grasses may be considered; if that is the case only those that are classed as non-invasive will be pursued. Other than grown crops, AKP will consume invasive plant species to Hawai'i, that already grow in Ka'ū - such as Christmas Berry and Guinea Grass. AKP will work closely with the Department of Agriculture, University of Hawai'i, and others to provide a means for disposal and eradication of invasive species

of plants in Hawai'i. Prior to our Ka'ū Energy Farm, their effort to eliminate or even reduce alien plants was limited because there was no means to destroy the plants once they were collected. Our facility can provide the means other than herbicides and burning.

How much land are you using? Are you cutting down forests? AKP has leased 12,800 acres from the Olson Trust and the Mallick family. As such we are only using about 1/10th of the agricultural land in Ka'ū - and NONE of the conservation forest land.

How much fuel per acre will you produce? Our facility will produce between 3,000 and 5,000 gallons per acre per year, depending on the feedstock.

How do you plan to water your crops, given Hawai'i has been in drought conditions? The region has successfully

Refinery, pg. 18



**Put a little spice in
your life with South
Point Salsa. 4 great flavors to
choose from - Mild, Hot, Chipotle
which is sugar free and Pineapple.
Can't find it? Call our salsa
hotline 929-9432**

E PILI ANA HO'OMANA

Volume 9, Number 9

The Good News of Ka'ū, Hawai'i

August 2011

Habitat for Humanity Helps Family Earn a Home in Ocean View

Habitat for Humanity has finished another project in Ka'ū, this one a home in Ocean View for the Deanna and Kealoha Martin 'Ohana. A celebration took place in June at the four-bedroom, two-bath home. The mother of four said the family went through hard times and was reduced to living in a "bust up tent." The father of the family thanked everyone and said his family had grown beyond his wife and children to the members of New Hope Church, Habitat and his neighbors. The new home allows the Martins to service an affordable mortgage without interest. It was provided with help from many community volunteers who offered labor and materials, as well as Habitat for Humanity, which provided financing and

logistical support and funding.

Volunteers, friends and family wrote words of hope on ribbons and attached them to a citrus tree provided to the family along with other housewarming gifts and a luncheon. Habitat for Humanity West Hawai'i covers an area that extends to Ocean View. Habitat for Humanity Hilo covers the rest of Ka'ū. The organization helps provide home ownership in a program that gives families a chance to work on their own success rather than giving them a handout.

Residents can sign up to become recipients of help from Habitat or to volunteer, donate money, labor, building materials and even houselots through habitatwesthawaii.org or by calling 331-8010.



The Martin family and friends with a tearful and thankful prayer for their new Habitat home in Ocean View. Photo by Julia Neal

Kei Ka O Pele: The Ringing of the Bells available in Ka'ū



The rectory in Wai'ōhinu built by Father Damien for his friend Father Ruault. Father Celestine Nicaise Ruault stands to the left, and the Catholic school meister, William Patrick Hart, is to the right. Father Ruault was stationed in Ka'ū for 52 years as the only priest in the district.

The recently released new book, *Ke Kani O Pele: The Ringing of the Bell*, is now available from several outlets in Ka'ū. This history of the Catholic faith in Ka'ū is 85 pages in length and covers the history of Ka'ū from 1841 to the present. The book was written by Jim Spielman of Ka Lae. It has some photographs by Ka'ū photographer Peter Anderson.

To obtain a copy, contact any one of the following people: Ella Louis, of Pāhala, at 928-0401; Dorothy Kalua, of Pāhala, at 928-8486; Larry Larkin, of Nā'ālehu, at 929-7677; or Charles and Hazel Tobias, of

Ocean View, at 430-1371.

The book is also available after the weekend masses in both parishes: Sacred Heart in Nā'ālehu on Saturdays at 5 p.m. and Sundays at 10 a.m.; Holy Rosary in Pāhala at 7 p.m. on Saturdays and 7:30 a.m. on Sundays.

The book is available for a suggested offering of \$10, but no one will be refused because of money. 100 percent of the monies received go to the two churches.

"Please support this project and in the process support the Catholic Faith Communities of Ka'ū," said Spielman.



Reggae Ministry Comes to Ka'ū

Mark Mohr and his wife Avion Blackman of the Christian reggae group Christafari will be ministering in music and Word at Thy Word Ministries Ka'ū on Sunday, Aug. 7 at 10 a.m. Their latest album *Third World Girl*, which was produced with scenes around the Big Island, will be available for purchase. Photo by Waldyr Oliveira, Jr.



Churches Come Out for Independence Parade

Churches in Ka'ū came out with messages of hope and patriotism for the annual Independence Day parade in Nā'ālehu, including Lighthouse Baptist Church, above left, Nā'ālehu Assembly of God, above right and Thy Word Ministries. Photos by Julia Neal

Donate Backpacks to Children

A backpack drive to assist children less fortunate in these hard economic times invites anyone to drop off backpacks at the police stations. All police stations around the island will double as drop-off points through September. Backpacks have been identified as the most requested non-food item for charities in Hawai'i. The donated

backpacks will be distributed to children at women's shelters, homeless shelters and transitional housing facilities around the Big Island. This is the third consecutive year the Police Department has worked in partnership with HOPE Services Hawai'i (formerly known as the Office of Social Ministry) and the Kids to Kids program.

