

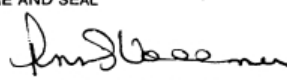


UNITED STATES OF AMERICA

DEPARTMENT OF TRANSPORTATION

UNITED STATES COAST GUARD

Certificate of Documentation

| | | | | | | |
|--|-----------|----------------|---|--|-------------------------|----------------------|
| VESSEL NAME HAWAI'I LOA | | | OFFICIAL NUMBER 995563 | | HOMEPORT SEATTLE, WA | |
| GROSS 13 | NET 13 | LENGTH 57.0 | BREADTH 16.0 | DEPTH 6.0 | HULL MATERIAL WOOD | SELF PROPELLED NO |
| PLACE BUILT HONOLULU HI | | | | | YEAR BUILT 1993 | |
| OWNER BISHOP MUSEUM | | | THIS VESSEL IS PRESENTLY DOCUMENTED FOR RECREATION | | | |
| COMPLETE RECORDS ON FILE AT HOMEPORT | | | | | | |
| MANAGING OWNER BISHOP MUSEUM C/O POLYNESIAN VOYAGING SOCIETY PIER 36 HONOLULU, HI 96817 | | | | | | |
| RESTRICTIONS NONE | | | | | | |
| ENTITLEMENTS NONE | | | | | | |
| REMARKS NONE | | | | | | |
| ISSUED AT SEATTLE, WA | | | | SIGNATURE AND SEAL  | | |
| EXPIRATION DATE OCTOBER 19, 1993 | | | | ANN E. VOLLMER DOCUMENTATION OFFICER | | |
| THIS CERTIFICATE EXPIRES ON THE LAST DAY OF OCT94 UNLESS RENEWED BY DECAL ON REVERSE. | | | | | | |

**CHANGES OF OWNER ADDRESS
ONLY TO BE ENDORSED BY A DOCUMENTATION OFFICER**

| | |
|--|--|
| <p>1. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> | <p>2. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> |
| <p>3. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> | <p>4. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> |

**CERTIFICATE OF DOCUMENTATION RENEWAL RECORD
AFFIX ANNUAL RENEWAL DECALS SEQUENTIALLY
IN THE SPACES PROVIDED BELOW**

| | |
|----|----|
| 1. | 2. |
| 3. | 4. |
| 5. | 6. |

**WHEN ALL RENEWAL SPACES ARE FILLED, GO BACK TO THE FIRST POSITION AND AFFIX
CURRENT DECALS OVER OLD DECALS.**

**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

POLYNESIAN VOYAGING SOCIETY
PIER 36
HONOLULU HI 96817

00872

DETACH ALONG THIS LINE ONLY

SHIP/AIRCRAFT RADIO STATION LICENSE

(MUST BE POSTED ABOARD AIRCRAFT OR SHIP)

| | | | | |
|---|--|---|--|---|
| Radio Service SHIP | FAA No./FCC Control No./Official Ship No. 995563 | | Ship Radio Call Sign WCB6806 | <div style="text-align: center;">FEDERAL COMMUNICATIONS COMMISSION</div>  <div style="text-align: center;">GETTYSBURG, PA 17325-7245</div> |
| Effective Date 93-11-01 | Expiration Date 98-11-01 | No. Ship/Aircraft in Fleet | Selective Calling Number | |
| Name of Ship HAWAII LOA | | Duplicate/Supersede | | |
| Ship Station Identity | INMARSAT Number | Radio Requirements/Category VOLUNTARY | Type of License REGULAR | |
| Frequencies and Special Conditions RADIOTELEPHONE 156-158 MHZ/EPIRB | | | | |

THIS LICENSE SUBJECT TO FURTHER GENERAL
CONDITIONS SET FORTH ON THE REVERSE SIDE

POLYNESIAN VOYAGING SOCIETY
PIER 36
HONOLULU HI 96817

FCC 559
JUNE 1991

NOT TRANSFERABLE



JOHN GROSSETO MARINE INSURANCE, LTD.

First Hawaiian Tower
1132 Bishop Street, Suite 1409 • Honolulu, Hawaii 96813
Phone: (808) 545-1066 FAX: (808) 545-1067

TO:

Polynesian Voyaging Society
6600 Kalanianaʻole Hwy., Suite 225
Honolulu, Hawaii 96825

Terms: Payment is due as of effective date of insurance coverage.

| | | | |
|--|--|---------------|-------|
| Insured: | | Invoice Date: | |
| Same as above | | 01 | 26 96 |
| Effective | | Expiration | |
| 01 | 26 96 | 10 | 13 96 |
| Invoice Number | | 003005 | |
| Insurance Description | | | |
| Marine Insurance: Vessel "Hawaii Loa" Excess Protection & Indemnity Add vessel to Policy effective 01/26/96. | | | |
| Policy # | Insuring Company | Premium | |
| 5964 XS | Lloyds and London Underwriters (Thru T.W. Rice & Company, Inc.) | \$ 2,400.00 | |
| TOTAL AMOUNT DUE | | \$ 2,400.00 | |

PLEASE RETURN COPY WITH REMITTANCE

CHARTER AGREEMENT

THIS CHARTER AGREEMENT dated January 19, 1995, by and between the POLYNESIAN VOYAGING SOCIETY, a Hawai'i non-profit corporation ("Society"), whose mailing and post office address is PIER 36, Honolulu, Hawai'i, 96817 and ALEX JAKUBENKO ("Jakubenko"), individually and as the owner and operator of the vessel KAMAHELE, whose address is 50-E Sand Island Access Road, Honolulu, Hawai'i, 96819.

RECITALS

A. Society will organize, manage and direct the vessel "Hawai'iloa" and the 1995 voyage entitled "*Na 'Ohana Holo Moana*" ("voyage")

B. The Society desires to enter into an agreement with Jakubenko for the purposes described herein.

C. Society desires to use Jakubenko's vessel in connection with the 1995 voyage.

D. Jakubenko desires to enter into a contract with Society for the use of his vessel Kamahele, Registration No. 484967, under terms, conditions, and agreements as herein below specified.

E. Jakubenko will be the captain and skipper of the vessel, Kamahele for the duration of this voyage.

F. Society desires that Jakubenko, as captain and skipper of Kamahele, and his vessel, Kamahele, escort the sailing vessel Hawai'iloa on its voyage from Hawai'i to Tahiti to Marquesas and back to Hawai'i.

NOW, THEREFORE, the Society and Jakubenko agree as follows:

1) VESSEL

The name of the vessel is the Kamahele, a steel sloop, valued at \$650,000, with an overall length of 45 feet, beam of 14 feet; said vessel is equipped with all safety equipment required by the United States Coast Guard for such a vessel; said vessel has been inspected and approved by the owner and all such other United States vessel licensing or approving agencies and/or individuals. Acceptance or use of this vessel by Society will be deemed to be an acknowledgment that the vessel is staunch and seaworthy and fit for Society's purposes.

Jakubenko acknowledges that the vessel is of a size, design and capacity suitable for his use.

Jakubenko will be the captain / skipper of this vessel for the duration of the voyage, unless otherwise agreed between the parties.

2) TERM AND RENT

The initial term of this charter is for the duration of the 1995 voyage at a rate of Two Hundred Seventy-Five Dollars (\$275.00) per day. For example, Jakubenko will be paid the amount of Two Hundred Seventy-Five Dollars (\$275.00) per day while escorting Hawai'iloa for the duration of this voyage. This charter agreement shall continue for the duration of the voyage.

3) SECURITY DEPOSIT

Jakubenko acknowledges that Society has deposited with owner as security the sum of Ten Thousand Dollars (\$10,000), and Jakubenko agrees that this deposit shall be security for performance of Jakubenko's obligations hereunder. At Society's option, this sum may be applied to satisfy any obligation that may be in default, but neither the making of this deposit nor any use thereof by Society shall excuse Jakubenko from performance of any such obligation. Any portion of this deposit that has not been so applied by Jakubenko shall be returned to Society at the termination of the charter. Jakubenko's

4) PAYMENT SCHEDULE

Jakubenko will be paid according to the following schedule:

- a. \$10,000 upon execution of this agreement.
- b. \$10,000 on February 1, 1995.
- c. \$5,000 on March 11, 1995.
- d. \$2,500 upon completion of the voyage.

5) LIMITATION ON USE

The vessel shall be used only for the purpose of escorting Hawai'iloa and providing support, documentation services and other services as specified by Society. Jakubenko covenants not to carry passengers or cargo for hire, unless with the approval of Society.

6) CREW

Jakubenko will be responsible for providing its own crew as well as the payment, if any, and provisions for all such individuals. It is understood that Society, in conjunction with this voyage, intends to provide personnel on board Kamahele. Society will be responsible for providing the necessary stores and other equipment necessary to these individuals for purposes of this voyage.

7) LIABILITY FOR LOSS, DAMAGE OR BODILY INJURY

Jakubenko assumes all risk of loss of and damage to the vessel from any cause. In the event of loss or damage to the vessel, Jakubenko agrees to be responsible for all claims for loss or damage of property and all claims for bodily / personal injury.

Obligations of Jakubenko established in this section shall be abated to the extent of insurance payments received by Society.

8) **INSURANCE**

Unless otherwise agreed, Jakubenko shall purchase from an insurance company favorable to Society and thereafter maintain, insurance policies made payable to Jakubenko in reasonable amounts to cover the replacement of the yacht as well as third party liability. In the event there is no such insurance, Jakubenko shall indemnify Society against all claims or loss which may arise out of this voyage.

9) **INVENTORIES OF FUEL AND STORES**

Jakubenko will be responsible to have the vessel fueled and provisioned with stores and portable water at the beginning of each voyage leg.

10) **JAKUBENKO'S OTHER RESPONSIBILITIES**

10.1) In the event the vessel requires additional repairs, dry-docking or modifications to the vessel, Jakubenko shall be solely responsible for the costs of repairs, dry-docking or other modifications to said vessel. All other charges, related to said expenses, like berthing, docking, storage, etc., shall be the sole responsibility of Jakubenko.

10.2) Jakubenko shall be solely responsible for any loss or damage incurred to the vessel as well as any third party liability suits arising out of the use of the vessel, claims by any seaman or third parties for damages incurred in connection with this vessel during the period of this voyage.

11) **INDEMNITY**

Under this Agreement Charter, the Society maintains no control over Jakubenko's use of the vessel except as set forth herein. Therefore, Jakubenko shall indemnify Society against all claims, actions, proceedings, damages, and liabilities, arising from or connected with the use, and possession of the vessel by Jakubenko.

12) **NOTICES AND PAYMENTS**

Unless otherwise directed by the Society, all notices and payments shall be sent to Polynesian Voyaging Society, PIER 36, Honolulu, Hawai'i 96817.

All notices to Jakubenko shall be sent to 50-E Sand Island Access Road, Honolulu, HI 96819.

13) **ASSIGNMENT**

This Agreement is not assignable, unless with the mutual consent in writing by both parties.

14) **MISCELLANEOUS**

A) This Agreement shall not be deemed to create a partnership or joint venture between the Society and Jakubenko.

B) The Society's failure or delay regarding the voyage shall not be a waiver of such rights or modification of this Agreement.

C) This Agreement shall be construed and enforced under the laws of the State of Hawai'i.

IN WITNESS WHEREOF, the parties hereto have executed these presents as of the day and year first above written.

POLYNESIAN VOYAGING SOCIETY

By Mervin B. Thompson
Its President

By Joseph Ali Mestrian
Its Administrator

Gregory Alex Jakubenko
GREGORY ALEX JAKUBENKO



JOHN GROSSETO MARINE INSURANCE

1132 BISHOP STREET, SUITE 1409
HONOLULU, HAWAII 96813
PHONE: 808 545 1066
FAX: 808 545 1067

FAX TRANSMITTAL

TO: Company: Polynesian Voyaging Society :

Attention: Jarnell

FROM: John Grosseto

Date: 7/28/94

Pages Including Cover: 2

If all pages are not received, please call 808 545-1066

Subject: Financing

Hopefully the attached sheet will provide the necessary detail to conclude the financing of this renewal.

I need not only the deposit but also the first installment as it is due on 7/30/94.

I will not be able to come by this afternoon. If you cannot get this to me by tomorrow, please hold it and I will definitely pick it up tomorrow.

Regards,

P.V.S. / Bishop Museum
Premium Breakdown

$$\text{E'ala} \quad \$13,062.50 \text{ p/o } \$63,312.50 \\ = .206$$

$$\text{Hawaii loa} \quad \$50,250. \text{ p/o } \$63,312.50 = \\ \text{Hokulea} \quad = .794$$

Imperial Down Paid $\$15,828$

$$\text{E'ala} \quad 15,828 \times .206 = \$3,260.57$$

$$\text{Hokulea} \quad 15,828 \times .794 = \$12,567.43$$

Hawaii loa

Imperial First Payment $\$5,426.23$

$$\text{E'ala} \quad 5,426.23 \times .206 = 1,117.80$$

$$\text{Hokulea} \quad 5,426.23 \times .794 = 4,308.43$$

Hawaii loa



JOHN GROSSETO MARINE INSURANCE

First Hawaiian Tower
1132 Bishop Street, Suite 1409 • Honolulu, Hawaii 96813
Phone: (808) 545-1066 FAX: (808) 545-1067

BINDER OF INSURANCE NO. 763

ASSURED: Polynesian Voyaging Society
Hawaii Maritime Center
c/o 1030 Aolooa Place, Apt. 102B
Kailua, Hawaii 96834

LOSS PAYEE: Assured or Order

VESSEL: Per Below

EFFECTIVE DATE: 06/30/94 - Noon, Hawaiian Standard Time
06/30/95 - Noon, Hawaiian Standard Time

TYPE OF COVERAGE: HAWAI'I LOA

| | |
|-------------------------|-----------------|
| Hull and Machinery: | \$300,000 Value |
| Hull Deductible: | \$ 25,000 |
| Protection & Indemnity: | \$250,000 Limit |
| P & I Deductible: | \$ 2,500 |

HOKULE'A

| | |
|-------------------------|-----------------|
| Hull and Machinery: | \$100,000 Value |
| Hull Deductible: | \$ 15,000 |
| Protection & Indemnity: | \$250,000 Limit |
| P & I Deductible: | \$ 2,500 |

E'ALA

| | |
|-------------------------|-----------------|
| Hull and Machinery: | \$ 75,000 Value |
| Hull Deductible: | \$ 15,000 |
| Protection & Indemnity: | \$250,000 Limit |
| P & I Deductible: | \$ 2,500 |

CONDITIONS: American Yacht Clauses 77P.
Deliberate Damage Clause (Pollution
Hazard) 1.8.73.
Including Protection and Indemnity as
Clause 77Q.
Including Federal Longshoremen's and
Harbour Worker's Compensation as Clause
77R.

Including Yacht Medical Payments as Clause 77S (not subject to policy deductible) for limits US\$1,000 any one person/US\$5,000 any one accident or occurrence.

Deductible: Hull Deductibles per above but \$2,500 in respect of Third Party Liabilities applicable each and every accident or occurrence or series of accidents or occurrences arising out of one event other than Actual or Constructive or Arranged or Compromised Total Loss which payable in full.

Including Co-Assureds and Waivers of Subrogation as required.

Also to cover loss and/or damaged caused by theft or any attempt thereat, pilferage or larceny, irrespective of percentage.

It is agreed that ship's boats shall be covered whilst used in conjunction with or independently of parent vessel, including whilst parent vessel laid up. Liberty to charter warranted owner and/or owner's captain and crew on board.

Collision and Protection and Indemnity Liabilities extended to US\$250,000 both sections separately.

Free of Capture and Seizure but including Strikes, Riots, Civil Commotions, Malicious Damage and Vandalism.

It is agreed that whilst vessel is not operating, coverage hereunder shall be no less wide than that provided under Institute Port Risk Clauses CL. 311 (20th July 1987).

It is understood and agreed that in event of cancellation of this policy due to non-payment of premium to Imperial Premium Finance Company, Underwriters agree to pro rata cancellation.

Warranted Escort Vessel in attendance at all times in respect of South Pacific cruises only.

Escort vessel to be advised.

Any amendments, additions, deletions, notices of assignment, ratings, alterations of any description, to be agreed by Leading Underwriter and be binding on all others hereon.

Service of Suit Clause.

Lien Clause 548008.

Institute Radioactive Contamination

Exclusion Clause CL. 356.

Brokers and/or Agents Cancellation Clause
548005.

TYPE OF COVERAGE: Excess Protection & Indemnity: \$750,000
XS \$250,000

CONDITIONS: All terms, clauses and conditions as per
underlying policy and to follow
settlements thereon insofar as
applicable.
Excluding Workers Compensation.
It is understood and agreed that in
respect of cancellation of this policy
due to non-payment of premium to Imperial
Premium Finance Company, Underwriters
agree to pro rata cancellation
Service of Suit Clause.
Lien Clause 548008.
Brokers and/or Agents Cancellation Clause
Institute Radioactive Contamination
Exclusion Clause 1.10.90

NAVIGATION: As per schedule attached.

UNDERWRITERS: Lloyds and London Underwriters

POLICY NUMBER: To be Advised - Hull and Primary P & I
5774 xs - Excess Protection & Indemnity

PREMIUM: Hull and Primary P & I.....\$46,312.50
Excess P & I.....\$17,000.00

This is to certify that Policies of Insurance listed above
have been issued to the insured named above and are in force at
this time, notwithstanding any requirement, term or condition of
any contract or other document with respect to which this
Certificate may be issued or may pertain, the Insurance afforded
by the Policies described herein is subject to all the terms,
exclusions and conditions of such Policies.

Dated: June 29, 1994

Signed _____

John Grosseto



POLYNESIAN VOYAGING SOCIETY

OPERATING ITINERARY

"HOKULEA"

1994 July Vessel will be returning from Kauai and back in Oahu on 3rd July, 1994 and later in the month sailing to Maui - 7 days use inter - Hawaiian Island sailing.

August Vessel will be sailing between Maui, Molokai and Lanai and then onto Kauai and returning to Oahu (with "HAWAII LOA" per below) - 8 days inter - Hawaiian Island sailing also 2 days of Oahu coastal sailing in late August.

September Vessel will do Oahu to Lanai roundtrip - 4 days inter - Hawaiian Island sailing.

1995 February -
May Vessel will do round trip sail from Oahu to the Marquesas and return with various stops in Raiatea and Tautira - 77 days use.

"HAWAII LOA"

1994 July Vessel will do sea trials off the Oahu coast and later in the month sail from Oahu to Maui - 3 days inter - Hawaiian Island sailing and 8 days Oahu Coastal sailing.

August Vessel will be sailing between Maui, Molokai and then onto Kauai and returning to Oahu (with "HOKULEA" per above) - 8 days inter - Hawaiian Island sailing.

1995 February -
May Vessel will do round trip sail from Oahu to the Marquesas and return with various stops in Raiatea and Tautira - 77 days use.

"EAL'A"

1994 July Vessel will return from the Island of Hawaii to Oahu likely under tow as that is the way it got to Hawaii - 2 day trip with stops. June 30th is the last official day of the student program that began several months ago. There is no other similar program scheduled for the next 12 months although it is likely that it will be refunded and start up next April. After "EAL'A"'s return to Oahu in Mid July there is no other planned activities.

POLYNESIAN VOYAGING SOCIETY
Pier 36, Honolulu, HI 96817

FAX Transmittal

To: John Grosseto
Fax#: 545-1067

From: Jarnell Martinson
Fax#: 531-7135

of Pages: 2
including this page

Date: July 1, 1994

Subject: Operating Itinerary

The following are changes made to the "Operating Itinerary" for *Hökūle'a*, *Hawai'iloa* and *E'ala*.

Hökūle'a

- | | | |
|------|-----------|---|
| 1994 | July | Vessel will be sailing later in the month to Lāna'i on a 3-day trip for the Mike Sakamoto Fishing Program |
| | Aug | Vessel will be used in a day sail towards the end of the month |
| | Sept | Vessel will be used in a day sail towards the middle of the month and sailing from Honolulu to Lāna'i down South and then return to Honolulu on a 4-day trip in conjunction with a University of Hawai'i Hawaiian Studies class |
| | Oct | Vessel will be hauled-out of the water in preparation for the 1995 South Pacific Voyage |
| 1995 | Feb - May | Vessel will do a round trip sail from O'ahu to the Marquesas and return. Various stops will be made in Raiatea and Tautira enroute to the Marquesas - 77 days use |

Hawai'i Iloa

- 1994 July Vessel will be re-launched and sea trials conducted off the coast of O'ahu.
- Aug Vessel will be sailing inter-island throughout the month. Honolulu to Maui - 3 days use. Maui to Lāna'i to Moloka'i to Kaua'i - 4 days use. Kaua'i to Honolulu - 3 day use. Vessel will be hauled out towards the end of the month.
- 1995 Feb-May Vessel will do a round trip sail from O'ahu to the Marquesas and return. Various stops will be made in Raiatea and Tautira enroute to the Marquesas - 77 days use

E'ala

- 1994 July Vessel will return from the island of Hawai'i to O'ahu likely under tow as that is the way it got to Hawai'i - 3 day trip
- Oct-Dec Vessel will be used in conjunction with a University of Hawai'i Hawaiian Studies class. Vessel will be used to sail offshore of O'ahu, no more than 5 nautical miles, throughout these months - 8 days use.



JOHN GROSSETO MARINE INSURANCE

1132 BISHOP STREET, SUITE 1409
HONOLULU, HAWAII 96813
PHONE: 808 545 1066
FAX: 808 545 1067

FAX TRANSMITTAL

TO: Company: Polynesian Voyaging Society
Attention: Nainoa and Jarnell

FROM: John Grosseto

Date: 6/29/94

Pages Including Cover: 5

If all pages are not received, please call 808 545-1066

Subject: Renewal of Hull and P & I Insurance

Faxing our binder outlining renewal terms which quite frankly turned out much better than expected.

Please review and advise particularly with emphasis on the "Operating Itinerary"

I trust that we should finance the premiums as before but please confirm.

Regards,

**COMMERCIAL PREMIUM FINANCE AGREEMENT**455 Market Street, Suite 1670
San Francisco, CA 94105
(800) 388-7088☐ Coupon☐ Invoice

Note: Add to Existing loan #120264-2

South Carolina Lic. No. 91680045
North Carolina Lic. No. B 22

| | | | | | | |
|---|---|---|---|---|---|--|
| AGENT (Name & place of business) John Grosseto Marine Insurance 1132 Bishop Street, Suite 1409 Honolulu, Hawaii 96813 Agent No. 1960 | | BORROWER (Name & address) Polynesian Voyaging Society 1030 Aolua Place #102B Kailua, Hawaii 96734 Telephone No. Ref. No. 768-512 | | | | |
| A. TOTAL PREMIUMS 34,095.75 | B. INITIAL PAYMENT 8,773.75 | C. AMOUNT FINANCED (A - B) 25,322.00 | | D. FINANCE CHARGE 718.56 | E. TOTAL OF PAYMENTS (C + D) 26,040.56 | |
| ANNUAL PERCENTAGE RATE 8.0 % | Payment Schedule | First Installment Due 8-30-93 | Installment Due Date 30th | Amount of Each Installment 3,720.08 | Number Of Installments 7 | Installments Payable <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Quarterly |

SCHEDULE OF POLICIES

| Policy Prefix and Number | Name of Insurance Company and Address of Office or Name and Address of General Agent | NC | Company Code | Effective Date of Policy or Annual Installment | Policy Term in Months Cov. By Premium | Coverage Fire, Auto Mar., L.M. Cas. | Premium |
|--------------------------|--|----|--------------|--|---------------------------------------|-------------------------------------|-------------|
| MM4063DBE | Lloyds and London Underwriter's (Thru Lowndes Lambert Marine Ltd). | | | 7-23-93 | 12 | Mar. | \$18,766.98 |
| MMH021DEA | Lloyds and London Underwriter's (Thru Lowndes Lambert Marine Ltd). | | | 7-23-93 | 12 | Mar. | \$15,328.77 |

Total Premiums Must Agree With Block "A"

Total \$ 34,095.75

AGENT/BROKER WARRANTIES

By submitting this Agreement to Imperial, the undersigned warrants and agrees: 1) That Borrower's signature is genuine, or if signed by an agent on behalf of Borrower, Borrower has authorized this transaction in the manner required by applicable state law and granted the agent authority to sign this Agreement on the Borrower's behalf and agrees to the assignment of the security interest as set forth herein; 2) that Borrower has received a copy of this Agreement; 3) that the policies are in full force and effect and the information in the Schedule of Policies and the premium is correct, that none of the policies listed is non-cancellable or written for a term of less than one year; 4) that a proceeding in bankruptcy, receivership or insolvency has neither been instituted by or against Borrower, nor is contemplated at present; 5) that all unearned premiums, dividends and unearned commissions will be paid to Imperial, and that any lien on any unearned premium is subordinated to Imperial's lien or security interest therein; 6) that the policy(ies) can be cancelled on 10 days' notice.

