

The Polynesian Voyaging Society, a unique non-profit community organization, was founded to research and demonstrate the feasibility of the ancient Polynesian discovery and settlement of the Hawaiian Islands. To this end, a replica of an ancient voyaging craft was constructed to test and document theories and knowledge of the traditional skills related to Polynesian voyaging. This intellectual project became the warm and life-sized realization of the dream of a people.

A large double-hulled canoe, 60 feet long, weighing five and one-half tons, with crab claw sails, and double masts was envisioned and built based on ancient Polynesian canoe designs as to hulls, iako (yokes to join the hulls), lashings, sail shape, sweep, paddles and rigging. Once conceived, Hokule'a (the Star of Gladness) became a project of total community involvement beyond the founders' wildest dreams. She achieved for the people of Hawaii a cultural revitalization and inspirational impact far exceeding the original concept.

The building and launching of Hokule'a created a rare opportunity for research into ancient Polynesian ways and occasioned a true renaissance of Pacific culture. The various skills required to construct, prepare for and navigate such a craft created the rewarding experience of reaching into every corner of the islands to gather and use knowledge thought to be no longer needed, and therefore, nearly lost. Drawings and design

features of ancient canoes were thoroughly researched from artistic, scientific and maritime points of view and the knowledge gained used to draft final specifications for the Hokule'a. Ancient methods of sail weaving from lauhala (Pandanus tree leaves) was undertaken by a group from Kapingamirangi-Micronesia; while sennit making (ancient method of rope braiding from coconut fiber) was contributed by natives from Nanumea in the Ellis Islands. These almost forgotten arts as well as those of carving Kii (wooden symbols of Hawaiian gods) and the making of the lei-hulu (feathered weather vanes) to bless and guide the canoe were used and preserved through this project.

Traditional methods of food preparation--fruit, vegetable and fish drying--as well as the compounding and use of herbal medicines was researched and recreated for the voyage. Experiments in plant preservation for transporting and replanting on new landfalls and the transporting of three species of animals (a pig, 2 chickens and a Poi dog) were also successfully completed.

The Hokule'a also brought about a religious renaissance for the Hawaiian people. The canoe and crew participated in rites and chants relearned from ancient legends. The entire family of the canoe--including supporters and contributors from every walk of life--were made aware of and allowed to share in age-old Hawaiian religious and social practices surrounding blessing, launching, and sailing of sea-going vessels.

One of the most significant experiments of the entire voyage was the testing of ancient navigational skills. The voyage was guided entirely by knowledge of wind, current and stars. These skills have been tested, authenticated and documented for posterity and have occasioned a resurgent interest in and respect for the knowledge and skills of the ancient Polynesian mariners.

Hokule'a has become a legend in her own time. She sailed from Hawaii to Tahiti with a 17 member male crew between May 1 and June 4, 1976. The return voyage, with a 13 member crew of 11 men and 2 women, occurred between July 4 and July 26, 1976. The voyage Hawaii-Tahiti-Hawaii was a navigational feat of approximately 6000 miles. She successfully demonstrated theories regarding Polynesian voyaging and has helped to enlighten the general public about Polynesian migration and settlement. She has generated widespread interest and a variety of projects of unlimited actual and potential impact.

The National Geographic Society was so captivated by the project that they documented the voyage in three separate articles from December 1974 through November 1976, as well as producing a 90-minute documentary which will be aired January 18 on the mainland and January 25 in Hawaii. The film will also be shown without charge in theaters throughout Hawaii to be shared on the large screen with all interested. Multiple musical tributes have been written and recorded by various musicians in Hawaii and

Tahiti including songs by John Topolinski and Mary Pukui, Leon Siu and Malia Elliott, L. L. Kimura, L. Nicholas, H. Apoliona, L. Koyama, Ruth Finney, Teahu Philippe and Louis Coco. An album of songs composed by Kealii Tau'a, performed by Robert Cazimero and produced by noted musical entrepreneur Jack DeMello is soon to be released entitled "Saga of the Hokule'a."

