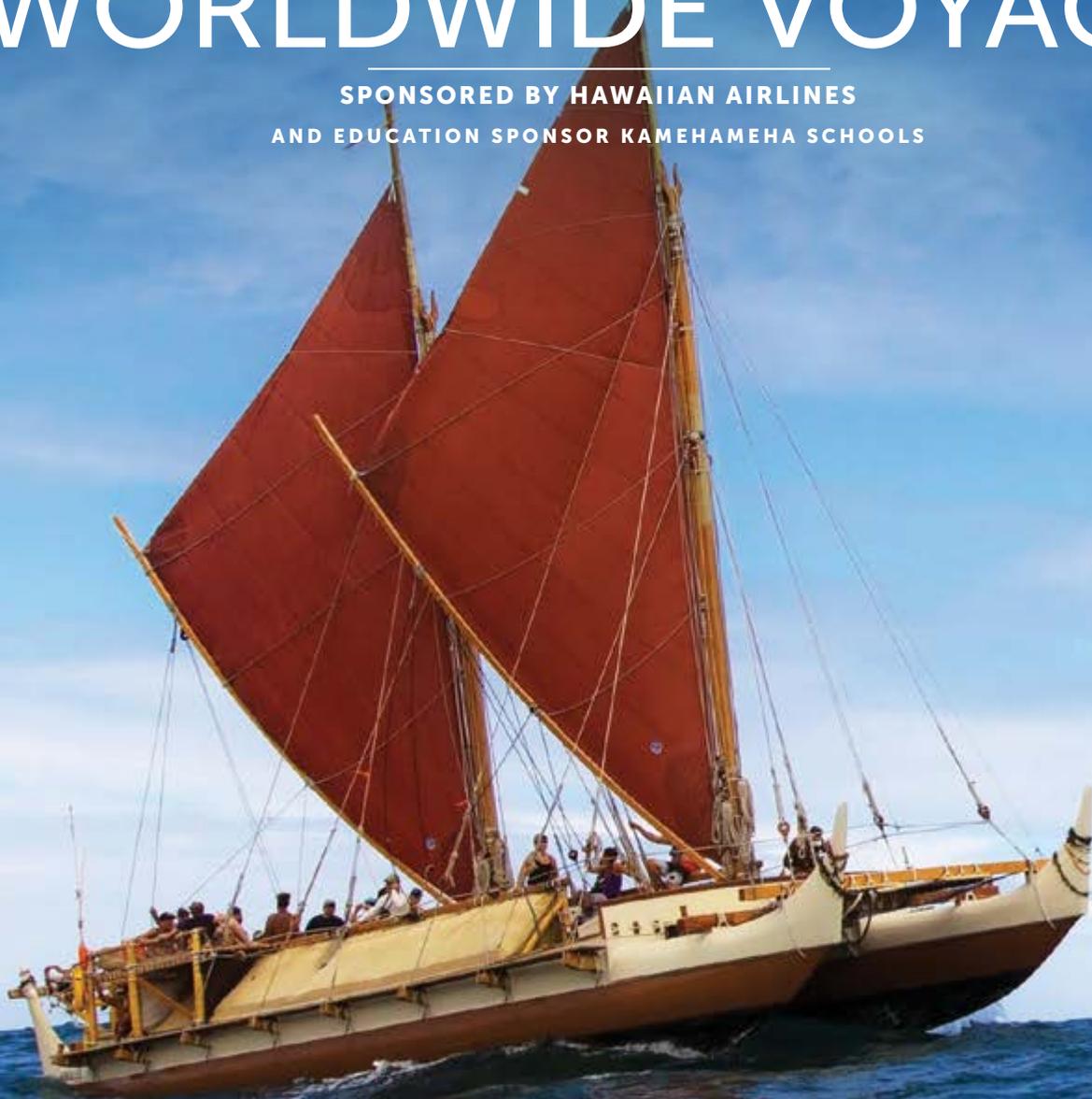




POLYNESIAN VOYAGING SOCIETY

MĀLAMA HONUA WORLDWIDE VOYAGE

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FROM THE PACIFIC TO THE WORLD

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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, Polynesians 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 Hakipu‘u/ Kualoa in Kāne‘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 from all walks of life. 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 2012. 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 VOYAGING SOCIETY

Founded: 1973

Mission: To perpetuate the art and science of traditional Polynesian voyaging and the spirit of exploration through experiential educational programs that inspire students and their communities to respect and care for themselves, each other, and their natural and cultural environments.