Date

7/30/93

Signature of Agent/Broker

John Grosseto

NOTICE:

1. Do not sign this Agreement before you read it, or if it contains any blank space.
2. You are entitled to a completely filled-in copy of this Agreement.
3. Under the law, you have the right to pay off, in advance, the full amount due and, under certain conditions, to obtain partial refund of the service charge.

CONTRACT TERMS

In consideration of the premium payments to be made on its behalf by IMPERIAL PREMIUM FINANCE, INC. known as IMPERIAL PREMIUM, INC. in the state of New Jersey, ("Imperial"), the named insured listed above ("Borrower") promises to pay to Imperial the total of payments as specified herein and Borrower agrees that the provisions on both the front and back sides hereof constitute a part of this Agreement.

Date

July 29, 1993

Signature of Borrower(s)
or duly authorized agent

James H. Harkness

Title

PROVISIONS OF YOUR PREMIUM FINANCE AGREEMENT

1. **PROMISE OF REPAYMENT:** Borrower requests Imperial to pay the premiums on any insurance policy shown above. Borrower promises to pay to Imperial at the above address the amount stated in Block E above, according to the payment schedule shown above and the provisions on both sides of this Agreement.
2. **SECURITY INTEREST:** Borrower grants Imperial a security interest in and assigns to Imperial as security for any amounts due under this Agreement any and all unearned premiums and dividends which may become payable under any policy listed above and loss payments which reduce the unearned premiums, subject to any mortgage or loss payee interests, and interests arising under a state guarantee.
3. **PREPAYMENT:** Borrower is entitled to prepay the obligation in full at any time. Borrower may receive a refund of part of the finance charge if Borrower voluntarily prepays the outstanding debt in full before the last installment due date according to the provisions contained in this Agreement.
4. **LIMITED POWER OF ATTORNEY LIMIT OF LIABILITY:** Borrower hereby irrevocably appoints Imperial as Borrower's attorney-in-fact with full authority to cancel any insurance policy listed above for non-payment for the duration of this Agreement. Borrower agrees that Imperial may, under the terms and conditions set forth herein, demand, collect, sue for and receive all sums assigned to Imperial or in which Imperial holds a security interest and to execute and to deliver on behalf of Borrower all documents, forms and notices relating to any above listed insurance policy in furtherance of this Agreement. **WHEN CANCELLATION BY IMPERIAL IS IN ACCORDANCE WITH STATE LAW, IMPERIAL IS NOT RESPONSIBLE FOR CONSEQUENTIAL DAMAGES, AND THE BORROWER SHALL BE RESPONSIBLE FOR ATTORNEY'S FEES AND COSTS IN ANY UNSUCCESSFUL ACTION FILED AS A RESULT THEREOF TO THE FULLEST EXTENT PERMITTED BY APPLICABLE STATE LAW.**
5. **NOT A CONDITION OF OBTAINING INSURANCE:** This Premium Finance Agreement is not required as a condition of the Borrower's obtaining insurance coverage.
6. **FINANCE CHARGE:** The finance charge shown in Box D begins to accrue as of the earliest date permitted by applicable state law or the effective date of the policy, whichever occurs first, unless a later date is used by Imperial.
7. **THIS AGREEMENT BECOMES A CONTRACT:** This agreement becomes a binding contract at the earliest policy effective date unless rejected by Imperial. Imperial will mail written acceptance to borrower.
8. **POLICY WARRANTY:** Borrower warrants to Imperial that each insurance policy or binder listed above has been issued to Borrower and is in full force and effect and that Borrower has not assigned any interest in any such policy except for the interest of mortgages and loss payees.
9. **REPRESENTATION OF SOLVENCY:** Borrower represents that it is not insolvent or presently the subject of any insolvency proceedings; nor are any such proceedings presently contemplated.
10. **LATE CHARGES AND CANCELLATION CHARGES:** Borrower agrees that if any installment is more than 10 days late it will pay to Imperial a delinquency charge up to the maximum charge permitted by state law.
11. **DEFAULT AND CANCELLATION:** Borrower agrees that Imperial may cancel any policy for non-payment and the unpaid balance owed will be immediately due and payable to Imperial when the Borrower defaults in the payment of any installment payment due; or when the Borrower defaults on this Agreement in any other manner, as the term "DEFAULT" is defined by applicable state law. Imperial at its option may enforce payment of this debt without recourse to the security given to Imperial.
If cancellation occurs, Borrower agrees to pay a finance charge on the balance due at the contract rate of interest until it is paid in full or until such other date as is required by applicable state law. Borrower agrees to pay Imperial reasonable attorney's fees and collection costs under the terms and conditions hereof and to the extent and amount permitted by applicable state law.
12. **MONEY RECEIVED AFTER NOTICE OF CANCELLATION:** Any payment made to Imperial after Imperial's Notice of Cancellation of any above-listed insurance policy has been mailed will be applied to Borrower's outstanding indebtedness without affecting acceleration of this Agreement and without any liability or obligation on Imperial's part to request the reinstatement of the cancelled policy. **Borrower agrees that Imperial is under no obligation to request reinstatement of said policy and that any such request by Imperial does not guarantee that coverage under the policy will continue past the effective date of cancellation.** Borrower understands that if the Insurer does not reinstate the policy, coverage may not exist past the effective date of cancellation. Borrower understands that Imperial is a lender and NOT an insurer and that IMPERIAL ASSUMES NO LIABILITY AS AN INSURER. Any unearned premium returned by Insurer will be credited first to the amount due Imperial, with the surplus, if any, in excess of \$1.00 being refunded to Borrower.
13. **PREPAYMENT/CANCELLATION:** Borrower has the right to prepay the entire outstanding balance in full at any time before the due date of the final installment. Upon prepayment in full, or upon cancellation and full payment to Imperial, Borrower will be entitled to receive a refund of the finance charge to be computed by the Rule of 78s method, or the actuarial method, as required or permitted by applicable state law.
14. **AUDIT OR REPORTING FORM POLICY:** If a policy is a reporting form policy or subject to audit and/or retrospective rating, Borrower agrees to pay Insurer the earned premium, computed as specified in the policy, which exceeds the premium already advanced by Imperial to Insurer.
15. **ACCURACY:** Borrower authorizes Imperial, or the agent or broker, to insert or correct on this Agreement at any time, if omitted or incorrect, Insurer's name, the policy numbers and the due dates of the first installment. Imperial will give Borrower written notice of additions or corrections made by it on Borrower's behalf.
16. **NO AGENCY RELATIONSHIP:** Borrower agrees that the above-named agent or broker is Borrower's agent, not Imperial's, and Imperial is not legally bound by anything the agent or broker represents to Borrower either orally or in writing. Imperial is not an agent of any insurer, and will not be responsible for any act, error or omission of an insurer.
17. **ASSIGNMENT:** All of Imperial's rights under this Agreement shall inure to its successors and assigns. This Agreement may not be assigned by Borrower, except as provided in Paragraph 8.
18. **WAIVER:** Imperial's failure to require strict performance of any provision or to exercise any of its rights under this Agreement, shall not be construed a waiver, or relinquishment of any future right under such provision, but the provision shall continue and remain in full force and effect.
19. **ENTIRE DOCUMENT AND GOVERNING LAW:** This document is the entire agreement between Imperial and Borrower and can be changed by a writing signed by both parties. The laws of the state of Borrower's residence as set forth above will govern this Agreement. If any provision of this Agreement is held to be invalid or unenforceable, the validity and enforceability of the remaining provisions shall not be impaired.
20. **ADDITIONAL PREMIUMS:** Money paid by Imperial is only for the premium as determined at the time the insurance policy is issued. Imperial's payment shall not be applied by Insurer to pay any additional premiums owed by Borrower as a result of any type of misclassification or audit of this risk. Borrower agrees to pay Insurer any additional premiums which become due for any reason.



JOHN GROSSETO MARINE INSURANCE

First Hawaiian Tower
1132 Bishop Street, Suite 1409 • Honolulu, Hawaii 96813
Phone: (808) 545-1066 FAX: (808) 545-1067

July 20, 1993

Polynesian Voyaging Society
c/o 1030 Aolua Place #102 B
Kailua, Hawaii 96734

RE: "Hawaii Loa"
**MARINE INSURANCE COVERAGE &
IMPERIAL PREMIUM FINANCING**
EFFECTIVE: July 23, 1993

Dear Virginia,

Enclosed you will find paperwork regarding the issuance of Marine Insurance for the vessel "Hawaii Loa".

Please sign the enclosed Finance Agreement and keep the middle copy for your records.

Return the signed Agreement to our office with the down-payment amount of \$8,773.75 made payable to JOHN GROSSETO MARINE INSURANCE. There will be seven monthly installments of \$3,720.08 payable to Imperial Premium Finance Company. Imperial will send you coupons for each payment.

Included with this mailing is a Invoice and Binder showing your Marine Insurance coverage. Your policy is in the process of being prepared by the Underwriters and will be forwarded to you upon receipt in our office.

Thank you for your insurance order. As always, John and I look forward to working with you in the forthcoming policy period. If you find you have questions or concerns, please do not hesitate to call.

Sincerely,

Judith A. Gray
Assistant to John Grosseto

Enclosures



JOHN GROSSETO MARINE INSURANCE

First Hawaiian Tower
1132 Bishop Street, Suite 1409 • Honolulu, Hawaii 96813
Phone: (808) 545-1066 FAX: (808) 545-1067

BINDER OF INSURANCE NO. 651

ASSURED: Native Hawaiian Culture & Arts
Program and Bishop Museum
c/o 1030 Aolua Place, Apt. 102B
Kailua, Hawaii 96834

CHARTERER: Polynesian Voyaging Society

LOSS PAYEE: Assured or Order

VESSEL: "Hawaii Loa"

EFFECTIVE DATE: 07/23/93 - Noon, Hawaiian Standard Time
06/30/94 - Noon, Hawaiian Standard Time

TYPE OF COVERAGE:

| | |
|-------------------------|-------------------|
| Hull and Machinery: | \$300,000 Value |
| Hull Deductible: | \$ 25,000 |
| Protection & Indemnity: | \$1,000,000 Limit |
| P & I Deductible: | \$ 2,500 |

CONDITIONS:

American Yacht Clauses 77P.
Deliberate Damage Clause (Pollution Hazard) 1.8.73.
Including Protection and Indemnity as Clause 77Q.
Including Federal Longshoremen's and Harbour
Worker's Compensation as Clause 77R.
Including Yacht Medical Payments as Clause 77S (not
subject to policy deductible) for limits US\$1,000 any one
person/US\$5,000 any one accident or occurrence.
Deductible: US \$25,000 but \$2,500 in respect of Third
Party Liabilities applicable each and every accident or
occurrence or series of accidents or occurrences arising
out of one event other than Actual or Constructive or
Arranged or Compromised Total Loss which payable in
full.
Including Co-Assureds and Waivers of Subrogation as
required.
Also to cover loss and/or damaged caused by theft or

any attempt thereat, pilferage or larceny, irrespective of percentage.

It is agreed that ship's boats shall be covered whilst used in conjunction with or independently of parent vessel, including whilst parent vessel laid up.

Liberty to charter warranted owner and/or owner's captain and crew on board.

Collision and Protection and Indemnity Liabilities extended to US\$250,000 both sections separately.

Free of Capture and Seizure but including Strikes, Riots, Civil Commotions, Malicious Damage and Vandalism.

It is agreed that whilst vessel is not operating, coverage hereunder shall be no less wide than that provided under Institute Port Risk Clauses CL. 311 (20th July 1987).

It is understood and agreed that in event of cancellation of this policy due to non-payment of premium to Imperial Premium Finance Company, Underwriters agree to pro rata cancellation.

Warranted Escort Vessel in attendance at all times.

Escort vessel in attendance when required by survey.

Any amendments, additions, deletions, notices of assignment, ratings, alterations of any description, to be agreed by Leading Underwriter and be binding on all others hereon.

Service of Suit Clause.

Lien Clause 548008.

Institute Radioactive Contamination Exclusion Clause CL. 356.

Brokers and/or Agents Cancellation Clause 548005.

TYPE OF COVERAGE:

| | |
|--------------------------------|-----------|
| Excess Protection & Indemnity: | \$750,000 |
| XS | \$250,000 |

CONDITIONS:

All terms, clauses and conditions as per underlying policy(ies) and to follow settlements thereon insofar as applicable.

Excluding Workers Compensation.

It is understood and agreed that in respect of cancellation of this policy due to non-payment of premium to Imperial Premium Finance Company, Underwriters agree to pro rata cancellation.

Any amendments, additions, deletions, ratings, alterations of any description, to be agreed by Leading Underwriter only and to be binding on all others hereon.

Service of Suit Clause.

Lien Clause 548008.
Brokers and/or Agents Cancellation Clause 548006.
Institute Radioactive Contamination Exclusion Clause
1.10.90 (CL356).

NAVIGATION: As per schedule attached.

UNDERWRITERS: Lloyds and London Underwriters

POLICY NUMBER: MM4063DBE - Hull and Protection & Indemnity
MMH021DEA - Excess Protection & Indemnity

This is to certify that Policies of Insurance listed above have been issued to the insured named above and are in force at this time, notwithstanding any requirement, term or condition of any contract or other document with respect to which this Certificate may be issued or may pertain, the Insurance afforded by the Policies described herein is subject to all the terms, exclusions and conditions of such Policies.

Dated: July 20, 1993

Signed


John Grosseto

Bin.PV1



COMMERCIAL PREMIUM FINANCE AGREEMENT

455 Market Street, Suite 1670
San Francisco, CA 94105
(800) 388-7088☐ Coupon☐ Invoice

Note: Add to Existing loan #120264-2

South Carolina Lic. No. 91680045
North Carolina Lic. No. 9-22

| | |
|--|---|
| AGENT (Name & place of business) John Grosseto Marine Insurance 1132 Bishop Street, Suite 1409 Honolulu, Hawaii 96813 Agent No. 19603 | BORROWER (Name & address) Polynesian Voyaging Society 1030 Aolua Place #102B Kailua, Hawaii 96734 Telephone No. Ref. No. 768-512 |
|--|---|

| | | | | | | | | | | | | | |
|---------------------------|--|---------------------|--|-------------------------------|--|-------------------------|--|---------------------------------|--|---------------------------|--|---|--|
| A. TOTAL PREMIUMS | | B. INITIAL PAYMENT | | C. AMOUNT FINANCED (A - B) | | D. FINANCE CHARGE | | E. TOTAL OF PAYMENTS (C + D) | | | | | |
| 34,095.75 | | 8,773.75 | | 25,322.00 | | 718.56 | | 26,040.56 | | | | | |
| ANNUAL PERCENTAGE RATE | | Payment Schedule | | First Installment Due | | Installment Due Date | | Amount of Each Installment | | Number Of Installments | | Installments Payable | |
| 8.0 % | | | | 8-30-93 | | 30th | | 3,720.08 | | 7 | | <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Quarterly | |

SCHEDULE OF POLICIES

| Policy Prefix and Number | Name of Insurance Company and Address of Office or Name and Address of General Agent | NC | Company Code | Effective Date of Policy or Annual Installment | Policy Term In Months Cov. By Premium | Coverage Fire, Auto Mar., I.M. Cas. | Premium |
|-----------------------------|---|----|-----------------|---|--|--|-------------|
| MM4063DBE | Lloyds and London Underwriter's (Thru Lowndes Lambert Marine Ltd). | | | 7-23-93 | 12 | Mar. | \$18,766.98 |
| MMH021DEA | Lloyds and London Underwriter's (Thru Lowndes Lambert Marine Ltd). | | | 7-23-93 | 12 | Mar. | \$15,328.77 |

Total Premiums Must Agree With Block "A"

Total \$ 34,095.75

AGENT/BROKER WARRANTIES

By submitting this Agreement to Imperial, the undersigned warrants and agrees: 1) That Borrower's signature is genuine, or if signed by an agent on behalf of Borrower, Borrower has authorized this transaction in the manner required by applicable state law and granted the agent authority to sign this Agreement on the Borrower's behalf and agrees to the assignment of the security interest as set forth herein; 2) that Borrower has received a copy of this Agreement; 3) that the policies are in full force and effect and the information in the Schedule of Policies and the premium is correct, that none of the policies listed is non-cancellable or written for a term of less than one year; 4) that a proceeding in bankruptcy, receivership or insolvency has neither been instituted by or against Borrower, or the undersigned, nor is contemplated at present; 5) that all unearned premiums, dividends and unearned commissions will be paid to Imperial, and that any lien on any unearned premium is subordinated to Imperial's lien or security interest therein; 6) that the policy(ies) can be cancelled on 10 day's notice.

Date _____ Signature of Agent/Broker _____
John Grosseto

NOTICE:

1. Do not sign this Agreement before you read it, or if it contains any blank space.
2. You are entitled to a completely filled-in copy of this Agreement.
3. Under the law, you have the right to pay off, in advance, the full amount due and, under certain conditions, to obtain partial refund of the service charge.

CONTRACT TERMS

In consideration of the premium payments to be made on its behalf by IMPERIAL PREMIUM FINANCE, INC. known as IMPERIAL PREMIUM, I, _____ in the state of New Jersey, ("Imperial"), the named insured listed above ("Borrower") promises to pay to Imperial the total of payments as specified herein and Borrower agrees that the provisions on both the front and back sides hereof constitute a part of this Agreement.

Date _____ Signature of Borrower(s)
or duly authorized agent _____



JOHN GROSSETO MARINE INSURANCE

First Hawaiian Tower
1132 Bishop Street, Suite 1409 • Honolulu, Hawaii 96813
Phone: (808) 545-1066 FAX: (808) 545-1067

TO: Polynesian Voyaging Society
c/o 1030 Aolua Place #102 B
Kailua, Hawaii 96734

Terms: Payment is due as of effective date of insurance coverage.

| | | | |
|---|--|---------------------------|-------|
| Insured: | | Invoice Date: | |
| Same as above | | 07 | 20 93 |
| Effective | Expiration | Invoice Number | |
| 07 23 93 | 07 23 94 | 002117 | |
| Insurance Description | | | |
| MARINE INSURANCE: Vessel : "Hawaii Loa" Hull & Machinery, Protection and Indemnity * Excess Protection & Indemnity ** | | | |
| Policy # | Insuring Company | Premium | |
| MM4063DBE MMH021DEA | Lloyds & Institute London Under- writer's. (Lowndes Lambert Marine Ltd.) | 18,776.98* 15,328.77** | |
| TOTAL AMOUNT DUE | | \$34,095.75 | |

PLEASE RETURN WITH REMITTANCE

JUL-10-1993 10:05 FROM

GROSSETO MARINE INS TO

001:100 P.01



JOHN GROSSETO MARINE INSURANCE

1132 BISHOP STREET, SUITE 1409
 HONOLULU, HAWAII 96813
 PHONE: (808) 545-1066
 FAX: (808) 545-1067

DATE: 7/15/93FROM: JOHN GROSSETO

FACSIMILE TO:

NAME: Jarnell / NainoaCOMPANY: P.V.S.

PLEASE ADVISE IF NOT RECEIVED CLEARLY OR IF ANY PAGES ARE MISSING.

NUMBER OF PAGES: FACE + 3RE: "Hawaii Loa" adding to policy eff 7/23/93Re: Extending policy from 5/30/94 to 6/30/94

Faxing herewith all the information
 regarding the captioned.

I trust the worksheet is self-
 explanatory but feel free to call
 to discuss.

The bottom line is on pages 2 & 3
 Additional premiums as follows

| | | |
|--------------------|-------|-------------|
| Hull & Primary P&T | - | \$18,766.98 |
| Excess P&T | - - - | 15,328.77 |

Re: E'ala, I found a Doyle
 survey from Nov. '88. My
 estimate of \$8,500 is OK to use

Lowndes Lambert House 53 Eastcheap London EC3P 3HL
 Fax 071-220 7548/ 071-283 1970 Telex 8814631
 Telephone 071-283 2000

JUL 15 1993



International Insurance Brokers

Lowndes Lambert Group
 Member of SIIA

FACSIMILE MESSAGE

FAX NO : 808 545 1067.

DATE: 15.07.93.

TO : John Grosseto Marine.

ATTN : John Grosseto.

FROM : Daniel Franey.

SUBJECT: Polynesian Voyaging Society.

Dear John

Further to your fax 13.07.93 please see premium calculations for the above:-

MM40300E - Hull/PNT

addition of the "Hawaii Loa" $\$300,000 \times 4.95\% =$

$\$14,850.00 \times 311/365 = 12653.01 + \5000 in full

for Pand I = $\$17653.01$.

Extend policy to 30.06.93:-

"Hokulea" $\$100,000 \times 5.625\% \times 31/365 = \477.74

"Hawaii Loa" $\$300,000 \times 4.95\% \times 31/365 = \1261.23

Flat Return in respect of "Hokulea" = $\$625.00$.

Overall A.P = $\$18766.98$.

MM4021DEA - XS PNT

addition of the "Hawaii Loa" $\$15000 \times 311/365 = \12780.82

Extend policy to 30.06.93 $\$30,000 \times 31/365 = \2547.95 .

Confirmations of Coverage attached, and our documentation to follow soonest.

Best Regards

Daniel

Page 1. of 3.



JUL-15-1993 15:40 FROM

GROSSETO MARINE INS TO

5317135 P.03

CONFIRMATION OF COVERAGE

LOWNDES LAMBERT MARINE LIMITED, 53 Eastcheap, London, EC3P 3HL

Tel: 071 283 2000
Fax: 071 220 7548

From: Daniel Franey
Date: 15.07.93

TO: John Grosseto Marine Insurance

FOR THE ATTENTION OF: John Grosseto

Thank you for your fax N/A and we have pleasure in confirming that placement has been completed as attached and binding details are as below.

Best regards

Daniel

ASSURED: Polynesian Voyaging Society

PERIOD: 12 months c 30th April 1993

INTEREST: Add vessel "Hawaii Loa" - 23.07.93 and extend policy 3d/c

COVER NOTE NO. MM4021DEA

ADDITIONAL PREMIUM AS FOLLOWS (CASH)

Gross Premium: \$ 15328.77

Settlement due Date to LLM Ltd: 06.09.93

TOTAL: 100 % OF ORDER 100 %

Please note our reference for the above will be:

ENDORSEMENT / DEBIT NOTE NO: MM4021DRM

Please return immediately to us with following information.

To: LOWNDES LAMBERT MARINE LIMITED

Either

- (1) We confirm your placement as above. Our Binder No. _____
Or
(2) We confirm your placement as above but with the following amendments:

Please issue your documents accordingly. Signed _____

JUL-15-1993 15:40 FROM

GROSSETO MARINE INS TO

5317135 P.04

CONFIRMATION OF COVERAGE

LOWNOES LAMBERT MARINE LIMITED, 53 Eastcheap, London, EC3P 3HL

Tel: 071 283 2000
Fax: 071 220 7548

From: Daniel Franey.
Date: 15.07.93.

TO: John Grosseto Marine Insurance.

FOR THE ATTENTION OF: John Grosseto.

