

KILOLANI

THE STARGAZER



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Events

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Volume 4, Issue 2

Pepeluali (February) 2009

New shows are coming to the Planetarium! Be sure to check our **Events** and **Planetarium** show schedules on our website at imiloahawaii.org to learn what's happening and when.

'Imiloa Astronomy Center is open from 9:00 am to 4:00 pm, Tuesday through Sunday, and on these holidays: Memorial Day, King Kamehameha Day, Independence Day (Fourth of July) and Labor Day. We're closed on Thanksgiving, Christmas and New Year's Day.

Please send your comments and feedback to our Membership and Development Office at membership@imiloahawaii.org.

Calendar of Events at a Glance

-- details provided below

2009: International Year of Astronomy (IYA) - stay tuned for more info on events!

January - May 2009: Science Rocks! Wednesday after school program

February 7: Keiki Kilohoku Korner activities begin - every Saturday at 9:30 am

February 15: Galileo's Birthday Celebration and the public opening of *Two Small Pieces of Glass!*

February 15-27: 'Imiloa hosts the Hawai'i Island Science Fair

March 1: 'Imiloa's 3rd annual Birthday Bash and Community Free Day - Mahalo to our sponsor KTA Super Stores!

March 20-23: 'Imi Na'auao 2009 - Mahalo to Alexander & Baldwin Foundation!

April 14-17: 3rd annual Merrie Monarch programs at 'Imiloa

June 27-28: Camp 'Imiloa Family Program

June 29-July 3: Camp 'Imiloa

September: Celebrate Museums Month - visit 10 of our Hawai'i Island museums for free!

October: 2nd annual Hilo Wayfinding and Navigation Festival

October 24: IYA Block Party in the UH Hilo Science and Technology Park

December 4: Member Mahalo Holiday Party!

Moore Foundation Grant Update

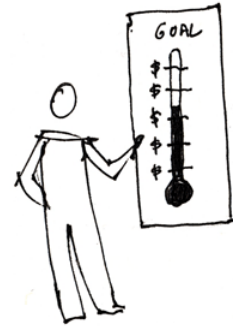
We're halfway there!

Goal: **\$134,158**

Raised: **\$73,775**

Every dollar counts. Help 'Imiloa bring all 30,000 Hawai'i Island schoolchildren to 'Imiloa free of charge with admission, transportation, and lunch provided.

Please show your community support and adopt a student, class, or school.



Give today by visiting:

<http://www.uhf.hawaii.edu/ImiloaMooreGrantFund>

Mahalo to these generous donors for their support:

Julius Gaudio and Chandra Jessee	\$25,000
Turner Foundation	\$10,000
Central Pacific Bank	\$10,000
Subaru Telescope	\$9,500
Dennis and Eleanor Keck	\$5,000
Rob and Terry Ryan	\$5,000
Stable Foundation	\$4,000

\$1,000+

Anonymous

Donald and Kathleen Romero
Kunori Pacific College

\$1 - \$500

Shizue Akiyama
Big Island Candies
Mary Canale
Lily and Robert Chow
Barbara and Lawrence Heintz
Don and Helen Hemmes
Michael Kaiserman
Ka'iu Kimura
George and Esther Kodani
Joseph and Doreen Lucas
Benjamin L. Thompson
James Thropp
Willocks Construction Company

Your donation is 100% tax deductible. [Click here](#) to download a pdf document with more information on the Moore Grant and what the keiki will experience on their

visits to 'Imiloa. Questions about the Moore Grant Match challenge? Contact us at (808) 969-9732.

Keiki Kilohoku Korner

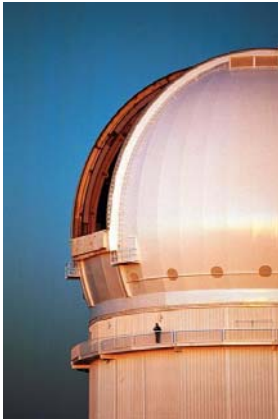
Activities every Saturday!



The Keiki Kilohoku Korner, or K-Cubed, will be every Saturday from 9:30-11:00 for the visitors who come to see *Legends of Orion*, our 10:00 am keiki planetarium show. Educational activities will take place in 'Imiloa's atrium area. Storytelling, science demos and experiments will be offered every Saturday.