GUIDE TO KA'Ū CHURCHES

VOLCANO

- New Hope Christian Fellowship 967-7129
- Volcano Assembly of God 967-8191
- Kilauea Military Camp Chapel 967-8333, Protestant - 9am Catholic - 11:15 am, Sundays

PĀHALA

- River of Life Assembly of God 928-0608
- Holy Rosary 928-8208
- Pāhala Bible Baptist Mission 928-8240
- Pāhala Hongwanji 928-8254
- The Universe Story monthly meetings 928-0151
- Wood Valley Tibetan Buddhist Temple & Retreat 928-8539

NĀ'ĀLEHU

- Assembly of God 929-7278
- Iglesia Ni Cristo 929-9173
- Jehovah's Witnesses 929-7602
- Kaunahā Church 929-9997
- Latter Day Saints 929-7123
- Light House Baptist 939-8536

- Nā'ālehu Hongwanji Buddhist Temple - 95-5693 Mamelahoa Hwy., Nā'ālehu, HI 96772

- Sacred Heart 929-7474
- United Methodist 929-9949
- Christian Church Thy Word Ministry meets in Nā'ālehu Hongwanji, Sundays 10 a.m. 936-9114

OCEAN VIEW

- Kahuku UCC 929-8630
- Ocean View Baptist Church 430-8268
- Worship Service: Sunday, 6 p.m. Ocean View Community Center. All are welcome!
- OV Evangelical Community Church 939-9089
- St. Jude Episcopal 939-7000
- Divine Faith Ministries 929-8570 (non-denominational) meets Ocean View Community Center 10 am Sundays, Children, Youth, Bible Study. Call for more information .
- Church of Christ 928-0027
- Back to the Bible! 9 am, Bible class studying Romans. Worship 10A.M. Expository lessons from N.T. Books

Stars Over Ka‘ū August 2011

by Lew Cook

As I was taking my family down Highway 11 through the Ka‘ū Desert in late June, my attention was directed at the crepuscular rays from behind Mauna Loa around sunset. Wikipedia describes them as “rays of sunlight that appear to radiate from a single point in the sky. These rays, which stream through gaps in clouds or between other objects, are columns of sunlit air separated by darker cloud-shadowed regions. The name comes from their frequent occurrences during crepuscular hours (those around dawn and dusk), when the contrasts between light and dark are the most obvious.” So look for them around sunset. They are also referred to as the “Ropes of Maui” from the Maori tale of Maui Potiki restraining the sun with ropes to make the days longer.

We have the setting of Saturn at the same time as the rising of Jupiter. We have to wait until early morning to see Mars. Venus and Mercury are not visible at mid-month. Oh, yes, please don’t be fooled by the annual “Mars is going to be bigger in the sky than the moon” hoax. Ain’t true. Never has

been, and never will be. Mars ranges from 4.41 arc seconds to a diameter of 4.70 arc seconds. The diameter of the moon at the chart date is 29 arc minutes and 54 seconds. That is 381 times the diameter of Mars.

We have two large celestial birds flying overhead this month. If you count the Hawaiian designations, there are three. Cygnus the Swan and Aquila the Eagle are in the first group, while Cassiopeia, the Queen, is replaced by ‘Iwa Keli’i, the Great Frigate Bird. Interestingly, Cepheus, the King, is seen as a king in both interpretations.

Date	Sunrise	Sunset
Aug. 5	6:00	6:56
Aug. 12	6:02	6:52
Aug. 19	6:04	6:47
Aug. 26	6:06	6:42

Moon Phases	
First Quarter	Aug. 6
Full Moon	Aug. 13
Last Quarter	Aug. 21
New Moon	Aug. 28

Lew Cook operates a modest size computerized telescope that looks deep into space from Pāhala. He emails measurements of his images and research to astronomers. For more information, go to his web site: www.lewcook.com/pahala.htm Some info has been obtained from wikipedia.com.

Refinery, cont. from pg. 16

grown sugar cane without additional irrigation. We do not anticipate irrigation for our sterile napier grass since guinea grass has proven to thrive without it. However, should a need arise, there is a reservoir available on the leased property.

Have the crops and their management regimes (e.g., mechanical harvesting) been tested in a range of site, drought, and air quality conditions in Ka‘ū? The existing land has already demonstrated the ability to grow grasses. Selection of the best grasses is underway and will be an ongoing program throughout the life of the project.