Thank you for your fax N/A. and we have pleasure in confirming that placement has been completed as attached and binding details are as below.

Best regards

Daniel

ASSURED: Polynesian Voyaging Society.

PERIOD: 12 months c 30th April 1993.

INTEREST: Add vessel "Hawaii Loa" - 23.07.93, and extend policy - 30/06

COVER NOTE NO. MM4063DBE

ADDITIONAL PREMIUM AS FOLLOWS (CASH)

Gross Premium: \$ 18766.98

Settlement due Date to LLM Ltd: 06.09.93.

TOTAL: 100 % OF ORDER 100 %

Please note our reference for the above will be:

ENDORSEMENT / DEBIT NOTE NO: MM4063DBE.

Please return immediately to us with following information.

To: LOWNOES LAMBERT MARINE LIMITED

Either

(1) We confirm your placement as above. Our Binder No. _____

Or

(2) We confirm your placement as above but with the following amendments:

Please issue your documents accordingly. Signed _____

TOTAL P.04

DOCUMENTS

MIKE DOYLE, LIMITED

Marine Surveyors covering the Pacific since 1973

606 Fort Street, Room 300
Honolulu, Hawaii 96813
Telephone (808) 521-9881
Fax (808) 537-9329

REPORT NO. 19447 P
June 14, 1993

Preliminary Survey of the 57' Polynesian Double Hulled Canoe HAWAII LOA
O/N NONE

This is the report of a survey made by the undersigned marine surveyor at the request of Nainoa Thompson conducted in construction at Pier 36, City of Honolulu, at various times thru June 12, 1993. The purpose of the survey was to ascertain the condition and valuation of the vessel at the time of survey for insurance purposes.

ATTACHMENTS: Forming a part of this report, Appendix A.

GENERAL DESCRIPTION:

This is a replica of an older double hulled canoe currently being constructed at Pier 36, Honolulu. Her separate hulls are carved from Sitka Spruce and joined together with spruce timber cross beams, all of which are lashed together using both manila rope and coconut sennit. The logs were initially shipped in from the mainland and carved by local builders. Each hull is essentially identical and will eventually be separated into compartments for various crew members and to provide additional watertight integrity besides her wood construction. While the vessel is not complete at this time, it is planned to launch on July 24, 1993 and will undergo sea trials following launch.

The undersigned will be following through during the final construction and sea trials and will report accordingly.

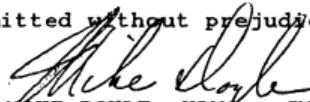
At this time the vessel is in apparently good structural condition and is considered a suitable risk for local waters within five miles of shore until further sea trials are conducted.

At this time the undersigned considers this vessel to have:

An estimated market value of \$400,000
And a replacement cost of ...\$600,000

This survey constitutes the honest opinion of the surveyor, but is not to be construed as a warranty or be used in any legal action against the surveyor.

Survey conducted and report submitted without prejudice.


MIKE DOYLE, NAME - CMS
Principal Surveyor with
Mike Doyle, Limited

For: Nainoa Thompson
cc: John Grosseto



MIKE DOYLE, LIMITED
Marine Surveyors - Consultants

BOAT SURVEY AND EQUIPMENT DETAILS

| | |
|---|-----------------------------|
| MORTGAGE: None | HULL NO.: None |
| OWNER: Native Hawaiian Culture Program & Arts Program, Bishop Museum | YEAR BUILT: 1993 |
| ADDRESS: 1525 Bernice St. Honolulu 96817 | PLACE BUILT: Honolulu |
| PHONE: 532-5630 | DESIGNER: Barry & Rudy Choy |
| TRADE: Research | SAIL NO.: n/a |
| SPEED: n/a | REGISTRY NO.: None |
| TONNAGE: 21,000# Displacement Est. | DIMENSIONS: 57' x 16' x 22" |
| IOR: n/a | REPLACEMENT COST: \$600,000 |
| USCG CLASS: III | MARKET VALUE: \$400,000 |
| TYPE VESSEL: Polynesian Db1. Hulled Canoe | OWNER'S COST: -- |
| | INSURANCE CO.: Grosseto |

HULL

| | |
|-------------------------------------|----------------------------|
| MATERIAL: Wood - Sitka Spruce | KINGPOST: No |
| PLANKING: Carved Log | GALLEY STOVE: No |
| FRAMES: n/a | STOVE FUEL: -- |
| CTC: n/a | REFRIGERATOR: No |
| DECKS: Fir 2" x 12" | WATER: No |
| FASTENINGS: Manila & Coconut Sennit | NO. TANKS: -- |
| LAST DRYDOCK: New | MATERIAL: -- |
| BILGE PUMP: 4 Manual | CAPACITY: -- |
| ANCHORS: 2 | FIRE EXTINGUISHERS: 6 BI's |
| CHAIN: 20' x 5/16" Each | SERVICED: Yes |
| ROPE: 1200' x 3/4" | HEAD: No |
| MOORING LINES: OK | WINCHES: No |
| FENDERS: 4 | |

ENGINES

| | |
|----------------------------------|----------------------------------|
| MAKE: None | ENGINE S/N: n/a |
| H.P.: -- | NO. CARBURETORS: -- |
| LOCATION: -- | BACKFIRE PROTECTION: -- |
| FUEL: -- | ELECTRICAL WIRING CONDITION: n/a |
| NO. FUEL TANKS: -- | BATTERIES: None |
| LOCATION: -- | AUX. GENERATOR: n/a |
| MATERIAL: -- | PROPELLER: None |
| CAPACITY: -- | NO. BLADES: -- |
| VENTILATION: -- | DIAMETER: -- |
| EXHAUST: -- | SHAFT SIZE: -- |
| ENGINE VENTILATION: -- | SAILS: 2 Canvas Sails |
| BILGE CONDITION: New | SPARS: Ohia |
| GENERAL VESSEL MAINTENANCE: Good | |
| ENGINE HRS.: n/a | |

NAVIGATION

| | |
|----------------------------|--------------------------|
| RADIO: 2 ICOM Handheld VHF | BAROMETER: No |
| CALL NO.: Applied For | RUNNING LIGHTS: Portable |
| WATTS: 5 Each | COMPASS: No |
| HORN: Handheld | BELL: Yes |
| AUTO PILOT: No | PILOT RULES: Yes |
| ADF: No | CHARTS: Local |
| ADP: No | SEARCHLIGHT: Flashlight |
| DEPTH RECORDER: No | OTHER: Boarding Ladder |
| CLOCK: No | |

SAFETY EQUIPMENT

| | |
|--------------|------------------------|
| DINGHY: No | LIFE PRESERVERS: 24 |
| RAFT: No | PYROTECHNICS: Approved |
| LIFE RING: 2 | FIRST AID KIT: Yes |

NAME OF VESSEL: HAWAII LOA

HULL COLOR: Black
DECK COLOR: Fir & Black

DATE OF SURVEY: June 12, 1993
HARBOR & SLIP: Pier 36
Photos on file in surveyor's office.

FOR: Nainoa Thompson
440 Puamamane Street
Honolulu, Hawaii 96821
377-5754 (H) 532-1717 (Aloha Tower)

APPENDIX A, REPORT NO. 10447 P

cc: John Grosseto

HAWAIILOA MANIFEST

- I. CANOE LOAD PLAN
- II. CANOE COMPARTMENT INVENTORY
- III. WATER
- IV. FOOD
- V. GALLEY EQUIPMENT
- VI. SAFETY EQUIPMENT
- VII. COMMUNICATIONS EQUIPMENT
- VIII. DOCUMENTATION
- IX. MEDICAL SUPPLIES
- X. SAILS & ROPE
- XI. TOOLS
- XII. SHIP'S DOCUMENTS



II. CANOE COMPARTMENT INVENTORY

COMPARTMENT NO. _____

HULL SIDE _____

DESCRIPTION OF ITEMS

NUMBER

WEIGHT

III. WATER

| ITEMS | QTY | COST |
|---|-----|----------------|
| PLASTIC CONTAINERS, 5 GALS (NUMBERED) | 20 | \$200 |
| INDIVIDUAL PLASTIC JUGS, 1 GAL (NUMBERED) | 5 | \$75 |
| PUMPS | 0 | N/A UNTIL 1995 |
| CLOROX, 1/2 GALLON | 0 | N/A UNTIL 1995 |

II. CANOE COMPARTMENT INVENTORY

COMPARTMENT NO. _____

HULL SIDE _____

DESCRIPTION OF ITEMS

NUMBER

WEIGHT

V. GALLEY EQUIPMENT

| ITEMS | QTY | COST |
|--|-----|----------------|
| GALLEY BOX | 0 | N/A UNTIL 1995 |
| LPG/SINGLE BURNER STOVE | 0 | N/A UNTIL 1995 |
| LPG TANK FOR STOVE | 0 | N/A UNTIL 1995 |
| COOKING POTS (LARGE) | 0 | N/A UNTIL 1995 |
| COOKING POTS (SMALL) | 0 | N/A UNTIL 1995 |
| FRYING PAN (LARGE) | 0 | N/A UNTIL 1995 |
| CUTTING BOARDS (LARGE & SMALL) | 2 | \$20 |
| KNIVES: CHEF | 2 | \$40 |
| VEGETABLE | 2 | \$30 |
| PARING | 2 | \$20 |
| CAN OPENERS (HAND OPERATED) W? BOTTLE OPENER | 2 | \$20 |
| VEGETABLE PEELERS | 2 | \$80 |
| SERVING SPOONS (LARGE) | 2 | \$10 |
| SOUP LADLES (LARGE & SMALL) | 0 | N/A UNTIL 1995 |
| HOT WATER THERMOS POTS (LARGE) | 2 | \$40 |
| FORKS (STAINLESS STEEL - MARINE) | 20 | \$75 |
| SPOONS (STAINLESS STEEL - MARINE) | 20 | \$75 |
| CUPS (PLASTIC) | 20 | \$100 |
| EATING BOWLS (PLASTIC) | 20 | \$100 |
| DISHWASHING LIQUID (JOY) LARGE | 6 | \$12 |
| SCRUBBING PADS (3M - ROUGH) 3" X 6" | 6 | \$5 |
| SPONGES WITH SCRUBBER (CHORE BOY) 3" X 6" | 10 | \$15 |

III. WATER

| ITEMS | QTY |
|---|----------------------|
| PLASTIC CONTAINERS, 5 GALS (NUMBERED) | 70 |
| INDIVIDUAL PLASTIC JUGS, 1 GAL (NUMBERED) | 16 (FLY 6 TO TAHITI) |
| PUMPS | 2 |
| CLOROX, 1/2 GALLON | 2 |

V. GALLEY EQUIPMENT (continued)

| ITEMS | QTY | COST |
|---|----------|----------------|
| LARGE SPONGES | 6 | \$5 |
| SPATULAS | 0 | N/A UNTIL 1995 |
| LIGHTERS | 0 | N/A UNTIL 1995 |
| IGLOO COOLERS (48 QT.) CREW ON DECK | 4 | \$80 |
| SEA SOAP | 10 | \$25 |
| TOILET PAPER | 60 ROLLS | \$15 |
| TIDE LIQUID (CLOTHES SOAP) 18 OZ. | 0 | N/A UNTIL 1995 |
| 162 QT. COOLER - ON DECK | 3 | \$225 |
| <u>SPARE PARTS:</u> | | |
| HOSE (FOR STOVE) | 0 | N/A UNTIL 1995 |
| HOSE CLAMPS (FOR STOVE) | 0 | N/A UNTIL 1995 |
| REGULATOR (FOR STOVE) | 0 | N/A UNTIL 1995 |
| SINGLE BURNER | 0 | N/A UNTIL 1995 |

IV. FOOD

| ITEMS | QTY |
|-------|-----|
| | |

V. GALLEY EQUIPMENT

| ITEMS | QTY |
|--|-----|
| GALLEY BOX | 1 |
| LPG/SINGLE BURNER STOVE | 2 |
| LPG TANK FOR STOVE | 4 |
| COOKING POTS (LARGE) | 2 |
| COOKING POTS (SMALL) | 2 |
| FRYING PAN (LARGE) | 1 |
| CUTTING BOARDS (LARGE & SMALL) | 2 |
| KNIVES: CHEF | 1 |
| VEGETABLE | 1 |
| PARING | 1 |
| CAN OPENERS (HAND OPERATED) W/ BOTTLE OPENER | 2 |
| VEGETABLE PEELERS | 2 |
| SERVING SPOONS (LARGE) | 3 |
| SOUP LADLES (LARGE & SMALL) | 2 |
| HOT WATER THERMOS POTS (LARGE) | 2 |
| FORKS (STAINLESS STEEL - MARINE) | 20 |
| SPOONS (STAINLESS STEEL - MARINE) | 20 |
| CUPS (PLASTIC) | 20 |
| EATING BOWLS (PLASTIC) | 20 |
| DISHWASHING LIQUID (JOY) LARGE | 6 |
| SCRUBBING PADS (3M - ROUGH) 3" X 6" | 12 |
| SPONGES WITH SCRUBBER (CHORE BOY) 3" X 6" | 6 |

VI. SAFETY EQUIPMENT

| ITEMS | QTY | COST |
|--|-------------|----------------|
| EPIRB, AIRCRAFT | 1 | \$360 |
| EPIRB, SATELLITE | 0 | N/A UNTIL 1995 |
| TYPE II COAST GUARD APPROVED LIFE PRESERVERS | 24 | \$576 |
| SAFETY HARNESSES COAST GUARD APPROVED | 10 | \$360 |
| TETHER, 10' | 10 | \$300 |
| 10# CO2 TRI CLASS FIRE EXTINGUISHERS | 6 (MOUNTED) | \$360 |
| AIR HORNS WITH SPARE CANNISTERS | 2 | \$36 |
| MAN OVER BOARD POLE WITH FLAG & STROBE LIGHT (2) | 1 | \$80 |
| 4,000' BRAIDED POLY PRO LINE & 1 SPOOL | 1 | \$250 |
| 30" DIAMETER LIFE RINGS | 1 | \$36 |
| ANCHORS | 3 | \$615 |
| ANCHOR CHAIN (20 FT. LONG) | 3 | \$160 |
| ANCHOR LINE 5/8" DIAMETER MIN./300 FT. LONG | 4 | \$9,600 |
| BELL | 1 | \$15 |
| PORTABLE HAND BILGE PUMP | 4 | \$1,080 |
| SPARE PORTABLE HAND BILGE PUMP | 1 | \$74 |
| FULL SPARE KITS FOR BILGE PUMP | 0 | N/A UNTIL 1995 |
| MARINE DISTRESS KIT | 2 | \$150 |
| FIRST AID KIT | 1 | \$88 |
| SPOTLIGHTS (6 VOLT TYPE) WATERPROOF MARINE TYPE | 4 | \$200 |
| FLASHLIGHTS (D SIZE BAT.) WATERPROOF MARINE TYPE | 6 | \$300 |

V. GALLEY EQUIPMENT (continued)

| ITEMS | QTY |
|---|----------|
| SPATULAS | 2 |
| LIGHTERS | 3 |
| IGLOO COOLERS (48 QT.) CREW ON DECK | 14 \$ |
| SEA SOAP | 20 |
| TOILET PAPER | 60 ROLLS |
| TIDE LIQUID (CLOTHES SOAP) 18 OZ. | 2 |
| <u>SPARE PARTS:</u> | |
| HOSE (FOR STOVE) | 20 FEET |
| HOSE CLAMPS (FOR STOVE) | 4 |
| REGULATOR (FOR STOVE) | 1 |
| SINGLE BURNER | 1 |

VI. SAFETY EQUIPMENT (continued)

| ITEMS | | QTY | COST |
|---|---|-------------------------------|----------------|
| ROPE LADDERS | | 1 | \$50 |
| POLY PROPOLENE, 1800' ROLL | | 1 | \$500 |
| SPARE BATTERIES: | D SIZE 6 VOLT | AS REQ. AS REQ. | \$50 |
| SPARE BULBS: | FLASHLIGHTS SPOTLIGHTS RUNNING LIGHTS | AS REQ. AS REQ. AS REQ. | \$50 |
| HAND HELD STROBE LIGHTS W/SPARE BATTERIES | | 6 | \$282 |
| SURFBOARD | | 0 | N/A UNTIL 1995 |
| KNIVES IN SLEEVES, STRAP TO AFT POSTS | | 4 | \$150 |
| SAFETY NETS, FORE & AFT | | 2 | \$400 |
| FOUL WEATHER GEAR | | 0 | N/A UNTIL 1995 |
| SLEEPING MATS | | 6 | \$300 |

** NEED SIGN-UP SHEETS FOR ABOVE SAFETY EQUIPMENT

VI. SAFETY EQUIPMENT

| ITEMS | QTY |
|--|-------------|
| EPIRB, AIRCRAFT | 2 |
| EPIRB, SATELLITE | 1 |
| TYPE II COAST GUARD APPROVED LIFE PRESERVERS | 20 |
| SAFETY HARNESSES COAST GUARD APPROVED | 14 |
| 10# CO2 TRI CLASS FIRE EXTINGUISHERS | 4 (MOUNTED) |
| AIR HORNS WITH SPARE CANNISTERS | 4 |
| MAN OVER BOARD POLE WITH FLAG & STROBE LIGHT (2) | 1 |
| 4,000' BRAIDED POLY PRO LINE & 1 SPOOL | |
| 30" DIAMETER LIFE RINGS | 1 |
| ANCHORS | 3 |
| ANCHOR CHAIN (20 FT. LONG) | |
| ANCHOR LINE 5/8" DIAMETER MIN./300 FT. LONG | |
| BELL | 1 |
| PORTABLE HAND BILGE PUMP | 2 |
| SPARE PORTABLE HAND BILGE PUMP | 1 |
| FULL SPARE KITS FOR BILGE PUMP | 3 |
| MARINE DISTRESS KIT | 3 |
| FIRST AID KIT | 1 |
| SPOTLIGHTS (6 VOLT TYPE) WATERPROOF MARINE TYPE | 4 |
| FLASHLIGHTS (D SIZE BAT.) WATERPROOF MARINE TYPE | 8 |

VII. COMMUNICATIONS EQUIPMENT

| ITEMS | QTY | COST |
|---|-----|----------------|
| VHF RADIO AND RECEIVER | 0 | N/A UNTIL 1995 |
| MARINE VHF ANTENNA - SHAKESPEARE | 0 | N/A UNTIL 1995 |
| 12 VOLT MARINE BATTERIES | 0 | N/A UNTIL 1995 |
| BATTERY BOXES | 0 | N/A UNTIL 1995 |
| VHF HANDHELD RADIO/RECEIVER | 2 | \$458 |
| REPLACEMENT BATTERIES | 2 | \$136 |
| DC POWER CORD | 2 | \$24 |
| DC CHARGER | 2 | \$44 |
| WATERPROOF BAGGIES | 2 | \$28 |
| RADIO BOX | 0 | N/A UNTIL 1995 |
| SOLAR PANELS, CAPACITY REQUIRED | 0 | N/A UNTIL 1995 |
| REGULATOR (FOR SOLAR PANELS) | 0 | N/A UNTIL 1995 |
| RADAR REFLECTOR | 2 | \$200 |
| VHF BATTERY CHARGER | 0 | N/A UNTIL 1995 |
| INMARSAT-C | 0 | N/A UNTIL 1995 |
| DC TO AC CONVERTER | | |
| HARDWARE & SOFTWARE | | |
| BRIGHT DISPLAY LAPTOP COMPUTER W/SOFTWARE | | |
| EXTRA BATTERIS & PLUG IN DC CHARGER | | |
| ANTENNA | | |
| TRANSCEIVER | | |
| KEYBOARD | | |
| MOUSE | | |
| SLOW SCAN VIDEO CONVERTER | 0 | N/A UNTIL 1995 |
| SINGLE-SIDE BAND MARINE RADIO | 0 | N/A UNTIL 1995 |
| SINGLE-SIDE BAND MARINE ANTENNA | 0 | N/A UNTIL 1995 |
| HF PACKET RADIO | 0 | N/A UNTIL 1995 |

VI. SAFETY EQUIPMENT (continued)

| ITEMS | QTY |
|--|--------|
| ROPE LADDERS | 2 |
| POLY PROPOLENE, 1800' | |
| SPARE BATTERIES: D SIZE 6 VOLT | |
| SPARE BULBS: FLASHLIGHTS SPOTLIGHTS RUNNING LIGHTS | |
| HAND HELD STROBE LIGHTS W/SPARE BATTERIES | 14 |
| SURFBOARD | 1 |
| KNIVES IN SLEEVES, STRAP TO AFT POSTS | 2 |
| SAFETY NETS, FORE & AFT | 2 |
| FOUL WEATHER GEAR | |
| MEDIUM | 4 SETS |
| LARGE | 6 SETS |
| X-LARGE | 4 SETS |
| SLEEPING MATS | 10 |

** NEED SIGN-UP SHEETS FOR ABOVE SAFETY EQUIPMENT

VII. COMMUNICATIONS EQUIPMENT (continued)

| ITEMS | QTY | COST |
|--------------------|---------|----------------|
| CELLULAR TELEPHONE | 1 | \$300 |
| BATTERY CHARGER | 1 | \$100 |
| ARGOS TRANSPONDER | 0 | N/A UNTIL 1995 |
| GPS, HANDHELD | 1 | \$670 |
| SPARE AA BATTERIES | AS REQ. | \$20 |

VII. COMMUNICATIONS EQUIPMENT

| ITEMS | QTY |
|---|-----|
| VHF RADIO AND RECEIVER | 1 |
| MARINE VHF ANTENNA - SHAKESPEARE | 1 |
| 12 VOLT MARINE BATTERIES | 3 |
| BATTERY BOXES | 1 |
| VHF HANDHELD RADIO/RECEIVER | 2 |
| REPLACEMENT BATTERIES | 4 |
| DC POWER CORD | 2 |
| DC CHARGER | 2 |
| WATERPROOF BAGGIES | 2 |
| RADIO BOX | 1 |
| SOLAR PANELS, CAPACITY REQUIRED | 8 |
| REGULATOR (FOR SOLAR PANELS) | 1 |
| ECHO MASTER RADAR RECEIVER | 1 |
| VHF BATTERY CHARGER | 1 |
| INMARSAT-C | 1 |
| DC TO AC CONVERTER | 1 |
| HARDWARE & SOFTWARE | 1 |
| BRIGHT DISPLAY LAPTOP COMPUTER W/SOFTWARE | 1 |
| EXTRA BATTERIS & PLUG IN DC CHARGER | 3 |
| ANTENNA | 1 |
| TRANSCEIVER | 1 |
| KEYBOARD | 2 |
| MOUSE | 3 |
| SLOW SCAN VIDEO CONVERTER | 1 |
| SINGLE-SIDE BAND MARINE RADIO | 1 |
| SINGLE-SIDE BAND MARINE ANTENNA | 1 |
| HF PACKET RADIO | 1 |

VIII. DOCUMENTATION

| ITEMS | QTY |
|--------------------------------------|-----------------|
| <u>WRITTEN MATERIAL:</u> | |
| NAVIGATOR'S LOG (CHECKLIST) | ALL AS REQUIRED |
| CAPTAIN'S LOG | |
| WATCH CAPTAIN'S LOG | |
| CREW'S LOG | |
| <u>AUDIO:</u> | |
| BROADCAST QUALITY TAPE RECORDER | |
| BATTERIES | |
| AUDIO TAPES | |
| STORAGE BOX | |
| PLASTIC BAGS, PROTECT EQUIPMENT | |
| <u>VIDEO:</u> | |
| WATERPROOF VIDEO CAMERA | |
| <u>STILL:</u> | |
| PUBLICATION QUALITY CAMERA EQUIPMENT | |
| PLASTIC BAGS, PROTECT EQUIPMENT | |
| FILM | |
| BLACK & WHITE | |
| SLIDES | |
| COLOR | |
| PROPER EQUIPMENT FOR STORAGE | |
| IX. MEDICAL SUPPLIES | |

VII. COMMUNICATIONS EQUIPMENT (continued)

| ITEMS | QTY |
|--------------------|-----|
| ARGOS TRANSPONDER | 1 |
| GPS, HANDHELD | 2 |
| SPARE AA BATTERIES | 24 |

| ITEMS | QTY | COST |
|-------|-----|------|
|-------|-----|------|

FIRST AID KIT (OSHA APPROVED)

BLANKET (CAPALENE) LATITUDE TYPE

** SEE ATTACHED LIST

NOTE: SHIP'S DOCOTR TO REVIEW OR HANDLE ALL MEDICAL EQUIPMENT OR SUPPLIES
NOT PART OF FIRST AID KIT.

