MĀLAMA HONUA
WORLDWIDE VOYAGE
SPONSORED BY HAWAIIAN AIRLINES
AND EDUCATION SPONSOR KAMEHAMEHA SCHOOLS
Traditional Voyaging in Modern Times

Just as the Polynesian voyagers populated the Pacific Islands, most cultures around the earth expanded outward over the sea. We all share a voyage of discovery in our past, and now the Polynesian Voyaging Society is leading a voyage of hope to bring us all together.

Ancient Voyaging

The blue expanse of the Pacific Ocean is unbroken except for a few small dots of terra firma. Thousands of years ago, it became the stage for one of the greatest feats in human history. Early Polynesian seafarers journeyed beyond the shores of home to explore more than 10 million square miles. Carrying in open canoes all provisions needed for the voyage and a new life, Polynesian voyagers discovered and settled on thousands of distant islands, some less than a mile in diameter. There were no maps, compasses, or global positioning systems (GPS). Instead, these intrepid wayfinders used stars, winds, waves, birds, weather and other patterns of nature to chart their course.

A Tradition Revived

The last of the Polynesian voyaging canoes, or wa’a kaulua, disappeared in the 1400s. Then in 1973, artist and author Herb Kāne dreamed of building a double-hulled sailing canoe for the first time in centuries. The idea brought together people of diverse backgrounds and professions to form the Polynesian Voyaging Society (PVS).

On March 8, 1975, PVS launched its first vessel—Hōkūle‘a—from the sacred shores of Hōkūle‘a Kualoa in Kane‘ohe Bay on the island of O‘ahu. Its design was a replica based on sketches of ancient canoes of the Pacific Islands. The successful arrival of Hōkūle‘a to Tahiti in 1976 via non-instrument navigation marked a renewal of traditional voyaging and wayfinding.

Hōkūle‘a continues to bring people together through ‘a‘i lively. The winds of the Pacific Ocean have carried her over 140,000 miles and to several different countries during the past 40 years. Hōkūle‘a is more than a voyaging canoe—she represents a desire shared by the people of Hawai‘i, the Pacific, and the world to protect our most cherished values and places from disappearing.

Navigating the World

Today, navigators are using the same traditional knowledge and techniques that steered their ancestors before them. Hōkūle‘a is now joined by its sister canoe Hikianalia, launched by PVS in 2013. Together the two vessels will travel 47,000 nautical miles to 85 ports and 26 nations on their Mālama Honua* Worldwide Voyage sponsored by Hawaiian Airlines. The voyage, which started in 2013 and will continue through 2017, is a means to engage all of Island Earth — practicing how to live sustainably while sharing Polynesian culture, learning from the past and from each other, creating global relationships, and discovering the wonders of this precious place we call home.

* Mālama Honua is a Hawaiian phrase that means “to care for our Island Earth.”
Polynesian navigators, or wayfinders, were advanced in observing stars, clouds, seabird behavior, ocean swells, and other natural patterns to guide them across vast ocean expanses. Hōkūleʻa and Hikianalia will be navigated using these traditional techniques during the Mālama Honua Worldwide Voyage.

HŌKŪLEʻA
LAUNCHED: 1975  CREW CAPACITY: 12-14  LENGTH: 62’  WIDTH: 20’

The voyaging canoe Hōkūleʻa is named after the “star of gladness,” also known as Arcturus, that marks the latitude of Hawaiʻi when the star is at its highest point in the sky. Hōkūleʻa’s twin hulls allow it to handle large swells and recover easily in the troughs of waves, and its triangular canvas sails can harness winds of up to 20 knots. Today, Hōkūleʻa combines traditional elements with new materials, such as fiberglass hulls, canvas sails and synthetic lashings, for unparalleled strength and seaworthiness. Hōkūleʻa will travel over 47,000 nautical miles during the four years of the Worldwide Voyage.

HIKIANALIA
LAUNCHED: 2012  CREW CAPACITY: 12-16  LENGTH: 72’  WIDTH: 23’

Hikianalia is the Hawaiian name for the star, also known as Spica, that rises together with the star Hōkūleʻa in Hawaiʻi. The vessel combines the latest eco-friendly technology with the heritage of the voyaging tradition. Each of its hulls contains an electric motor powered by sunlight, resulting in a zero carbon footprint. During the Worldwide Voyage, Hikianalia’s crew will conduct six ongoing science research projects and promote sustainability and conservation through educational programs and outreach.

