

November 26, 1997 F/SWC2:CY:FLF
NR9707-1.CY

CRUISE REPORT¹

VESSEL: *Townsend Cromwell*, Cruise 97-07 (TC-222)

**CRUISE
PERIOD:** July 15-30, 1997

**AREA OF
OPERATION:** Northwestern Hawaiian Islands (Fig. 1)

**TYPE OF
OPERATION:** Disbanded Marine Mammal Research Program (MMRP)
field camps at Kure Atoll, Pearl and Hermes Reef,
and Laysan Island.

ITINERARY:

- 15 July - Embarked Birget Buhleier, Frank Parrish, Katherine McMahon, Hadie Muller, and Mari von Hoffman. Departed Snug Harbor 1000.
- 17 July - Arrived French Frigate Shoals 1400. Off-loaded supplies and gasoline. Disembarked Buhleier and Parrish. Departed French Frigate Shoals 1700.
- 19 July - Arrived Laysan Island 0800. Off-loaded Fish and Wildlife Service (FWS) supplies. Disembarked McMahon, Muller, and von Hoffman. Departed Laysan Island 1400.
- 21 July - Arrived Kure Atoll 0900. Loaded field equipment and supplies including 14' Livingston boat. Embarked Katherine McFadden, Chad Middleton, and Bradley Ryon. Departed Kure 1700.
- 22 July - Arrived Pearl and Hermes Reef 0800. Loaded field equipment and supplies, including 17' Boston Whaler and 13' Boston Whaler. Embarked Chad Yoshinaga, Irene Kinan, Kim Raum-Suryan, and Carolyn Cornish. Departed Pearl and Hermes Reef 1700.

¹This is a combined Cruise and Narrative report.

- 24 July - Arrived Laysan Island 0800. Loaded field equipment and supplies. Embarked Amber Pairis, Josh Adams, Carolyn Mostello, Christina Sulzman, and Heather Ziel. Departed Laysan 1100.
- 26 July - Arrived French Frigate Shoals 1500. Off-loaded supplies. Loaded trash and recyclables. Departed French Frigate Shoals 1800.
- 27 July - Arrived Necker Island 0800. Conducted shore survey of island. Departed Necker Island 1700.
- 29 July - Arrived Niihau Island 0800. Conducted boat survey of Hawaiian monk seals on Lehua Island and northwest shore of Niihau Island. Departed Niihau 1200.
- 30 July - Arrived Honolulu 0800. Disembarked Yoshinaga, Kinan, Raum-Suryan, Cornish, McFadden, Ryon, Middleton, Pairis, Adams, Mostello, Sulzman, and Ziel. Off-loaded equipment and supplies. End of cruise.

MISSIONS AND RESULTS:

- A. Broke down existing field camps at Pearl and Hermes Reef, Kure Atoll, and Laysan Island, embarking all field personnel.
- B. Transported field personnel, equipment, and supplies to French Frigate Shoals.
- C. Conducted shore census of monk seals at Necker Island.
- D. Conducted boat survey of seals at Niihau island.

SCIENTIFIC PERSONNEL:

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

Irene Kinan, Cooperating Scientist, Joint Institute for Marine and Atmospheric Research (JIMAR)

Kim Raum-Suryan, Cooperating Scientist, JIMAR

Carolyn Cornish, Cooperating Scientist, JIMAR

Katherine McFadden, Cooperating Scientist, JIMAR

Bradley Ryon, Cooperating Scientist, JIMAR

Chad Middleton, Cooperating Scientist, Department of Land and Natural Resources (DLNR)

Amber Pairis, Cooperating Scientist, JIMAR

Josh Adams, Cooperating Scientist, JIMAR

Katherine McMahon, Cooperating Scientist, U.S. Fish and Wildlife Service (USFWS)

Hadie Muller, Cooperating Scientist, USFWS
Mari von Hoffman, Cooperating Scientist, USFWS
Carolyn Mostello, Cooperating Scientist, USFWS
Christina Sulzman, Cooperating Scientist, USFWS
Heather Ziel, Cooperating Scientist, USFWS
Birget Buhleier, Cooperating Scientist, National Geographic
Society Television
Frank Parrish, Wildlife Biologist, NMFS

Submitted by:

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Attachment