The Polynesian Voyaging Society is presently engaged in a dynamic educational program to further promote the resurgence of interest in the Hawaiian language, arts, dance, music, skills, social and religious practices. The canoe herself is serving as a floating classroom to be visited and experienced by students of all ages. The Society has produced a series of four children's books and a teacher's guide to be used in schools, by parents or wherever they will be effective. Ongoing projects of film presentations, workshops, a children's workbook, slide-tape presentations, books about the voyage and a speakers bureau are available and in constant demand. Several crew and board members have presented these informational programs and packages in schools on Oahu, Maui and Hawaii and to local business and social groups. The children's books have enjoyed an excellent reception, are selling well and are being marketed to teachers and departments of education in the islands and on the mainland. The Department of Education in Hawaii has funded an Art Mobile project which will design, construct and make available to all the Hawaiian Islands a display telling the story of the canoe

through narrative, photographs and artifacts. The Art Mobile, designed by M. Ching, and under the direction of Rowena Keaha, will visit innumerable schools on a scheduled basis and will be a major contribution to the Society's year of education. The Society has also been contacted by an independent film producer for the United States Information Association, who will make a documentary film of the canoe for distribution by the United States Information Services in various countries.

The Hokule'a's influence is evident in a variety of ways. It is demonstrated by the communities who are attempting to build double-hulled canoes of their own. Tahiti, Fiji and Samoa are all reported to have canoes in various stages of progress. An even wider sphere of influence and captivation is noted in the variety and global character of the Society's membership. Members include representatives from every segment of the human community, 25% of which are from other states and countries. Present membership includes people from Poland, Finland, England, Ireland, France, Mexico, Australia, New Zealand, Japan, Singapore, Martinique, Turkey, the Pacific islands and the United States mainland. Further evidence of her impact manifests itself in a variety of creative projects directly related to Hokule'a. These include scale models, artistic renderings in various media, including fabric, various narrative and pictorial projects for non-profit organizations and commercial distribution. An interesting experiment is also being carried out by Jack Thorpe

of the Honolulu Zoo. Poi dogs, like the dog "Hoku," who made the voyage to Tahiti and back, are being raised for observation and study.

As a Bi-Centennial Project and a vehicle for experimentation and documentation the voyage was a complete success. But far more than that, Hokule'a has become the symbol of a people, the fulfillment of dreams and a joy to share. She has invited contributions and involvement from the scientific, artistic, academic, cultural, linguistic, musical and political segments of the community and has occasioned rare opportunities for unity among various islands, races and cultures.

Perhaps the greatest evidence of Hokule'a's popularity and impact is evidenced in the thousands upon thousands of residents and visitors who came out to welcome her to Tahiti--which declared a national holiday--and again the same numbers to welcome her home to Hawaii. New opportunities arise daily from various communities and countries to support her projects and share her achievements. She is well on her way to becoming the national symbol of the Hawaiian people.

Ko Hātu-mata,
Ko au ake na 'ae 'ae,
E ipō ki te tēpere,
Hātu-mata

Akano o ake i na ra
Kopekarua.

Una ra kopekarua me
tatako Heke-hua-tinaku.

Me taia Heke-hua-tinaku,
Aka eke i o ai mei o ko ruga."

The Hātu-mata, last point of departure
Shed from the pain within me
The loved one left behind,
On the point of farewell.

And with the sails with their two
crossed sprits.

The two-sprit sails to move
The canoe Heke-hua-tinaku.

Set the canoe Heke-hua-tinaku,
And down the tide with the wind astern.