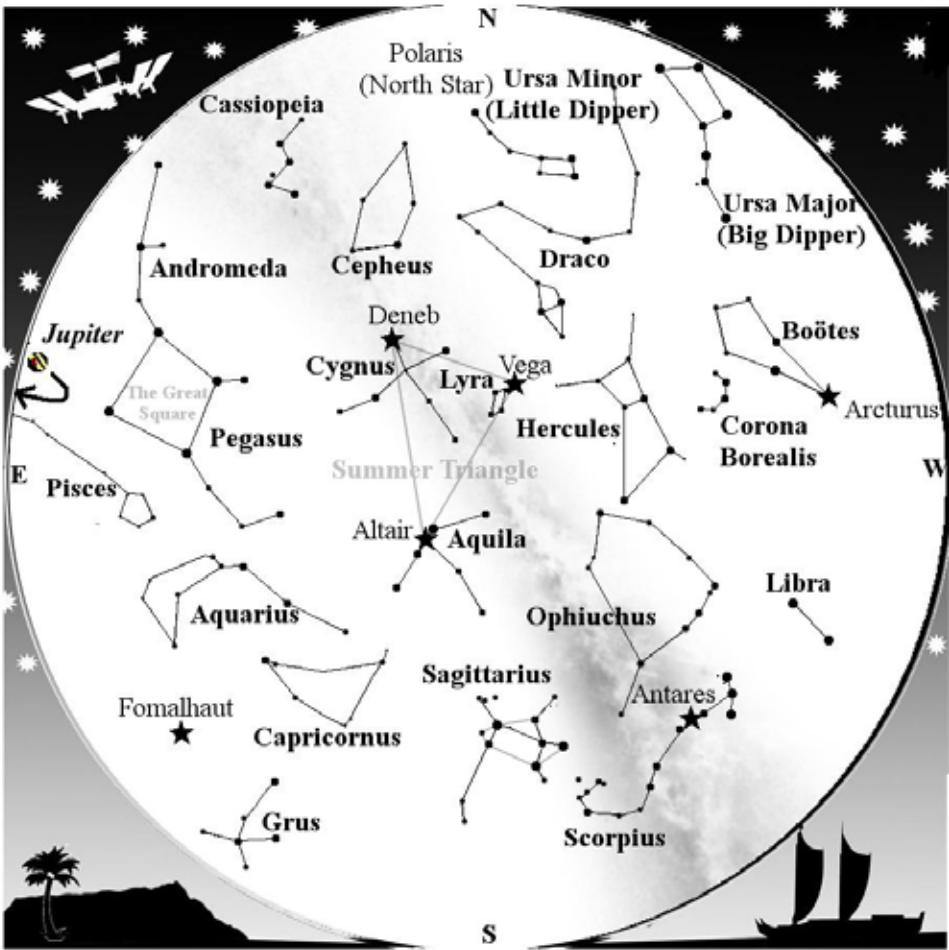
Can the crops produce the volume of biomass needed to produce 16 million gallons of biofuel per year? Yes. The biomass volumes needed can be produced from less than the total acres leased by AKP.

How might the crops and their management impact Ka‘ū’s other agricultural activity such as coffee growers, vegetable farms, cattle ranchers, forests, and coastal areas? Our feedstock crops should have no impact on other agricultural activity, for-

ests and coastal areas. Our facility should be beneficial to coffee growers, macadamia nut farms, and cattle ranchers. We can use the waste products from their operations e.g., macadamia nut hulls, old non-productive trees, coffee fruit pulp. We are looking to partner with cattle ranchers to develop dual land use in which the rancher and our biomass production can exist side by side. Various sterile grasses are being considered which grow extremely quickly for available cattle forage without impacting the production needs of the local ranchers. Cattle farmers will experience some impact from the additional management of relocating cattle in and out of land for grazing (i.e. between crop cycles), but it will be minimized where possible. Harvesting some of our grasses early can provide a nutritious hay forage if baled and delivered to the ranchers.

What other inputs will the crops need (e.g., fertilizer, pesticides, etc.), and how will their use be managed? We will need minimal fertilization with the grasses which we expect to plant. We can also use some of the composted biochar and other local agricultural wastes as a soil amendment. This will allow much faster growth of our feedstock. We do not anticipate the use of pesticides on this project.

Assuming some of the construction workers come from off-island (or from outside Ka‘ū and don’t want a long daily commute), where will they be housed? And how will that impact the affordability of housing for local families? How will other impacts of a significant, tempo-



How to use this map: Hold this map over your head so that the northern horizon points toward the north on the Earth. For best results, use a red flashlight to illuminate the map. Use this map at about 11:00 p.m. early in the month, 10:00 p.m. mid-month, and 9:00 p.m. late in the month. *Map provided by Bishop Museum Planetarium. Pre-recorded information: (808) 848-4136; Web site: www.bishopmuseum.org/planetarium. Podcast: feeds.feedburner.com/bishopmuseum; Email: Hokupaa@bishopmuseum.org

rary increase in population be mitigated? We will engage local sources to the maximum extent to perform the construction. This project is small enough that the number of people potentially brought in from outside the island to assist in construction could be housed locally and would not increase the population in any significant way. AKP also plans to hire Big Island based contractors for much of the construction work.

How does the project affect home values? We are not able to predict the impact on the housing market, however we may expect to see a short term gain in home values during construction which will level off after the facility is in operation.

What roads will be used, what improvements will be required, and what arrangements are being made with the roads’ private owners? Private roads are in the lessor’s lease and AKP will maintain those roads. AKP plans to develop a Private new access road connecting Wood Valley Road with Highway 11, to by-pass the Pāhala community.

During both construction and operation, how much traffic, noise, odor, waste, and emissions will be produced, and how will they be mitigated? Typical for a project of this size – Best management practices will be used as required by permits. It is our intention to set the biorefinery back from Wood Valley Road and expand a natural rise to partially block the view of the facility from the road.

How will the biofuel be safely stored and transported? We will design and construct fuel storage facilities as currently done in the U.S. The permitting process will assure compliance with all safety considerations,

including county fire department approvals.

Will any of the energy produced be used or available in Ka‘ū? Yes.

What impact will the project have on Ka‘ū’s rural lifestyle? It is the intention of AKP to enrich Ka‘ū, be a good neighbor and impact the local community in the least intrusive manner so as to not interrupt or change its lifestyle.

What community benefits is AKP willing to commit to communities in Ka‘ū? How will the project’s economic benefits be distributed? AKP is deeply committed to community giving in Ka‘ū. Although it is premature at this point in the project to identify specifics, AKP is committed to giving back to the community and is open to receiving community input for future consideration.

How many of the construction and operations jobs will be filled by residents of Ka‘ū and Hawai‘i Island? We hope to fill as many of the jobs available by local hires. It does not make sense to bring in outside personnel unless the capability is not available locally.

What training, education, and workforce development will be provided to prepare local residents for the available jobs? We are already meeting with Big Island Labor Alliance, Work Hawai‘i, and the University of Hawai‘i. We will work with the County Planning Department, the local high schools, and unions to develop training programs to fill our needs.

