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UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY

File No. 9 12 17

DIVISION OF TERRITORIES AND ISLAND POSSESSIONS

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EQUATORIAL ISLANDS

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REPORTS
FIELD REPRESENTATIVE
(14th Expedition)

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Harold L. Fisher

Secretary.

(cruise from
Nov. 15, 1938
to
Dec. 16, 1938)

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
DIVISION OF TERRITORIES AND ISLAND POSSESSIONS
WASHINGTON

Iolani Palace
Honolulu, T. H.
January 5, 1939

Dr. Ernest Gruening, Director
Division of Territories and
Island Possessions
Department of the Interior
Washington, D. C.

Dear Dr. Gruening:

I am forwarding herewith my routine cruise report of the Fourteenth Cruise to the American Equatorial Islands.

You will note that there is nothing unusual in the report, but I would call special attention to the difficulties and delay encountered because of bad surf conditions at Baker Island.

I would also call your attention to the entry of December 4 in which the opinion of Commander Carl Cotter, Civil Engineer Corps, U.S.A., is set down. I suggested to Commander Cotter that I would be pleased to receive a letter or a copy of any report that he might possibly make to the Navy covering his opinion of the Canton lagoon. It would probably have to be an informal report or letter since Commander Cotter was traveling on leave status. To date no letter has been received, but I will mail a copy in the event that he sends one.

Corporal McMahon who accompanied the Expedition as official photographer was to have supplied this office with sets of official pictures about ten days ago and I have delayed somewhat in the hope that they would be here for transmittal with the report, but Corporal McMahon came in yesterday and stated that in the rush of special holiday work he was unable to get them out. They will be here on Monday and will be titled and forwarded at once.

Sincerely yours

Richard B. Black

RICHARD B. BLACK
Field Representative

RBB:kl
Encl.

Notes
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C R U I S E R E P O R T

14TH CRUISE

to

AMERICAN EQUATORIAL ISLANDS

by

RICHARD B. BLACK
Field Representative
U.S. Dept. of the Interior
(Division of Territories
and Island Possessions)

Iolani Palace
Honolulu, T. H.
January 5, 1939

FOURTEENTH CRUISE TO THE AMERICAN
EQUATORIAL ISLANDS
of
JARVIS, BAKER AND HOWLAND
and to other islands in the South Seas

By
Richard B. Black
Field Representative
U.S. Dept. of the Interior
(Division of Territories
and Island Possessions)

NOVEMBER 25, 1938, (FRIDAY)

The Fourteenth Cruise to the American Equatorial Islands of Jarvis, Baker, and Howland; to Canton and Enderbury Islands in the Phoenix Group, and to Palmyra Atoll, sailed aboard the U. S. Coast Guard Cutter ROGER B. TANEY from Pier 27, Honolulu, at five in the afternoon on this date.

Commander Eugene A. Coffin was in command of the TANEY. The writer was in charge of the colonization activities on the islands.

In addition to the regular officers and men assigned to the ship, the following civilian and military personnel were logged on at sailing.

R. B. Black, Field Representative, U. S. Dept of the Interior
Commander C. H. Cotter, C.E.G. U.S.N., Asst. Pub. Wks Office, Pearl Harbor
Major James C. Van Ingen, U.S.A., Aerology Officer, Luke Field
Dr. G. L. Dobson, Cabin Guest
Commander Frank T. Kenner, U.S.C.G., Hawaiian Section Office
Captain J. B. Newman, U.S.A., 3rd Engineers, Schofield Barracks
Captain J. P. Barney, U.S.A., 8th F.A., Schofield Barracks
1st Lieut. M. I. Carter, U.S.A., Air Corps
1st Lieut. F. H. Shepardson, U.S.A.
Mr. Charles Maria, Machinist, U.S.Lighthouse Service
Corporal Harry M. McMahon, 8th F.A., Expedition Photographer
Pvt. Albert A. Karpovich, 17th Air Base, Weather Service
Pvt. E. L. Garrison, U.S.A. (With Capt. Newman)
Pvt. David W. Dorsey, 3rd Engineers

Island Personnel

Charles D. Calley, Jr., radioman & meteorological observer
Henry F. Fialkowski, radioman & meteorological observer
Eugene Burke, Hawaiian colonist
William Tavares " "
Aki Kini Pea " "
Bernard Akana " "
Luther Waiwaiolo " "

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Fred Wilhelm, Hawaiian colonist
Melvin Paoa " "
Lawrence Ching " "
Francis Lee, 1st Spare, with pay
Francis Stillman 2nd Spare, without pay

After clearing the channel, a course was laid for Howland Island.
The sea was calm and weather fine.

