

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-225

## MISSION STATUS

Location: Off Kailua-Kona  
Mission Date: September 30, 1992  
Maximum Depth: 550 m  
Project Title: Reproductive Biology of Bathyal Echinoderms  
Project Leader: Craig M. Young  
Address: Harbor Branch Oceanographic Institution  
5600 Old Dixie Hwy.  
Ft. Pierce, FL 34946  
Phone: (407) 465-2400 ext. 303  
Observers: Dr. R. Emson, Dr. Craig Young  
Address: Division of Biosciences  
Kings College  
University of London  
ENGLAND

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

Major objectives were two-fold: 1) to collect Aspidodiadema sp., an echinoid with unusual elongate sperm to clarify the fertilization process, and 2) to survey distribution and reproductive status of other echinoderm species. Both objectives were achieved completely. Ten specimens of Aspidodiadema were brought to the surface in cold water.

## MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None.

Recommendations for corrective action or improvement:

- hydraulic cylinders to open collecting box supplied by scientists
- suction hose should be attached to manipulator.

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

Everything accomplished and more.

List specimens or samples collected on the mission.

- Phormosoma sp. (2)
- Aspidodiadema sp. (10)
- Ophidiasterid sea-star (1)
- Goniasterid sea-star (1)
- Euryalid ophiuroid on gorgonian (1)

## 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 Reproductive Biology of Bathyal Echinoderms (project title) held on September 30, 1992 (date) in the following way:

- a. CTD data by September 30, 1992 (date)
- b. voice transcripts, video, and still camera film by September 30, 1994 (date)
- c. other September 30, 1994 (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).

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Project Leader