

December 18, 2002 F/SWC2:RBM:FLF
PI0301-1.SGP

MEMORANDUM FOR: MOC - RADM Nicholas A. Prah1
FROM: F/SWC2 - Samuel G. Pooley
SUBJECT: Preliminary Cruise Instructions for the NOAA
ship *Oscar E. Sette*

Attached are the preliminary cruise instructions for *Oscar E. Sette* cruise OS-03-01 (OS-2).

Attachment

cc: Commanding Officer, *Oscar E. Sette*
Richard Neal, F/SWC

Commanding Officer

NOAA Ship *Oscar E. Sette*

PRELIMINARY CRUISE INSTRUCTIONS: OS 03-01 (OS-02) (Fig. 1)

1.0 SCHEDULE

The NOAA ship *Oscar E. Sette* will be engaged as support for a Honolulu Laboratory (HL), Southwest Fisheries Science Center (SWFSC), National Marine Fisheries Service (NMFS), NOAA, project from February 4-19, 2003 for a total of 16 sea days in the main Hawaiian Islands. The banks surveyed and amount of time spent at each site will depend on the progress of the cruise and weather conditions.

1.1 Specimen collections will be made using traps, trawls, and other collection equipment to provide material for fatty acid analysis of the seals' diet.

1.2 Itinerary (Planned)

- | | |
|---------------|--|
| 4 February | Embark Robert Marshall and Robert Moffitt.
Depart Honolulu and head to Cross Seamount. |
| 5-18 February | Set gear and collect fatty acid analysis specimens at Cross Seamount and various main Hawaiian Island locations including Penguin Banks and Haleiwa. |
| 19 February | Arrive Honolulu. End of cruise. |

2.0 SCIENTIFIC OBJECTIVES

2.1 Objectives of the cruise are:

- a. Collect fish specimens for monk seal forage base collections using divers, traps, and other gear used both day and night.
- b. Set and retrieve camera equipped lobster traps to test a habitat impact assessment gear.

3.0 SCIENTIFIC PERSONNEL

3.1 Chief Scientist, Robert Moffitt

3.2 Scientific Staff

<i>Name</i>	<i>Title</i>	<i>Sex/Nat.</i>	<i>Organization</i>
Robert Marshall	Research Associate	M/CAN	JIMAR
Robert Moffitt	Chief Scientist	M/USA	NMFS

3.3 Before sailing, all scientific personnel will complete a NOAA Health Services Questionnaire (NHSQ), which will be given to the Commanding Officer at the beginning of the cruise.

Clearances are valid for 2 years for scientists under age 50 and 1 year for age 50 and over. A statement of conduct memorandum delineating the NOAA policy on sexual harassment and use of illegal drugs and alcohol will also be distributed to all scientific personnel, and an acknowledgment of the receipt of this memorandum will be required.

4.0 OPERATIONAL PLANS

The following operational plans can be considered only a guide as to how the Chief Scientist expects the surveys to progress without being able to predict the weather, operational

and scheduling problems, and equipment failures.

4.1 The Chief Scientist has the authority to revise or alter the technical portion of the instructions as work progresses, provided that, after consultation with the Commanding Officer, it is ascertained that the proposed changes will not: (1) jeopardize the safety of personnel or the ship, (2) exceed the overall time allotted for the project, (3) result in undue additional expenses, and (4) alter the general intent of the cruise instructions. In addition, the Chief Scientist must notify the Office of the Director of the Honolulu Laboratory at the earliest opportunity prior to making: (1) deviations from the general cruise track or area of operations noted in the cruise instructions, (2) changes or additions of research operations to those specified in the cruise instructions, or (3) port calls not specifically identified in the cruise instructions.

4.2 A pre-cruise meeting between the Chief Scientist, the Commanding Officer and their respective staffs will be held prior to commencement of operations to identify operational and logistic requirements.

4.3 Prior to sailing, ship's crew will inspect the hydraulic pot hauler, a suitable winch for towing a 12-ft shrimp trawl, and the scientific freezer to ensure that they are in proper working order.

5.0 EQUIPMENT

All mission equipment must be operational at the time of departure.

5.1 The ship will provide the following:

Pot hauler

Freezer

Winch for trawl

5.2 The NMFS HL will provide:

Traps (collapsible, panel, and lobster)

Shrimp trawls (8 ft and 12 ft)

Bait

Floats, line, and other gear necessary to accomplish
cruise objectives.