Commander Cotter on official leave status will inspect Palmyra Atoll
in connection with the proposed Navy development.

Commander Kenner is assigned as navigator and surf boat instructor.

Major van Ingen will inspect the weather stations on the islands.

Mr. Boyle, on vacation, will look over Canton Island in interest
of Pan American Airways.

Captain Newman will account for Army property now on islands.

Lieutenant Carter will observe for the Air Corps.

Roster of Commissioned and Warrant Officers of TANEY

Commander E. A. Coffin, Commanding
Lieut. Comdr. John W. Kelliher
Lieut. Comdr. Charles W. Lawson
Lieut. Edward W. Holts
Lieut. William L. Clemmer
Lieut. (j.g.) Carl H. Stober
Ensign Victor E. Sakahas
Ensign Alexander W. Wuerker
A. A. Surgeon James M. Wolfe, USPHS
Chief Machinist Walter L. Hunley
Gunner Ralph A. Taylor
Pay Clerk (a) Francis M. Daniel

This the fifth cruise by the TANEY, counting the October emergency
run to Jarvis Island. I cannot speak too highly of the efficiency and
cooperative spirit of every officer and man aboard the ship in carrying
out the mission of the Department of the Interior in these cruises.

NOVEMBER 26, 1938 (SATURDAY)

Steaming for Howland Island

NOVEMBER 27, 1938 (SUNDAY)

Steaming for Howland Island

(The Dairymen's Ice Cream was greatly enjoyed by the four Howland Islanders.)

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DECEMBER 1, 1938 (THURSDAY)

We arrived off western beach of Baker Island at 9:50 A.M. Mr. Kenner and I in the motor surfboat went to the first break to survey conditions. The sea was smooth but a large swell was running from the northwest, sweeping along the landing beach. Surf broke directly on the beach with considerable force, the foam going to the top of the steep beach drift at frequent intervals. We went back to ship and steamed to take a look at southeast beach which "Duane", "Shoshone", etc., used, but there the water was wind-broken and bad. We waited until higher water and at a few minutes after twelve Mr. Kenner and I went in again and tried to anchor. The tide has passed the high and we found that surf was worse and also that if we anchored, the sea would break under the station boat after tide got a little lower. We went back to the ship and laid a course for Canton at 1:00 P.M. and told Baker we would be back after working Canton and Enderbury.

DECEMBER 2, 1938 (FRIDAY)

The "Taney" arrived off the western or main lagoon entrance of Canton Island at 3:00 P.M. (Honolulu Standard Time) and material was immediately started in. We found all men well and happy. I called at once on Mr. Langdale and Mr. Fleming in the British Camp and they said all had been well except for a touch of fish poisoning for both of them and their Fiji houseboy, Simone.

Mr. Langdale presented two paintings, one of a scene in Suva, watercolor, and an oil showing the ceremony dedicating Canton Light to Captain Musick and the crew of the lost Samoan Clipper.

The water shed, generator house, and cook-shack-dining-room structure is well made, with a concrete floor and boarded sides.

Mr. Maria of the U. S. Lighthouse Service checked the operation of Canton Light and found it to be in good condition. He stated that the present gas supply will easily carry until March or later.

Our camp consisted of the following:

James C. Kamakaiwi, Leader
Henry Kaahea
John Roberts
Ah Kin Leong, Radio and Meteorological Observer

The new camp will have:

Charles D. Calley, Jr., Leader, Radio & Meteorological
James C. Kamakaiwi, Jr., Hawaiian Leader/Observer
Kini Pea (veteran)
Luther Waiwaiolo (veteran of 1935 U.S. Dept. of Commerce,
Baker Island camp)

Charles Calley is an amateur and commercial radio operator, and has had instruction in aerology at Fleet Air Base, in meteorological observing at the Weather Bureau, Honolulu, and additional instruction from Major van Ingen on the cruise. He is interested in gardening and will conduct a water culture

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tomato growing project for University of Hawaii and Agricultural Extension Service.

All material was landed and ship drifted off the island at 5:55 P.M. to go to Enderbury in morning.

Because of seasickness, James Kinney and Herbert Chang from Howland were allowed to stay on Canton until our return from Enderbury.