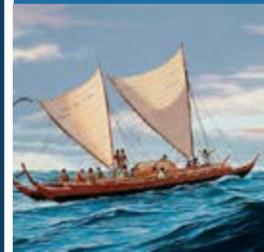
Vision: Hawai‘i, our special island home, is a place where the land and sea are cared for, and people and communities are healthy and safe.

Leaders: Information about PVS founders, teachers, master navigators, and board members can be found at: <http://www.hokulea.com/leadership/>

Vessels: Hōkūle‘a (1975) & Hikianalia (2012)

As the Polynesian Voyaging Society celebrates 40 years, it launches the Mālama Honua Worldwide Voyage, one of many seafaring expeditions in the long and storied maritime history of the Polynesian culture.

1200 B.C.-
1200 A.D.



Polynesians progressively settle islands throughout the Pacific Ocean from Sāmoa to Rapa Nui (Easter Island), the eastern-most island of the Polynesian Triangle.

1778



British explorer Captain James Cook arrives in Hawai‘i. Eighteen-year-old Mau Piailug is initiated as a master navigator in a Pwo ceremony on the island of Satawal.

1950



The Polynesian Voyaging Society is founded by artist Herb Kawainui Kāne, anthropologist Ben Finney, and sailor Charles Tommy Holmes.

1973



VOYAGING 101

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. Hōkūle‘a and Hikianalia will be navigated using these traditional techniques during the Mālama Honua Worldwide Voyage.

HŌKŪLE‘A

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

The voyaging canoe Hōkūle‘a is named after the “star of gladness,” also known as Arcturus, that marks the latitude of Hawai‘i when the star is at its highest point in the sky. Hōkūle‘a’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, Hōkūle‘a combines traditional elements with new materials, such as fiberglass hulls, canvas sails and synthetic lashings, for unparalleled strength and seaworthiness. Hōkūle‘a will travel over 47,000 nautical miles during the four years of the Worldwide Voyage.