Is the project economically viable? Yes.

What is the price of biofuels being sold to HECO? This is proprietary information under the terms of the contract with



‘Aina Koa Pono says it can help coffee farmers get rid of agricultural waste in its microwave reactors.

Herkes' Vog Task Force Escapes Gov's Veto Pen

The vog task force bill championed by Rep. Bob Herkes made it past the governor's veto list. Gov. Neil Abercrombie stated that it duplicated other government efforts, but Herkes and the bill's other supporters were able to convince him that the new task force would be more focused.

Herkes told the *Hawai'i Tribune Herald* that the task force would accomplish

a job left undone by a state Interagency Task Force on Sulfur Dioxide Emissions, a 45-member group from around the state. The new 15-member task force will be chaired by the County Civil Defense director.

While vog is much less than it was two years ago when Halema'uma'u's new vent opened and the major vog events began, it is still a problem affecting agriculture, wildlife and people, said Herkes. Chief of state Civil Defense, Maj. Gen. Daryll Wong, helped Herkes write the bill.



Halema'uma'u vent at Hawai'i Volcanoes National Park.

Photo by Geneveve Fyvie

WIC Raises Income Limits

The Women, Infants, and Children nutrition program, commonly known as WIC, has increased its income limits to take in more families. A single pregnant woman can make up to \$2,611 a month, and a family of four can earn up to \$3,964 a month. The federally funded program provides vouchers to purchase such items as fruits, vegetables, eggs, juice and cereal for children up to the age of five. Participants can have a job and still qualify for WIC. See hawaiiwic.com or call 888-820-6425.

Dr. Mullen is New ER Doc at Ka'ū Hospital

Dr. Patricia Mullen, a Board Certified Family Practitioner, has joined the Emergency Department team at Ka'ū Hospital. The new ER physician is very experienced, spending more than 25 years in medicine taking care of patients in urgent care and emergency room settings in Santa Rosa, Ca. She



Dr. Patricia Mullen

has the added credential of being Board Certified in Addiction Medicine. Mullen moved to the Big Island last year and says she is thrilled to be living and working in such a beautiful place with people of many cultures. She is enchanted with Hawaiian music, hula, plants, ocean life, as well as the friendly people here.

"I think she will be a wonderful addition to our hospital," said Dr. Cliff Field, Medical Director. "She already understands a lot about our environment, and I think she will prove to be a very congenial provider for our community."

Ka'ū Hospital administrator Marilyn Harris said that Mullen "will be a wonderful addition to our hospital."

First Family Fun Fest Raises \$51,000 for Bay Clinic

'O Ka'ū Kākou president Wayne Kawachi and Raylene Moses, board treasurer and Ka'ū Family Fun Fest race chair, announced the final results of their fundraising efforts and presented a check for \$51,000 to Michael Gleason, Bay Clinic board of directors chair.

"This is so much more than a gift to Bay Clinic," said Mike Gleason upon accepting the check. "This is a gift for Ka'ū. For Hawai'i. For us all. This is the meaning of mālama. We are so grateful." He went on to say that the improved access to health care for the Ka'ū community will benefit the entire Bay Clinic service area of East and South Hawai'i. The new clinic building will allow

for double the staff and available patient visits in Ka'ū.

Bay Clinic's CEO Paul Strauss expressed his own gratitude to all members of the 'O Ka'ū Kākou board of directors, including June Domondon, Nadine Ebert, Jeanette Howard, Carol Massey, Katherine Okamura, Fred Ramsdell, Scott Stabo, Myra Sumida and Walter Wong Yuen. He also thanked additional members of the Ka'ū Family Fun Fest planning committee for their efforts, including Monica Adams, Tanya Aynessazian, Melissa Corrao, Guy Enriques, Yvonne Gilbert, Dixie Kaetsu and John Replogle.

The Ka'ū Family Fun Fest held June 11

included a half marathon, 10K and 5K races as well as tournaments, music, a silent and live auction featuring Mayor Billy Kenoi, and an entire day of healthy, family-friendly activities. The event drew over 1,000 attendees, including many international participants.

Bay Clinic is continuing to accept donations for the Ka'ū Family Health Center building fund at www.bayclinic.org. Founded in 1983 as a grass roots health center, Bay Clinic is now one of the largest nonprofit health care providers on Hawai'i Island, with seven service sites providing primary care, mental health counseling, family planning, pediatric and prenatal care, dental services and community outreach for the districts of Puna, Hilo, and Ka'ū. The Edmund C. Olson Trust made a large donation to the fundraiser. Plans for the second annual Ka'ū Fam-



'O Ka'ū Kākou Secretary and Fun Fest Chair Raylene Moses and OKK President Wayne Kawachi present a check for over \$50K to Bay Clinic CEO Paul Strauss and Bay Clinic Chairman of the Board Mike Gleason.

Photo by Fred Ramsdell

ily Fun Fest are already underway, though a date has not yet been announced. Contact the planning committee at kaufamilyfunfest@gmail.com for information on sponsorship and volunteer opportunities.



'O Ka'ū Kākou representatives present funds raised at the Ka'ū Family Fun Fest to Bay Clinic personnel. From left: Paul Strauss, Bay Clinic CEO; Monica Adams, Bay Clinic director of Development and Regulatory Affairs; Raylene Moses, 'O Ka'ū Kākou treasurer; Wayne Kawachi, 'O Ka'ū Kākou president; Michael Gleason, Bay Clinic Board of Directors chair; Jason Ferreira, Bay Clinic director of Health Information Technology; Doede Donough DO, Bay Clinic Ka'ū family physician.

