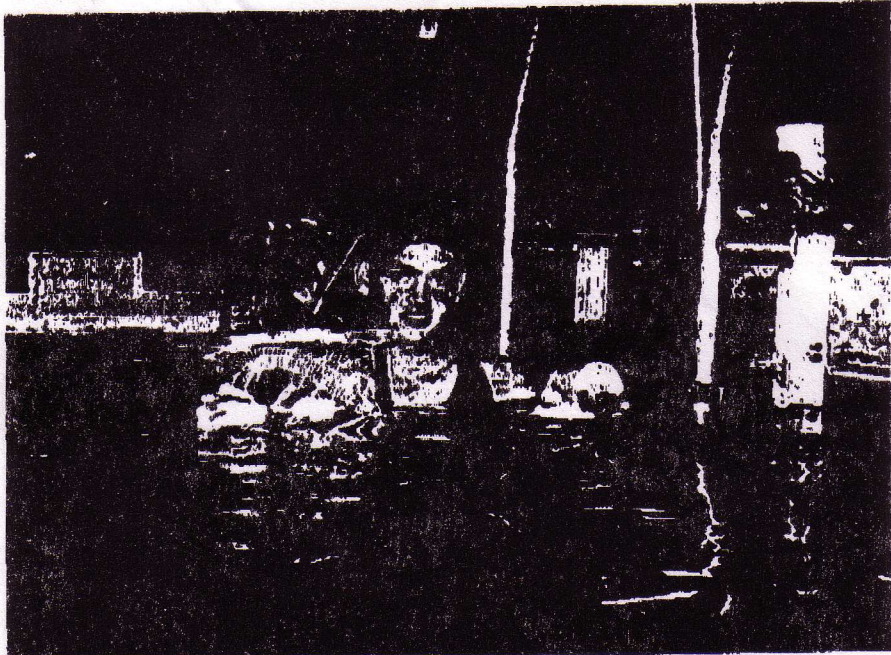


**\*Conducted by the Navy Experimental Diving Unit, Panama City, FL\***

**"Splash Caddy" stress tests**

**Test performed by Kevin Conley and reported to LCDR Loring Crepeau**

Testing was conducted in NEDU's test pool, in water heated to 94°F (34.4°C). The bags were filled with some rigid and some compressible items, to the point where the sides bulged out, putting a moderate tension against the seal. Four tests were performed on small and large bags, as outlined below:



**Submergence-** bags were submerged to a depth of four feet.

**Thrash test-** Bags were held underwater with one or both hands in a variety of positions, primarily on the bottom of the bag so that the seal wasn't inadvertently held closed, and so that the items inside, driven by centrifugal force, could carom against the bag seal, maximizing the likelihood of rupturing the seal.

**Pull test-** Bag was gripped on lateral sides just below seal and various amounts of force were applied to try and break seal

**Squeeze test-** palms were placed on lateral sides and bag was compressed (seal side up) at points low, in the middle, and on top of the bag.

Results did not vary between the two bag sizes, and are as follows:

**Submergence: Passed**

**Thrash Test: Passed, despite excessively rough handling**

**Pull Test: Failed, but only after repeated maximal efforts**

**Squeeze Test:**

Lower: Passed

Middle: Passed

Upper: Failed when strong effort was applied on air bubble just below seal