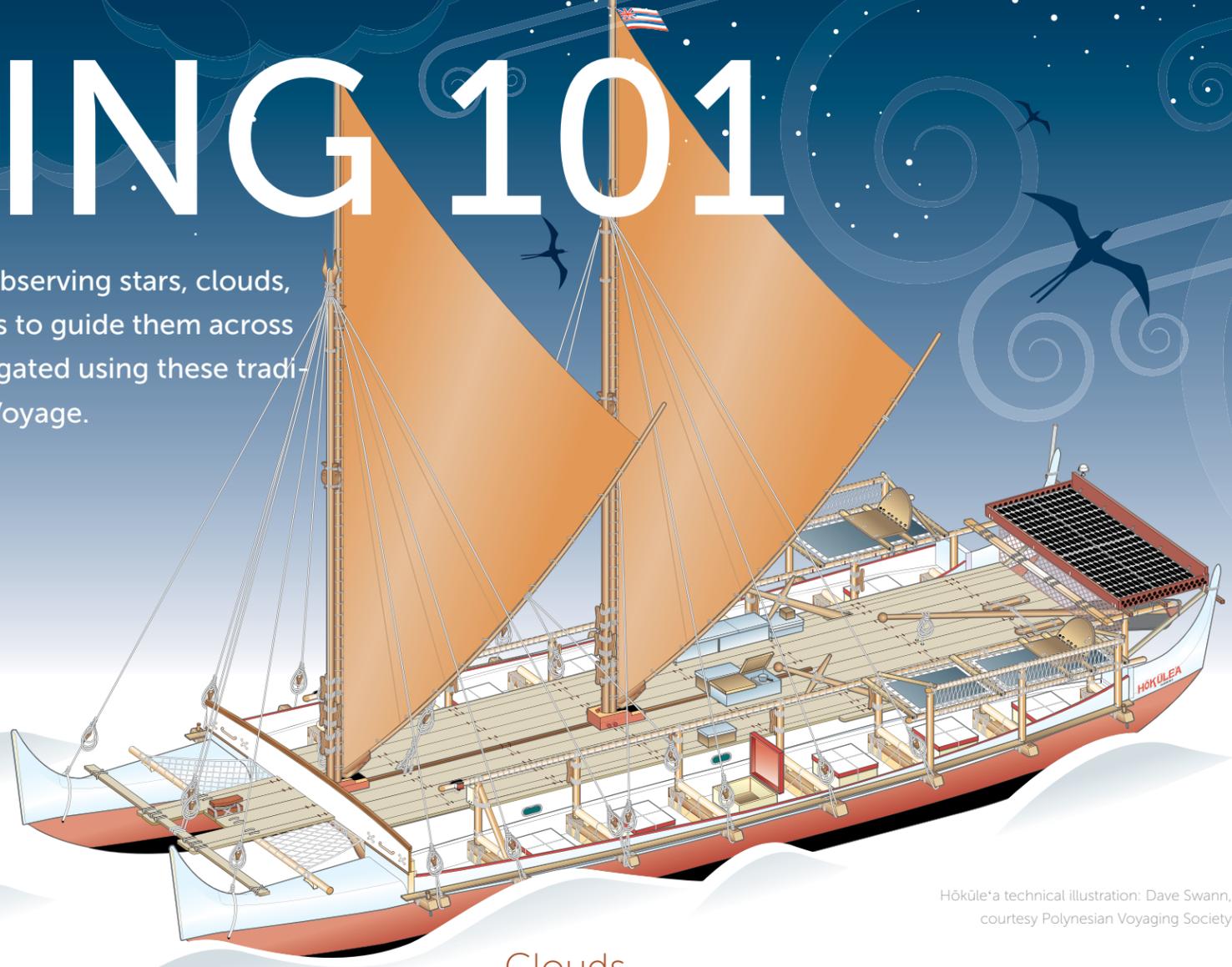
HIKIANALIA

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 Hōkūle‘a in Hawai‘i. 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.



Hōkūle‘a technical illustration: Dave Swann, courtesy Polynesian Voyaging Society

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

Ocean swells are generated from a great distance, and they help the navigator maintain orientation and determine direction when celestial bodies are not visible. In the Pacific, the northeast trade winds generate a northeast swell and the southeast trade winds create a southeast swell.



MEET THE CREW:

Nainoa THOMPSON

Nainoa Thompson is the President of the Polynesian Voyaging Society and a master in the traditional Polynesian art of non-instrument navigating. Inspired by his father and by numerous important kūpuna (elders), Nainoa has dedicated his life to exploring the universal values of voyaging – vision, self-discipline, preparation, courage, risk-taking and the spirit of aloha to bind a crew on arduous journeys.

Long voyages have taught Nainoa to appreciate the Hawaiian concept of “mālama” or care-taking. “Our ancestors learned that if they took care of their canoe and each other,” he has often told his crew, “they would arrive safely at their designation.” Astronaut Lacy Veach, who observed the Hawaiian Islands from space, helped Nainoa understand “mālama” from a planetary perspective. “The best place to think about the fate of our planet is right here in our islands,” Veach told Nainoa.

From all these teachings comes the next great voyage of exploration – the Mālama Honua Worldwide Voyage to care for Island Earth.

Learn more about Nainoa and other crewmembers at: <http://www.hokulea.com/category/crew/>.