VIII. DOCUMENTATION

| ITEMS | QTY |
|--------------------------------------|-----------------------|
| <u>WRITTEN MATERIAL:</u> | |
| NAVIGATOR'S LOG (CHECKLIST) | 4 BOOKLETS OF 40 |
| CAPTAIN'S LOG | 1 BOOK (WATERPROOF) |
| WATCH CAPTAIN'S LOG | 4 BOOKLETS OF 50 |
| CREW'S LOG | 16 BOOKS (WATERPROOF) |
| <u>AUDIO:</u> | |
| BROADCAST QUALITY TAPE RECORDER | 2 |
| BATTERIES | SUFFICIENT |
| AUDIO TAPES | 30 |
| STORAGE BOX | 1 |
| PLASTIC BAGS, PROTECT EQUIPMENT | 10 |
| <u>VIDEO:</u> | |
| WATERPROOF VIDEO CAMERA | 1 |
| <u>STILL:</u> | |
| PUBLICATION QUALITY CAMERA EQUIPMENT | 1 |
| PLASTIC BAGS, PROTECT EQUIPMENT | 10 |
| FILM | |
| BLACK & WHITE | SUFFICIENT |
| SLIDES | SUFFICIENT |
| COLOR | SUFFICIENT |
| PROPER EQUIPMENT FOR STORAGE | 1 |

X. SAILS AND ROPE

| ITEMS | QTY | COST |
|------------------------------------|-------------|---------|
| WORKING SAILS | 2 | \$1,000 |
| LIGHT AIR SAILS, 400 SQ' (#40) | 2 | \$700 |
| STORM SAILS | 2 | \$1,500 |
| STORM TRI-SAILS (WHITE ONE) | 0 | |
| MAIN | | |
| MIZZEN | | |
| ROPES: 3/4" SENNIT (200 FT.) SPOOL | 0 | |
| 5/8" SENNIT (200 FT.) SPOOL | 600' | \$600 |
| 1/2" SENNIT (600 FT.) SPOOL | 600' | \$600 |
| 1/4" SENNIT (600 FT.) SPOOL | 1,200' | \$600 |
| 1/8" SENNIT (1200 FT.) SPOOL | 0 | |
| 1/8" SENNIT (600 FT.) SPOOL | 0 | |
| <u>SAIL REPAIR KIT:</u> | AS REQUIRED | \$100 |
| SAIL NEEDLES | | |
| SAIL NEEDLES | | |
| SAIL NEEDLES | | |
| SAIL NEEDLES | | |
| SAIL NEEDLES | | |
| SAIL NEEDLES | | |
| SAIL NEEDLES | | |
| SAIL NEEDLES | | |
| SAIL MAKERS PALM L/R HAND | | |
| SPOOLS DACRON SAIL TWINE UNWAXED | | |
| SPOOLS DACRON SAIL TWINE WAXED | | |
| BRAIDED DACRON TWINE | | |
| WOOD AND BRASS 2' FOLDING RULER | | |
| SS RIGGING KNIFE | | |
| MARLINE SPIKES | | |
| SCISSORS LARGE AND SMALL | | |
| BLOCKS OF BEES WAX | | |
| CANS OF LIQUID WHIP | | |
| ROLLS OF DACRON TAPE | | |
| SAIL REPAIR BAG | | |
| GROMMET REPAIR KIT | | |
| EXTRA SAIL MATERIAL | | |
| EXTRA GROMMETS | | |

IX. MEDICAL SUPPLIES

| ITEMS | QTY |
|-------|-----|
|-------|-----|

FIRST AID KIT (OSHA APPROVED)

BLANKET (CAPALENE) LATITUDE TYPE

** SEE ATTACHED LIST

NOTE: SHIP'S DOCOTR TO REVIEW OR HANDLE ALL MEDICAL EQUIPMENT OR SUPPLIES
NOT PART OF FIRST AID KIT.

XI. TOOLS

| ITEMS | QTY | COST |
|-----------------------------|-------------|----------------|
| TOOL BOX - COOLER | 1 | \$30 |
| WATER CATCHMENT TARP | 0 | N/A UNTIL 1995 |
| DECK/SUN TARP (12' x 20') | 2 | \$40 |
| REPAIR KIT FOR SPLASH GUARD | 0 | N/A UNTIL 1995 |
| EXTRA SPLASH GUARD MATERIAL | 0 | N/A UNTIL 1995 |
| BOSUN'S CHAIR | 1 | \$80 |
| <u>TOOL LIST:</u> | AS REQUIRED | \$200 |

BRACE
 SET OF BITS
 SCREWDRIVER BITS FOR BRACE
 PUSH DRILL WITH BITS
 HAND DRILL WITH BITS
 SET WOOD CHISELS
 SQUARE
 HAMMERS
 HAND SAWS
 TREE SAW
 FOLDING RULER
 TAPE RULERS, 25'
 SURFORM BLOCK PLANES
 LINEMAN PLIERS
 LONG PLIERS
 ADJUSTABLE PLIERS
 MECHANIC PLIERS
 SET SCREW DRIVERS
 SOCKET SET 3/8 DRIVE
 SET BOX WRENCHES
 SET OPEN WRENCHES
 ADJUSTABLE WRENCHES
 VICE GRIPS
 6" C CLAMPS
 WOODEN CLAMPS, #4
 4" VICE
 CONTOUR GAUGE

X. SAILS AND ROPE

| ITEMS | QTY |
|----------------------------------|------|
| WORKING SAILS | 3 |
| LIGHT AIR SAILS, 400 SQ' (#40) | 3 |
| STORM SAILS | 2 |
| STORM TRI-SAILS (WHITE ONE) | |
| MAIN | 2 |
| MIZZEN | 2 |
| ROPES: | |
| 3/4" DACRON (200 FT.) SPOOL | 1 |
| 5/8" DACRON (200 FT.) SPOOL | 1 |
| 1/2" DACRON (600 FT.) SPOOL | 1 |
| 1/4" DACRON (600 FT.) SPOOL | 2 |
| 1/8" DACRON (1200 FT.) SPOOL | 1 OR |
| 1/8" DACRON (600 FT.) SPOOL | 2 |
| <u>SAIL REPAIR KIT:</u> | |
| SAIL NEEDLES | 4 |
| SAIL NEEDLES | 4 |
| SAIL NEEDLES | 4 |
| SAIL NEEDLES | 4 |
| SAIL NEEDLES | 4 |
| SAIL NEEDLES | 4 |
| SAIL NEEDLES | 4 |
| SAIL NEEDLES | 4 |
| SAIL MAKERS PALM L/R HAND | 2 |
| SPOOLS DACRON SAIL TWINE UNWAXED | 4 |
| SPOOLS DACRON SAIL TWINE WAXED | 4 |
| BRAIDED DACRON TWINE | 4 |
| WOOD AND BRASS 2' FOLDING RULER | 1 |
| SS RIGGING KNIFE | 1 |
| MARLINE SPIKES | 2 |
| SCISSORS LARGE AND SMALL | 2 |
| BLOCKS OF BEES WAX | 6 |
| CANS OF LIQUID WHIP | 4 |
| ROLLS OF DACRON TAPE | 2 |
| SAIL REPAIR BAG | 1 |
| GROMMET REPAIR KIT | 1 |
| EXTRA SAIL MATERIAL | |
| EXTRA GROMMETS | |

XI. TOOLS (continued)

| ITEMS | QTY |
|--------------------------------|-----|
| SPOKE OR DRAW KNIVES | |
| BLOCK PLANE | |
| ROLLS ELECTRICAL TAPE | |
| CANS WD-40 | |
| SET WOOD FILES AND WOODS RASPS | |
| MARINE EPOXY FOR WOOD | |
| STRIPS OF INNER TUBE | |
| C-CLAMPS, OPENING 6" | |
| WOOD SCREWS, 1 1/2" | |
| WOOD SCREWS, 3" | |
| CAULKING, SILICONE | |
| CAULKING, UNDERWATER | |
| CAULKING GUN | |
| NON-SKID STRIPS | |

XI. TOOLS

| ITEMS | QTY |
|-----------------------------|-----|
| TOOL BOX | 1 |
| WATER CATCHMENT TARP | 1 |
| DECK/SUN TARP (12' x 20') | 1 |
| REPAIR KIT FOR SPLASH GUARD | 1 |
| EXTRA SPLASH GUARD MATERIAL | |

TOOL LIST:

| | |
|----------------------------|---|
| BRACE | 1 |
| SET OF BITS | 1 |
| SCREWDRIVER BITS FOR BRACE | 2 |
| PUSH DRILL WITH BITS | 1 |
| HAND DRILL WITH BITS | 1 |
| SET WOOD CHISELS | 1 |
| SQUARE | 1 |
| HAMMERS | 2 |
| HAND SAWS | 2 |
| TREE SAW | 1 |
| FOLDING RULER | 1 |
| TAPE RULERS, 25' | 2 |
| SURFORM BLOCK PLANES | 2 |
| LINEMAN PLIERS | 1 |
| LONG PLIERS | 1 |
| ADJUSTABLE PLIERS | 1 |
| MECHANIC PLIERS | 1 |
| SET SCREW DRIVERS | 2 |
| SOCKET SET 3/8 DRIVE | 1 |
| SET BOX WRENCHES | 1 |
| SET OPEN WRENCHES | 1 |
| ADJUSTABLE WRENCHES | 2 |
| VICE GRIPS | 2 |
| 6" C CLAMPS | 2 |
| WOODEN CLAMPS, #4 | 2 |
| 4" VICE | 1 |
| CONTOUR GAUGE | 1 |
| SPOKE OR DRAW KNIVES | 2 |
| BLOCK PLANE | 1 |

XII. VESSEL DOCUMENTS

| ITEMS | QTY |
|--|-----------------|
| <u>CAPTAIN'S LOG:</u> CAPTAIN'S CHECKLIST CREW LIST LOG EVACUATION PROCEDURES | ALL AS REQUIRED |
| <u>WATCH CAPTAIN'S LOG:</u> WATCH CAPTAIN'S CHECKLIST | |
| <u>VESSEL DOCUMENTS:</u> COPY OF INSURANCE COPY OF MARINE SURVEY COPY OF FCC LICENSE COAST GUARD PAMPHLETS/SAFETY NOTEBOOK WEIGHTS & BALANCE FORM | |
| MANUAL | |
| MANIFEST | |
| WAIVERS | |
| NAVIGATION BOOKLETS (REPORTS) | |
| <u>REPORTING CHECKLIST:</u> KCCN TEXT | |
| <u>ELECTRICAL:</u> EQUIPMENT LIST PROCEDURES TROUBLE SHOOT | |
| <u>COMMUNICATIONS:</u> EQUIPMENT LIST OPERATING PROCEDURES TROUBLE SHOOT COMMUNICATIONS PROCEDURES | |

XI. TOOLS (continued)

| ITEMS | QTY |
|--------------------------------|---------|
| ROLLS ELECTRICAL TAPE | 4 |
| CANS WD-40 | 4 |
| SET WOOD FILES AND WOODS RASPS | 1 |
| MARINE EPOXY FOR WOOD | 1 QT. |
| STRIPS OF INNER TUBE | |
| C-CLAMPS, OPENING 6" | |
| WOOD SCREWS, 1 1/2" | 100 |
| WOOD SCREWS, 3" | 100 |
| CAULKING, SILICONE | 4 TUBES |
| CAULKING, UNDERWATER | 3 TUBES |
| CAULKING GUN | 1 |
| NON-SKID STRIPS | |

XII. VESSEL DOCUMENTS (continued)

| ITEMS | QTY | COST |
|---------------------------------|---------|----------------|
| <u>BACK UP NAVIGATION GEAR:</u> | | |
| SEALED 5 GALLON BUCKET | 0 | N/A UNTIL 1995 |
| ALMANAC | 1 | \$18 |
| HD 249 | 0 | N/A UNTIL 1995 |
| TIMEPIECE | 0 | N/A UNTIL 1995 |
| COMPASS | 0 | N/A UNTIL 1995 |
| REGULAR CHARTS | AS REQ. | \$35 |

XII. VESSEL DOCUMENTS

| ITEMS | QTY |
|--|-----|
| <u>CAPTAIN'S LOG:</u> CAPTAIN'S CHECKLIST CREW LIST LOG EVACUATION PROCEDURES | |
| <u>WATCH CAPTAIN'S LOG:</u> WATCH CAPTAIN'S CHECKLIST | |
| <u>VESSEL DOCUMENTS:</u> COPY OF INSURANCE COPY OF MARINE SURVEY COPY OF FCC LICENSE COAST GUARD PAMPHLETS/SAFETY NOTEBOOK WEIGHTS & BALANCE FORM | |
| MANUAL | |
| MANIFEST | |
| WAIVERS | |
| NAVIGATION BOOKLETS (REPORTS) | |
| <u>REPORTING CHECKLIST:</u> KCCN TEXT | |
| <u>ELECTRICAL:</u> EQUIPMENT LIST PROCEDURES TROUBLE SHOOT | |
| <u>COMMUNICATIONS:</u> EQUIPMENT LIST OPERATING PROCEDURES TROUBLE SHOOT COMMUNICATIONS PROCEDURES | |

XI. TOOLS

| ITEMS | QTY | COST |
|-----------------------------|-------------|----------------|
| TOOL BOX - COOLER | 1 | \$50 |
| WATER CATCHMENT TARP | 0 | N/A UNTIL 1995 |
| DECK/SUN TARP (12' x 20') | 2 | \$60 |
| REPAIR KIT FOR SPLASH GUARD | 0 | N/A UNTIL 1995 |
| EXTRA SPLASH GUARD MATERIAL | 0 | N/A UNTIL 1995 |
| BOSUN'S CHAIR | 1 | \$100 |
| <u>TOOL LIST:</u> | AS REQUIRED | \$300 |
| BRACE | | |
| SET OF BITS | | |
| SCREWDRIVER BITS FOR BRACE | | |
| PUSH DRILL WITH BITS | | |
| HAND DRILL WITH BITS | | |
| SET WOOD CHISELS | | |
| SQUARE | | |
| HAMMERS | | |
| HAND SAWS | | |
| TREE SAW | | |
| FOLDING RULER | | |
| TAPE RULERS, 25' | | |
| SURFORM BLOCK PLANES | | |
| LINEMAN PLIERS | | |
| LONG PLIERS | | |
| ADJUSTABLE PLIERS | | |
| MECHANIC PLIERS | | |
| SET SCREW DRIVERS | | |
| SOCKET SET 3/8 DRIVE | | |
| SET BOX WRENCHES | | |
| SET OPEN WRENCHES | | |
| ADJUSTABLE WRENCHES | | |
| VICE GRIPS | | |
| 6" C CLAMPS | | |
| WOODEN CLAMPS, #4 | | |
| 4" VICE | | |
| CONTOUR GAUGE | | |

XII. VESSEL DOCUMENTS (continued)

| ITEMS | QTY |
|-------|-----|
|-------|-----|

BACK UP NAVIGATION GEAR:
SEALED 5 GALLON BUCKET
ALMANAC
HD 249
TIMEPIECE
COMPASS
REGULAR CHARTS
GPS

XI. TOOLS (continued)

| ITEMS | QTY |
|--------------------------------|-----|
| SPOKE OR DRAW KNIVES | |
| BLOCK PLANE | |
| ROLLS ELECTRICAL TAPE | |
| CANS WD-40 | |
| SET WOOD FILES AND WOODS RASPS | |
| MARINE EPOXY FOR WOOD | |
| STRIPS OF INNER TUBE | |
| C-CLAMPS, OPENING 6" | |
| WOOD SCREWS, 1 1/2" | |
| WOOD SCREWS, 3" | |
| CAULKING, SILICONE | |
| CAULKING, UNDERWATER | |
| CAULKING GUN | |
| NON-SKID STRIPS | |



TELECOMMUNICATIONS COVER PAGE

PORT SUPPLY FAX: (800) 825-7678 (U.S.)
(408) 728-3014 (INTL.)

DATE: 7-15-93

FAX#: 808-531-7135

PLEASE DELIVER THE FOLLOWING PAGE(S) TO:

COMPANY: Polygesian Voyaging Society

ATTN: Chad Baigbargen - Good Morning!

SUBJECT: Quote on materials

FROM: Dave Morris

COMMENTS: Your account number is 419134. Here are the numbers. When you desire to order, Marshall Wallace on our order desk will process it for you. I will be out of the office until June 26. Good luck!

Number of pages including cover sheet: _____

If you do not receive all pages, please call (800) 621-6885 as soon as possible.

ATTN: JIM MILLER - 3 PAGES

POLYNESIAN VOYAGING SOCIETY

CONTACT: CHAD K. BAYBAYAN

PH.:

FAX

- A

ADDRESS

SOCIETY

PICK UP

HONOLULU, HI. 96817

| MODEL # | ITEM | QTY | SH WT | PRICE LIST | WHOLE SALE PRICE |
|---------|---|--------|----------|---------------|------------------------|
| 490912 | GARMIN #GPS 50-05 | 1 EA. | 5 | 1,195.00 | 669.5 |
| 452714 | STAND # WX230S - HANDHELD RADIO | 2 EA. | 4 | 499.00 | 229 |
| 469148 | STAND # CNB230 - SPARE RADIO BATT | 2 EA. | 2 | 85.00 | 68.00 |
| 410100 | WUHF # AQUASAFE - WATERPROOF CASE | 2 EA. | 1 | 29.95 | 13.99 |
| 112482 | 198 RT - ADULT TYPE I LIFESACKET | 24 EA. | 4 | 45.00 | 23.9 |
| 491068 | SOS # 4458 - SAFETY HARNERS | 10 EA. | 3 | 59.95 | 35.9 |
| 491050 | WHARN - 6 TETHER W/SNAP HOOKS (A-A) | 10 EA. | 1 | 40.00 | 30.00 |
| 105684 | CALJN #980 - YELLOW BUOY | 1 EA. | 4 | 59.95 | 35.9 |
| 267881 | JB - 0-30. 20" ORANGE TYPE II RING BUOY | 1 EA. | 25 | 58.95 | 35.3 |
| 317883 | FOR SP # 202018 - MOB POLE | 1 EA. | 25 | 132.55 | 79.53 |
| 1213140 | OMEGA # 920901-102 - THROW BAG HEAVY LINE | 1 EA. | 2 | 29.95 | 21.57 |
| 1533661 | ACR # MS-2000 - FIRE FLY 11 PERS. X2000 | 8 EA. | 2 | 77.75 | 46.65 |
| 1533752 | PAIRS # PW2400 - CLEAN KIT (OVER 50%) | 1 EA. | 3 | 546.00 | 311.23 |
| 1451484 | TEMPO # REF 12 - REGIUM CARTRIDGE | 2 EA. | 2 | 12.95 | 7.97 |
| 151476 | TEMPO # AR 12 - TEMPO AIR HORN | 2 EA. | 1 | 19.95 | 9.97 |
| 117291 | WHWAR # 7000 BR - STANDARD BRASS BELL | 1 EA. | 4 | 29.50 | 14.75 |

(2)

| MODEL # | ITEM | QTY. | SH WT. | PRICE LST | W/HO SALE PRICE |
|---------|--|----------------------|-----------|--------------|-----------------------|
| 6816 | JEI AFT # F094900 - FIRELL BLIPPER | 2 EA. | 6 | 139.95 | 95.9 |
| 383158 | AKR # RLB 14 - RLB 14 CLASS A EPINE | 1 EA. | 7 | 664.50 | 358.8 |
| 235150 | KIDDE # 899150 - 516, HOUNI 211 EXT. | 6 EA. | 10 | 132.25 | 59.5 |
| 171389 | KIDDE # 896697 - METAL MOUNTING BRACKET | 6 EA. | 1 | 7.65 | 894. |
| 452375 | HEALR 10299 - FIRST AID KIT | 1 EA. | 3 | 159.95 | 87.9 |
| 316042 | PLATH # 321 - DLX. NAV KIT | 1 EA. | 3 | 47.39 | 28.4 |
| 439968 | TRAD-40 - TRADITIONAL ANCHOR | 2 EA. | 40 | 159.00 | 94.50 |
| 176784 | CQR-60 - CQR ANCHOR | 1 EA. | 65 | 915.00 | 521.55 |
| 106476 | 4001 - 40602 - 3/8" PROOF COIL - 20' | 4 EA. (20' TOTAL) | 3 | 4.12 | 1.93 |
| 122796 | 172012 - GALVANIZED TIMBLES - 3/4" | 6 EA. | .5 | 2.45 | 1.47 |
| 135020 | 1147611 - SCREW PIN ANCHOR CHARLES TH | 12 EA. | 1 | 4.15 | 2.07 |
| 528661 | 181110 - 3/8" EYE AND EYE SWIVEL | 3 EA. | 1 | 9.65 | 5.79 |
| 528695 | 181119 - 3/4" EYE AND EYE SWIVEL | 1 EA. | 1 | 25.25 | 15.15 |
| 196907 | SEAGL FORM - MONEL SEIZING WIRE | 2 EA. | .5 | 11.65 | 9.51 |
| 122614 | 3/4" x 300' 5-STRAND CANADIAN | 4 EA. (20' TOTAL) | 18 | 1.22 | .61 |
| 285379 | 05282 - BRAIDED POLY-PRO - 3/8" x 4000' | 4,000' | 5 | .14 | .06 |
| 544197 | WHEM # LIA 84907 - LIQUID ROPE WINDER | 1 EA. | 1 | 5.95 | 2.97 |
| 254318 | 7PWC - WAXED WHIPPING THREAD | 2 EA. | .5 | 3.89 | 3.03 |
| 124859 | WHARL # DF-2 - DOLPHIN PID | 1 EA. | 1 | 9.15 | 5.49 |
| 161711 | 61149 - 18" WIDE RENDERS (DO YOU HAVE VIDEO FEEDBACK?) | 4 EA. | 8 | 55.95 | 30.37 |
| 319590 | 010103 - 81 TELESCOPING POLE | 1 EA. | 6 | 46.25 | 32.37 |
| 349563 | CMATG 2010141 - STAINLESS STEEL HOOK | 1 EA. | 2 | 22.95 | 13.77 |
| 123406 | BASDE # 2005 - COLLAPSIBLE 5 STEP LADDER | 1 EA. | 4 | 27.99 | 17.39 |
| 504969 | WEANV # WMP 2-1 - ROXND CHAIR | 1 EA. | 8 | 119.00 | 79.90 |
| 136200 | WMP # 15-319R - SEWING KIT | 1 EA. | 2 | 82.64 | 21.57 |
| 194076 | FULTN # 53-P-SK - BOW LIGHT | 2 EA. | 1 | 16.45 | 9.87 |
| 194084 | FULTN # 50-P-SK - STEAM LIGHT | 1 EA. | 1 | 16.45 | 9.87 |
| 413963 | WHALE # BP 3000 - GUSHER 30 | 4 EA. | 14 | 382.50 | 267.75 |

P. 3/4

JUL 15 '93 11:00AM PORT SUPPLY

| MODEL # | ITEM | QTY | SH WT | WGT PRICE | WHOLE SALE PRICE |
|--|---|------|----------|--------------|------------------------|
| 182337 | WHALE # MSB A 4402 | 1 | 5 | 110.00 | 73.76 |
| 10375 | SHLD 140-1126 VAL STANDARD BILLS 11005 | 60' | .5 | 3.44 | 1.70 |
| 110848 | 1 1/2" - 2" STEEL NOSE CLAMP | 1200 | | 1.34 | .67 |
| 123655 | SHLD 142-1120 CUFFS | 1000 | .5 | 2.44 | 1.72 |
| <p>QUESTIONS: DO YOU HAVE:</p> <p>① 3/4" X 1800' BRAIDED POLY-PRO ?</p> <p>② TAYLOR TUFF END WIDE DIAMETER ROUND FENDERS LARGER THAN 18" ?</p> | | | | | |

POLYNESIAN VOYAGING SOCIETY

Pier 36, Honolulu, HI 96817

September 29, 1993

Vessel Documentation
U.S. Coast Guard
1519 Alaskan Way S.
Seattle, WA 98134-1192

Dear Sirs:

Enclosed is the:

1. Builder's Certificate
2. Certificate of Marking

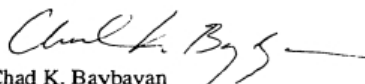
The information necessary to complete the Builder's Certificate has been added. Apparently an error was made on the Certificate of Documentation application which has affected our Certificate of Marking application.