DECEMBER 5, 1938 (SATURDAY)

We arrived off landing at Enderbury at 7:30 A.M. and one boat with Mr. Kenner and I, and Mr. Taylor and his gunners equipped with blasting tools, landed in a Monomoy. Tide was too low for more boats until almost noon.

The water-shed is well constructed, the anemometer and wind-vane support is well mounted on a triangular coral and concrete pedestal with tool room below, a new flag pole has been made and painted and the gun from American guano camp mounted before it in concrete, facing the sea.

Two triangular ranges of stout construction mark the blasted channel through the reef started last trip.

The colony was in good shape, and consisted of the following men:

Harold Kim, Leader
Clarence Braun
Joshua Wood
Manuel Pires, Radio and Meteorological Observer

The new camp will have:

Clarence Braun, Leader
John Roberts (from Canton)
Melvin Paoa (from home)
Ah Kin Leong, Radio and Meteorological Observer (from Canton)

While awaiting high tide I went with Joshua Wood to visit the two or more wrecks on the eastern beach. One is the wreck of a steel ship with a clipper bow. The stem and about twenty feet of the frame with ribs and plates lies on the reef completely out of water at low stage of tide. No name is visible. Timbers and metal fittings of another ship are strewn to the northward of the steel wreck. This one was undoubtedly a timber ship, with copper bottom, fastened with copper pins and brass ship nails. The bell returned to Honolulu last cruise was probably from this second ship.

We Returned to camp and at about 1 P.M. boats started landing supplies. All was finished at about 4 P.M. and last boat went to ship. Started drifting off Enderbury at 4:35 P.M.

(Note: Joshua Wood and Manuel Pires are being transferred to Jarvis Island.)

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DECEMBER 4, 1938 (SUNDAY)

We were off Canton lagoon entrance at 6:27 A.M. Liberty parties from the crew, at eight and ten thirty, will land for recreation. I went in at about 8:30 and at once started a trip in motor surfboat to the southeast end of lagoon, with Jimmy Kamakaiwi as guide through the coral heads and reefs. Mr. Boyle of Pan American Airways was particularly interested in seeing the area buoyed by Mr. McKenzie of Pan American Airways in May, 1938, and also the clear area in the southeast. Commander Cotter went along. He was greatly impressed, as an engineer, with the condition of the lagoon. He said that it would be a comparatively simple engineering job to prepare it.

Back in camp, we went to the lighthouse for some pictures with Mr. Boyle, Mr. Langdale, and Mr. Fleming and colonists.

I had a good visit with the British and took a bag of mail for them. We will see Mr. Fleming again in March, but Mr. Langdale expects to be relieved in January.

Final instructions were given to Calley, Kamakaiwi, Pea and Waiwaiole, and we left the lagoon dock at 1:00 P.M.

At 1:25 P.M. a course was laid for Baker.

DECEMBER 5, 1938 (MONDAY)

The "Taney" arrived off the western beach of Baker Island at 12:27 P.M. The surf on the ends of the island was spouting "sky-high" and the western landing looked bad. Commander Kenner and I went in for a look. We returned to the ship and steamed to see the south beach where the "Shoshone", "Duane", etc., landed successfully in periods of a northerly swell like today. The water there was badly wind-broken although seas were not so high, some lee being given by the northeast reef extending out to eastward. The whole northeast side of the island was veiled in spray. We went back to the west beach and prepared to land, but when Commander Kenner and I saw the worse condition which had developed and when we were unable to make an anchor hold, he signaled the other boats to return to the ship and we "secured" for the day and drifted off. (Pictures were taken from launch to show surf.)

DECEMBER 6, 1938 (TUESDAY)

We were off west beach of Baker at 7:40 A.M. but no improvement. We drifted off for most of the day, planning to approach the south beach and make an attempt on the afternoon high tide.

At 4:00 P.M. we were back at south beach and at 4:38 started operations. The motor self-bailer was anchored with two hooks about 175 yards off the beach and in the large swell just outside the first break. We tried to shoot a line ashore with the line-throwing gun but it fell short. The pulling self-bailer had been prepared with 400 fathoms of COIR floating line, a coil of 200 fathoms in the bow and another in the stern, and the center

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part made fast at the fore and aft hoisting rings of boat and the slack line connecting the coils lashed to the thwarts. With Ensign Bakanas in charge of the boat, we went in with four oarsmen, Commander Kenner paying out the line from the station boat, holding up on line to allow the big ones to break with our stern straight into them. It was a wet and thrilling ride, but uneventful. We found Suares and the others well and happy.