– By Sam Low, author of *Hawaiki Rising: Hōkūle‘a, Nainoa Thompson, and the Hawaiian Renaissance*

1975



Hōkūle‘a is launched for the first time from Hakipu‘u/Kualoa, O‘ahu.

Hōkūle‘a voyages to Tahiti for the first traditional open-ocean voyage from Hawai‘i in 600 years.

1976



PVS and the world mourn the passing of crewmember and renowned big wave surfer Eddie Aikau when Hōkūle‘a capsizes off the coast of Lāna‘i.

1978



1980



Nainoa Thompson navigates Hōkūle‘a to Tahiti, making him the first Native Hawaiian since the 14th century to complete a voyage using only traditional wayfinding techniques.

1985



Hōkūle‘a voyages to New Zealand, venturing outside of tropical waters for the first time.

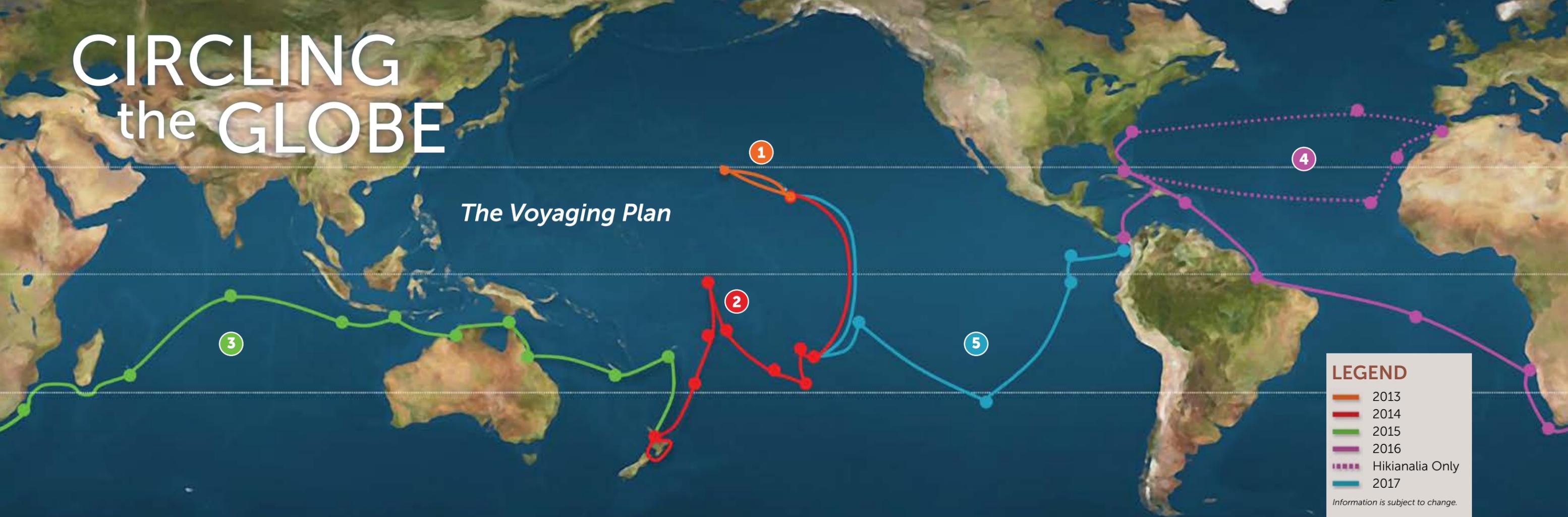
Hawai‘i astronaut Lacy Veach, who loved Hawaiian voyaging canoes, travels to space on Columbia.

1991



CIRCLING the GLOBE

The Voyaging Plan



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 Hōkūle‘a 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.

1 In Home Waters

2013 LEG:
HAWAI‘I

In the first year of the Mālama Honua Worldwide Voyage, Hōkūle‘a 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 Hawai‘i to foster care for their home ecosystems.