Under item H, endorsements, for the Certificate of Marking application we errantly marked coastwise and registry. The vessel, Hawai'iloa, for which this documentation number is sought is an archaeological replica of an early Polynesian voyaging canoe. In 1995, it will be sailed on a one-way voyage from the Marquesas to Hawai'i. Upon completion of this trip the canoe will become a permanent display piece at the Bishop Museum. Since this is neither a commercial venture nor is it recreational in nature we are unsure what endorsement should be marked. Your assistance in answering this question would be most appreciated. If a new application is warranted, please forward it to the following address:

Polynesian Voyaging Society
Pier 36
Honolulu, HI 96817

Thank you for your time and assistance.

Sincerely,



Chad K. Baybayan
Program Assistant

CKB:jam



**BUILDER'S CERTIFICATION
AND FIRST TRANSFER OF TITLE**

OMB APPROVED
2115-0110

I. PHASE OF CONSTRUCTION COVERED BY THIS CERTIFICATE

- ☒ ENTIRE CONSTRUCTION
☐ HULL ONLY
☐ COMPLETION ONLY (HULL BUILT BY ANOTHER)

YEAR PHASE OF CONSTRUCTION _____
YEAR COMPLETED 1993

II. VESSEL DATA

A. HULL IDENTIFICATION NUMBER OR HULL NUMBER 995563

D. PLACE OF BUILD (CITY, STATE, COUNTRY) _____

B. VESSEL NAME (IF KNOWN) HAWAII LOA

HONOLULU, HI

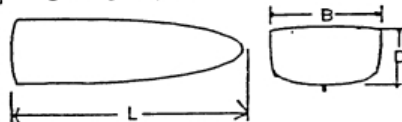
C. EQUIPPED WITH ENGINE?
☐ YES ☒ NO OUTBOARD ☐ YES ☒ NO

E. HULL MATERIAL:

- ☒ WOOD ☐ STEEL ☐ FIBROUS REINFORCED PLASTIC
☐ ALUMINUM ☐ CONCRETE ☐ OTHER

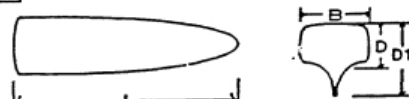
**III. DIMENSIONS
(COMPLETE APPROPRIATE DIAGRAM)**

☐ SHIP-SHAPE HULL



L= _____ B= _____ D= _____

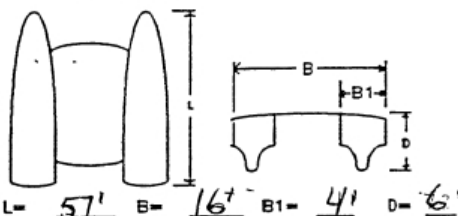
☐ SAILBOAT



D1 only if actual hull depth (D) cannot be determined

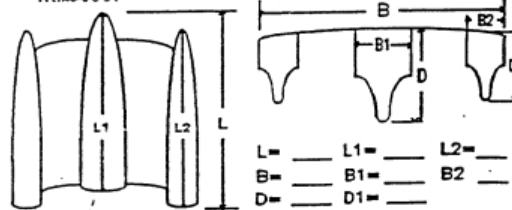
L= _____ B= _____ D= _____ D1= _____

☒ CATAMARAN



L= 57' B= 16' B1= 4' D= 6'

☐ TRIMARAN



L= _____ L1= _____ L2= _____
B= _____ B1= _____ B2= _____
D= _____ D1= _____

☐ BARGE-SHAPED HULLS



L= _____ B= _____ D= _____

☐ DECKHOUSES

Houseboats only



(AVERAGE DECKHOUSE
DIMENSIONS MUST BE
FURNISHED IN ADDITION
TO HULL DIMENSIONS)


L= _____ B= _____ D= _____

IV. UNITED STATES BUILD STATEMENT

- ☒ ALL MAJOR COMPONENTS USED IN THE PHASE OF CONSTRUCTION COVERED BY THIS CERTIFICATE WERE FABRICATED IN THE UNITED STATES.
☒ ALL CONSTRUCTION AND ALL ASSEMBLY FOR THIS PHASE OF CONSTRUCTION WERE DONE IN THE UNITED STATES.

| | |
|--|--|
| <p align="center">V. NAME(S) AND ADDRESS(ES) OF PARTY(IES) FOR WHOM BUILT</p> <p><u>Bishop Museum</u> <u>40 Polynesian Voyaging Society</u> <u>Pier 36, Honolulu, HI 96817</u></p> | |
| <p><small>IF BUILT FOR MORE THAN ONE PERSON, THE PERSONS NAMES ABOVE ARE TENANTS IN COMMON, EACH OWNING AN EQUAL UNDIVIDED INTEREST, UNLESS OTHERWISE INDICATED HEREIN. CHECK ONLY ONE OF THE FOLLOWING BLOCKS TO SHOW ANOTHER FORM OF OWNERSHIP.</small></p> <p> <input type="checkbox"/> JOINT TENANCY WITH RIGHT OF SURVIVORSHIP <input type="checkbox"/> TENANCY BY THE ENTIRETIES <input type="checkbox"/> COMMUNITY PROPERTY <input checked="" type="checkbox"/> OTHER (DESCRIBE) <u>Non Profit Corporation</u> </p> | |
| <p align="center">VI. CERTIFICATION</p> <p><u>Wright E. Bowman Jr.</u> DO HEREBY CERTIFY THAT THE FACTS RECITED HEREIN ARE TRUE AND THAT I HAVE PERSONAL KNOWLEDGE OF THESE FACTS BECAUSE I:</p> <p>OR <input type="checkbox"/> PERSONALLY PERFORMED THE CONSTRUCTION</p> <p><input checked="" type="checkbox"/> SUPERVISED THE CONSTRUCTION AT AND ON BEHALF OF: <u>Wright E. Bowman, Jr.</u> (NAME OF COMPANY)</p> <p><input checked="" type="checkbox"/> ACTING IN MY CAPACITY AS <u>owner</u> (TITLE) OF <u>Wright E Bowman Jr.</u> (NAME OF COMPANY)</p> <p><small>NOTE: THIS CERTIFICATE MUST NOT BE COMPLETED BY AN IMPORTER OR AN IMPORTER'S AGENT.</small></p> <p align="center"> <u>Wright E Bowman Jr</u> <u>8-3-93</u> SIGNATURE DATE </p> | |
| <p align="center">VII. FIRST SALE OR TRANSFER OF VESSEL</p> <p>100% OF THE VESSEL IDENTIFIED HEREIN IS SOLD (TRANSFERRED) BY THE PARTY(IES) NAMED IN SECTION V TO THE FOLLOWING PERSON(S) (NAMES AND ADDRESSES)</p> <p><small>IF SOLD (TRANSFERRED) TO MORE THAN ONE PERSON, THE PURCHASER(S) (TRANSFERREE(S)) ARE TENANTS IN COMMON, EACH OWNING AN EQUAL UNDIVIDED INTEREST, UNLESS OTHERWISE INDICATED HEREIN. CHECK ONLY ONE OF THE FOLLOWING BLOCKS TO SHOW ANOTHER FORM OF OWNERSHIP.</small></p> <p> <input type="checkbox"/> JOINT TENANCY WITH RIGHT OF SURVIVORSHIP <input type="checkbox"/> TENANCY BY THE ENTIRETIES <input type="checkbox"/> COMMUNITY PROPERTY <input type="checkbox"/> OTHER (DESCRIBE) </p> | |
| <p>VIII. SIGNATURE OF SELLER(S) (TRANSFEROR(S)) OR PERSONS SIGNING ON BEHALF OF SELLER(S) (TRANSFEROR(S)):</p> <p align="right">DATE SIGNED:</p> | |
| <p>IX. NAME(S) OF PERSON(S) SIGNING ABOVE, AND LEGAL CAPACITY IN WHICH SIGNED (E.G., OWNER, AGENT, TRUSTEE, EXECUTOR)</p> | |
| <p>X. ACKNOWLEDGMENT (TO BE COMPLETED BY NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED BY A LAW OF A STATE OR THE UNITED STATES TO TAKE OATHS.)</p> <p>ON _____ (DATE) THE PERSON(S) NAMED IN _____ STATE: _____</p> <p>SECTION IX ABOVE ACKNOWLEDGED EXECUTION OF THE FOREGOING INSTRUMENT IN THEIR STATED CAPACITY(IES) FOR THE PURPOSES THEREIN CONTAINED. COUNTY: _____</p> <p align="right">_____ <small>NOTARY PUBLIC MY COMMISSION EXPIRES.</small></p> | |
| <p align="center">PRIVACY ACT STATEMENT</p> <p><small>IN ACCORDANCE WITH 5 USC 552(A), THE FOLLOWING INFORMATION IS PROVIDED TO YOU WHEN SUPPLYING PERSONAL INFORMATION TO THE U.S. COAST GUARD.</small></p> <p>1. <u>AUTHORITY</u>. SOLICITATION OF THIS INFORMATION IS AUTHORIZED BY 46 USC, CHAPTER 313 AND 46 CFR, PART 67.</p> <p>2. <u>THE PRINCIPAL PURPOSES</u> FOR WHICH THIS INSTRUMENT IS TO BE USED ARE:</p> <p>(A) TO PROVIDE A RECORD, AVAILABLE FOR PUBLIC INSPECTION AND COPYING, OF THE SALE OR OTHER CHANGE IN OWNERSHIP OF A VESSEL WHICH IS DOCUMENTED, WILL BE DOCUMENTED, OR HAS BEEN DOCUMENTED PURSUANT TO 46 USC, CHAPTER 121.</p> <p>(B) PLACEMENT OF THIS INSTRUMENT IN A BOOK FOR EXAMINATION BY GOVERNMENTAL AUTHORITIES AND MEMBERS OF THE GENERAL PUBLIC.</p> <p>3. <u>THE ROUTINE USE</u> WHICH MAY BE MADE OF THIS INFORMATION INCLUDES DEVELOPMENT OF STATISTICAL DATA CONCERNING DOCUMENTED VESSELS.</p> <p>4. <u>DISCLOSURE OF THE INFORMATION</u> REQUESTED ON THIS FORM IS VOLUNTARY. HOWEVER, FAILURE TO PROVIDE THE INFORMATION COULD PRECLUDE FILING OF A BILL OF SALE AND DOCUMENTATION OF THE VESSEL NAMED HEREIN PURSUANT TO 46 USC, CHAPTER 121. MOREOVER, BILLS OF SALE WHICH ARE NOT FILED ARE NOT DEEMED TO BE VALID AGAINST ANY PERSON EXCEPT THE GRANTOR OR A PERSON HAVING ACTUAL KNOWLEDGE OF THE SALE. (46 USC 31321(A)).</p> <p><small>THE COAST GUARD ESTIMATES THAT THE AVERAGE BURDEN FOR THIS FORM IS 30 MINUTES. YOU MAY SUBMIT ANY COMMENTS CONCERNING THE ACCURACY OF THIS BURDEN ESTIMATE OR MAKE SUGGESTIONS FOR REDUCING THE BURDEN TO: COMMANDANT (G-MV), U.S. COAST GUARD, WASHINGTON, DC 20593-0001 OR OFFICE OF MANAGEMENT AND BUDGET, OFFICE OF INFORMATION AND REGULATORY AFFAIRS, ATTENTION DESK OFFICER FOR DOTUSCG, OLD EXECUTIVE OFFICE BUILDING, WASHINGTON, DC 20503.</small></p> | |

DO NOT COMPLETE THIS FORM UNTIL YOU HAVE ACTUALLY ASCERTAINED THAT MARKINGS ARE AS SHOWN BELOW

| | | |
|---|------------------------------|---------------------------|
| DEPARTMENT OF TRANSPORTATION U.S. COAST GUARD CG-1322 (Rev. 12-83) | CERTIFICATE OF MARKING | OMB APPROVED 2115-0110 |
| INSTRUCTIONS | | |
| 1. Show vessel name exactly as marked on vessel. 2. Show official number exactly as marked in vessel. 3. Show city and state exactly as marked on vessel (Note: The hailing port of the vessel is the port of documentation or the city and state of the owner's address. — No other hailing port is acceptable.) 4. Section A must be checked in all cases to indicate that the official number is marked. Complete ONLY the appropriate blocks in section B. | | |
| 1. VESSEL NAME HAWAII LOA | 2. OFFICIAL NUMBER 995563 | |
| 3. HAILING PORT HONOLULU, HI | | |
| 4. MARKING CERTIFICATION (Check appropriate box(es)) A. ALL VESSELS. <input checked="" type="checkbox"/> I certify that the official number of the vessel preceded by the abbreviation "No." has been permanently marked in block-type arabic numerals not less than three (3) inches in height on some clearly visible interior part of the hull and that the number cannot be obliterated or obscured. B. Check whichever of the following are applicable: 1. <input type="checkbox"/> PLEASURE VESSEL: I further certify that the above-named vessel is documented exclusively for pleasure and that its name and hailing port are marked together in clearly legible and durable letters not less than four (4) inches in height on a clearly visible exterior part of the hull. 2. COMMERCIAL VESSEL: (Select one bow and one stern marking description.) (a) BOW MARKINGS: <input type="checkbox"/> I further certify that the name of this vessel has been marked in clearly legible and durable letters not less than four (4) inches in height on some clearly visible exterior part of its port and starboard bows. OR <input type="checkbox"/> The vessel name has been marked in clearly legible and durable letters not less than four (4) inches in height on clearly visible exterior parts adjacent to the port and starboard bows in order to avoid obliteration. (b) STERN MARKINGS: <input type="checkbox"/> The name and hailing port have been marked in clearly legible and durable letters not less than four (4) inches in height on some clearly visible exterior part of its stern. OR <input type="checkbox"/> The name and hailing port have been marked in clearly legible and durable letters not less than four (4) inches in height on a clearly visible part adjacent to the stern in order to avoid obliteration. | | |
| SIGNATURE  | | DATE 9/7/93 |

| PARTS | MARCH 25, 1993 WEIGHT | % or #LBS REMOVED | TOTAL # LBS. REMOVED | ESTIMATED WEIGHT 2ND SEA TRIALS | # of PIECES/ AVERAGE WEIGHT | # of PIECES ELIMINATED |
|------------------------|--------------------------|-----------------------------|-------------------------|------------------------------------|--------------------------------|---------------------------|
| 3) Posts and Rails | | | | | | |
| a) Posts | 120 | | 0 | 120 | 12/10 | |
| b) Navigation platform | 0 | | 200 | 200 | 4/50 | |
| c) Side rails | 60 | | 0 | 60 | 2/30 | |
| d) Back rail | 40 | | 0 | 40 | 2/20 | |
| e) Back spreaders | N/A | | | | | |
| f) Net rails | 0 | | | | | |
| TOTAL | 220 | | 200 | 420 | | |
| 4) Rigging | | | | | | |
| a) Masts | 338 | 0 | 0 | 338 | 2/169 | |
| b) Spars | 376 | 0 | 0 | 376 | 2/188 | |
| c) Booms | 160 | 0 | 0 | 160 | 2/80 | |
| d) Donuts & line | 500 | 0.25 | -125 | 350 | | |
| e) Sails | 100 | 400 | 400 | 500 | 2/50 | |
| TOTAL | 1,474 | | 275 | 1,724 | | |
| 5) Sleeping Quarters | 0 | 100 | 100 | 100 | 1/1 | |
| Crew | | | | | | |
| 1) Persons | 1,925 | | | 1,925 | 11/175 | |
| 2) Personal Gear | 0 | | | 275 | 11/25 | |
| TOTAL | 1,925 | | | 2,200 | | 200/per |
| Water | 1,538 | 24 dy x 8 gal/dy = 192 | | 1,296 | 192/6.75 | 119/per |
| Food | 0 | 24 dy x 11 x 5 #/dy = 1,320 | | 1,320 | | 120/per |
| Equipment | 300 | | | 500 | | |

Hawailoa Weights

| | | | | | | | AT VOYAGE |
|------------------------|-------------------|-----|----------------------------------|----------------|------------------|--------------------|---------------------|
| PARTS | 7/12/94 WEIGHT | ADD | ADDED CONSTRUCTION | LOAD WEIGHT | LOADED WEIGHT | SUBTRACT WEIGHT | NET GROSS WEIGHT |
| A) Hulls | | | Note: Aug. 1994 sea trials wt. | | | 80 | |
| 1) Wae | ok | | State weigh-in 7/12/94 = 14,720# | | | | |
| 2) Iako | ok | | | | | 15 | |
| 3) Gunwales | ok | | | | | | |
| 4) Manu | ok | | Note: | Light Wt. | Load Wt. | Loaded Wt. | |
| 5) Lashing | ok | 20 | 3/25/93 | 23,021 | 5,899 | 28,920 | |
| 6) Caulking | ok | 20 | 7/18/94 | 17,122 | 5,899 | 23,021 | |
| 7) Back manu spreader | ok | | | 5,899 | | | |
| 8) Front manu spreader | ok | | | | | | |
| Total | | 40 | | | | | |
| B) Other Canoe Parts | | | | | | | |
| 1) Decking | ok | | | | | | |
| a) Iako Caps | n/a | | | | | | |
| b) Pali Wae | ok | | | | | 10 | |
| c) Center Rib | ok | | | | | | |
| d) Decking | ok | | | | | | |
| e) Catwalk | ok | 50 | | | | | |
| f) Mast Step | ok | | | | | 10 | |
| g) Netting | | 20 | | | | | |
| h) Miscellaneous | | 50 | sweep supports, koa bow spacer | | | | |
| Total | | 120 | | | | | |
| 2) Sweeps | | | | | | | |
| a) Port | | 107 | | | | 15 | |
| b) Center | | 122 | | | | | |
| c) Starboard | | 92 | | | | 10 | |
| d) Extra Center | | 122 | | | | 122 | |
| Total | | 443 | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Hawaii Loa Weights

| | 7/12/94 | | ADDED | LOAD | LOADED | SUBTRACT | AT VOYAGE |
|--|---|---------|----------------------|--------|-------------------------------------|----------|------------------|
| PARTS | WEIGHT | ADD | CONSTRUCTION | WEIGHT | WEIGHT | WEIGHT | NET GROSS WEIGHT |
| B) Other Canoe Parts | | | | | | | |
| 3) Posts and Rails | | | | | | | |
| a) Posts | OK | | | | | | |
| b) Navigation Platform | posts & rails | | 100 | | | | |
| c) Side Rails | ok | | | | | | |
| d) Back Rails | ok | | | | | | |
| e) Back Spreaders | ok | | | | | | |
| f) Net Rails | ok | | | | | | |
| g) Hull decking, bracing, covers, etc. | | | 300 | | | | |
| Total | | | | | | | |
| 4) Rigging | | | | | | | |
| a) Masts | | 338 | | | | | |
| b) Spars | | 376 | | | | | |
| c) Booms | | 160 | | | | | |
| d) Donuts and Line | | 110 | | | | 22 | |
| e) Sails | | 100 | | | | | |
| f) Total Rigging | | 315 | 70#/roll x 4.5 rolls | | | 63 | |
| Total | | 1,399 | | | | | |
| 5) Sleeping Quarters | | | | | | | |
| Crew | | | | | | | |
| Persons - 11 x185# | | | | 2,035 | Note: 400# const. wt. + 5,528# load | | |
| Personal Gear - 11 x 25# | | | | 275 | = 5,928#, load for sea trials | | |
| Water - 6.75 x 211.2 gal. | .8 gal/day x 24 days x11 per x 6.75#/gal. | | | 1,426 | | | |
| Food | 3.0#/day x 24 day x 11 per | | | 792 | | | |
| Equipment (w/extra sails) | | | need to itemize | 1,000 | | | |
| Total | | | | 5,528 | | | |
| SUB-TOTAL | +14,720# | +2,002# | +400# | | | | |
| GRAND TOTAL | | | | | | | 22,148 |

SEA ENGINEERING, INC.
 Makai Research Pier
 WAIMANALO, HAWAII 96795
 (808) 259-7966

JOB _____
 SHEET NO. _____ OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE _____

Cal Check: 1635

| RUN | CONFIG | RPM | START | STOP | DIST | LOAD |
|-----|---------|----------------|-------|------|------|--|
| 1 | S-LEVEL | 800 (3 kts) | 4:44 | | A-B | 75-81- 80-75- 84-80- 88-89 81-75 83-82 75-72 79-82- 80-67 74-71 69-76 78-80 |

| | | | | | | |
|---|-------------------|--|--|--|--|---|
| 2 | S-Level | | | | | 187, 160, 213, 160, 168, 208, 197, 206, 194, 253, 227, 191, 201, 195, 170, 210 |
| | DIST: B-A | | | | | |
| | TIME: 2:44 | | | | | |
| | RPM: 1600 (5 kts) | | | | | |
| | SPD: | | | | | |

| | | | | | | |
|---|-------------------|--|--|--|--|---|
| 3 | S-LEVEL | | | | | 377, 300, 322, 300, 295 269, 310, 316, 306, 313 306, 306, 296, 299, 300 301, 315, 327, 314, 307 289, 307, 328, 333, 284 |
| | DIST A-B | | | | | |
| | RPM: 2400 (7 kts) | | | | | |
| | TIME: 2:07 | | | | | |

RPM ON STARBORD
 SIDE NOT QUITE
 RIGHT - SCREENING
 UP

SEA ENGINEERING, INC.

Makai Research Pier
WAIMANALO, HAWAII 96795
(808) 259-7966

JOB _____
SHEET NO. _____ OF _____
CALCULATED BY _____ DATE _____
CHECKED BY _____ DATE _____
SCALE _____

4 STERN
S-LEVEL
DIST B-A
RPM 3000 2800
TIME 1:41

535, 530, 529, 553, 519
547, 529, 532, 507, 530,
538, 534, 530, 540, 546,
527, 576, 574, 520, 536

5 S-Bow +7"
DIST A-B
RPM 800
TIME 4:47

59, 70, 53, 77, 75, 74, 68,
67, 69, 73, 70, 67, 55, 56
84, 76, 59, 78, 61, 93, 73
53, 83, 59, 96, 53, 80,
80, 64, 55, 98, 70, 74, 77,
71, 76, 68, 57, 60

6 S-Bow +7"
DIST B-A
RPM 1600
TIME 2:30

154, 206, 186, 217, 184, 208
154, 187, 168, 170, 153, 208
212, 198, 173, 146, 175, 206
218, 171, 243, 178, 216, 159
215, 194, 181, 187,

7 S-B +7"
DIST A-B
RPM 2400
TIME 1:52

457, 440, 476, 458, 444
455, 452, 402, 440, 429
459, 459, 443, 456, 474
425, 447, 458, 446, 448
409, 440

8 S-B +7"
DIST B-A B-A
RPM 2800
TIME 1:20

777, 822, 833, 897, 895
861, 864, 913, 857, 864
930, 932, 853, 906, 890

SEA ENGINEERING, INC.
 Makai Research Pier
 WAIMANALO, HAWAII 96795
 (808) 259-7966

JOB _____
 SHEET NO. _____ OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE _____

9 Bow - LEVEL
 DIST ÷ A - B
 RPM 800
 TIME 5:08

66, 80, 84, 97, 56, 88, 68,
 65, 46, 76, 67, 64, 50, 67,
 75, 66, 85, 82, 101, 76, 83,
 69, 68, 102, 46, 95, 67,
 69, 93, 50, 70, 83

10 B - Level
 DIST B - A
 RPM 1600
 TIME 2:29

182, 242, 248, 189, 204,
 258, 194, 238, 207, 239,
 229, 188, 243, 200, 220,
 223, 231, 246, 225,
 220, 237, 214, 244, 209,
 228, 232, 220, 212, 216,

11 B - Level
 DIST B - A
 RPM 2400
 TIME 1:44

455, 398, 391, 404, 411,
 438, 399, 408, 408, 405,
 406, 381, 412, 400, 410,
 389, 412, 380, 405, 406,
 402

SEA ENGINEERING, INC.