Ka'ū Hospital

Caring for Our Community

Emergency Department Medical Staff

Cliff Field, MD Board Certified Family Practice

Dr. Patricia Mullen, Board Certified Family Practice and Addiction Medicine

John Wilkinson, MD Board Certified Emergency Medicine

Rural Health Clinic/Hospital Medical Staff

Dexter Hayes, MD, Board Certified Family Practice

Debra Kettleson, Nurse Practitioner, Board Certified Family Practice and Geriatrics

Medical Director: Clifford Field, MD

Clinic Hours:

Mon, Tues, Wed Friday 8am - 4:45

Thurs. 8- noon

To make a clinic appointment call 928 -2027

Corner of Hwy 11 and Kamani Street in Pāhala



Ka'ū Family Health Center

The Mobile Dental Van will provide dental services at the Ka'ū Family Health Center on Hwy 11 in Nā'ālehu. The dental van is in Ka'ū the first week of the month. For apt. call 965-3073

Call (808) 929-7311 for a medical appointment

Call (808) 965-3073 for a dental appointment

(walk-in's for dental care are accepted on first come-first served basis on Thursdays until 3pm)

"Serving our Ka'ū community since 1996"



KAHU 91.7 walks with its volunteer staff to promote public radio.



Rain Forest Runs walk part of the race day route.



Rep. Bob Herkes carries his goose.

Rain Forest Runs Offer Half Marathon, 10K & 5K

The second annual Rain Forest Runs take place on Saturday, Aug. 20. All runs start and finish at Cooper Center on Wright Road in Volcano Village. The half marathon begins at 7 a.m., followed by the 10K at 7:30 a.m. and the 5K at 7:45 a.m.

Packet pick-up and late registration is on Friday, Aug. 19 at Kilauea Military Camp's Ohia Room from 2 p.m. to 6 p.m. KMC is inside Hawai'i Volcanoes National Park, and park entrance fees apply. Registration for the 10K and 5K events is also available on race morning from 5:30 a.m. to 6:30 a.m. at Cooper Center. There is no race-day registration for the half marathon.

Keiki ages 1 to 7 can register for the free 100- or 200-yard dashes on race morning until 9:30 a.m. These events begin at 10 a.m. All entrants receive a ribbon and other goodies after crossing the finish line.

KMC is having a carbo load buffet on Friday, Aug. 19 from 5:30 to 8 p.m. at the Crater Rim Café. The menu includes chick-

en piccata, meat lasagna, penne and fettuccine pasta, salad bar, dessert and more. A free hula show is scheduled at 7 p.m.

The Volcano Rotary is serving a BBQ Grill Lunch at Cooper Center on race day from 9 a.m. to noon, or when the food runs out, for \$8. There will also be face painting, balloon animals, crafts and other booths.

Parking is limited, with parking lots located at Volcano Store, Thai Thai Restaurant, Volcano Garden Arts and Father George's. All lots are on Old Volcano Road and within walking distance of Cooper Center.

Race director Sharron Faff asks everyone to please use caution during the race morning to insure the safety of all participants, volunteers and spectators. "A big Mahalo goes out to everyone involved in this second annual community event," she said.

For more information or to volunteer, contact Faff at 967-8240 or Volcano Art Center at 967-8222 or volcanoartcenter.org.



Kilauea Lodge celebrates Independence Day.



An 'ukulele organization fills the air with stringed music.



Fencing is a parade stopper every year in Volcano.

Annual July 4 Parade Brings Sun to Volcano

The annual parade held on July 4 in Volcano brought sun and one of the biggest crowds ever to the parade and the celebration at Cooper Center. KAHU 91.7 FM Radio traveled up the slope from Pāhala to march for the public radio station. Hawai'i Wildlife Fund brought a crew that is found many weekends cleaning up the Ka'ū Coast. The cast of the play *Patience*, promoters of the Rain Forest Run and Rep. Bob Herkes with his goose, Sen. Gil Kahele and County Council member Brittany Smart all made the walk. Fencing Clubs, representatives of businesses like Kilauea Lodge and the local Volcano School of the Arts & Sciences were among the many participants.



Gilbert & Sullivan's *Patience* gets a promotion in the Parade.

Photos by Julia Neal



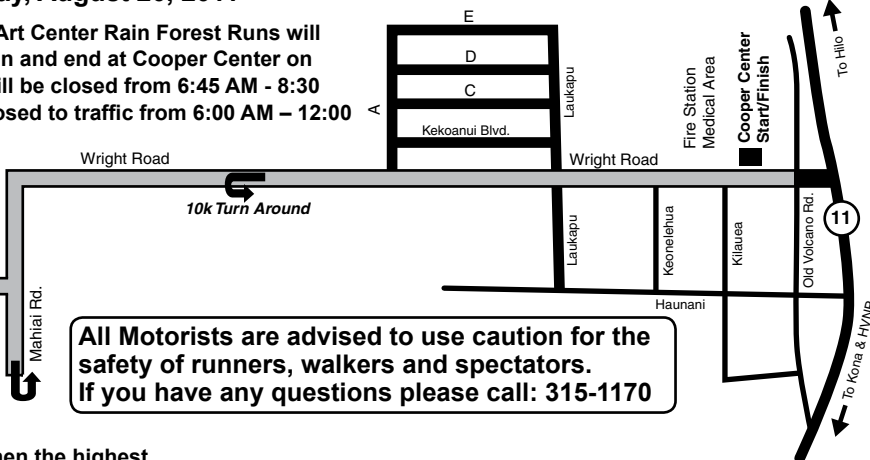
Hawai'i Wildlife Fund shows off nets and spreads the word on ocean pollution.