2 Paying Homage

2014 LEG:
HAWAI‘I TO NEW ZEALAND

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

3 Global Collaboration

2015 LEG:
NEW ZEALAND TO NAMIBIA

During this phase of the WWV, Hōkūle‘a 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.

4 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.

5 Homeward Bound

2017 LEG:
MIAMI TO HAWAI‘I

On the final leg, Hōkūle‘a 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.

He wa‘a he moku,
he moku he wa‘a.



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

1992



PVS sails to Rarotonga, while 30,000 students connect and talk with navigators aboard Hōkūle‘a and astronauts on the Columbia Space Shuttle.

1993



Hawai‘iloa, made of natural materials using traditional construction techniques, is launched.

Canoes from Hawai‘i, New Zealand and Cook Islands complete the Nā ‘Ohana Holo Moana Voyage.

1995



1995



Hōkūle‘a and Hawai‘iloa travel to Alaska to thank the Tlingit, Haida and Tshimshian tribes for donating two Sitka spruce logs for the Hawai‘iloa’s hulls.

1999



Hōkūle‘a sails to Easter Island, successfully visiting the three outer corners of the Polynesian Triangle.

Hōkūle‘a travels to the Papahānaumokuākea Marine National Monument.

2004



PORT STOPS

Engaging Communities Around the World



MEET THE CREW:

Haunani KANE

Crewmembers for the Mālama Honua Worldwide Voyage range in age, supporting the cultural perspective of collaboration across generations. Haunani Kane is one of the youngest on the crew. Her hometown is Kailua, O‘ahu, and she currently lives in a small town at the foot of the Olomana Mountain.

Early on, Haunani said that she just “really enjoyed being on the canoe [and] liked coming down to help and everything.” Once she realized the importance of the work, she decided to share the knowledge and expertise she was gaining with others, especially young people. For instance, in addition to her navigational training, Haunani is helping to lead science projects conducted during the voyage to benefit multiple communities.

When asked to describe her experience as a crewmember, she answers “[as] an indigenous person, your answers are usually attached to some sort of experience or doing something that will benefit their ‘ohana or their homes or their people. I think when you have a perspective that I’m doing this to understand my home, or I’m doing this to help my family, I think it’s just a little different.”

Learn more about Haunani and other crewmembers at: <http://www.hokulea.com/category/crew/>.

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.

Though the activities will vary from port to port, they will share common themes that encourage us to take better care of our Island Earth and remind us that we are all connected by the ocean. In addition, each community will have opportunities to see themselves through the eyes of the voyagers by going behind the scenes to learn about traditional methods of seafaring and to get a glimpse of daily life onboard the vessels.

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

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.



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:

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, Pinky Thompson, Will Kyselka and others.

2007

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

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



2007



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

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.



2012

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



follow us Support Us

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.



@HokuleaWWV



facebook.com/hokuleaWWV



Google Hangouts

Join the crew of Hōkūle'a 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.



@HokuleaWWV | #Hokulea, #Hikianalia, #WorldwideVoyage, #MalamaHonua



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 Hōkūle'a 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 Hōkūle'a and Hikianalia? Visit "Ask the Crew a Question" at <http://learningcenter.hokulea.com>.



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.

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

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

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 Hōkūle'a.
-Cheryl Ann



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



2013
PVS celebrates its 40th birthday.
PVS launches the first international leg of the Mālama Honua Worldwide Voyage, sailing Hōkūle'a and Hikianalia to Tahiti.



2014
The planned year of completion of the Mālama Honua Worldwide Voyage, by which time Hōkūle'a and Hikianalia will have visited more than 85 ports and 26 nations.



2017
By the time PVS's latest voyage is complete, it will have touched many people across the world, teaching some and reminding others that we are all connected via our one ocean and that we need to work together to care for it—and, by extension, each other.

"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 Hōkūle'a has always done."

- Nainoa Thompson

Polynesian Voyaging Society President
& Master Navigator



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