POLYNESIAN VOYAGING SOCIETY

E KUU HOAHANAU HOOIKA MAU O HAWAII NEI

In order to validly chart the future course of these Hawaiian Islands we must look to the past for guidance, to our yesterdays as well as our tomorrows. Amid the growing clamor of population projections, mass transit studies, agricultural diversification commissions and a host of others, there is a need to turn, to celebrate what was; there is a need to honor the strength of an endangered polynesian heritage; a need to build a foundation of knowledge and of pride, for only from such a foundation can we plan the Hawaii of our children's children.

The non-profit Polynesian Voyaging Society has been formed to commemorate the discovery of Hawaii and to document the knowledge, the strength and the courage of those who first touched these shores. Without metals, charts or instruments, and before European ocean exploration began, they explored and settled every habitable island within 15,000,000 square miles of the Earth's largest ocean, a feat which must rank forever as one of man's greatest accomplishments.

Such a commemoration requires a detailed study of Polynesian non-instrument navigation and seamanship, the engineering of neolithic vessels and their sailing qualities, the physiological and psychological effects and implications of Polynesian voyaging, and the difficulties involved in transporting plants and animals within the limitations imposed by the meager material resources of their environment.

It demands the participation of scientists, historians, craftsmen, artists; it demands the interest and the support of the entire Hawaiian community.

"Ke a'u hou nei
Kakou e holo.
Mea'ole ka loa
o Kahiki-moe."

"We are challenged to sail once
again. No horizon is too distant."

OUR PLAN

1974
The
Year
Of
The
Canoe

Design and construction of an archaic type of Polynesian double-hulled voyaging vessel (*wa'a tauara*) measuring a full 60' in length and 15' in beam, built of wooden parts assembled with lashings and rigging made of 40,000 yards of hand-braided sennit (coconut husk fiber) and carrying sails of plaited *lauhala* (pandanus leaves). Needed are funds for construction materials, safety equipment, marine insurance, and professional assistance. A permanent mooring, a building site open to public inspection, and volunteer help in fund-raising and canoe-building are sought. For preliminary training an existing replica of an early 19th Century paddling-sailing double-hulled *wa'a kaulua* (Hawaiian adaptation from the earlier *wa'a tauara*) will be refurbished and put to use in Oahu waters.

1975
The
Year
Of
the
Men

The ancient sailing tradition of Hawaii which was lost with the passing of the sailing canoe will be revived with the selection and training of the ship's company—the majority to be composed of men and women who are veteran canoe paddlers in Hawaiian canoe racing clubs. Several scientists and deepwater sailors, both from Hawaii and Tahiti, and an experienced non-instrument navigator from Micronesia, will fill the list. Ground training for navigation will be held at the Bishop Museum Planetarium. Navigation training in Hawaiian waters will involve the use of ocean swells as well as stars, and acquaintance with the vessel's performance. The *wa'a tauara* will be "tuned", and several interisland sailing trips will be conducted.

1976
The
Year
Of
The
Voyage

Perhaps more than 500 years has passed since a voyage of this kind has been attempted between Hawaii and Tahiti—the longest voyaging distance within Polynesia. After a shakedown cruise from Oahu to Hawaii Island, the voyage will commence in April, 1976, co-incident with the U.S. Bicentennial Year. Only provisions available to the ancient Polynesians and prepared in like manner will be carried. Fishing for pelagic fish and rainwater catchment will be practiced. Navigation will be without

How
You
Can
Help

instruments, the position of the vessel being documented by off-ship observers. Hawaii and Tahiti lie 2,400 miles apart. The indirect routes demanded by non-instrument navigation may increase this distance to 3,000 miles, requiring perhaps 30 days at sea each way. The voyage will be conducted under sail, with paddling as auxiliary power in calms, near reefs, or in weather emergencies. The return voyage will commence in June, 1976, after calling at Tahiti and Raiatea with a Hawaiian-Tahitian crew.

The project budget is \$85,000, including canoe construction, supplies, provisioning, equipment, crew training, transportation, marine insurance and other campaign costs. Except for special contracts with boat-builders, etc., no participant will profit monetarily from this project.

