

KILOLANI

THE STARGAZER



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Volume 4, Issue 1

'Ianuāli (January) 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

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

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

January 21: Science Rocks! Astronomy II

January 29: Science Rocks! Astronomy III

January 30 - February 6, 2009 - Planetarium CLOSED for maintenance shutdown

February 15: New planetarium show called Two Small Pieces of Glass premieres!

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

March 1: 'Imiloa's 3rd annual Birthday Bash - Mahalo to our sponsor KTA!

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

June-July: Summer Camps at 'Imiloa

September: Celebrate Museums - 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: Member Mahalo Holiday Party!

Moore Foundation Grant Update

We're halfway to our goal! Help reach all 30,000 Hawai'i Island K-12 schoolchildren

Help to make a difference by adopting a student, a class or a school

Thanks to the support of members like you, we've raised \$59,725 toward our goal of \$134,000. But we still need your help! Please give today. Your gift subsidizes transportation, admission, and lunch for K-12 Hawai'i Island students' visits to 'Imiloa. Every dollar counts!



Here are a few options we hope that you will consider:

1. *Adopt a Student:* Your donation of \$25 per student will cover one student visit from a Hawai'i Island school and includes transportation, admission, and lunch. You can choose to sponsor one student or several.
2. *Adopt a Class:* Your donation of \$1,500 will sponsor an entire class of students from a Hawai'i Island school and includes transportation, admission, and lunch. This amount may be paid at one time, spread over three payments of \$500 each, or spread over at 12-month period for \$125 a month.
3. *Adopt a School:* Your donation of \$7,500 will sponsor an entire Hawai'i Island school to visit 'Imiloa and includes transportation, admission, and lunch. This amount may be paid at one time or can be spread over a 12 or 24 month period.

To give today, please go to Imiloa's giving page at the University of Hawai'i Foundation: <https://www.uhf.hawaii.edu/give/giving-gift.aspx?allocation=12521104>

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? Contact us at (808) 969-9732.

2008: The Year in Review

2008 was a very productive year for 'Imiloa, thanks to your support, and we were able to accomplish a lot...from relaunching our planetarium with its one-of-a-kind 3D stereoscopic capabilities, to launching our first feature show *Hawai'i's Observatories*, from hosting a multitude of community presentations and events (Maunakea Skies, Merrie Monarch festivities, the Hilo Wayfinding and Navigation Festival, etc.) to running our first summer camp, this past year was full of wonderful experiences.





'Imiloa launched the successful "Science Rocks" afterschool program, held museum theatre performances, and introduced the 'Imiloa experience to over 6,000 keiki thanks to the generosity of the Gordon and Betty Moore Foundation Grant. The 'Imiloa Planetarium has made a hit out of every new show offered to the public: from *Pink Floyd* to *Rock on Demand* and *Black Holes*, the planetarium always has something exciting to enjoy.

Mahalo nui loa for participating, giving time to, and believing in all that 'Imiloa has to offer. We appreciate all of our members and thank you for being part of our 'ohana.

There is so much more to be done in the new year and many, many more exciting things on the horizon for 'Imiloa. We hope that you will visit often in 2009 and that you continue to share your thoughts on how you feel we're doing - email us anytime at membership@imiloahawaii.org. We love hearing from you!

The International Year of Astronomy 2009

"The Universe, Yours to Discover"

The International Year of Astronomy 2009 is a global effort initiated by the International Astronomical Union and the United Nations Educational, Scientific, and Cultural Organization (UNESCO) to help people all over the world rediscover their place in the Universe through the day- and night-time sky, engaging in a personal sense of wonder and discovery. The goal for the Year is to stimulate worldwide interest in astronomy and science under the central theme: "The Universe, Yours to Discover."

This global celebration of astronomy and its contributions to society and culture, is highlighted by the 400th anniversary of the first use of an astronomical telescope by Galileo Galilei. Everyone needs to realize the significant impact that astronomy and other fundamental sciences have on our daily lives. In doing so, we may then understand how scientific knowledge can contribute to a more equitable and peaceful society. IYA2009 activities will take place locally, nationally, regionally and internationally. Already now, 135 countries are involved!