The camp was as follows:

Louis Suares, Leader
Edward McCorriston
Andrew Boyd
Henry Kong Lee, Radio and Meteorological Observer

(Andrew Boyd had requested transfer to Canton but when weather and surf prevented landing on December 1st, I cancelled the permission which had been given.)

There was no chance to visit the camp across the island, as all were needed to pull the boat and the water drums in. Five trips were made with the running boat, the last one bringing a string of five water drums and three of gasoline. Boyd and Lee had been sent to the ship for medical examination, the surf being considered too bad to risk the doctor in a boat, and the Homelite charger went out for overhaul.

The Captain decided to stay over night, although with five drums and nine hundred gallons of water already in tanks, we could have sent the men and generator and finished by searchlight, but it was safer to wait over night. The surf got extremely heavy and the period faster during the last trip.

We drifted off at 7:30 P.M.

DECEMBER 7, 1938 (WEDNESDAY)

At 7:00 A.M. we were at the south landing. Operations were started at once on a high tide which would soon be falling. Three trips were made, one to take me in with Major van Ingen to check Weather Bureau and Army equipment. One more drum of gas was landed, and eleven more of water. The generator was repaired under direction of Commander Lawson, chief engineer. Two machinists worked until 1:30 A.M. on it last night.

Operations were completed at 9:40 A.M.

The new colony will have:

Andrew Boyd, Leader
Bernard Akana
Lawrence Ching
Henry Kong Lee, Radio and Meteorological Observer

We went back to the ship through a sea getting quite rough, and sailed for Jarvis Island at 10:20 A.M.

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DECEMBER 8, 1938 (THURSDAY)

On course to Jarvis Island. They report impossible landing conditions. Strong easterly wind steady at 20 knots for days has piled it up. We hope for better surf by the time we get there.

(Note: On evening of 6th Calley on Canton had radioed that Enderbury had failed to observe schedules since yesterday (5th))

Nothing was heard from Enderbury until evening of 7th when Canton learned through Jarvis that his receiver was giving trouble. If nothing had been heard we were considering a run to Enderbury to investigate. At a few minutes after midnight, 12:20 A.M. Dec. 8, we had news of the contact and plans to change course were cancelled.

DECEMBER 9, 1938 (FRIDAY)

On course to Jarvis Island. Message from them last night said surf was getting good, but today it is bad again.

Message tonight said "You should see the channel boil! The beach line is changed by days of heavy surf". Schedule at noon. Missed contact at night.

DECEMBER 10, 1938 (SATURDAY)

Noon schedule says Jarvis surf subsiding so we are hoping to complete the job tomorrow.

(Note: Examination of personnel for Jarvis by Dr. Wolfe, USPHS, Surgeon aboard the "Taney", reveals the fact that Joshua Wood, from Enderbury, has suffered recurring pains in center of abdomen. Although the doctor does not consider the condition at all serious, he recommends that Joshua Wood be returned to Honolulu.

Francis Lee, the paid spare colonist, was informed that he was to disembark at Jarvis.

DECEMBER 11, 1938 (SUNDAY)

"All hands" at 6 A.M. with Jarvis light in sight since 5:15. We landed through the channel with heavy surf on either side, but broken to moderate size in channel. We found the men happy and apparently well.

The camp was as follows:

Frederick Lee, Leader

George Akana

Jacob Haili

Alexander Wong, Radio and Meteorological Observer

The doctor's examination, however, uncovered the fact that George Akana has a chronic case of appendicitis. Recurring pains in right side have bothered him after meals, and the spot was sore to doctor's touch. I immediately informed Francis Stillman the second spare man (without pay to date) to prepare his things to stay in Akana's place. His pay will start this

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date, but oath of office must be executed on next trip by the Commanding Officer of the ship.

Fred Lee, the only man to remain, was found to be in excellent physical condition.

All stores were landed before noon.

The Captain and I walked to the "Amaranth" wreck after lunch. Major van Ingen and his aerographer checked and conditioned the meteorological equipment.

At 3:30 P.M. the ceremony of dedication was held at Jarvis Light, in memory of Carl Kahalewai. The bronze tablet had been cemented in before noon and a flag placed over it ready for unveiling. The plaque reads as follows:

JARVIS LIGHT
DEDICATED TO THE MEMORY OF
CARL K. KAHALEWAI

JARVIS COLONIST WHO DIED ABOARD THE COAST GUARD CUTTER "TANEY" ENROUTE TO HONOLULU ON OCTOBER 8, 1938. HIS DEATH IN THE SERVICE OF THE UNITED STATES OF AMERICA IS A SYMBOL OF THE DEVOTION TO DUTY SHOWN BY ALL THE YOUTHFUL HAWAIIANS WHO HAVE PIONEERED FOR PACIFIC AVIATION ON THE AMERICAN EQUATORIAL ISLANDS.

