

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-202

MISSION STATUS

Location: Leeward Lanai
Mission Date: July 31, 1992
Maximum Depth: 500 m
Project Title: Daytime habitat of the Mesopelagic Boundary Community
Project Leader: R.E. Young
Address: University of Hawaii
Dept. of Oceanography
1000 Pope Road MSB 631
Honolulu, HI 96822
Phone: 956-7024
Observers: S. Reid, R.E. Young
Address: Same

Scientific Data Acquired : Prepare an abstract outlining your objectives, techniques, findings, etc.

Examine distribution of mesopelagic animals between 250 and 500 m. Develop survey techniques using T.V., visual and echosounding techniques. Findings: Echosounder was not functioning properly and low-8 T.V. failed at beginning of dive. Techniques to be worked out on subsequent dive. Many mesopelagic animals were observed. Distribution patterns were apparent and survey techniques to quantify these patterns appear to be feasible. Unexpected observations on unusual pelagic octopods were a real bonus.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Low-8 T.V. failed
Echosounder not functioning properly
Slurper was not effective
Camera strobe failed

Recommendations for corrective action or improvement:

Fix equipment.
Slurper may need greater suction power. Needs a funnel at
collecting end.

In your opinion, did the mission essentially achieve its purpose?
Compare actual work accomplished with the work that was expected
to be accomplished.

In spite of above equipment failure, our most important
goals were achieved. We located midwater animals. We were
able to make positive identifications and we detected clear
distribution patterns.

List specimens or samples collected on the mission.

None.

DATA RELEASE

Data may be retained by the project leader for up to 2 years after the mission date with the following exception. NOAA may request to use photos for publication or publicity purposes at any time.

Fill in the appropriate statement below and sign this form.

I hereby release the data archived by HURL for public consumption following mission Daytime habitat of the M.B.C.
(project title) held on July 31, 1992 (date) in the following way:

- a. CTD data by July 31, 1992 (date)
- b. voice transcripts, video, and still camera film
by July 1994 (date)
- c. other N/A (date)
- d. I will give my written consent to individuals wishing to use these data prior to the above dates depending on the nature of the request(s).

Project Leader