'Imiloa Astronomy Center is proud to say that we are participants in the IYA2009 and there will be numerous activities for our valued members and friends to take part in. Keep your eyes and ears open for the dates and times!

January Maunakea Lecture Series: Traditional Hawaiian Astronomy and Navigation



Saturday, January 17 at 7:00 pm in the planetarium

On Saturday, January 17, 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 Kalepa Baybayan, 'Imiloa's Master Navigator, and he will be speaking on "*Traditional Hawaiian Astronomy and Navigation.*"

Remember, the Sky Garden Restaurant will be open from 5:00 to 8:00 pm for dinner. Now serving espresso coffee drinks, beer, and wine. Enjoy the two best views

in Hilo!

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** 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. You don't want to 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! Hope to see your keiki there.

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

Planetarium Maintenance Shut-Down

January 30 - February 6, 2009

The 'Imiloa Planetarium will be closed Friday, January 30, to Friday, February 6. We will re-open on Saturday, January 7. We will be replacing optical blocks, upgrading lenses, re-aligning the system, and doing computer maintenance. Please note that this is a total shut-down and that no planetarium events or shows are able to be scheduled during this time.

Visitors during this time will receive 50% off the admission rates. We apologize for any inconvenience to you and mahalo for your understanding.

In the Planetarium

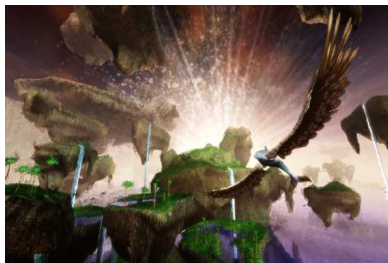
U2

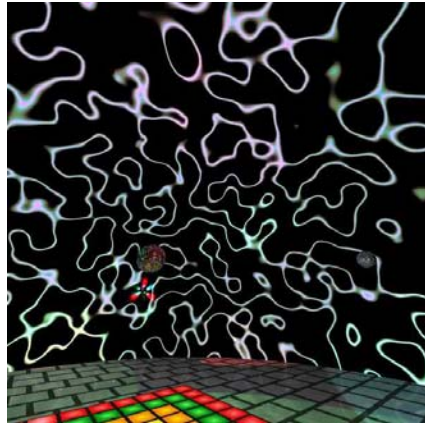
- You've heard the music, now see the music come alive on screen!

'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.

U2 images:





Upcoming IYA2009 Activities

The ECHO Performing Arts Festival



On Wednesday, February 3, at 7:00 pm, 'Imiloa will be hosting a special program from the Bishop Museum: the ECHO Performing Arts Festival 2009, entitled *"The Way to the Heart: Changing Food, Foodways, and Culture"*. This performance will be built around the topic of food as survival, a community builder, cultural marker, and a source of comfort. The script will consider the ways our cultures and foodways have changed over time, and the effects these changes have had on our lives. This one-hour program in Moanahoku Hall will also give guests the opportunity to meet with the cast afterwards.

Cost is \$5.00 per person. To purchase tickets, please call 969-9704 or 969-9703 or visit our front desk during our regular business hours.

Hawaiian Starlight Film and Exhibition

On Saturday, February 7, 'Imiloa Astronomy Center will be hosting the *Hawaiian Starlight Film and Exhibition* at 7:00 pm, with speaker Jean-Charles Cuillandre of the Canada-France-Hawaii Telescope (CFHT). This film highlights the beauty of Maunakea and is full of exquisite astronomical images taken from CFHT. The program was created to inspire audiences with a sense of awe and wonder about both the majestic mountain and the beauty of the cosmos.



Free to the public, this presentation will include questions and answers and take place in the Moanahoku Hall. Fifteen images from the CFHT will also be on display from February 2 to mid-April as a temporary exhibit.

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 teenages

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.

Mark your calendars and come check it out. This is such a special time for 'Imiloa - and a significant year in regards to the development of astronomy and science. You won't want to miss it!



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