Stars

The “star compass” is a central part of navigation. Navigators memorize the positions of over 200 stars and watch the rising and setting of stars to help determine the location of the canoe in relation to the destination. Marked grooves in the vessel are lined up with stars near the horizon to provide a point of reference and help maintain orientation to the course.

Clouds

Navigators observe the shape, height, and color of clouds for directional and weather cues. Clouds also tend to accumulate over land in specific patterns, which navigators look for as they sail.

Seabird Behavior

The behavior of seabirds provides important clues on the direction of nearby islands and atolls. Experienced navigators can distinguish land-based seabirds that travel away from the coast at dawn to feed and return to their nests at night, indicating the direction of land.

Ocean Swells

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The mission of the Mālama Honua Worldwide Voyage is to navigate toward a healthy and sustainable future for ourselves, our home – the Hawaiian Islands – and our Island Earth through voyaging and new ways of learning. Our core message is to mālama (care for) Island Earth – our natural environment, children and all humankind. Below are some highlights of the many places that the vessels Hōkūleʻa and Hikianalia will visit during their global journey, including marine protected areas, sites of historical and cultural importance, and population centers. Track the voyage at www.hokulea.com/track-the-voyage.

**In Home Waters**

2013 LEG: HAWAIʻI

In the first year of the Mālama Honua Worldwide Voyage, Hōkūleʻa and Hikianalia visited ports throughout the Hawaiian Island chain, including its most remote areas. By the end of this leg, the PVS crew engaged over 22,000 students, educators, and community members in Hawaiʻi to foster care for their home ecosystems.

**Paying Homage**

2014 LEG: HAWAIʻI TO NEW ZEALAND

As the voyage continues, PVS pays homage to its historical roots and cultural ties in other Polynesian waters beyond Hawaiʻi. Though these areas of the Pacific have similar traditions, this leg promotes continued cultural exchange between new generations of Polynesians.

**Global Collaboration**

2015 LEG: NEW ZEALAND TO NAMIBIA

During this phase of the WWV, Hōkūleʻa and Hikianalia make stops to highlight the need for global collaboration in marine conservation efforts. The PVS crew seeks to form new friendships and partnerships between various non-Polynesian cultures around the world, while the two vessels sail to a wide range of habitats.

**Across the Atlantic**

2016 LEG: NAMIBIA TO CHESAPEAKE BAY

This leg connects three continents across the Atlantic Ocean, including within estuarine waters. The diversity of the people at these ports of call provides an ideal platform to enhance the impact of the Worldwide Voyage, especially as it relates to making meaningful human connections.

**Homeward Bound**

2017 LEG: MIAMI TO HAWAIʻI

On the final leg, Hōkūleʻa and Hikianalia head back through the Polynesian Triangle, reaching its third outer corner along the way. As the voyage comes to an end, PVS’s efforts towards realizing a hopeful and healthy future for the ocean and the earth will have already begun to manifest.

**The canoe is an island, the island is a canoe.**

**He Waʻa he moku, he moku he waʻa.**
PORT STOPS
Engaging Communities
Around the World

A fundamental objective of the Worldwide Voyage is to engage people in its conservation mission. Each stop will be vitally important in fostering a global society based on the values of mālama honua — caring for Island Earth. Since every country, every city, and every community is unique, the experiences at each port of call will be shaped by the cultures, values, and history of each place.

Example Activities in Port:
- Canoe tours of Hōkūle‘a and Hikianalia
- Dockside exhibits and virtual fieldtrips
- Service-learning experiences
- Scientific research projects
- Youth leadership summits and education workshops
- Community gatherings and discussions
- Dockside exhibits and virtual fieldtrips

Through such activities as these, dockside communities will learn that we are literally sustained by the ocean from the food we eat to the air we breathe, with even the smallest marine creatures supporting our survival. Community members will also engage with the crew in Learning Journeys, which are shared experiences with a person, group, project or place to learn through service. Along the way, crewmembers will exchange stories with each community they visit, in hopes that this collective wisdom will inspire new global lessons.