THIS TABLET WAS PLACED BY CARL'S
RELATIVES AND FRIENDS

Sam Kahalewai, Jr., Carl's brother, cut the cords unveiling the tablet. This day, December 11, would have been Carl's 22nd birthday and it is Sam's 20th birthday.

I gave a short speech of dedication and appreciation, private Dorsey, the "Bard of Hickam Field", read an acrostic on Carl's name as a tribute, Henry Medeiros placed a wreath of green ground-runner and yellow wild ilima flowers of Jarvis over the plaque, and all the Hawaiian boys led by James Kinney, sang a song of farewell "Ma Poina Oe Iau", blending into "Aloha Oe" which was very impressive. (Sam Kahalewai received word on December 2 that his father had died in Honolulu on December 1st. He is now all alone.)

The last boat left the island at about 4:45 leaving new group as follows:

Frederick Lee, Leader
Francis Lee (no relation)
Francis Stillman
Mamuel Pires, Radio and Meteorological Observer

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DECEMBER 12, 1938 (MONDAY)

Steaming for Palmyra Atoll

DECEMBER 13, 1938 (TUESDAY)

We arrived at Palmyra early and anchored at west anchorage. Liberty party and guests, etc., ashore for day of recreation. Commander Cotter went with the Captain and Commander Kelliher in wherry with kicker, to Cooper Island. (Idella and Meng Islands or islands 44 & 45 will be probably leased for use of contractor.

DECEMBER 14, 1938 (WEDNESDAY)

Steaming for Honolulu

DECEMBER 15, 1938 (THURSDAY)

Steaming for Honolulu. Seas and swell heavy, increasing toward evening with rain squalls.

At 7:15 P.M. a sea which swept the deck carried away Brownie, the little brown dog from Jarvis Island. He was being returned to his owner, Elmer Williamson, in Honolulu. His life had been most adventurous. He lived on Baker with Elmer Williamson and then was moved to Jarvis last trip, where he was bitten in the leg by a shark about two months ago.

(Note: Information came out in conversation with island personnel during the trip home that John Roberts was bitten in the leg by a four-foot shark in the Canton lagoon. There was no serious infection after treatment, and the even was never reported to me.

DECEMBER 16, 1938 (FRIDAY)

We arrived at Pier 12, Honolulu, at 4:30 P.M.

The following men returned from island service and were paid off as of this date:

1. James Kinney (Howland Island)
2. Henry Medeiros " "
3. Sam Kahalewai " "
4. Herbert Chang " "
5. Louis Suares (Baker Island)
6. Edward M. McCorriston (Baker Island)
7. Henry Kaahea (Canton Island)
8. Harold Kim (Enderbury Island)
9. Joshua Wood " "
10. Jacob Haili (Jarvis Island)
11. George Akana " "
12. Alexander Wong " "

MEDICAL EXAMINATIONS

All medical examinations during the 14th Cruise were performed by Dr. James M. Wolfe, U.S.P.H.S., the medical officer of the "Taney". Results of these examinations are retained in the file of the office of the Field Representative and in the office of Dr. Wolfe aboard the "Taney".

SUPPLY LISTS - 14TH CRUISE

Items listed were duly landed on Howland,
Baker, Canton, Enderbury, and Jarvis as
noted in narrative.

CASES OR PACKAGES TO BE MARKED IN PAINT OR CRAYON "J", "B", "H", "C", OR "E"