5.3 The NMFS, HL will provide the following chemicals:

None.

5.4 The Chief Scientist shall be responsible for complying with NC Instruction 6280B, Hazardous Materials and Hazardous Waste Policy, Guidance, and Training, dated May 8, 1991. By federal law, the ship may not sail without a complete inventory of MSDS and appropriate neutralizing agents, buffers and/or absorbants in amounts adequate to address spills of a size equal to the amount of chemicals brought aboard.

The Chief Scientist shall be responsible for insuring that all hazardous materials brought aboard the vessel by scientific personnel will be removed at the end of the cruise.

6.0 RECORDS AND REPORTS

6.1 *Marine Observations Log*: A Marine Observations Log will be maintained during the cruise. Other forms required by the Chief Scientist for each of the operations will be integrated

into the Marine Operations Log.

6.2 *Station Plot:* The position of each operation and station will be plotted on charts generated by Seaplot navigation software. Ship's personnel will supply the Chief Scientist with copies of these charts at the end of the cruise.

6.3 *Data Disposition:* The Chief Scientist will be considered to be the representative of the NMFS Honolulu Laboratory Director for purpose of data disposition. A single copy of all data gathered by the vessel will be delivered to the Chief Scientist upon request for forwarding to the Laboratory Director, who in turn will be responsible for distribution of data to other investigators desiring copies.

6.4 *Post-cruise Debriefing:* A post-cruise debriefing will be held between the Chief Scientist and the Commanding Officer. If serious problems are identified, the Commanding Officer shall notify the marine center by the most direct means available. The Chief Scientist shall document identified problems in the Ship Operations Evaluation Form.

7.0 ADDITIONAL INVESTIGATIONS AND PROJECTS:

7.1 *Additional Investigations:* Any other work done during the cruise period will be subordinate to the main project and performed so as not to interfere with that outlined in these instructions. The Chief Scientist will be responsible for determining the priority of additional work relative to the main project.

7.2 *Ancillary and Piggyback Project:*

7.2.1 *Definition:* Ancillary and piggyback projects are secondary to the objectives of the cruise and should be treated as additional investigations. The difference between the two types of secondary projects is that an ancillary project does not have representation aboard and is accomplished by the ship's force.

7.2.2 *Ancillary Projects:* Ancillary tasks will be accomplished in accordance with the NOAA Fleet Standing Ancillary Instructions.

7.3 *Piggyback Projects:*

7.3.1 The SWFSC HL bird, aquatic marine mammal, and fish school sightings log, per Chief Scientist instructions.

8.0 MISCELLANEOUS:

8.1 *Navigational Control:* Primary control during the project will be GPS, visual, radar, etc.

9.0 COMMUNICATIONS:

9.1 Chief Scientist activity reports will be sent to the Director, Honolulu Laboratory. As required, the command will assist the Chief Scientist by establishing communication with the NMFS HL via the most effective means.

Since it is sometimes necessary for the scientific staff to communicate with other research vessels, commercial vessels, and shore-based NOAA facilities, the Chief Scientist or his designee may request the use of the radio transceivers aboard the vessel.

The *Oscar E. Sette* is equipped with INMARSAT, a telephone system with voice and fax capability. If the scientific staff uses this system, they will be obligated to pay for incoming and outgoing calls, which are estimated at \$3.00 per minute for airtime, plus any applicable long distance charges charged to the ship's number.

The *Oscar E. Sette* is equipped with cellular telephone capability. If the scientific staff uses this system, they will be obligated to pay for incoming and outgoing calls, which are estimated at \$1.00 per minute for airtime, plus any applicable long distance charges charged to the ship's number.

The *Oscar E. Sette* is equipped with e-mail capabilities using the INMARSAT system. If the scientific staff uses e-mail, they will be obligated to pay for incoming and outgoing messages, which are estimated at \$0.20 per kilobyte.

Communication charges incurred by the scientific staff will be paid at the conclusion of the cruise with a check payable to "DOC/NOAA." Receipts and copies of itemized communication charges will be furnished by the ship upon receipt.

RADM Nicholas A. Prahl, NOAA
Director, Marine Operations Center

Samuel G. Pooley
Acting Director
Honolulu Laboratory

Attachment

Distribution: Chief Scientist
F/SWC F/SWC2
MOC MOC13
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