Makai Research Pier
WAIMANALO, HAWAII 96795
(808) 259-7966

JOB _____

SHEET NO. _____ OF _____

CALCULATED BY _____ DATE _____

CHECKED BY _____ DATE _____

SCALE _____

12 B - + 7"
DIST A-B
RPM 800
TIME 5:18

74, 73, 82, 105, 91, 78, 93
76, 85, 62, 73, 72, 82, 71
67, 65, 77, 62, 70, 74, 83
60, 87, 90, 70, 78, 89, 84
66, 79, 84, 64, 70

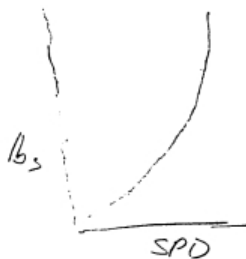
13 B - + 7"
DIST B-A
RPM 1600
TIME 2:27

219, 197, 181, 207, 222,
193, 185, 184, 204, 179,
185, 209, 161, 214, 188, 201
187, 195, 194, 183, 196, 168
189, 181, 213, 197, 211, 212
200

14 B - + 7"
DIST A-B
RPM 2400
TIME 1:56

568, 463, 456, 404, 430,
481, 474, 523, 571, 484
507, 489, 502, 459, 486
474, 478, 442, 377, 409
423, 456

NOTE: 1.5 lbs / COUNT



U.S. Department
of Transportation
United States
Coast Guard



Vessel Documentation 1519 Alaskan Way S.
U.S. Coast Guard Seattle, WA 98134
MSO Puget Sound (206) 286-5500

16713
16 September 1993

Bishop Museum
c/o Polynesian Voyaging Society
Pier 36
Honolulu, HI 96817

Re: HAWAII LOA
Official Number: 995563

Gentlemen:

We have reviewed the item(s) forwarded to our office, however, before proceeding further information and/or corrections are required:

1. The Builder's Certification is returned for clarification in Section II.C. Although the certificate indicates that the vessel does not have an outboard, it fails to indicate whether or not it is equipped with an engine.
2. The Certificate of Marking is returned for completion in Section 4.B.2.(a) and (b).

If the corrections or additional items are not received within 90 days of this notice, any instruments filed will be returned without recording and applications will be filed without action.

The 90 day notice is to give you an opportunity to submit a proper instrument in order to retain the original filing date and time.

If you have any questions whatsoever, please do not hesitate to write or call us. Please return a copy of this letter with your response.

Sincerely,

A handwritten signature in cursive script, appearing to read "Marilee Meyer".

MARILEE MEYER
Vessel Documentation Officer
By direction, Commanding Officer,
MSO Puget Sound, Seattle, WA

Encl: (1) Builder's Certification
(2) Certificate of Marking

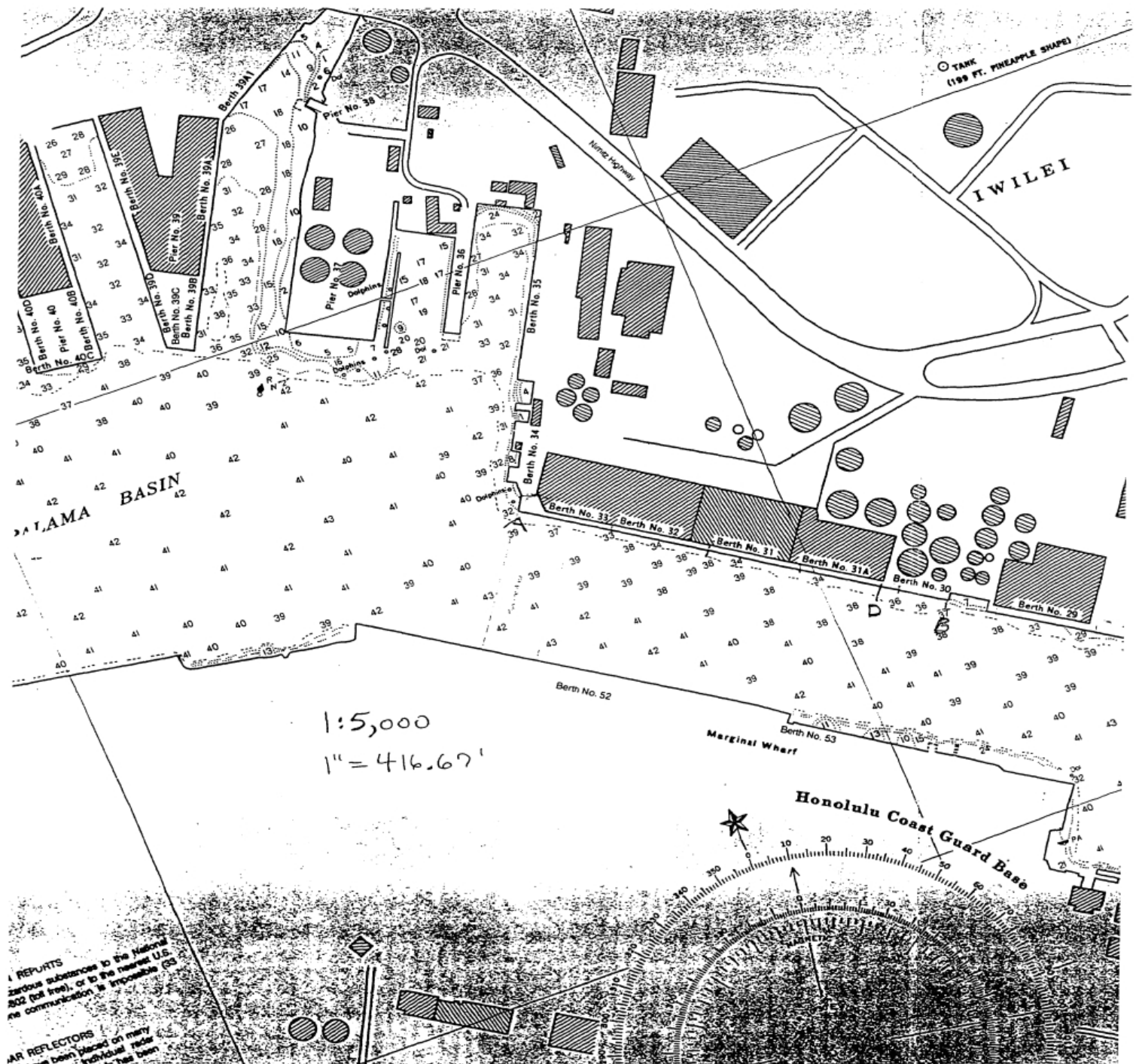
Aug

- Empty - Jugs - 46
- App - 20 to STD -
- Time - Rate L. 10 ~~gal~~ - Jugs
- Fill till full 160 4 $\frac{2}{5}$
- 54
106 → Jugs -
50 -
50 -

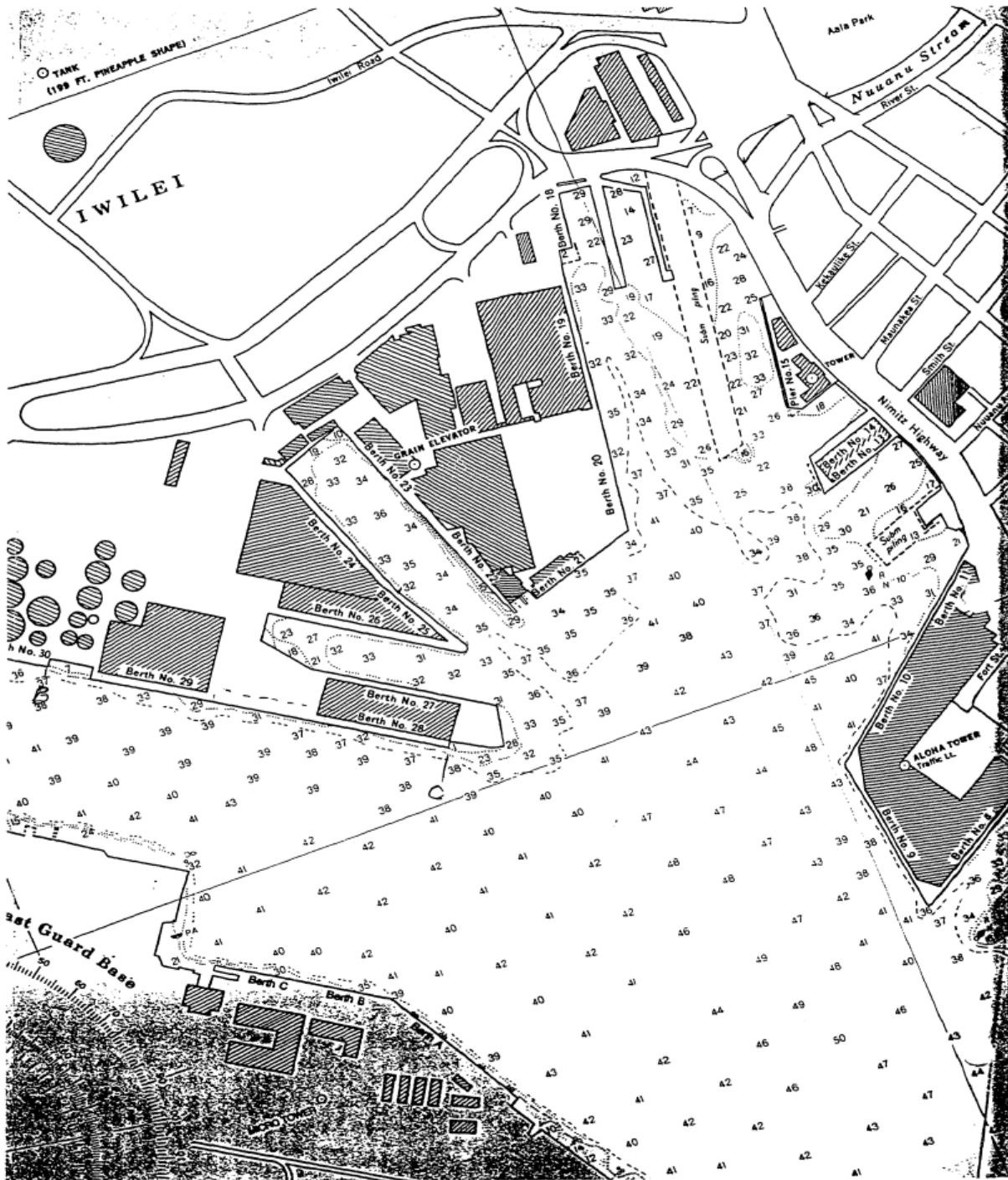
TOW →

- ① unattached wood Hys line
 - ② 23" (P) 16" h ft (Back end
(Round) see Jan -
- Now Reel - in 7" high on ^{pass} the stern

1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets. The second step is to analyze the data. The third step is to develop a plan. The fourth step is to implement the plan. The fifth step is to evaluate the results.



DOCUMENTS CAPTURED AS RECEIVED



Hawaiiloa Observations Notes

| PARTS | REQUIRED WORK TO BE COMPLETED | |
|------------------------|---|--|
| A) Hulls | Cracks - port side, inboard. | |
| | Foaming? Check buoyancy calculations | |
| | Take off more weight? | |
| 1) Wae | Check cracks, shifting? | |
| 2) Iako | Fractures? Check center of canoe | |
| 3) Gunwales | Check for cracks/look at joints, especially under catwalks. | |
| 4) Manu | Forward starboard manu has crack which has widened | |
| 5) Lashing | Chafing on forward stays? Check all for weakness, stretching, etc. | |
| | Make wider spacers for spreaders all the way across flat portion | |
| | Check caulking line all around chafing on stays | |
| | Brace underneath manu more permanently | |
| | Caulk lashing holes. | |
| 6) Caulking | Check all | |
| 7) Back manu spreader | Lash top back rail to bottom spreader - ease load on manus | |
| 8) Front manu spreader | Blocks | |
| | | |
| B) Other Canoe Parts | | |
| 1) Decking | Shim the small cracks against gunwales. Build hau decking over #1, #2 and #6 holes | |
| a) Iako Caps | | |
| b) Pali Wae | Re-cut portion over manus - get rid of gap on underside, make pali wae rest on deck not on manu | |
| | Make lip, bow side to repel water | |
| c) Center Rib | Visual check | |
| d) Decking | | |
| e) Catwalk | Notch iakos to prevent stays from falling off - design lashes so they don't separate | |
| | Keep catwalks in-board | |
| f) Mast Step | Modify front so when spar and boom are lowered it goes outboard | |
| g) Netting | Make net and bathroom for back | |
| h) Miscellaneous | Make sleeping/showers/solar/electrical, radio and galley boxes | |
| | | |

Hawaiiloa Observations Notes

| PARTS | REQUIRED WORK TO BE COMPLETED | | |
|------------------------|---|--|--|
| 2) Sweeps | | | |
| a) Side | Reinforce hull with brace where sweeps hit. Re-shape sweep with less curve to lessen drag/turbulence? | | |
| b) Center | | | |
| c) Doubles | Re-test | | |
| 3) Posts and Rails | Check and replace ones with cracks | | |
| a) Posts | | | |
| b) Navigation Platform | Design to accomodate future spray cover | | |
| c) Side Rails | Design | | |
| d) Back Rails | | | |
| e) Back Spreaders | | | |
| f) Net Rails | | | |
| 4) Rigging | | | |
| a) Masts | | | |
| b) Spars | | | |
| c) Booms | Change bridles for sheets front and back | | |
| d) Donuts and Line | Shorten donuts so hole is at rail height | | |
| e) Sails | Re-design all sails for upcoming voyage. Inventory canvas and lauhala | | |
| f) Total Rigging | | | |
| 5) Sleeping Quarters | Design | | |
| Crew | Design storage space for gear/water/food. Re-do manifest | | |
| Water | Loaded weight vs. space | | |
| Food | | | |
| Equipment | | | |

MANIFEST

| <u>ITEM</u> | <u>WEIGHT</u> |
|---|---------------------|
| 1. Air Mattresses blue (7) purple (2) | 63 12 |
| 2. Tarps: sm (2) lg (1) > | 7.5 |
| 3. Blue Container: utensils (1) pots/pans | 30 |
| 4. Cooler #16 (1) fire extinguishers 1 sm first aid kit 2 signal kits 1 lg first aid kit 2 heavy balls | 40 |
| 5. Cooler #14 (1) 25 glow sticks 1 pull stroke 3 pipe caps 8 harnesses 1 roll duct tape 1 cargo net 4 VHF Radios w 4 spare batteries + stern | 38 lbs |
| 6. Cooler #1 (1) 4 flashlights 2 box batteries 1 bag light bulbs 6 handheld strobe 1 air horn 1 throw rope 1 pliers 1 roll duct tape | 32.5 |
| 7. life vests (24) | 27 |
| 8. bilge pumps lg (22 lbs) (2) sm (12 lbs) (2) | 44 24 |

$\underline{\underline{Fui}} \rightarrow \overset{\leftarrow \text{PM} \rightarrow}{\underline{\underline{4:00}}} - \frac{\text{Count}}{\text{pin}} \text{ Count.}$
 $\text{Side - Ringel @ } \underline{\underline{5:00}} -$

4 gey.

3/8
 1 395
 1 195

| ITEM | WEIGHT |
|--|---|
| 9. life preserver (1) | 7 |
| 10. water pump (1) | 1 |
| 11. ladder (1) | 3.5 |
| 12. water jugs (full) - personal (16) - large (31) | 48 80 324 48 1375 |
| 13. 1 crate cleaning supplies sponges sea soap detergent | 17 |
| 14. Plow anchor + rope + chain | 100 |
| 15. Dragrope anchor + rope + chain | 80 |
| 16. 1 grill | |
| 17. toilet paper, box (1) | 8 lbs. |
| 18. box, salmon 204 (1) | |
| 19. box, miso soup (1) | |
| 20. Crackers, pail (2) | 10 lbs. |
| 21. Cooler # 12 Hwn salt tuna (8) turkey (7) spam (6) canned beef (6) assorted spices | |
| 22. coffee, tea, cocoa, sugar, onions boxes (3) | 20 lbs. |

| | |
|------------------------------------|---------|
| 23. Sweet Bread (#4) | 17 lbs |
| 24. 1 SPARE SAIL (24) | 30 pds |
| 25 misc canned goods | 60 pds. |
| 26. 2 3 boxes oranges - | 42 pds |
| 27. apples / bananas | 49 pds |
| 28. Disinfectant . | 8 pds |

PERSONAL GEAR

| | <u>GEN 2 WT</u> | <u>BOOY WT</u> |
|-------------|-----------------|----------------|
| Keahi Oniks | 26 lbs | 165 lbs |
| Onahi | 30 lbs | 260 |
| Naku | >40 lbs | 155 |
| Wyatt. | | 167. |
| Russel. | 25 | 185 |
| Keahi Ho | 21 | 195 |
| Kacu | >40 | 170 |
| Palani | | 210 |
| Jr. | 16 | 170 |
| Namoa | | 155 |
| Kalepa | 33 | 190 |
| Garry | 17 | 180 |

4467 lbs
197
4664

HAWAIILOA SAIL LOG

Date: 16 SEPT 74

Time: _____

Route: HNL - MOAKALUA

Crew Names:

| | Wt: | GEAR | Wt: |
|------------------------------------|--------------|-------------|-----|
| 1) <u>KIKI ADAMS</u> | <u>165</u> # | <u>24</u> # | |
| 2) <u>EUGENE KAWALO</u> | <u>170</u> # | <u>25</u> # | |
| 3) <u>CAT FULLER</u> | <u>165</u> # | <u>4</u> # | |
| 4) <u>GEORGE KAWALO</u> | <u>245</u> # | <u>29</u> # | |
| 5) <u>JEN</u> | <u>130</u> # | <u>7</u> # | |
| 6) <u>JAR</u> | <u>105</u> # | <u>12</u> # | |
| 7) <u>SARK</u> | <u>175</u> # | <u>10</u> # | |
| 8) <u>KATHRYN BENDER</u> | <u>135</u> # | <u>15</u> # | |
| 9) <u>CINDY</u> | <u>130</u> # | <u>16</u> # | |
| 10) <u>DANA</u> | <u>130</u> # | <u>19</u> # | |
| 11) <u>JR</u> | <u>175</u> # | <u>12</u> # | |
| 12) <u>SHAWN C</u> | <u>160</u> # | <u>4</u> | |
| 13) <u>NICOLE W</u> | <u>130</u> # | <u>8</u> | |
| 14) <u>STEVE K</u> | <u>175</u> # | <u>20</u> | |
| 15) <u>LILIKALA K</u> | <u>180</u> # | <u>4</u> | |
| 16) <u>CHUCK</u> | <u>160</u> # | <u>6</u> | |
| | | <u>228</u> | |

Weights: 2538
Food/H2O: 2119 #
2119
2538

Equipment: 457 #
85
NEB 200
SB 19
761

People: 1545
2240
2400

GEAR
228

Draft: P S
22.5 21.5
23.5 23.0

TOTAL 5927

5920

16 SEPT 94

| | | |
|------|------------------------------------|----------------|
| | FOOD 2 | 47 |
| | GEAR FOOD 1 | 55 |
| 1000 | CONDIMENTS + CANNED GOODS (COOLER) | 58 LBS |
| | BREAD | 23 LBS |
| | SWEET BREAD | 16 LBS |
| | CRACKERS (1) (2) | 10 LBS |
| | SAFETY COOLER #1 | 31 LBS |
| | " #14 | 38 LBS |
| | " #16 | 40 LBS |
| | LIFE VESTS | 24 LBS |
| | BILGE PUMP | |
| | LG 2 | 44 LBS |
| | SM 1 | 12 LBS |
| | SPARE SAIL | 30 LBS |
| | AIR MATTRESS | 75 LBS |
| | CLEANING SUP. | 17 LBS |
| | TOILET PAPER | 16 < 8 LBS |
| | DISINFECTANT | 8 LBS |
| | WATER JUGS " | 90 |
| | WATER (44 JUGS) | 1870.0 LBS |
| | ANCHORS PLOW 100 > ? | 130 LBS |
| | DANFORD 80 | 125 LBS HORN → |

| | | | |
|----------|-------------------|------------|---------------|
| | FOOD / WATER | CANOE GEAR | PERSONAL GEAR |
| | 1870.0 | 457 | |
| H2O 2249 | 59 | 31 | |
| FOOD 289 | 23 | 38 | |
| 2538 | 16 | 40 | |
| | 10 | 24 | |
| | 47 | 44 | |
| | 55 | 12 | |
| | 40 | 30 | |
| | 2154.0 LB - 40 | 75 | |
| | 2119. | 17 | |
| | | 16 | |
| | | 327 # | |
| | | 130 | |
| | | 457 | |

MANIFEST (SEPT. 16 - 18TH.)

45
44
180
180
1980

HAWAII LOA.

FOOD COOLER
HOT CHOC
TOILET PAPER
FOOD COOLER.
FOOD COOLER
#1 SAFETY COOLER
WATER 2 44 @ 5 LBS.
220

22 LBS.
23 LBS.
4 LBS
8 LBS.
58 LBS
16 LBS.
31 LBS.
1980 LBS.

~~(ACTIONS) 1000 1000 1000 1000~~

NOTE: HAWAII LOA HAS SAME MANIFEST AS LAST WEEK.
EXCEPT FOR ABOVE ITEMS. THAT WILL BE
DIFFERENT THIS WEEK.

HAWAII LOA

- FOOD COOLER.
- FOOD COOLER.
- "
- "
- TOILET PAPER
- PROPANE TANK
- " BURNER
- 2 PUMPS.
- WATER.

56 LBS.
23 LBS
22 LBS.
17 LBS
9 LBS.
40 LBS
10 LBS

~~(ACTIONS) 1000 1000 1000 1000~~
- SAFETY COOLER

50 LBS.

?

| WT. | EXPERIENCE | NEW | WT. |
|--------|-------------------|--------------------------|-----|
| 1 150 | Riki MudoKini | ✓ Adam Kahvalaulani Nick | 185 |
| 2 150 | Eugene Kawelo | ✓ Kalani Toguchi | 190 |
| 3 245 | GEORGE Kawelo Jr. | ✓ Shaun Campbell | 160 |
| 4 165 | Lathim Fullen | ✓ Stew Kawakami | 175 |
| 5 260 | Chad Peishon | ✓ Chuck Meyer | 160 |
| 6 170 | Kean McKemey | ✓ Collin Anil Wong | 180 |
| 7 175 | Junior Coleman | ✓ Cindy Verschuur | 130 |
| 8 185 | CHAD BayBayan | ✓ Kathryn Bender | 155 |
| 9 105 | Jamell Martinson | ✓ Sark wetzel | 175 |
| 10 180 | NATWDA | ✓ Dana Pila | 130 |
| 11 | | ✓ Lilikala Kameeleiwa | 180 |
| 12 | | ✓ JAWA | 130 |
| 13 | | ✓ SHEILA | 125 |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |

Recognition of Haida and Tlingit Tribes

At this time we honor our family from Alaska represented by Judson Brown and Byron Mallot, and acknowledge their generous donation of the logs from which Hawai'i Loa's hulls have been fashioned. Please feel free to show your aloha and appreciation by offering your ho'okupu (gifts).