FOOD SUPPLIES - 14TH CRUISE

DECLASSIFIED

Authority 822017

<u>ITEM</u>	<u>EACH ISLAND</u>	<u>TOTAL</u>
1. Apricots, dried, 1 lb. pkgs	2 cases	10 cases
2. Apricots, halves, 24/2-1/2s	24 tins	120 tins
3. Beans and pork, 12 oz.	2 cases	10 cases
4. Beef, corned, 12 oz.	72 tins	360 tins
5. Beef, dried, sliced, Star, 3/1/2 oz.	24 jars	120 jars
6. Beef stew, 24/24/oz.	24 tins	120 tins
7. Beets, sliced, 24/20 oz.	24 tins	120 tins
8. Biscuit Mix, flour 12/40 oz.	8 pkgs	40 pkgs
9. Bread, Family Friend, brown, 12/16 oz.	24 tins	120 tins
10. Butter, canned	1 case	5 cases
11. Candy bars, Oh Henry	3 cartons	15 cartons
12. Candy bars, Snickers	1 carton	3 cartons
13. Cereal, Quaker Quick Oats	12 pkgs	36 pkgs
14. Chili Con Carne with beans, 24/10 $\frac{1}{2}$ oz.	1 case	5 cases
15. Coffee, small packages	15 lbs	75 lbs
16. Cookies, assorted, sweet	24 lbs	120 lbs
17. Corn Beef Hash, 11 oz.	36 tins	180 tins
18. Corn, cream, 24/11 oz.	24 tins	120 tins
19. Corn Niblets, Del Maize, 24/12 oz.	2 cases	10 cases
20. Cornflakes, Kellogg, 36/8 oz.	24 pkgs	120 pkgs
21. Crackers, saloon pilot	75 lbs	375 lbs
22. Extract, lemon	2 btls	10 btls
23. Extract, vanilla	2 btls	10 btls
24. Grape juice	1 case	5 cases
25. Grapefruit juice	4 cases	20 cases
26. Flour, wheat, Pillsbury's, 4.9 bag	20 bags	100 bags
27. Garlic	2 lbs	10 lbs

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<u>ITEM</u>	<u>EACH ISLAND</u>	<u>TOTAL</u>
28. Ginger root	2 lbs	10 lbs
29. Honey, 16 oz. jars	1 case	5 cases
30. Jam, guava, Island, 12 oz.	16 jars	80 jars
31. Lard, substitute, 8 lbs	5 tins	25 tins
32. Lime rickey, 6/28 oz.	12 btls	60 btls
33. Macaroni, dry, 24/8 oz.	10 pkgs	50 pkgs
34. Milk, evaporated, Alpine, 48/1s	5 cases	25 cases
35. Miracle Whip Mayonnaise	12 jars	60 jars
36. Peaches, dried, 1 lb pkgs	1 case	5 cases
37. Peaches, sliced, 24/2/1/2s	48 tins	240 tins
38. Peanut butter, 24/16 oz.	8 tins	40 tins
39. Peas, large choice, 24/2s	24 tins	120 tins
40. Pickles, sweet mix, 24/16 oz.	4 btls	20 btls
41. Pineapple juice	2 cases	10 cases
42. Pineapple, sliced, 24/2-1/2	1 case	5 cases
43. Poi, canned, 1 lb. 12 oz.	240 tins	1200 tins
44. Powder, baking, Royal, 24/8 oz.	6 tins	30 tins
45. Raisins, seedless, 48/15	16 pkgs	80 pkgs
46. Rice, 100 lb.	2 bags	10 bags
47. Salad Oil, Wesson or Mazula or equal	1 gallon	5 gallons
48. Salmon, 48/1s	2 cases	10 cases
49. Salt, Hawaiian	3 bags	15 bags
50. Sardines in oil, domestic	2 cases	10 cases
51. Soda, baking, 1 lb. carton	2 cartons	10 cartons
52. Soup, chicken-gumbo, Campbell, 48/1s	48 tins	240 tins
53. Soup, chicken & mushroom Campbell, 48/1s	48 tins	240 tins
54. Soup, vegetable, Campbell, 48/1s	48 tins	240 tins

<u>ITEM</u>	<u>EACH ISLAND</u>	<u>TOTAL</u>
55. Soy bean sauce in 1 gal. bottle	1 gallon	5 ballons
56. Spaghetti, dry, #4/8 oz.	10 pkgs	50 pkgs
57. Sugar, white, 100 lbs bag	1 bag	5 bags
58. Syrup, Karo, blue label, 24/1-1/2s	1 case	5 cases
59. Tapioca, Albert, Instant 24/8 oz.	1 case	5 cases
60. Tea, black, English breakfast, 8 oz.	4 pkgs	20 pkgs
61. Tomato juice	3 cases	15 cases
62. Tomato sauce, 72/1/2s	24 tins	120 tins
63. Tomato, solid pack, 48/1s	48 tins	240 tins
64. Tongue, cooked, lunch, Star, 24/6 oz.	48 tins	240 tins
65. Vegetable for salad, 48/8 oz.	48 tins	240 tins
66. Vinegar, cider, 16 oz., Jones	3 btls	15 btls