TAHITI & RA’IĀTEA

The Polynesian Voyaging Society and Hōkūle‘a have a long relationship with the people and places of Tahiti and Ra’iātea. These are the largest and second largest islands, respectively, in the French Polynesia island group called the Society Islands. Pape‘ete Harbor in Tahiti is the site that Hōkūle‘a sailed to in her first voyage in 1976. Ra‘iātea is a site where navigators historically met to exchange knowledge on wayfinding.

While visiting these islands in 2014, PVS paid tribute to the founding teachers that made the Worldwide Voyage possible: Mau Piailug, Eddie Aikau, Lacy Veach, Herb Kane, Finly Thompson, Will Kyselka and others.

Clockwise from top left: classmates in Pape‘ete begin their own voyage during education activities; onlookers at a launch ceremony; a classroom presentation; a student creating an Aloha 'Āina peace flag; a canoe tour; children examining plankton in a cell scope.

STOP HIGHLIGHT:

PVS sails to Japan and Satawal, Micronesia on Hōkūle‘a.

Five Hawaiian navigators are initiated into the ranks of master navigator in a Paua ceremony conducted by Mau Piailug.

A month-long sail to Palmyra Atoll is completed as a training sail for the next generation of young PVS navigators.

2007

2007

2009

2012

Hikianalia is launched for the first time from Auckland, New Zealand.

His Holiness the Dalai Lama conducts a blessing for the Mālama Honua Worldwide Voyage.

The Mālama Honua Worldwide Voyage receives its first major sponsorship from Hawaiian Airlines, which pledges to provide air transportation for the crew and sailing supplies.

2013

2007

2007

2007

2007

2007

2009

2012

2012

2012
Join our “virtual canoe” at www.hokulea.com and find out about the many ways you can be involved with the Mālama Honua Worldwide Voyage, sponsored by Hawaiian Airlines.

**Voyage Blogs**
Crewmembers will regularly write blog posts about voyaging, scientific research being conducted on Hikianalia, and how Polynesian Voyaging Society will promote sustainability and a healthy ocean at port cities.

**Voyage Videos**
Regular video updates will be available from the decks of Hōkūleʻa and Hikianalia, including crewmember profiles, navigation reports, and port activities around the world.

**Share Your Story**
How do you take care of our Island Earth? Submit your story online, see it on the map, and connect with others around the world building positive solutions by visiting http://learningcenter.hokulea.com.

**Ask the Crew**
Want to learn more about daily life at sea aboard Hōkūleʻa and Hikianalia? Visit “Ask the Crew a Question” at http://learningcenter.hokulea.com.

**Google Hangouts**
Join the crew of Hōkūleʻa and Hikianalia in real time as they voyage around the world. Upcoming dates and times for Google hangouts can be found on the “Learning Center” tab of www.hokulea.com.

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**Keep Us Sailing!**
Polynesian Voyaging Society deeply appreciates the individual grants, donations and partnerships that help us perpetuate voyaging and sail around the globe for the sake of our ocean and environment. To donate, go to www.hokulea.com, email donate@pvshawaii.org, or call (808) 842-1101.

**E-Newsletter**
Sign up online for the Polynesian Voyaging Society E-Newsletter to receive updates about the Worldwide Voyage.

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**2013**
The Mālama Honua Worldwide Voyage is launched from Hilo, Hawai‘i.

**2013**
PVS celebrates its 40th birthday.

**2014**
PVS launches the first international leg of the Mālama Honua Worldwide Voyage, sailing Hōkūleʻa and Hikianalia to Tahiti.

**2017**
The planned year of completion of the Mālama Honua Worldwide Voyage, by which time Hōkūleʻa and Hikianalia will have visited more than 85 ports and 26 nations.

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**Sending you strength in this journey! Safe travels! Huge mahalos for taking this adventure on! I’m so excited to share the trip with my students at Princess Nahienaena in Maui!**

- Jamie Green

**I can’t tell you enough how much all of you mean to my students and me. There is not a day that goes by that someone in my class does not mention the Hōkūleʻa.**

- Cheryl Ann

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**Wow. Simplicity, strength and sustainability in one sailing trip. Sounds like a fantastic adventure! I look forward to reading about their journeys.**

- Chris Sunflower

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“We are voyaging because what is happening to climate, ecology, and the chemistry of the earth is happening to all of us. There are stories out there of solutions, hope, and leadership. These stories can build a sustainable future, when we come together to protect what we love. That is what Hōkūleʻa has always done.”

- Nainoa Thompson
Polynesian Voyaging Society President & Master Navigator