

## HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-223

## MISSION STATUS

Location: Off Kailua-Kona (5 mi.) 19°38'7"N,  
56°05'49"W

Mission Date: September 27, 1992

Maximum Depth: 1946 m

Project Title: Reproductive Biology of Deep-sea Animals

Project Leader: Dr. C.M. Young

Address: Harbor Branch Oceanographic Institute  
5600 Old Dixie Hwy.  
Ft. Pierce, FL 34946

Phone: (407) 465-2400 ex.303

Observers: Dr. R.H. Emson and Dr. P.A. Tyler

Address:

Phone: Contact C.M. Young

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

This dive had the primary aim of collecting the sea-urchin Phrissocystis for studies of the effects of pressure on the development of fertilized eggs. Other aims were to observe and identify other echinoderms and associated fauna as part of a study of the zonation of the fauna at this site (see results of other dives).

We were successful in finding and collecting Phrissocystis and in establishing that a large population exists at the dive site. A number of other species were observed and videoed and one specimen of a large sea-star of particular interest was collected.

## MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Still photographs not possible. Fault with strobe.

Recommendations for corrective action or improvement:

Fix strobe

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

The mission was highly successful and achieved more than could have been expected. Skilled crew and some good fortune were responsible.

List specimens or samples collected on the mission.

- Phrissocystis (echinoid)
- Brisingid sea-star, identity not known

## 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 P5-223, Reproductive Biology of Deep-sea Animals (project title) held on September 9, 1992 (date) in the following way:

- a. CTD data by \_\_\_\_\_ (date)
- b. voice transcripts, video, and still camera film  
by \_\_\_\_\_ (date)
- c. other \_\_\_\_\_ (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