TO BE PACKED FOR CHILL ROOM

67. Ham, sweet pickled, cured	2 only	10 only
68. Onions, dry	3 bags	15 bags
69. Potatoes, Irish, 100 lb. bag	4 bags	20 bags
70. Potatoes, sweet	2 crates	10 crates
71. Sausage, Salami, dry	3 only	15 only
72. Bacon, sweet pickled, cured	8 slabs	40 slabs
73. Beef, jerked	15 lbs	75 lbs
74. Beef, rib, fresh frozen	10 lbs	50 lbs
75. Cheese, processed, American, 5 lb. brick	20 lbs	100 lbs

EQUIPMENT - 14TH CRUISE

ITEM	NOWLAND	BAKER	CANTON	ENDERBURY	JARVIS	TOTAL
1. Kerosene, 50 gal. drum	2	2	2	2	2	10
2. Gasoline, 50 gal. drum, white	5	3	9	3	9	29
3. Hydrogen (See Navy letter Oct.5 re cyl.)			5		5	10
4. Steel Rod, spring 3/16" x 12'	4	4	4	4	4	20
5. Matches, Gold Medal, 10's	48	48	48	48	48	240
6. Oil, heavy lubricating, 5 gal. cans	4	4	4	4	4	20
7. Oil, extra heavy lub. 5 gal. cans			5		5	10
8. Record books, medium size	1	1	1	1	1	5
9. Dry Cells #6 1.5 volt, cartons	2	2	2	2	2	10
10. Coffee Percolator 6-8 cup, not electric	1	1	1	1	1	5
11. 8d Nails, wire, pounds	10	10	10	10	10	50
12. 10d Nails, wire, pounds	10	10	10	10	10	50
13. Dish towels, Navy standard, dozen	1	1	1	1	1	5
14. Dish cloths, Navy standard, dozen	1	1	1	1	1	5
15. Bath towels, Navy standard	4	4	4	4	4	20
16. Pencils, 2 H. boxes of 1 dozen	1	1	1	1	1	5
17. Hydrometer, complete	1	1	1	1	1	5
18. Hydrometer floats, spare	2	2	2	2	2	10
19. Lumber, rough, 1" x 6" for dunnage (Random lengths)				TOTAL	1000 lineal	feet
20. Approximately 40 drums available at Dearborn Chemical Company, 941 Waimanu Street, Honolulu, T. H., which are to be picked up to be chemically cleaned.						

EQUIPMENT - 14TH CRUISE
SUPPLEMENTARY ORDER

ITEM	HOWLAND	BAKER	CANTON	ENDERBURY	JARVIS	TOTAL
1. Iron, corrugated, galvanized	16		16		16	32
2. Gutters, 6" galvanized, 8' lengths			6			6
3. Cement, Portland, bags	5	5	20	5	5	40
4. Aluminum powder, cans	6					6
5. Bulbs, flashlight for standard 3 cell, doz 1		1	1	1	1	5
6. Paper, roofing, 36" double tar, small roll 4		1	1	1	4	11
7. Varnish, 5 gal. can			1			1
8. Paint, dark grey, gals.	2	2	2	2	2	10
9. White wash, bags	1	1	1	1	1	5
10. Lime, bags	1	1	1	1	1	5
11. Lumber, rough 2" x 4" x 10'	12	12	12	12	12	60
12. Lumber, ship-lap, Sls	12	12	12	12	12	60
13. Lath, rough, Standard width by 10' 48" bundles	3	3	3	3	3	15
14. Stain, gray, 5 gal. cans	1	1	1	1	1	5
15. Handle, for 12 lb. sledge hammer	1	1	1	1	1	5
16. Handle, for standard claw hammer	2	2	2	2	2	10
17. Cheesecloth, small bolt	1	1	1	1	1	5
18. Nails, shingle, lbs.	2	2	2	2	2	10

THE COLEMAN LAMP AND STOVE CO.	QUANTITY	PURCHASE ORDER NO. 31
Generators, T66	10	
Generators, T44	10	
Pyrex Globes, 550	5	
Pyrex Globes, 330	5	
Gaskets, 118B-136	10	
Gaskets, 603-136	10	
Gaskets, 650-136	10	
Mantles, #21A	10 doz.	
Grate, 375A444	1	
Oven, 803	2	
Tank, 974A191	1	
Generator, 940-262	10	
Skillets, 7	2	
WALL, NICHOLS CO., LTD.		PURCHASE ORDER NO. 32
Magazines & Scratch pads	5 lots	
E. O. HALL & SON		PURCHASE ORDER NO. 34
Heavy Duty "B" Batteries, 45 v.	27	
Standard "B" Batteries, 45 v.	3	
RADIO WHOLESALE SUPPLY CO. (JARVIS)		PURCHASE ORDER NO. 36
Double button mike w/stand	1	
Mike transformer for same	1	
Resistor 15 ohm 10 w. wire wound	2	
1 mfd 3000 v. coupling condenser	1	
1,500 ohm 1 w. resistor	1	
4 mfd 400 v. bypass condenser	1	
5000,00 ohm potentiometer	1	
400 ohm potentiometer	1	

