

OPTICAL TECHNOLOGY DIVISION
OPTO-MECHANICAL DESIGN ENGINEERING

Memorandum ME 60

TO: Distribution

DATE: September 30, 1971

FROM: L.B. Molaskey ✓

SUBJECT: Trip Report - Recovery of #3 - San Diego, California - Activities
of 9-22-71

It was reported this morning that the DeSteiguer, the search ship which is being outfitted in Seattle, Washington, has been delayed due to a cable/winch problem. At last report it was two days behind schedule and slipping on a day for day basis until the problem is solved. They report that it should set out for the site on Thursday 9-23-71.

Most of the day was spent rigging the hook to the Trieste in such a manner that it won't swing around in heavy sea and damage the instrumentation located in the area. The Trieste's crew fabricated a channel iron frame which they mounted to the bow structure. They then bolted the hook in place and found that the structure was too flexible to secure the hook adequately.

I recommended the addition of a couple of braces that were then fabricated, welded in place, and did the job.

They are also rerouting the hoist cable so as to locate the hook closer to the manipulator to avoid having to drive up to the payload to operate the hook. This has been a problem and as yet is not solved. More work is scheduled on it for tomorrow.

Close inspection of the hook revealed that it doesn't open as far as it should. There is probably a dimensional error in the positioning of the latch mechanism. Although it opens enough to surround the test shape, it leaves little room for maneuvering. To alleviate this I had them shorten the center rod on each side by about 3 inches. This provides a minimum opening of 70 inches which should be adequate.

It was also reported today that the "test shape" provided by SPO was the wrong one. A new one is scheduled to arrive at noon on Thursday 9-23. We will have to drill some holes and instrument the dummy to allow it to sink and be able to find it on the bottom.

No word yet on the ice machines. That will be checked tomorrow.

LBM/cj

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~~RD Molaskey for~~
L.B. Molaskey