At this moment contacts are being made at all levels of the Hawaiian business community asking for their financial support. Detailed plans of our project and requests for technical and financial aid have also been forwarded to private and public organizations and to governmental agencies with scientific, oceanic and anthropological interests, and from them we are hopeful of obtaining sizable grants. (The first of these, a \$2,000 pledge from the National Geographic Society has already been received). But we need more.

We need you, the people of Hawaii. Your pledge of *kokua* is needed now; your interest, your financial help, your contribution of service.

Pule, ho'ola'a wa'a (an excerpt)

E ola ka wa'a a kakou,
Ola ka kahiko, a 'apulu
A ulu 'ia e ka limu.
E pomaika'i ka wa'a a kakou,
A kahiko a 'apulu
O ke ola keia a 'oukou
Amama, ua nono.

Grant life to our canoe,
May it live till it is aged, worn out,
And the algae cling to its sides.
Grant prosperity to our canoe
Till it is aged and worn out.
May this be the life gift from you,
Amama, the prayer is freed to wing its way.

MEMBERSHIP

Membership in the Society persons interested in the P. Hawaii's oceanic legacy. You tax-free gift qualifies you membership category, each rights and privileges of the Voyaging Society, and each by an appropriate symbol of station.

Categories of membership:
\$2-\$5 Hoe wa'a (paddler)
\$15 Holokahiki (sailor)
\$25 Kalai wa'a (canoe mak
\$50 Uli (steersman)
\$100 Ho'okele wa'a (navigat
\$250 Kahuna Kalai wa'a (ca
\$500 A'o hoku (astronomer)
\$1000 Makua mea lokomaika

MEMBERSHIP APPLICATION

Name _____
Address _____
Community _____
State _____
Signature _____

I would like to join the Polynesian Society in the following membership category:

☐ Hoe Wa'a ☐ Ho'okele
☐ Holokahiki ☐ Kahuna
☐ Kalai wa'a ☐ A'o hoku
☐ Uli ☐ Makua mea
(All contributions tax deductible)
☐ Check or money order enclosed
☐ Please bill me
☐ I would also like to help gories (canoebuilding, fur grams, etc.)

Please Polynesian Voyaging Society
mail to: 2467 Aha-Aina Place
Honolulu, Hawaii 96821

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Grant life to our canoe,
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And the algae cling to its sides.
Grant prosperity to our canoe
Till it is aged and worn out.
May this be the life gift from you,
Amama, the prayer is freed to sing its way.

MEMBERSHIP

Membership in the Society is open to all persons interested in the Preservation of Hawaii's oceanic legacy. Your pledge of a tax-free gift qualifies you for a specific membership category, each entitled to full rights and privileges of the Polynesian Voyaging Society, and each accompanied by an appropriate symbol of membership station.

Categories of membership are as follows:

- \$2-\$5 Hoe wa'a (paddler)
- \$15 Holokahiki (sailor)
- \$25 Kalai wa'a (canoe maker)
- \$50 Uli (steersman)
- \$100 Ho'okele wa'a (navigator)
- \$250 Kahuna Kalai wa'a (canoe designer)
- \$500 A'o hoku (astronomer)
- \$1000 Makua mea lokomaikai (benefactor)

MEMBERSHIP APPLICATION

Name _____
Address _____
Community _____
State _____ Zip _____
Signature _____

I would like to join the Polynesian Voyaging Society in the following membership category:

- ☐ Hoe Wa'a ☐ Ho'okele wa'a
- ☐ Holokahiki ☐ Kahuna Kalai wa'a
- ☐ Kalai wa'a ☐ A'o hoku
- ☐ Uli ☐ Makua mea lokomaikai

(All contributions tax deductible)

- ☐ Check or money order enclosed
- ☐ Please bill me
- ☐ I would also like to help in other categories (canoebuilding, fundraising, programs, etc.)