RADIO WHOLESALE SUPPLY CO. (CANTON ISLAND)

PURCHASE ORDER NO. 37

- $\frac{1}{2}$ doz. 6 v. dial globes (110A.C.)
- $\frac{1}{2}$ doz. 6 v. dial globes (battery set)
- 1 Tube 5W4 for tube tester
- 1 Telephone interlocking relay Dunco type CX 1493 (or equal)
- 1 Code practice buzzer

RADIO WHOLESALE SUPPLY CO. (BAKER ISLAND)

PURCHASE ORDER NO. 38 & 39

- | | |
|--|--|
| 2 6L6 Glass Tubes | 1 Tube type 47 |
| 1 25,000 ohm 100 w. bleeder | 1 Tube type 801 |
| 1 doz. 10 amp. fuses, auto type | 1 Tube type 6F6 |
| 1 amateur call book | 2 Tube type 6K7 |
| 1 doz. large battery clips | 1 5000 ohm 50 w. tapped bleeder resistor |
| $\frac{1}{4}$ # Nr. 32 DCC wire | 1-30 ohm rheostat 2 amp. |
| 1 DPDT Knife Sw. | 1 doz. 10 amp. cartridge fuse |
| 1 SPDT Knife Sw. | $\frac{3}{4}$ #12 enamelled wire |
| 1 Tape, large roll | 1 250,000 ohm resistor |
| 200' #12 antenna wire | 2 DPDT Sw. large |
| 1 doz. Fahm stock clips | 2 DPDT Sw. large |
| $\frac{1}{2}$ doz. Battery clips small | 1 Magnetic speaker |
| 1 roll 1" solder wire | 1 Blow torch |
| 4 porcelain stand off insulator | |

LEWERS AND COOKE, LTD. (CANTON ISLAND)

PURCHASE ORDER NO. 40

- 1 qt. 1081 Ind. Enamel Green
- 1 qt. 1082 " " Red
- 5 Pyrene Extinguishers (1 qt.)(ALL ISLANDS)
- 5 cans refill solution

PURCHASE ORDER NO. 41

RADIO WHOLESALE SUPPLY CO. (ENDERBURY)

PURCHASE ORDER NO. 42

- 3 #76 Tubes
- 50 feet #14 insulated, for battery use
- 200 feet #12 antenna wire

RADIO WHOLESALE SUPPLY CO. (ENDERBURY)Cont.

PURCHASE ORDER NO. 42

1 doz. 10 amp. cartridge fuses
1 5000 ohm wire wound resistor
2 4 prong tube sockets
1 6 prong tube socket
Large roll friction tape
1 doz. battery clips, large
1 doz. small clips

VON HAMEL YOUNG CO. (HOWLAND)

PURCHASE ORDER NO. 43

1 U.S. Electric gasoline driven generator, 250 watts, 115 volts A.C.
and 6 volts D.C. plus spare spark plugs and operating instructions

PACIFIC GUANO AND FERTILIZER CO.

PURCHASE ORDER NO. 45

storage battery Electrolyte (1,400) in gallon bottles. Two gallon
bottles crated together to each island.

Nutrient solution (powder) for water culture on CANTON ISLAND

LEWERS AND COOKE, LIMITED

PURCHASE ORDER NO. 46

2 pr. hinges
1 3 $\frac{1}{2}$ " Hasp
1 Galv. sprinkling can
120 feet $\frac{3}{4}$ " mesh galv. screen
3 lbs. galv. staples, 3 $\frac{1}{4}$ "
2 gal. Asphalt paint
1 metal cutting saw
5 Hair clippers (ALL ISLANDS)
5 Barber scissors " "
1 Heavy skillet (HOWLAND ISLAND ONLY)
1 small vise, metal (BAKER ISLAND ONLY)
10 yards galv. Inset screen (CANTON ISLAND ONLY)