NOTICE TO MOTORISTS - Saturday, August 20, 2011

Saturday, August 20, 2011 – The 2nd Annual Volcano Art Center Rain Forest Runs will be happening in Volcano Village. The 3 races will begin and end at Cooper Center on Wright Road. Old Volcano Road through the village will be closed from 6:45 AM - 8:30 AM. Wright Road from Old Volcano Highway will be closed to traffic from 6:00 AM - 12:00 PM. Haunani will remain open for residents and visitors to access other village roads. Highway 11 will remain open throughout the event.

There will be Police officers directing traffic for the safety of the participants at intersections. Expect short delays. We apologize for any inconvenience this may cause.

Southbound Wright Road will be made available for residents to be able to get in and out. Residents are asked to minimize travel from 7:30 AM to 10:30 AM when the highest concentration of runners/walkers will be utilizing Wright Road.



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PANILOLO - 4 Bd, 2 Ba..... \$185/Night
PAHALA PLANTATION HOUSE - 7 Bd, 4.5 Ba, 3.5 acre estate..... \$600/Night

KA PEPA VOLCANO

Volume 9, Number 9

The Good News of Ka'ū, Hawai'i

August 2011

Patina Prayers Answered at VAC

Volcano Art Center Gallery is exhibiting a new collection of Christina Skaggs' contemporary fine art in the show *Patina*



Patina Prayers 1-9 with artist Christina Skaggs

Prayers from Aug. 6 to Sept. 18. The public is invited to an opening on Saturday, Aug. 6 from 5 p.m. to 7 p.m. at Volcano Art Center Gallery in Hawai'i Volcanoes National Park.

Born and raised in New York City, Skaggs has always made her living in the visual arts. She began her career in the early seventies as one of the first women to operate a camera for ABC and CBS. Her work ranged from shooting the beauty shots from the Goodyear blimp for Super Bowl VII to the Carter and Ford presidential conventions to variety shows such as

Patina Prayers, pg. 23

Photograph the Splendor of Nature with Jack Jeffrey

Award-winning photographer and wildlife biologist Jack Jeffrey offers sessions on photographing the splendor of Hawai'i's natural environment this month. On Saturday and Sunday, August 6 and 7, Jeffrey leads *In The Field: Nature Photography* in Hawai'i Volcanoes National Park. The public is invited to sign up for either day or both. Sessions run from 8 a.m. to 4 p.m. each day.

Participants learn to photograph plants,



Happyface spiders are just one of Hawai'i's unique creatures that attendees can hope to capture during nature photography workshops with Jack Jeffrey this month.

Photo by Jack Jeffrey



Photographer and wildlife biologist Jack Jeffrey. Photo courtesy of Jack Jeffrey

with opportunities to photograph many different native plants and, if we are lucky, even a happy face spider or two," said Jeffrey. "After lunch, we'll drive back to the Kīlauea Visitor Center and hike along the 'Iliahi (Sandalwood) Trail and photograph Kīlauea Crater and other native flora and

Jack Jeffries, pg. 23

flowers, insects, birds, scenics, and other native natural history subjects the way the professionals photograph them. Various aspects of nature photography will be discussed, including equipment, exposure, composition, lighting, close-ups, and photo ethics.

On Saturday, the seminar begins at Nahuku (Thurston Lava Tube) to catch the morning light and possibly native birds feeding on mamane and 'ohi'a blossoms. "We'll try our hand at photographing inside a lava tube. We'll take a short hike along the Escape Road

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Hula on the Platform

Hula Hālau o Kou Lima Nani E, with kumu hula Iwalani Kalima, performs traditional hula and chant outdoors on the hula platform overlooking Kīlauea Crater in Hawai'i Volcanoes National Park on Saturday, Aug. 13 at 10:30 a.m. Cultural demonstrations take place from 9:30 a.m. to 1:30 p.m. at Volcano Art Center Gallery. For more information, call 967-8222.

Photo courtesy of Hula Hālau o Kou Lima Nani E

New Way to Watch Volcano

Hawaiian Volcano Observatory has a new link on its website with video of lava rising and subsiding at Pu'u 'O'o. The Quicktime movies show a time-lapse sequence taken from a thermal camera on the rim of Pu'u 'O'o crater. The movie shows the rising level of the lava lake in the crater. During most of June, the level of the lava lake rose primarily due to overflows building the steep levee walls higher. Starting around July 1 July 1, much of the rise of the lava lake was due to uplift of the crater floor, carrying the lava lake upward. This uplift has been especially pronounced at times.

Refinery, cont. from pg. 18

HECO as they are currently negotiating other bio-fuel contracts.

What are the basic assumptions of AKP's finance and business plans? To sell fuel to HELCO and to grow our own feedstock to contain costs. We have a 20-year contract for our biofuel.

How will other sectors of the local economy, like tourism, be impacted? The local economy should benefit greatly from more locally available high paying jobs, creating new businesses locally to support the additional jobs created, and to bring in tourists who will be visiting Ka'ū to see how our plant operates. Our plant will be hidden from the view of residents to the greatest extent practicable. Our plant will have no negative

effect on Ka'ū's tourism economy.

Will the project result in greater economic diversity or dependence? Economic independence will be a side benefit as other service industries spring up in Ka'ū. As Ka'ū is primarily an agricultural area, by adding a new type of facility gives greater diversity. This also means that it will make Ka'ū more resilient to unexpected changes. For example, currently a poor crop of macadamia nuts or coffee depresses Ka'ū because there is little else generating the economy. Once AKP's facility is in place even an exceptionally dry or wet season will not affect the generation of biofuel and that will help keep the local economy regulated.