Please
mail to: Polynesian Voyaging Society
2467 Aha Aina Place
Honolulu, Hawaii 96821

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President, AIKANE Corporation; Senior Partner, C/S/K Catamarans. He is donating his service as a naval architect and is considering the position of sailing master on our planned voyage.

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Dr. Emory has been a pioneer in the Archaeology of Polynesia since 1920.

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POLYNESIAN VOYAGING SOCIETY

A non-profit membership society
dedicated to
celebrating the discovery of Hawaii
through the authentic re-creation and
documentation of
a sailing canoe voyage from Hawaii
to French Polynesia and back.

Doreen

POLYNESIAN VOYAGING SOCIETY

P.O. Box 6037, BISHOP MUSEUM, Honolulu, Hawaii 96818 (808) 841-3966

December 9, 1975

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Dear Doreen:

Here is the corrected brochure I said I would send you last week. All of a sudden things got hectic around here and I was not able to get this out until today.

The corrections are as follows:

New categories of membership are as follows:
\$2.00 Hoe wa'a (paddler) Student
\$10.00 Hoe wa'a " Adult

Drop the \$2-5.00 listing and add the \$10.00 category.
The amounts for the other categories remain as listed.

Corrections on the Board of Directors listing:

Paige Kawelo Barber; Leave off the employment credits and list name only.

Please add in alphabetical order:
Captain David "Kawika" Kapahulehua
Cecilia Kapua Lindo
Captain David B.K. Lyman, III

Please delete Sharon Sarene

Please drop the Advisors to the Board listing.

Thank you very much.

Alona no,
Haha
Ha'aheo Mansfield
Secretary

*Joan. This goes
with the brochure
I gave you -
doreen*

HAWAII



TAHITI

BICENTENNIAL VOYAGE OF REDISCOVERY
HOE AKU I KA WA'A

POLYNESIAN VOYAGING SOCIETY

BOX 6037 / HONOLULU / HAWAII 96818

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FRANK WANDELL

R. LES WARREN, C.P.A.

AUGUST YEE

BENJAMIN B.C.
YOUNG, M.D.

Just two short years ago the Polynesian Voyaging Society was formed with an ambitious dream. That dream was.....

- A. To reconstruct a modern version of an ancient deep water voyaging canoe.
- B. To re-discover sailing techniques and train a crew to man the vessel.
- C. Sail the canoe from Hawaii to Tahiti and back as a base for educational research and multiple scientific experiments.
- D. Publish the experiences and findings for study by present and future generations.

Today, we're happy to report that the dream is nearing reality. With the help of many, the canoe, Hokule'a, has been funded, built, launched and sailed over 1,500 miles. Hokule'a has been the star of article after article in both the local and international news media. She is a shining example of what the spirit of Hawaii is all about. It has been a magnificent learning process. Hokule'a has met her trials, been rescued, refined, rededicated and now stands poised to begin one of the greatest scientific adventures of modern times.

The crew has been chosen and trained and soon they will set sail (without engine, charts or instruments) on a open ocean voyage of over 6,000 miles from Hawaii to Tahiti and back again.

Obviously this is the most important and crucial phase of the entire project. It is also the most costly in terms of personal dedication, ie: man hours, time away from work, provisions, transportation expenses, and many, many other things.

Thus, we ask you, as a leader in your field and community to join the many others who have so generously helped make this project a reality. Your monetary support is vitally needed to help complete this uniquely Hawaiian Bicentennial Project.

The attached fact sheet will give you the details you need to choose the crew sponsor category to match your corporate situation. Please mail your check or pledge in the enclosed postage free envelope.

Mahalo nui loa and we salute you for your kindness and good spirit in right action.

Sincerely

P.S. Polynesian Voyaging Society is a fully accredited non-profit community group. Your support is tax deductible.