Ho'okupu from Dignitaries

Dignitaries offer their ho'okupu to Hawai'i Loa.

Blessing by Kahu Kalili

Kahu Kalili offers his blessing.

Ho'okupu from Audience

The audience offers ho'okupu to Hawai'i Loa and honorees.

Celebration

Food and Impromptu Music and Dance

Hawai'i Iloa, the Man

The name "Hawai'i Iloa" refers to a tradition found in the writings of Samuel M. Kamakau and Kepelino Keauokalani which state that the Hawaiian Islands were discovered by a chief named Hawai'i Iloa while he was on a long fishing expedition. He returned home and came back to Hawai'i with his wife and followers, including eight navigators. Because only Hawai'i Iloa brought his wife with him, all Hawaiians are said to be descended from him. The island of Hawai'i was named for him, while Maui, O'ahu, and Kauai were named after his children. The tradition also indicates that his brothers discovered and peopled islands to the south, including the Marquesas and Society Islands.

Although some scholars have questioned this tradition because it is part of a larger traditional genealogy called Kumuhonua which shares conspicuously similar characters and situations with biblical stories, the Hawai'i Iloa portion bears no resemblance to any biblical account. The names, places and basic settings give us no reason to question their age and authenticity. Further, Patience Bacon of the Bishop Museum remembers kupuna being interviewed by Tutu Puku'i. These kupuna spoke of Hawai'i Iloa as their "reality"; this was sometime in the 1920's and 30's. Mrs. Bacon feels that the tradition is sound.

Hawai'i Loa, the Canoe

Hawai'i Loa, the canoe, has been built to help recover the canoe building tradition in Hawai'i and to recreate early settlement voyages believed to have come from the Marquesas Islands. Scholars believe the first voyages of settlement to Hawai'i over 1600 years ago came from those islands because the languages of the two island groups are similar as are their ancient adzes, fishhooks, and ornaments. In 1995, the Polynesian Voyaging Society plans to sail *Hawai'i Loa* from Nuku Hiva in the Marquesas to Hawai'i, a 2,100 mile voyage.

The hulls of *Hawai'i Loa* were designed by Dick Rhodes, and Rudy and Barry Choy. Nainoa Thompson, Wright Bowman, Jr. and Wally Froiseth designed the other parts of the canoe. The construction of the 57-foot voyaging canoe by Kahuna Kālāi Wa'a Wright Bowman, Jr. began in 1991, under funding by the Native Hawaiian Culture and Arts Program. The plan was to use traditional native materials in the construction. However, a search in Hawai'i's forests for koa logs large enough for the hulls of a voyaging canoe proved futile. So the kuamo'o, or hulls, have been carved from two spruce logs donated by the Tlingit and Haida tribes of Alaska. Native koa has been used for the manu, or gracefully curved bow and stern pieces, as well as for the mo'o, or side pieces. The iako or cross pieces, and kia, or masts, are made from 'ōhia logs. The railings are made from hau. Sennit was used for some of the lashings. Lily Jane Nunes and Elizabeth Akana wove the lauhala sails. Mary Lou Kekuewa made the lei hulu (feather lei).

Acknowledgements

The *Hawai'i Loa* voyaging canoe is a project of the Bishop Museum Native Hawaiian Culture and Arts Program, in cooperation with the Polynesian Voyaging Society. The Native Hawaiian Culture and Arts Program is funded through a cooperative agreement with the National Park Service.

Bishop Museum and the Polynesian Voyaging Society wish to gratefully acknowledge the invaluable kokua of the following organizations and individuals:

Hawai'i Maritime Center
Hawaiian Crane and Rigging
Hawaiian Tug and Barge
Hawaiian Western Transport
Honolulu Police Department
Honolulu Shipyard
Honolulu Transfer & Storage
Kamehameha Schools/Bishop Estate
McCabe, Hamilton and Renny Co.
Na Kālāi Wa'a of Mauloa
Nā Pua No'eau
Pa'uhoana o Honaunau/Jerry Shimoda and Staff
Richard Lee Trucking
Royal Contracting
SeAlaska Corporation
State Department of Safety and Motor Vehicles
State Department of Transportation--Harbors Division
Winkler Wood Products

and the hundreds of volunteers.

Hawai'i Loa and the Marquesas—1995

Scholars believe the first voyages of settlement to Hawai'i, over 1500 years ago, came from the Marquesas Islands. The languages of the two island groups are similar, as are their ancient adzes, fishhooks, and ornaments.

To recreate these early settlement voyages, the Native Hawaiian Culture and Arts Program, is funding the construction of a new voyaging canoe, using as much as possible, native materials. The hull was designed by Dick Rhodes and Rudy and Barry Choy; Nainoa Thompson, Wright Bowman, Jr., and Wally Froeseith designed the rest of the canoe. The construction of the canoe was placed in the hands of kahuna kálai-wa'a Wright Bowman, Jr.

One of the first problems the kálai-wa'a under "Bow" faced in executing the plan was the discovery that the forests of Hawai'i did not contain koa trees large enough for the hulls of a voyaging canoe. The search for the logs in 1989-1990 proved fruitless. Over the years, the koa forests have been ruined by forestry and cattle grazing. (In response, 2,000 koa seedlings were planted in hopes that future generations might once again use large koa trees in canoe building and other cultural activities.)

The kuamo'o (hulls) of *Hawai'i Loa* have been carved from two Sitka spruce logs donated by the Tlingit and Haida tribes of Alaska, represented by the Sealaska Corporation. Native koa has been used for the manu, or gracefully curved bow and stern pieces; the mo'o (side pieces); the mast step; and the three steering sweeps. Seven 'iako, or cross pieces; two kia, or masts; two spars and two booms are made from 'ohia logs. The railings are made from hau logs. Not enough sennit was available for doing all the lashings on the canoe, so sennit has been used for only some of the lashings and rigging; hemp rope has been used for the rest. The lauhala sail was woven by Lily Jane Nunes and Elizabeth Akana from Tahitian lauhala. The lei hulu were made by Mary Lou Kekuewa

The new 57-foot canoe, launched on July 24, 1993, was named for Hawaiiloa, who according to one tradition, was the first discoverer of Hawai'i. He is said to have found the islands on one of his long fishing expedition from the south or west, from Ka-'aina-kai-melemele-a-Kāne, "The land of the yellow sea of Kāne." He returned home and came back to Hawai'i with his wife and followers, including eight navigators. Because only Hawaiiloa brought his wife with him, all Hawaiians are said to be descended from him. The island of Hawai'i was named for him, while Maui, O'ahu, and Kaua'i were named after his children.

The new canoe and the 1995 recreation of the first settlement voyages to Hawai'i will not only be a tribute to this great mariner of ancient Polynesia, they will also deepen the roots on which the community and culture continue to grow and flourish.

BISHOP MUSEUM



CELEBRATING A
CENTURY OF DISCOVERY

CONTACT: Tina Shaffer
848-4187

HAWAI'I LOA CANOE

FACT SHEET

WHAT: The *Hawai'i Loa* is a 57-foot long voyaging canoe built under the direction of master canoe builder Wright Bowman Jr. The main hull is made of Sitka spruce, and other parts are made of *koa*, *hau* and *ohi'a* wood. All parts of the canoe will be lashed together with coconut fiber sennit, *manila* and *hau* (hibiscus *Tilliaceus*) cordage. The sails are made of *lau hala*. Eight miles of rigging and lashing were used in the construction.

WHEN On July 24, 1993, the canoe will be blessed launched from Pier 35.
& WHERE: On July 31, 1993, a community celebration will take place at Pokai Bay to honor Hawaii's voyaging heritage.

FUTURE: In 1995 the *Hawai'i Loa* is expected to sail more than 2,000 miles from the Marquesas Island to Hawai'i. Crew members will be discovering and learning the open ocean route of early Polynesian explorers and the extensive preparation needed for such a voyage.

The building of the *Hawai'i Loa* is a cultural research project to develop pride, skills and knowledge among people interested in perpetuating the Hawaiian Culture.

The *Hawai'i Loa* is a project of Bishop Museum's Native Hawaiian Culture & Arts Program. Supporting organizations are the Polynesian Voyaging Society and the National Park Service.

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The State Museum of Natural and Cultural History
1525 Bernice Street • P.O. Box 19000A • Honolulu, Hawai'i • 96817-0916
Telephone: (808) 847-3511 • Fax: (808) 841-8968

*KAI'AU - ask good
questions! Thanks,
Cet*

21 August 1995

Nainoa Thompson
Polynesian Voyaging Society
Pier 36
Honolulu, Hawaii 96817

Dear Nainoa:

I am writing to you on behalf of the volunteers and crew who have been fortunate enough to be able to work on the voyaging canoe Hawai'iloa throughout the course of her construction, sea trials, and modifications, as well as taking part in her inter-island and trans-Pacific voyaging. Such an investment of time and labor comes from the heart; we have dedicated the last three years of our lives to the care of the canoes, and their preparation for the 1995 voyages. We feel we are members of her family: for those of us who labored to create her, she is our child, born from sweat, hard work, occasional frustrations, but most importantly joy and pride. For those of us who were fortunate enough to be a part of her crew, she has been our mother, carrying us and caring for us across the seas.

As the day of Hawai'iloa's removal from Pier 36 draws near, several concerns have come to mind in regards to her future, both short- and long-term.

1. The short period of time between actual removal from the water and transport to the Bishop Museum severely limits the amount and quality of repairs to the canoe. While she is in good condition, there has been damage from sailing, and the canoe would benefit now, and in the long run, from proper repair, rather than purely cosmetic efforts. Our current time frame allows only the most superficial of repairs to be done. Will time and facilities be available at the museum to allow us to properly repair the canoe?
2. Proper storage facilities for the canoe are essential to prevent further deterioration from exposure to the elements, insects, use wear from human traffic, and vandalism. Are proper facilities available, or can they be made available in time for Hawai'iloa's transportation to the museum?
3. Will Hawai'iloa be properly maintained while she is on display at the museum? Who will be responsible for inspecting, and/or maintaining the condition of the canoe?
4. Hawai'iloa is a canoe. She was built to sail, which she proved she does quite well. She was not meant to sit on the grass as an artifact, but to be a

living classroom; history in the making. The canoe and her legacy belong to the people of Hawai'i. Her crews learn from the experience of sailing, but Hawai'i's citizens share vicariously in her exploits through the efforts of the media, as well as crew member presentations. Proper facilities need to be built so that Hawai'iloa is able to be used to the full potential of the purpose for which she was built. Of course, only a few are able to sail, but all should be able to see Hawai'iloa in or near her element, the sea.

We understand that Hawai'iloa is owned by the Bishop Museum, and that funding to support continuing efforts on behalf of the canoes is currently non-existent. However, we feel that the canoe is a unique treasure, created from beautiful Hawaiian woods as well as the hearts and souls of countless volunteers who gave their time to be a part of history. As such, she needs to be protected and cared for in the proper manner; it would be a shame to waste the efforts of years due to mishandling. It would also be a waste of time, effort, and money to limit Hawai'iloa to a single voyage before her retirement.

Thank you for allowing me to voice these concerns regarding Hawai'iloa to you.

Sincerely,

Catherine Fuller



David W. Flagler
Visiting Associate Professor
Boat Maintenance & Repair

HONOLULU COMMUNITY COLLEGE
10 Sand Island Access Road
Honolulu, Hawai'i 96819
Telephone (808) 832-3682/3683
Fax (808) 832-3686

DESCRIPTION/SPECIFICATIONS

HAWAIILOA CONSTRUCTION AND ASSEMBLY PHASE

- A. Modifying and Fitting Hull and Other Canoe Parts
 - Modifying to properly fit hull and other canoe parts of Hawaiiiloa in preparation for lashing.
 - Communicating with and scheduling approximately 15 volunteer workers for 3 to 4 days a week for 17 weeks.
 - Coordinating the provision of meals for volunteers for 17 weeks, as required.
- B. Lashing and rigging
 - To lash and rig all hull and other canoe parts of Hawaiiiloa. This will require approximately 3 miles of natural fiber.
 - Research different types of natural fibers, of lashing patterns, diameter of cordage to determine, during our sea trials, the best materials and methods.
 - Communicating with and scheduling approximately 15 volunteer workers for 3 to 4 days a week for 17 weeks.
 - Coordinating the provision of meals for volunteers for 17 weeks as required.
- C. Materials
 - Caulk Hawaiiiloa properly.
 - Put the proper finish on hull and all other canoe parts.
 - Construct a canoe dolly to properly and safely move Hawaiiiloa from the shed to a position close to the pier so that she can be placed in the water with a crane.
 - Provide better security for Hawaiiiloa and its associated canoe parts as well as the tools and other equipment in the premises of Pier 35 through fencing, roofing, locks, etc.
- D. Miscellaneous
 - Develop an equipment manifest for Hawaiiiloa to include, but not limited to, safety gear, sail inventory, medical supplies, vessel documents, galley equipment, radios and electronics, etc.
 - Select, purchase and install equipment required for the needs of the 1993 crew training program and sea trials based on the manifest.

HAWAIILOA BLESSING

- A. Through an over-all planning committee, network with various organizations and individuals to plan and coordinate an appropriate blessing for Hawaiiiloa.

CREW TRAINING

- A. Crew selection
 - Select crew members for the 1993 Masters Crew Training Program in preparation for the 1995 voyage from the Marquesas to Hawai'i.
 - Select crew members for the 1993 Apprentice Crew Training Program.
 - Communicate properly with crew members on program requirements.
- B. Officers/Navigators Training
 - Three days of classroom training.
 - Four days of Planetarium training.
 - Four hours of ocean training.
- C. Rigging
 - Rig training canoes as required.
 - Provide scheduling, transportation and meals for volunteers.
- D. 1993 Ocean Training Program (until August 1, 1993)
 - Coordinate scheduling, transportation and meals for crew members.
 - Provide required escort boat services.
 - Plan, coordinate and conduct three days of ocean training.

EXHIBIT B.

PROPOSED PVS/NHCAP BUDGET - 4/15/93 - 9/15/93
 HawaiiIoa Construction/Crew Training Activities

| | | | |
|--|---|---------|---------|
| | : | NHCAP | : |
| | : | Request | : |
| PERSONNEL EXPENSE: | : | | : |
| PVS Administrator (1 FTE X 5 mos) | : | 10,500 | : |
| Administrative Assistant (1 FTE X 5 mos) | : | 7,500 | : |
| Program Specialist (1 FTE X 5 mos) | : | 13,300 | : |
| Sub-total salaries | : | 31,300 | : |
| FICA/Fringe @ 25% | : | 7,825 | : |
| Total Personnel Expense: | : | | 39,125 |
| NON-PERSONNEL EXPENSE: | : | | : |
| Volunteer Support (Meals and Misc. Exp.) | : | 12,500 | : |
| Materials/Supplies | : | 4,000 | : |
| Minor Tools & Equipment | : | 11,700 | : |
| Utilities (Electricity) | : | 1,500 | : |
| Phone/FAX/Postage | : | 600 | : |
| Insurance | : | 835 | : |
| Total Non-Personnel Expense: | : | | 31,135 |
| TRAVEL EXPENSE: | : | | : |
| Air Fares | : | 5,600 | : |
| Per Diem (Meals & Lodgings) | : | 9,200 | : |
| Ground Transportation | : | 1,500 | : |
| Total Travel Expense | : | | 16,300 |
| CONTRACTED SERVICES: | : | | : |
| Canoe Fitting/Modifications (W. Bowman) | : | 12,000 | : |
| Canoe Blessing Ceremonies | : | 35,000 | : |
| Construction Coordination | : | 5,100 | : |
| Planetarium Rentals | : | 200 | : |
| Escort Boat Services | : | 600 | : |
| Total Contracted Services: | : | | 52,900 |
| TOTAL PROJECT EXPENSE: | | | 139,460 |

BUDGET EXPLANATION (continuation, Exhibit B)

A. Non-personnel Expenses

- Volunteer support includes meals and miscellaneous for workers in the areas of canoe construction, assembly, rigging and lashing as well as crew training.
- Materials and supplies include caulking and finishing Hawaiiloa; providing adequate security at construction site through fencing, locks, etc; purchasing books and miscellaneous equipment.
- Minor tools and equipment includes construction of a canoe dolly and equipment rental.

B. Travel Expenses

- Air fares, per diem and ground transportation for individuals required to be at Hawaiiloa's blessing and the crew training program.

C. Contracted Services

- Canoe fitting/modifications will be sub-contracted to Wright Bowman, Jr.
- Canoe blessing/ceremonies will be sub-contracted to the appropriate individual(s)/organization(s).
- Construction coordination will be sub-contracted to the most qualified individual.

Budget - April 10 through August 1, 2003

Exhibit B.
(Attachment 1)

| HAWAIILOA | ESTIMATED | ACTUAL | IN-KIND |
|---|--------------|-------------|-------------|
| HAWAIILOA ASSEMBLY PHASE: | | | |
| Fitting: | | | |
| Labor = \$35/hr x 8 hr/day x 17 days x 2 per | \$9,520.00 | \$9,520.00 | \$0.00 |
| Volunteer Expenses: | | | |
| Labor = \$10/hr x 8 hr/day x 17 days x 15 per | \$20,400.00 | \$0.00 | \$20,400.00 |
| Meals = \$8/meal x 15 per x 17 days | \$2,040.00 | \$2,040.00 | \$0.00 |
| Tool Rental = \$15/hr x 8 hr/day x 17 days | \$2,040.00 | \$2,040.00 | \$0.00 |
| Sub-Total Fitting | \$34,000.00 | \$13,600.00 | \$20,400.00 |
| Lashing/Rigging: | | | |
| Coordinator = \$15/hr x 20 hr/wk x 17 weeks | \$5,100.00 | \$5,100.00 | \$0.00 |
| Volunteer Expenses | | | |
| Lunch = \$8/meal x 18 per x 17 days | \$2,448.00 | \$2,448.00 | \$0.00 |
| Dinner = \$10/meal x 6 per x 3 nt/wk x 17 wk | \$3,060.00 | \$3,060.00 | \$0.00 |
| Labor = \$10/hr x 8 hr/day x 18 per x 17 days | \$24,480.00 | \$0.00 | \$24,480.00 |
| \$10/hr x 4 hr/nt x 3 nt/wk x 17 wks x 6 per | \$12,240.00 | \$0.00 | \$12,240.00 |
| Sub-Total Lashing/Rigging | \$47,328.00 | \$10,608.00 | \$36,720.00 |
| Materials: | | | |
| Security (fencing, roofing, locks, etc.) | \$3,000.00 | \$3,000.00 | \$0.00 |
| Caulking & Finishing | \$500.00 | \$500.00 | \$0.00 |
| Construction of Canoe Dolly | \$1,500.00 | \$1,500.00 | \$0.00 |
| Sub-Total Materials | \$5,000.00 | \$5,000.00 | \$0.00 |
| Miscellaneous: | | | |
| Canoe Equipment | \$10,000.00 | \$10,000.00 | \$0.00 |
| Electricity = \$300/month x 5 months | \$1,500.00 | \$1,500.00 | \$0.00 |
| Sub-Total Miscellaneous | \$11,500.00 | \$11,500.00 | \$0.00 |
| TOTAL HAWAIILOA ASSEMBLY PHASE | \$97,828.00 | \$40,708.00 | \$57,120.00 |
| HAWAIILOA BLESSING | | | |
| Blessing Ceremonies | \$50,000.00 | \$35,000.00 | \$15,000.00 |
| Travel: | | | |
| Airfare = \$700/person x 2 person | \$1,400.00 | \$1,400.00 | \$0.00 |
| Lodging = \$75/room x 2 rooms x 5 days | \$750.00 | \$750.00 | \$0.00 |
| Meals = \$45/day x 2 persons x 5 days | \$450.00 | \$450.00 | \$0.00 |
| Ground = \$50/car x 1 car x 5 days | \$250.00 | \$250.00 | \$0.00 |
| TOTAL HAWAIILOA LAUNCHING | \$52,850.00 | \$37,850.00 | \$15,000.00 |
| TOTAL HAWAIILOA | \$150,678.00 | \$78,558.00 | \$72,120.00 |

Exhibit B.
(Attachment 2)

| CREW TRAINING | ESTIMATED | ACTUAL | IN-KIND |
|--|-------------|------------|------------|
| Crew Selection: | | | |
| Initial Selection: (March 1993) | | | |
| Mail-outs and Phone Calls | \$200.00 | \$200.00 | \$0.00 |
| Sub-Total Crew Selection | \$200.00 | \$200.00 | \$0.00 |
| Officer/Navigator Training Meeting: (June 4-6, 1993) | | | |
| Labor = \$10/hr x 8 hr/day x 3 days x 30 per | \$7,200.00 | \$0.00 | \$7,200.00 |
| Facility Rental = \$300/day x 3 days | \$900.00 | \$0.00 | \$900.00 |
| Planetarium Rental = \$50/hr x 4 hr | \$200.00 | \$200.00 | \$0.00 |
| Escort Rental = \$35/hr x 4 hrs | \$140.00 | \$140.00 | \$0.00 |
| Travel: | | | |
| Airfare = \$100/rt x 10 per | \$1,000.00 | \$1,000.00 | \$0.00 |
| Ground = \$50/car x 2 car x 3 days | \$300.00 | \$300.00 | \$0.00 |
| Lodging = \$75/room x 3 room x 2 nights | \$450.00 | \$0.00 | \$450.00 |
| Meals: | | | |
| Breakfast = \$8/per x 20 per x 2 meals | \$320.00 | \$320.00 | \$0.00 |
| Lunch = \$8/per x 30 per x 3 meals | \$720.00 | \$720.00 | \$0.00 |
| Dinner = \$10/per x 30 per x 2 meals | \$600.00 | \$600.00 | \$0.00 |
| Books, materials & supplies | \$500.00 | \$500.00 | \$0.00 |
| Equipment Rental | \$200.00 | \$200.00 | \$0.00 |
| Sub-Total Officer/Navigator Training Meeting | \$12,530.00 | \$3,980.00 | \$8,550.00 |
| Rigging Hokule'a, Hawaiioloa, Eala - | | | |
| Labor - 20 per x 8 hr/day x 5 day x \$10/hr | \$8,000.00 | \$0.00 | \$8,000.00 |
| Labor - 2 per x 8 hr/day x 5 days x \$10/hr | \$800.00 | \$800.00 | \$0.00 |
| Meals - | | | |
| Lunch - 20 per x \$8/meal x 5 meals | \$800.00 | \$800.00 | \$0.00 |
| Travel - | | | |
| Airfare - \$100/rt x 2 per | \$200.00 | \$200.00 | \$0.00 |
| Ground - \$75/per x 5 days | \$375.00 | \$0.00 | \$375.00 |
| Lodging - \$75/room x 5 days | \$375.00 | \$0.00 | \$375.00 |
| Meals - \$26/day x 5 days x 2 per | \$260.00 | \$260.00 | \$0.00 |
| Sub-Total Rigging | \$10,810.00 | \$2,060.00 | \$8,750.00 |

Exhibit B.
(Attachment 3)

| CREW TRAINING | ESTIMATED | ACTUAL | IN-KIND |
|--|--------------------|--------------------|--------------------|
| 1993 Ocean Training Program - 7/24-8/1/93 | | | |
| Labor: | | | |
| Crew = \$10/hr x 10 hr/day x 168 | \$16,800.00 | \$0.00 | \$16,800.00 |
| Meals: | | | |
| Breakfast = \$8/meal x 116 per | \$928.00 | \$928.00 | \$0.00 |
| Lunch = \$8/meal x 168 | \$1,344.00 | \$1,344.00 | \$0.00 |
| Dinner = \$10/meal x 116 | \$1,160.00 | \$1,160.00 | \$0.00 |
| Snacks = \$5/per x 168 | \$840.00 | | |
| Escort: | | | |
| \$60/hr x 10 hr/day x 3 days | \$1,800.00 | | \$1,227.36 |
| Fuel = 7 gal/hr x \$1.90/gal x 10 hr x 3 days | | \$399.00 | |
| Oil = (12 qt/100hr x \$2.00/qt)/100 x 10 hr/day x 3 days | | \$7.20 | |
| Depreciation = \$5/hr x 10 hr/day x 3 days | | \$150.00 | |
| Insurance = \$2,000/year | | \$16.44 | |
| Travel: | | | |
| Crew - 20 | | | |
| Airfare = \$100/rt x 20 x 1 trip | \$2,000.00 | \$2,000.00 | \$0.00 |
| Ground = \$75/van x 3 vans x 3 days | \$675.00 | \$675.00 | \$0.00 |
| Lodging = \$75/room x 7 rooms x 3 days | \$1,575.00 | \$0.00 | \$1,575.00 |
| Meals = \$18/meals x 20 per x 1 day | \$360.00 | \$360.00 | \$0.00 |
| Officers - 10 | | | |
| Airfare = \$100/rt x 10 x 1 trip | \$1,000.00 | \$1,000.00 | \$0.00 |
| Ground = \$75/van x 2 vans x 2 days | \$300.00 | \$300.00 | \$0.00 |
| Lodging = \$75/room x 3 rooms x 1 night | \$225.00 | \$0.00 | \$225.00 |
| Meals = \$18/meals x 10 per x 1 day | \$180.00 | \$180.00 | \$0.00 |
| Sub-Total 1993 Ocean Training Program | \$29,187.00 | \$8,519.64 | \$20,667.36 |
| Administrative Costs: | | | |
| Personnel, \$1050/mo | \$4,119.23 | \$4,119.23 | \$0.00 |
| Operating Expenses | \$400.00 | \$400.00 | \$0.00 |
| Sub-Total Administrative Costs | \$4,519.23 | \$4,519.23 | \$0.00 |
| TOTAL CREW TRAINING | \$57,246.23 | \$19,278.87 | \$37,967.36 |

Exhibit B.
(Attachment 4)

[illegible]

SAFETY EQUIPMENT for NHCAP Exploration Project

These items are to be purchased under Cooperative Agreement 90.14, and are to be used as needed for this Agreement and Contract 90.13. Initially they will be used on the Hokule'a. NHCAP intends to transfer all items to the new canoe once it is in the water. Per NHCAP policy, all items with a unit cost of \$100 or more will remain NHCAP property.

