

August 25, 2000

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CR9108-1.TJR

## CRUISE REPORT

**VESSEL:** *Townsend Cromwell*, Cruise 91-08 (TC-166)

### CRUISE

**PERIOD:** 12-17 September 1991

### AREA OF

**OPERATION:** Northwestern Hawaiian Islands (NWHI) (Fig. 1)

### TYPE OF

**OPERATION:** Supplies, equipment, and personnel from the Marine Mammal and Endangered Species Program (MMESP), Southwest Fisheries Center (SWFSC) Honolulu Laboratory (HL), National Marine Fisheries Service (NMFS), NOAA were retrieved from Midway Island and monk seal field camps at Pearl and Hermes Reef, Laysan Island, and Tern Island (French Frigate Shoals). In addition, U.S. Fish and Wildlife Service (USFWS) personnel were transported from Midway Island to Laysan Island, and from Laysan and Tern Islands to Honolulu.

### ITINERARY:

- 12 September - Start of cruise at Midway Island. Loaded MMESP gear that had previously been transported to Midway from Laysan and Lisianski Island camps. Also loaded drift nets and associated deployment gear that had been stored on Midway. Embarked Timothy Ragen (NMFS) and Pamela Bruce (USFWS). Departed Midway at 1600 (Midway time).
- 13 September - Arrived Pearl and Hermes Reef at 0800 (Honolulu time). Loaded equipment and supplies from field camp. Embarked John Henderson, Michele Finn, Leona Laniawe, Dick Bauer, and Vanessa Gauger. Departed Pearl and Hermes Reef at 1130.

- 14 September - Arrived Laysan Island at 1015. On-loaded MMESP gear, off-loaded equipment, supplies, and fresh water for USFWS field camp. On-loaded trash and recycleables from combined USFWS/MMESP field camp. Disembarked Pamela Bruce and embarked Rob Rydell. Departed Laysan Island at 1215.
- 15 September - Arrived Tern Island, French Frigate Shoals, at 1715. Loaded MMESP equipment and recycleables from field camp. Timothy Ragen taken ashore for short tour of Tern Island. Ragen and Bob Cummings embarked, and vessel departed Tern Island at 1900.
- 17 September - Arrived Snug Harbor, Honolulu at 1730. Disembarked Timothy Ragen, John Henderson, Michele Finn, Leona Laniawe, Dick Bauer, Vanessa Gauger, Bob Cummings, and Rob Rydell at 1830. End of cruise.

#### MISSIONS AND RESULTS:

- A. Retrieve field camp gear from Midway Island, Pearl and Hermes Reef, Laysan Island, and Tern Island.

All gear from field camps was successfully loaded on the *Townsend Cromwell* and transported to Snug Harbor, Honolulu. Gear was "debugged" by freezing, hand-spraying with insecticide, and storing in the baitwells and bombing with insecticide. Gear was secured on the vessel by MMESP and vessel crew and removed from the vessel on 18 September 1991, the day after the end of the cruise.

- B. Transport MMESP field camp personnel from Pearl and Hermes Reef to Honolulu.

Personnel embarked *Townsend Cromwell* on 13 September and disembarked in Honolulu on 17 September.

- C. Transport NMFS drift nets and deployment gear from Midway Island to Honolulu.

This objective was not stated in the cruise instructions but was undertaken as a result of unscheduled changes in plans for TC-91-06. This gear was successfully returned to Honolulu.

- D. No actual scientific data were collected by MMESP personnel on this cruise. However, extensive monk seal life history data were collected by the field camps supported by the *Townsend Cromwell*. Those data have been returned to Honolulu.

and are currently being entered into a computer database for checking and analysis. Results from these analyses are not yet available.

**RECORDS:**

The following forms, logs, charts, and data records were kept and given to the Honolulu Laboratory upon termination of the cruise. All the records are filed there unless indicated otherwise in parentheses.

Marine operations log  
 Ship's weather log  
 ADCP Bernoulli disk  
 SEAS XBT floppy disk  
 SWFSC marine mammal & bird sighting log  
 SCS/VAX compressed data tape

**SCIENTIFIC**

**PERSONNEL:**

Timothy Ragen, Chief Scientist, National Marine Fisheries Service (NMFS), Southwest Fisheries Science Center (SWFSC), Honolulu Laboratory (HL).

John Henderson, Fishery Biologist, NMFS, SWFSC, HL.

Michele Finn, NOAA Corps Officer, NMFS, SWFSC, HL.

Leona Laniawe, Biological Aide (Wildlife), NMFS, SWFSC, HL.

Richard Bauer, Research Assistant, NMFS, SWFSC, HL.

Vanessa Gauger, Cooperating Scientist, University of Hawaii (UH).

Robert Rydell, Cooperating Scientist, U.S. Fish and Wildlife Service (USFWS).

Bob Cummings, Cooperating Scientist, USFWS.

Pamela Bruce, Cooperating Scientist, USFWS.

Submitted by:

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 Timothy J. Ragen  
 Chief Scientist

Approved by:

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 George W. Boehlert  
 Director, Honolulu Laboratory

Attachment