Aug 2011 Highlights

Concerts at Niaulani Campus

8/20 Stephen Inglis
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7:00 pm

8/27 Evening of
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7:30 pm



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8/6-9/18 Christina Skaggs: "Patina Prayers" Exhibit daily

8/13 Hula Kahiko Performance 10:30am
cultural demos 9:30am-1:30pm

8/15-10/17 Pilates w/Celeste Staton Mondays, 5:15-6:15pm

8/16 & 23 Hula, Lei & Ukulele Lessons 10:30 am-2:30 pm

8/20 Rain Forest Runs - 1/2 mar, 10K, 5K & keiki dash

For more information, call (808)967-8222
or visit www.volcanoartcenter.org

Trash Inc.: the Secret Life of Garbage Features Ka'ū's Beach

Ka'ū's Kamilo Beach is featured on the CNBC production called *Trash Inc.: the Secret Life of Garbage*. The television show, which can be watched cable and online, covers the overwhelming garbage problem in China, garbage emitting methane to power up the U.S. BMW manufacturing plant, and plastic bottles used for making fibers for everything from T-shirts to carpets.

The production focuses on Kamilo Beach here in Ka'ū as an example of what is happening to the world's beaches. They are turning into plastic - even tiny grains of plastic sand. The program mentions the volunteers who clean up Kamilo through the Hawai'i Wildlife Fund. It also interviews the founder of the Algalita Marine Research Foundation and its leader, Capt. Charles Moore, who discovered the Great Pacific Garbage Patch a decade ago, floating between here and California, and larger than the continental U.S.

Interviewed at Kamilo Beach, Moore says the plastics won't degrade for 600 years and that in addition to helping clean it up, the best way to prevent plastics from going

into the ocean is "source reduction." He said products made of plastic should be designed by planning to recycle them into new products before they are made. Only about 20 percent of plastics are recycled in the U.S., and U.S. companies making products out of recycled plastics have to import them from countries that recycle more, like Argentina, showing the low rate of recycling here compared to some other countries.

Moore also said it would be impossible to skim the entire world ocean to get rid of the plastics, since the ocean covers one third of the planet. Most plastics circulating in the ocean are thrown on the side of roads, rivers and streams, where they work their way down to the sea. *Trash Inc.* was first aired last September, is being repeated on CNBC and can be watched online at video.CNBC.com. Search Trash Inc. in the video gallery. The Algalita Marine Research Foundation also has a video on TED.com.

Hawai'i Wildlife Fund's next cleanup along the Ka'ū coast will be held on Saturday, Sept. 17.

Home Solar & Alternatives Could be Financed

Governor Neil Abercrombie has signed a bill intended to help more homeowners and renters access and afford clean energy. The measure directs the Public Utilities Commission to investigate on-bill financing, a program that allows customers to purchase a renewable energy system or device on their electric bill and pay for it over time through energy savings.

The governor originally planned to veto the bill because it requires the PUC to complete an investigation without any additional resources. After hearing about the governor's intent, private partners led by the Blue Planet Foundation offered to work with the PUC to cover costs and lessen the burden to fulfill the requirements of the bill. The spirit of problem-solving and partnership exhibited by the parties prompted him to sign the bill. "Working together, we can advance our clean energy goals with the kind of urgency and determination that these times demand," Abercrombie said.



Students work with Hawai'i Wildlife Fund to clean the Ka'ū Coast.

Honu'ea, cont. from pg. 1

rupted when Hawai'i Island Hawksbill Turtle Recovery Project coordinator Will Seitz reported that a green sea turtle had inadvertently crawled into and became stuck in the freshwater pond between the beach and the abandoned Punalu'u Restaurant. The distressed turtle turned out to be a critically endangered female Hawksbill sea turtle, the honu 'ea, whose numbers total just over 100 nesting females. Turner and Balazs were trying to deploy a large net to surround the turtle when Turner felt something brush up against him.

"The turtle bumped into me right as we got into the water, then swam toward the other end of the pond," Turner explained. "The second time I felt the turtle swim by I dove under, grabbed onto a hind flipper, and held on until the rest of the team could help. I couldn't see the entire body due to the muddy water, but I could tell it was a big animal."

It wasn't until students and researchers managed to restrain the honu 'ea and place it on a scale that they understood the extent of their discovery. At 309 pounds, the female hawksbill was one of the largest ever recorded. The animal was examined for injuries,

measured, tagged, and then released into the ocean as visitors and beach-goers looked on and erupted into applause.

For Balazs, a world-renowned sea turtle expert, the episode had a touch of déjà vu. It was just over 11 years ago that Balazs, with the help of UH Hilo Professor Leon Hallacher and a group of university Marine Option Pro-



CNBC came here to document one of the most plastic rich beaches in the world.

gram students saved another female hawksbill from the very same pond.

"George was telling us the story of that hawksbill as we were setting up, but we had no idea that history was about to repeat itself," said Jennifer Turner.

The latest rescued turtle is apparently known to observers. She is believed to be one of an estimated 12 percent of hawksbill females that utilize multiple beaches. The animal was seen nesting in July at Kamehame, where she was first tagged in 2005. She was also spotted there in

2007 in addition to a site at Halape.

How she ended up in the freshwater pond remains an open question. Balazs believes the animal may have entered the pond during the March tsunami and remained there until her rescue. There are also reports that she crawled into the pond sometime this summer after attempting to nest on Punalu'u beach, where a nesting turtle had been reported by the public weeks earlier.