Safety Equipment

| <u>Quantity</u> | <u>Item</u> |
|-----------------|---|
| 2 | EPIRB (Emergency Position Indicator Radio Beacon) |
| 17 | Type II C G approved life preservers |
| 3 | 10E Co2 Tri Class extinguishers |
| 2 | Air Horns with spare cannisters |
| 1 | Whistle> |
| 1 | Bell> See annex 3 Inland Rules 1980 |
| 2 | Signal Mirrors |
| 1 | Man overboard Pole with Flag |
| 6 | Police Whistles |
| 1 | Anchors |
| 4 (Repair) | Fixed hand Bilge Pumps (P+STD 1+7) |
| 1 | Portable Hand Bilge Pump |

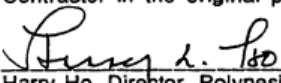
Lights

| <u>Quantity</u> | <u>Item</u> |
|-----------------|-----------------------------------|
| 1 | Side Lights (10 pt.) |
| 1 | Stern Light (12 pt.) |
| 1 | Mast Head Light (20 pt.) |
| 1 | Anchor Light (32 pt.) |
| 2 | 6 volt flashlights |
| 2 | 3 cell flashlights, D cell |
| 2 | Man overboard strobe lights |
| 8 | Hand Held Strobe Lights (Firefly) |
| 18 | Spare batteries D cell |
| 12 | Spare batteries 6 volt |
| 12 | Spare batteries firefly |
| | Spare bulbs |

Radio

| <u>Quantity</u> | <u>Item</u> |
|-----------------|----------------------------------|
| 1 | VHF Radio and Receiver |
| 1 | Marine VHF Antenna - Shakespeare |
| 4 | 12 volt batteries |
| 1 | Battery boxes |
| 1 | Radio Box |

This modification to the original proposal dated 2/20/91, and to the proposal modification dated 4/3/91, shall supercede all applicable terms, conditions, duties and obligations of the Contractor in the original proposal and its 4/3/91 modification.



Harry Ho, Director, Polynesian Voyaging Society

JUNE 4, 1991
Date



Gil Tam

8/13/91

Mr. Thompson -

For Tarnell, it looks like she should be the equivalent of our SR-22 (I checked positions in KS/BE, KIC and R#SC). SR-22 range is:

| <u>Minimum</u> | <u>Midpoint</u> | <u>Maximum</u> |
|----------------|-----------------|----------------|
| \$ 2,376/mo. | \$ 3,148/mo. | \$ 3,920/mo. |

With Tarnell's experience she should be somewhere between minimum and midpoint.

Thanks
Gil

DRAFT

HAWAII LOA

Aloha Meeting
 Friday, January 15, 1992
 5:00 - 8:00 p.m.
 Hawai'i Maritime Center
 Pier 7

| | | | | | | | | | | | | | | | | | |
|------------------------------|---|--------------|-----------------|-------------|------------|----------------|---|---------------------------|----------------|------------------------------|-------------------|------------------------|---------------|---------------|--------|-----------------|-------------------------|
| 5:00 pm | <p>Guests arrive</p> <p>Museum and Falls of Clyde open all evening; taped music playing; pupu and beverage (beer, wine, soda) available.</p> | | | | | | | | | | | | | | | | |
| 5:30 pm | <p>Meeting in Pacific Room</p> <table border="0"> <tr> <td style="padding-right: 20px;">Emcee</td> <td>Bob Worthington</td> </tr> <tr> <td>Pule</td> <td>Bill Parli</td> </tr> <tr> <td>Welcome</td> <td>Bob Worthington (Introduce special guests)</td> </tr> <tr> <td>Chairman's Remarks</td> <td>Pinky Thompson</td> </tr> <tr> <td>6th Festival Chairman</td> <td>Tamarri Tutangata</td> </tr> <tr> <td>Summary Remarks</td> <td>Wendell Silva</td> </tr> <tr> <td>Mahalo</td> <td>Ev Fox</td> </tr> <tr> <td>Doxology</td> <td>All lead by Randie Fong</td> </tr> </table> | Emcee | Bob Worthington | Pule | Bill Parli | Welcome | Bob Worthington (Introduce special guests) | Chairman's Remarks | Pinky Thompson | 6th Festival Chairman | Tamarri Tutangata | Summary Remarks | Wendell Silva | Mahalo | Ev Fox | Doxology | All lead by Randie Fong |
| Emcee | Bob Worthington | | | | | | | | | | | | | | | | |
| Pule | Bill Parli | | | | | | | | | | | | | | | | |
| Welcome | Bob Worthington (Introduce special guests) | | | | | | | | | | | | | | | | |
| Chairman's Remarks | Pinky Thompson | | | | | | | | | | | | | | | | |
| 6th Festival Chairman | Tamarri Tutangata | | | | | | | | | | | | | | | | |
| Summary Remarks | Wendell Silva | | | | | | | | | | | | | | | | |
| Mahalo | Ev Fox | | | | | | | | | | | | | | | | |
| Doxology | All lead by Randie Fong | | | | | | | | | | | | | | | | |
| 6:00 pm | <p>Dinner</p> <p>Laulau, poi, limu poke, lomi lomi salmon, shoyu chicken, beverages</p> <p>Slide show (no audio) ongoing in Pacific Room. Live entertainment - kanikapila</p> | | | | | | | | | | | | | | | | |
| 8:00 pm | <p>Pau</p> | | | | | | | | | | | | | | | | |

HAWAI'I LOA**Aloha Meeting**

Friday, January 15, 1992

5:00 - 8:00 p.m.

Hawai'i Maritime Center

Pier 7

TASK LIST

| | | |
|----------------|--|--|
| Invitations | Mailing list Design and printing RSVP | Ev Julee Karla |
| Budget | Preparation Approval | Julee Bob W |
| Food | Ordering Delivery (sans poi) Poi mixing & put in sm cups Serving equip from 'Akahi Chocolate cake precut | Julee Kathy Reis Julee, etal Julee Julee |
| Beverages | Beer, wine, soda from Costco Ice & barrels for storage | Julee, Ev <hr/> |
| Paper products | Pupu plates, poi cups w/lids, dinner plates, napkins, cups | Julee |
| Sound system | Set-up and operation | Ev |
| Tables/chairs | Possible rental, set-up | Ev |
| Tents | Rental | Ev |
| Clean-up | Trash bags and manpower | Ev & Julee |
| Parking | ???? | Ev |
| Lei | List, order & pick up | Julee |
| Gifts | ???? | ----- |
| Questionnaire | Design, printing, pencils & "drop-in" box | Julee & Bob |

Alaska *Palani* - 2d E.
7.45
7:30

HAWAI'I LOA

- 1) The name "Hawai'i" and its cognate forms (Hawaiki, Havaiki, 'Avaiki, Savai'i, etc.) are as ancient as the Polynesians themselves. Traditions indicate that in this name rests the idea of "homeland" or "motherland." Its exact location cannot be definitively determined because its reference is only relative to the era and locale from which such reference was made. The Tahiti/Hawai'i connection (1000-1250 A.D.) favors Ra'iatea to be the "piko" or the central source from which geneological "mana" began -- "Hawaiki" being the former name of Ra'iatea. Hence, the name was probably given to the present Hawai'i to memorialize the Society Island homeland of those early Polynesian discoverers.
- 2) The word "Hawai'i" in Hawaiian language refers to the following:
 - a. the largest island in the Hawaiian archipelago
 - b. the eight main islands and/or the archipelago as a whole (within the last two centuries)
 - c. native people of Hawai'i/those of Hawaiian ancestry
- 3) The word "loa" and its cognate "roa" refer to:
 - a. distance, length, height; distant, long, far; permanent
 - b. very, very much, excessive, most
- 4) The name "Hawai'i Loa" in itself may refer to the following:
 - a. **Distant Hawai'i** - This may describe the perspective of our early Polynesian ancestors who saw Hawai'i as a northern point of travel from Tahiti.
 - b. **Distant Havaiki** - This may refer to the perspective of Hawaiians today who seek to symbolically "return" to our ancestral roots in far off Havaiki (Tahiti/Ra'iatea).
 - c. **Distant Hawai'i/Hawaiki/Havaiki/'Avaiki/Savai'i etc.** - This may capture the pan-Polynesian concept of "homeland;" the quest for new 'aina and the need to memorialize the home from which they came by bestowing the new territory with the conceptual name of Hawai'i.

- 1
- d. **Distant Hawai'i/Hawaiians** - This implies that there are Hawaiians, or in a global sense, "maoli" or native peoples throughout the Pacific who are really of the same origin. Reference to other Polynesians as "Hawaiians" should not be perceived as arrogant, suggesting that Hawaiians see themselves as the center. Rather, semantic concerns regarding the English words, "Hawaiian" and "Polynesian" serve to cloud the truly Polynesian understanding of "native." Without consideration of western thinking, this idea can be appreciated.
 - e. **All Hawaiians** - This loosely translated definition may refer to all Hawaiian people who will be involved in this project and to the community of Hawaiian youth now and yet to come who will benefit from its accomplishments.
- 5) The name "Hawai'i Loa" (Hawai'i-loa) also refers to a tradition which claims the discovery of the Hawaiian islands by a chief named Hawai'i-loa. Accounts indicate that his brothers founded and peopled some of the island groups to the south; Marquesas, Tahiti and other Society Group islands. He discovered Hawai'i while on a long fishing expedition. He named Hawai'i after himself and the other islands after his children.

Present day scholars sometimes question this tradition because it is part of a larger tradition/genealogy called Kumuhonua. Many accounts in the Kumuhonua tradition share conspicuously similar characters and situations with biblical stories -- the Kepelino/Kamakau versions in particular. It is believed that Kepelino altered the stories in an effort to make them more palatable to the Catholic fathers. Martha Beckwith has made this statement in her research.

Be that as it may, the tradition does come down to^{us} from antiquity and after careful review of Fornander's versions, the Hawai'i-loa portion bears no resemblance to any biblical account. The names, places and basic settings and plots give us no reason to question their age and authenticity.

Further, Patience Bacon of Bishop Museum remembers kupuna being interviewed by Tutu Puku'i. These kupuna spoke of Hawai'i-loa as their "reality," and this was somewhere in the 1920's and 30's. Mrs. Bacon feels that the tradition is sound. Kepelino's alterations are similar to the manipulations done in the recording of Hawaiian history and culture when penned by those who saw Hawaiians as a lower class of people, many of them non-Hawaiian.

Conclusion:

In light of this information, the name Hawai'i Loa appears to be most appropriate for a canoe whose builders, supporters and crew seek to honor the past, reclaim the dignity and integrity of our kupuna and revive and restore the Hawaiian way of life to the benefit of all Hawaiians.

Randie Kamuela Fong
March 26, 1991

ATTACHMENT #1

paying Plan/Project Units

Cont.
Cont.
K/S

Five Year Voyaging Plan/Project Units

| Goal #1, Sub-Goal #1A | Goal #1, Sub-Goal #1B | Goal #1, Sub-Goal #1C | Goal #1, Sub-Goal #1D | Goal #1, Sub-Goal #1E | Goal #1, Sub-Goal #1F | Goal #1, Sub-Goal #1G | Goal #1, Sub-Goal #1H |
|-------------------------|-------------------------|---------------------------------|--|-----------------------------|-------------------------|-----------------------|-----------------------|
| Hawaiiola | Trad. Sailing Canoe | Crew Training | Community Projects | Voyage & Sea Trials | Education | Resource Renewal | |
| Const. w/ Boat | Proc 6/93 | Add G's 1 SG #4 Cont. w/ PVS | Const. w/ Comm. EXPERTS | → Move to CHART TABLE VG | WSP PLAN - ? | Differ to LATER. | |
| Assemble Materials | C Design | C Selection | P Plaiting & Weaving | N Launching | N Stage I | Koa | |
| Design | C Assemble Materials | C Safety Training | P Cordage | N Hawaiiola | N Public Information | N Olona | |
| Hulls | C Construct Hull | P Physicals | P Plant Transportation | N Escorts | N Campaign | N Lauhala | |
| Other Parts | P Construct Other Parts | P Health | N Fishing Methods | N Sea Trials | N Community Program | N | |
| Sails, Covers | P Construct Tools | P Diet | N Traditional Medicines | N Voyage Preparation | N Exhibits | N | |
| Assemble Canoe | P Ceremonies | P Basic Navigation | P Gifting | N Voyage | N Curriculum Assistance | N | |
| Cordage | P | Navigation Master | P Sails, Covers | P | | | |
| Lashing | P | Crew Training | P Cordage | P | Stage II | | |
| Rigging | N | Officer Training | P | | Public Information | N | |
| Caulking | N | Sail Master | P | | Training Programs | N | |
| Finish | N | Specialized Training | N | | Community Programs | N | |
| Launching | N | Land/Sea Program | N | PVS → | Exhibits | N | |
| | | Lashing | P | | Curriculum Development | N | |
| | | Rigging | N | | | | |
| * Cordage - | | | I provide MKT. material -> I finished it. NHCAP - Lay out | | NHCAP | | |
| | | | | | Count w: h: u / me - | | |
| KEY: | | | | | | | |
| C - COMPLETE | | | | | | | |
| P - PARTIALLY COMPLETED | | | | | | | |
| N - NOT STARTED | | | | | | | |

General Timeline

KS / 3M / 7/13 / 1/14 / 2015
PLAN

PARTIAL
TRAINING

Complete
TRAINING

| | Goal #1, Sub-Goal #1A | Goal #1, Sub-Goal #1B | Goal #1, Sub-Goal #2 | Goal #1, Sub-Goal #3 | Goal #1, Sub-Goal #4 | Goal #2 | Goal #3 |
|-------------|---------------------------|-----------------------|------------------------------|-----------------------------------|----------------------|------------------|------------------|
| | Hawaii Loa | Trad. Sailing Canoe | Crew Training | Community Projects | Voyage & Sea Trials | Education | Resource Renewal |
| January '93 | Construction | Construction | | | | Documentation of | |
| February | Construction | Construction | | | | Project/Conduct | |
| March | Construction | Construction | Initial Crew Selection | Research/Production | | Programs | Planning |
| April | Construction | Construction | Land Training | Research/Production | | | Programs??? |
| May | Construction | Construction | Land Training | Research/Production | | | |
| June | Sea Trials #1 Rigging | Construction | Ocean Training LAND TRAINING | Ocean Testing RESEARCH/PRODUCTION | Sea Trials #1 | | |
| July | Sea Trials #1 | | Ocean Training | Ocean Testing | Sea Trials #1 | | |
| August | Modifications #1 324 TC.8 | | Land Training OCEAN | Research/Production | SEA TRIALS #1 | | |
| September | Modifications #1 | | Land Training OCEAN | Research/Production | OCEAN T | | |
| October | Modifications #1 | | Land Training OCEAN | Research/Production | OCEAN T | | |
| November | Modifications #1 | | Land Training | Research/Production | | | |
| December | Modifications #1 | | Land Training | Research/Production | | | |
| January '94 | Modifications #1 | | Land Training | Research/Production | | | |
| February | Modifications #1 | | Land Training | Research/Production | | | |
| March | Modifications #1 | | Land Training | Research/Production | | | |
| April | Modifications #1 | | Land Training | Research/Production | | | |
| May | Sea Trials #2 | | Ocean Training | Ocean Testing | Sea Trials #2 | | |
| June | Sea Trials #2 | | Ocean Training | Ocean Testing | Sea Trials #2 | | |
| July | Modifications #2 | | Final Crew Selection | Research/Production | | | |
| August | Modifications #2 | | Land Training OCEAN | Research/Production | | | |
| September | Modifications #2 | | Land Training | Research/Production | | | |
| October | Modifications #2 | | Land Training | Research/Production | | | |
| November | Modifications #2 | | Land Training | Research/Production | | | |
| December | Modifications #2 | | Land Training | Research/Production | | | |
| January '95 | Loading | | Land Training | Loading | | | |
| February | Loading | | Land Training | Loading | | | |
| March | Shipping | | Land Training / 1st Voyage | Shipment | | | |
| April | Rigging | | Land Training | | | | |
| May | Voyage | | Voyage | Voyage | Voyage | | |
| June | Voyage | | Voyage | Voyage | Voyage | | |

1994 Schedule By Canoe

Hawaii

| | | |
|---------------------------|--|---|
| 1) Construction | 12/4/93 - 5/19/94 5/20/94 5/20 - 5/23 | Modifications Launch Rig and equip |
| 2) Seatrials | 5/24 - 8/26 | |
| 3) NIGHT SAILS | 8/15 - 8/25 | |
| 4) Haul out | 8/26 | |
| 1) Community Sails | 1/15, 22, 29 2/5, 12, 19, 26 3/5 | you camp - 1/4 - 4/10 |
| 2) Doldrum Voyage | 3/11 - 3/13 3/16 - 4/4 4/9 - 4/10 4/11 - 4/13 | HNL - Kona Kona - Doldrums - Kona Kona Students Kona - HNL |
| 3) Repairs/Maintenance | 4/14 - 5/5 | |
| 4) Mainland Voyage | 5/6 - 6/1 6/1 - 6/7 6/8 - 6/17 6/17 - 6/20 6/21 - 6/22 6/23 - 6/27 6/28 - 6/29 6/30 - 7/4 7/5 - 7/6 7/7 - 7/11 7/12 - 7/13 7/14 - 7/18 7/19 - 7/20 7/21 - 7/25 7/26 - 8/13 | HNL - Juneau (by barge) Rig/Repair Juneau - Vancouver (600 miles) Vancouver visit Transit Seattle visit Transit Coos Bay visit PORTLAND Transit San Francisco visit Transit Los Angeles visit Transit San Diego visit San Diego - HNL |
| 5) Night Sails | 8/15 - 8/25 | |
| 6) Haul out for repairs | 8/26 | |
| 1) Sail Plan | 3/5 - 3/6 3/11 - 3/13 3/13 - 6/2 6/3 - 6/5 | Sea Trials HNL - Kona Kona Coast Kona - HNL |
| 2) Night Sails | 8/15 - 8/25 | |
| 3) Haul out for repairs | 8/26 | |

1994 TRAINING SCHEDULE

Crew Training

- 1) Navigation Seminar 2/19 - 2/21
2) Crew Seminar 2/20

Ocean Training

COASTAL SAILS

- (1) 1) Hokule'a
Community Sails 1/15, 22, 29
2/5, 12, 19, 26
3/5
Night Sails 8/15 - 8/25
Kona 4/9 - 4/10
(1) 2) E'ala 3/5, 6, 19, 26
4/2, 9, 16, 23, 30
5/7, 14, 21, 26 - 30

- (1) 3) Hawaii'loa 5/24 - 7/21
NIGHT SAILS 8/15 - 8/25
INTER-ISLAND SAILS

- (2) 1) Hokule'a 3/11 - 3/13 HNL - Kona
4/11 - 4/13 Kona - HNL
(2) 2) E'ala 3/11 - 3/13 HNL - Kona
6/3 - 6/5 Kona - HNL
(3) 3) Hawaii'loa 7/22 - 7/24 HNL - Maui
7/29 - 7/31 Maui - Kona
8/5 - 8/7 Kona - HNL

OPEN OCEAN VOYAGES

- (1) 1) Hokule'a * 3/16 - 4/4 DOL DRUMS -
* 6/8 - 6/17 Juneau - Vancouver
6/21 - 6/22 Vancouver - Seattle
* 6/28 - 6/29 Seattle - Coos Bay PORTLAND
7/5 - 7/6 Coos Bay - San Francisco
* 7/12 - 7/13 San Francisco - Los Angeles
7/19 - 7/20 Los Angeles - San Diego

HAWAI'ILOA GENERAL SCHEDULE

| | |
|------------------------------|---------------|
| 1) Construction/Modification | until 7/17 |
| 2) Rigging | 7/18- 7/19 |
| 3) Sea Trials | 7/19 - 9/15 |
| 4) Modifications | 9/16 - 1/2/95 |
| 5) Voyage Preparation | 1/2 - 2/6 |
| 6) Marquesas Voyage | 2/6 - 5/13 |

HAWAI'ILOA SEA TRIALS 7/19 - 9/15

Purpose: To prepare *Hawai'iloa* and crew for the 1995 Hawai'i - Marquesas - Hawai'i Voyage.

Objective: To complete the following:

- 1) required testing of *Hawai'iloa*;
- 2) train crew to properly care for and sail *Hawai'iloa*;
- 3) complete required record keeping and documentation of sea trials
- 4) obtain required data for construction modifications

Areas of Testing:

- 1) Structural Strength
- 2) Traditional Materials - Research and Testing
- 3) Watertight Integrity
- 4) Sail Performance
- 5) Survivability / Displacement Calculations
- 6) Steering
- 7) Sailing multiple canoes in visual sight at night
- 8) Assess Modification Requirements
 - design
 - materials
 - modification
 - required crew training

Sea trials will consist of 1,800 nautical miles of testing. Testing will be conducted in Hawaiian waters, not to exceed 50 nautical miles off-shore. The schedule is as follows:

Initial Phase:

- 7/18 - 7/19 Rigging
7/19 - 8/8 Initial sea trials off coast of O'ahu (70 miles x 12 days = 840 miles)

Inter-Island Phase:

- 8/9 - 8/11 Inter-island preparation
8/12 - 8/15 Honolulu - Maui (120 miles)
8/17 - 8/22 Maui - Lana'i - Moloka'i - Kaua'i (180 miles)
8/26 - 8/28 Kaua'i - Honolulu (140 miles)

Final Phase:

- 8/30 - 9/15 Final sea trials off coast of O'ahu (70 miles x 8 days = 560 miles)
9/16 Haul-out