February *Maunakea Lecture Series: Astronomy with Aloha*

Saturday, February 21 at 7:00 pm in the planetarium



On Saturday, February 21, at 7:00 pm, 'Imiloa Astronomy Center will host this month's popular *Maunakea Lecture Series* program. This month's program will be hosted by Dr. Christian Veillet, Executive Director of the Canada-France-Hawai'i Telescope (CFHT), and he will be speaking on "Astronomy with Aloha."

Dr. Veillet will highlight the achievements of the CFHT Observatory over the past 30 years, while presenting amazing pictures of the Universe - all while sharing the beauty of the Maunakea sky. The CFHT telescope was the first international observatory to have the privilege of making Hawai'i its home; the CFHT is the only international observatory on Maunakea in which the state of Hawai'i is a shareholder. The state of Hawai'i, alongside these two nations, successfully continue to make contributions at the forefront of today's astronomy.

The Sky Garden Restaurant will be open from 5:00 to 8:00 pm for dinner.

For more information about *Maunakea Lecture Series*, please visit the [Events](#), [What's New](#), and [Planetarium](#) pages at imiloahawaii.org.

Maunakea Lecture Series begins at 7:00 pm and is now on the third Saturday of every month. Because this is the International Year of Astronomy, all *Maunakea Lecture Series* programs will be **free** for members and the community at-large throughout 2009. First come, first serve. Please plan to arrive at least 15 minutes in advance.



Science Rocks!

'Imiloa's after-school program

Our after-school program, "Science Rocks!" is in full swing! Students from area schools are enjoying non-stop, high energy, hands-on science activities every Wednesday afternoon while school is in session. Don't miss out on this premier, high quality, science education program that parents are raving about and children don't want to leave. Check out all the information on our [website](#). This is where kids learn that science really *is* **cool** and that science is all around them!



Upcoming sessions include the following:

- February 18 - Weather
- February 25 - Geometric Bubbles
- March 4 - Inventions
- March 11 - Energy House
- March 18 - Slime and Polymer Chemistry

For more information or to access the enrollment form, please [click here](#).

Upcoming Events and Activities

Galileo's Birthday Celebration



Starting at noon on February 15, 'Imiloa Astronomy Center will be hosting Galileo's Birthday Celebration. This event commemorates the 400 years of telescopic exploration started by Galileo Galilei, the Tuscan physicist, mathematician, astronomer, and philosopher.

At noon, there will be a special planetarium show, unveiling a never-before-seen Hubble Space Telescope Image for the IYA2009. This show is free with admission. Please remember that it is first come, first serve.

At 1:00 pm and 3:00 pm, the new IYA2009 planetarium show *Two Small Pieces of Glass* will be premiering. This exciting show follows the experiences of two teenagers students at a local star party, learning how the telescope has helped us to understand our place in the universe. The two students learn about the discoveries of Galileo, Huygens, Newton, Hubble and many others, all while exploring the Galilean Moons, Saturn's Rings, and the spiral structure of galaxies. This show will transport



the planetarium audience to some of the largest observatories in the world, as well as to places of historical significance.

Besides these wonderful planetarium shows, the celebration includes educational Hands-on Optics activities in the Moanahoku Hall and amazing images from the Canada-France-Hawaii Telescope.

'Imiloa's 3rd Annual Birthday Bash and KTA Community Free Day!

'Imiloa's special day will be celebrated on Sunday, March 1 from 9:00 am to 4:00 pm. Sponsored by KTA Super Stores, admission is free all day to guests. Help us celebrate our 3rd birthday!



On this birthday celebration day, 'Imiloa will introduce three new exhibits in the Explorations gallery. These exhibits will introduce an upcoming mission, the Lunar Crater Observation and Sensing Satellite (LCROSS) which will launch in 2009 with the goal of determining the presence of water ice on the Moon. Three people from NASA will offer a range of mini-talks and activities all day long including the demonstration of a Moon Rover, fun Space Quiz, and opportunity to make and take home a spectrometer. Additionally, garden tours are planned, a kalo and poi pounding demonstration will be held, and a panel discussion of lexicon experts from UHH Hawaiian Language College will be held on the process of Hawaiian interpretation and language for space and astronomy.