What is certain is that for everyone involved, the rescue of a rare Hawaiian hawksbill turtle was an educational experience they won't soon forget and one that left quite an impression on the students.

"Awesome," said one student when asked how it felt to be involved in the rescue. "I'm seriously thinking of transferring here."



Honu'ea are critically endangered with only about 100 nesting females.

Photo by Jay Robinson



Kailiawa

Coffee Farm

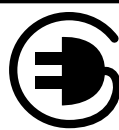
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Patina Prayers, cont. from pg. 21

Sonny & Cher.

Her first fine art collection was exhibited in the early eighties at the Santa Monica Museum of Art and featured five of her Erté-inspired, hand-cast porcelain marionettes. The success of this show led to a position as display director for the Right Bank Shoe Co. on Rodeo Drive in Beverly Hills. "The imaginative quality of those window displays drew enough attention that I was offered an art director position for MTV videos," said Skaggs. "The first one I designed was for the rock group Berlin's Now It's my Turn.

It was during this period that Skaggs had the opportunity to study privately with third-generation English master painter Gilbert Batty. "I studied with him every week for several years," said Skaggs. "Mr. Batty gave me the tools and the focus to develop my unique signature as a painter."

"Skaggs' recent paintings resemble carvings and textiles that live in the fu-

Jack Jeffries, cont. from pg. 23

fauna along the way."

On Sunday, the group explores Mauna Ulu to photograph interesting lava formations in the area. "Rainbow-hued lava drips, lava trees, and weird lava flows will be our target for photography in the morning light. Later we'll drive to Kipukapuulu (Bird Park) for lunch, then hike the one mile loop trail where we'll photograph rare and endangered plants, and possibly even Ka-

ture with roots firmly grounded in the distant past, thus combining the ancient with the modern," said Gallery manager Emily Catey.

Much has transpired since she debuted her new work in a small Hilo restaurant four years ago. Her paintings can be found in the Four Seasons Resort Hualalai, The Ritz-Carlton Kapalua on Maui, the Kaiser Permanente Medical Center, Hilton Hawaiian Village, Marriott Resort on Kaua'i and in private collections around the world. Recently, Skaggs was commissioned to create a large triptych for the entry corridor to the new In-Yó Cafe at Trump International Hotel and Tower in Waikiki.

"When you create a hundred or so paintings, a lot happens in between," Skaggs laughs. "You learn a lot. It takes time. Geometry is the skeleton. The play of light, symmetry of pattern, distinctive ancient cultures, a spiritual quality, the sensual and sensory – these are the beauties of God. These are my patina prayers."

mehameha butterflies," Jeffrey said.

This class is limited to 12 participants each day, so interested parties should sign up early. Due to unpredictable and variable weather conditions, changes in photo sites are possible. Saturday is designed for those with point-and-shoot cameras and those with limited field experience using their cameras. Sunday is for those who are more advanced since it will be a tip, tricks, and techniques seminar for those who have completed Saturday or who have some experience with their cameras in the field.

Jeffrey is a recipient of the prestigious National Sierra Club 2002 Ansel Adams' Award for Conservation Photography. His photos have been featured in *Audubon*, *Smithsonian*, and *Life* magazines, among others, as well as in books, text books, and calendars.

This event is presented by the Hawai'i Volcanoes Institute, a program of the Friends of Hawai'i Volcanoes National Park. For either Saturday or Sunday, program cost is \$55 for Friends members and \$75 for non-members. For both Saturday and Sunday, program cost is \$95 for Friends members and \$135 for non-members. Students in grades K-12 and college with valid ID are half-price. Non-members are welcome to join the Friends in order to get the member discount.

To register, call 985-7373 or visit www.fhvn.org.

Nominations, cont. from pg. 24

a significant cultural, social or civic connection to the Native Hawaiian Community and wish to participate in the organization of the Native Hawaiian governing entity. Hawaiian organizations with the purpose of "the betterment of the conditions of the Native Hawaiian people" that have at least a ten-year history can make nominations. The qualifications and the application are online at <http://hawaii.gov/gov>. Click on Boards and Commission.

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Celebrating the Evolution of Agriculture in Ka'ū

Nominations Open for Native Hawaiians

A Native Hawaiian Roll Commission will be established by state government through nominations being accepted through Aug. 5. Gov. Neil Abercrombie will select a member from each county plus an at-large member to serve on the commission.

"This is an important step for the future of Native Hawaiian self-determination and the ability for Native Hawaiians to decide their own future," said Abercrombie. "This Commission will put together the roll of qualified and interested Native Hawaiians who want to help determine the course of Hawai'i's indigenous people."

Nominees must be at least 18 years of age. They must be descendants of the aboriginal peoples who, prior to 1778, occupied and exercised sovereignty in the Hawaiian islands, or one of the persons or a direct descendent of a person who became eligible in 1921

for Hawaiian Homes Commission Act programs. The nominee must "have maintained

Nominations, pg. 23

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If you have any questions or would like more information about 'Āina Koa Pono and its aim toward an energy independent future based on non-fossil fuels, feel free to contact Aina Koa Pono's Operations Manager, Audrey Jewell, at 808-675-5636 or ajewell@ainakoapono.com.

The Principals of AINA KOA PONO, as long time residents of Hawaii, are sensitive to the needs and concerns of local people. We want to help communities evolve into happy and joyous places to live in harmony with the environment while providing sustainable opportunities for education, and employment in a safe and secure atmosphere.

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