HAWAII



TAHITI

BICENTENNIAL VOYAGE OF REDISCOVERY
HOE AKU I KA WA'A

POLYNESIAN VOYAGING SOCIETY

BOX 6037 / HONOLULU / HAWAII 96818 / (808) 841-3966

1979 CP

MEMORANDUM

TO: POLYNESIAN VOYAGING SOCIETY "OHANA"
FROM: BOARD OF DIRECTORS
SUBJECT: SUMMARY OF HOKULE'A'S VOYAGE - MAY 1-6

SATURDAY Hokule'a sailed from Honolua Bay, Maui at 2:27 pm on Saturday, May 1.

SUNDAY She was reported sailing at 5-6 knots during the first 24 hours of her voyage in good weather. She sailed almost due east.

MONDAY Making an easting is considered one of the most critical parts of the trip.

TUESDAY By Tuesday, the canoe had traveled 70 miles in 24 hours, sailing in 8-10 mph northeast winds. Seas were 3-4 ft with swells of 4-6 ft, 7-9 secs apart. She was reported at 20° 34 min N 154° 57 min W as marked by dot #1 on the enclosed map.

WEDNESDAY Since the report on Tuesday, Hokule'a traveled 100 nautical miles. Her position was 19° 0 min N and 154° 12 min W. Winds were 8-15 mph from the NE. Seas were 2-4 ft with swells 4-6 ft.

THURSDAY By Thursday, May 6, Hokule'a was at 17° 0 min N and 153° 20 min W. She had traveled 120 miles in 24 hours, and a total of 337 miles since leaving Honolua Bay on Saturday. Winds continued from the NE at 10-15 mph, seas were 3-4 ft with 10-15 ft swells at 7 sec intervals. She was riding large swells easily. A personal report of the crew, the animals, and conditions on the canoe was possible because the Coast Guard had been in contact with them due to concern for the crew's health. We are happy to be able to report the Sam Kaai, who had come down with hepatitis, is improving. We learned that the crew was wet and cold due to wind and water splash, but their spirits were high. They have caught 6 fish so far, ahi and mahimahi, for a total of 80-90 lbs. The animals were fine and ate everything. The pig was reported to be eating its cage. Hoku, the little dog, slept inside a sleeping bag each night, and ate fish and sweet potatoes.

The canoe lashings were "doing well," not chaffing the rigging or sails. The canoe's navigator, Mau, was keeping a true

course--and also acting as chief cook.

FRIDAY On Friday, Hokule'a was said to be at $15^{\circ} 36$ min N and $152^{\circ} 50$ min W on a good course, 166° true--that is, without magnetic variation. Progress was hampered by a broken steering sweep. Approximately 3 hours of sailing time was lost. She traveled 82 miles in the last 24 hours. Winds were 10-12 knots from the east. Seas were 2-3 ft with swells 6-8 ft, 7 sec apart. The radar equipment on the tracking vessel Meo Tai had broken, and is now being repaired. Meanwhile, Hokule'a must be visually tracked. During the day the two ships are 3-5 miles apart, and at night one-quarter to 1 mile apart.

SPECIAL INTERPRETATION OF NAVIGATIONAL INFORMATION BY RUDY CHOY

The prevailing winds in the northern hemisphere are on an average from 60° to 70° from the northeast. Hokule'a is sailing across and into these winds at about 80° true wind direction. Her ability to do this is significant for it shows a deliberate course can be set and maintained, thereby refuting theories of drift or accidental voyages by Polynesians to and from Hawaii.

Hokule'a is sailing deliberately close to the wind. By noon on May 10 she had sailed approximately 395 miles to the east from her point of departure--Honolua Bay, Maui. By the 11th, she had crossed the meridian of Papeete, Tahiti, $149^{\circ} 40$ min. If Hokule'a maintains her present course, she should cross the equator between 145° and 140° , enabling her to use the southeast southern hemisphere winds to reach Tahiti on target. If all conditions are maintained, Hokule'a will reach Tahiti in approximately 21 days from today, May 11.