Shizuno Nasu "Duet for Dance and Ikebana" Performance

This free performance will be held in the Earl and Doris Bakken Moanahoku Hall on Saturday, March 14 and also on Sunday, March 15 at 2:30 pm. Held in recognition of 'Imiloa's third birthday, Shizuno Nasu will dance in duet with Karen Masaki and the performance will feature ikebana created by Katsuyo Iwase and her students. Questions? Contact our Marketing Office at vrecinto@imiloahawaii.org

Merrie Monarch Festival 2009



The internationally renowned festival is back again for its forty-sixth year! This year's Merrie Monarch Festival will be taking place from April 12 through the 18. The major purpose of the festival is the perpetuation, preservation, and promotion of the art of hula and the Hawaiian culture through education. The festival allows for people of all ages to display their skills and knowledge of the art of ancient and modern hula. 'Imiloa Astronomy Center partakes in the festivities through numerous programs and activities.

Tuesday (April 14)

'Imiloa will be hosting the Hawaiian Oli and Chant in the morning as well as the Nawahiokalani'opu'u presentation about La'amaikahiki in the afternoon.

Wednesday (April 15)

There will be an exhibition entitled "Hula Instruments: The Trees & Plants that Produced Them" featuring Kana'e Keawe and performer Kuhi Sukanuma. In the afternoon, 'Imiloa will host a panel of Haku Mele (composers) and Ho'ike (demonstrations and performances).

Thursday (April 16)

This day will begin with Miss Aloha Hula's Ho'ike which will include a Q&A session, her experiences, and a special hula performance. The afternoon will focus on Piko Designs - the inspirations and research process for contemporary Hawaiian clothing design; this program will even include a fashion show!



Friday (April 17)

This is the last day to take part in the festivities at 'Imiloa. There will be a hula workshop with Manu Boyd and his halau in the morning and a performance by the same halau in the afternoon.

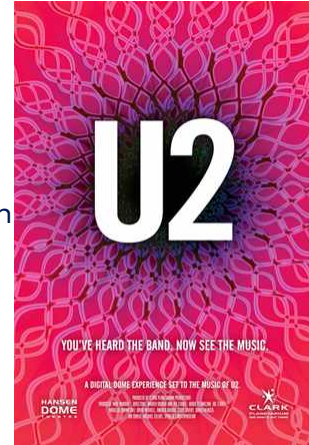
Throughout the week, there will be daily performances by one of Hawai'i's foremost female vocalists, Darlene Ahuna, in 'Imiloa's Sky Garden Restaurant from 11:30 to 12:30.

Come take part in this one-of-a-kind celebration of Hawaiian culture and dance.

In the Planetarium

U2 - You've heard the music, now see the music!

'Imiloa's new Friday night music entertainment show features one of the greatest bands of the last two decades: U2. *U2* is the first ever full-dome production featuring U2's timeless classics and modern hits. This show is a 43-minute immersive experience to the popular bands music, thanks to the high-tech, full dome digital video and 5.1 Dolby Digital Surround sound capability of the 'Imiloa Planetarium. See waves of rich computer renderings of colors, images, animations, and fractals that are choreographed with the band's music. From "Bullet the Blue Sky" to "Sunday Bloody Sunday" and "Elevation," this jam-packed show is full of U2's all-time greatest songs!



Shows will be offered every Friday at 7:30 and 9:00 pm. Cost is \$8.00 for members or \$10.00 for non-members. To purchase tickets, please call 969-9704 or 969-9703. You can also visit our front desk during regular business hours.

Two Small Pieces of Glass - NEW Planetarium show!

As part of Galileo's Birthday Celebration, the general public debut is on Saturday, February 15 at 1:00 pm and 3:00 pm.



This show was produced especially for IYA2009 to celebrate 400 years of astronomy and was made to engage and appeal to audiences of all ages. *Two Small Pieces of Glass* traces the history of the telescope from Galileo's modifications to a child's spyglass - using two small pieces of glass - to the launch of NASA's Hubble Space Telescope and the future of astronomy. Visuals will transport you to some of the largest observatories in the world, as well as to places of historical significance. The soundtrack was recorded by the London Symphony Orchestra.

Two Small Pieces of Glass will be shown daily in the 'Imiloa planetarium at 1:00 and 3:00 pm, Tuesdays through Sundays.

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