

NASA TECH BRIEF

Lyndon B. Johnson Space Center



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Shuttle Orbiter Storage Locker System: A Study

A study has been made to assure maximum utility of storage space and crew member facilities in the planned space shuttle orbiter. The results of this study are now available in a report entitled, "Habitability Study Shuttle Orbiter."

Spacecraft-peculiar considerations (intensive launch vibrations, zero gravity conditions in orbit) are taken into account in the design of storage lockers, passenger couches, housekeeping equipment, and food and waste systems. Cabinets are designed with extruded members that form longitudinal slots to store board-mounted items (hand tools, etc.) in the manner of a conventional phonograph record storage unit. These can be arranged horizontally or vertically as required.

Notes:

1. The techniques discussed in this study should be of interest to designers of storage facilities in which space is at a premium and vibration is severe. Manufacturers of boats, campers, house trailers, and aircraft could benefit from it.

2. A copy of the study report may be obtained from:

National Technical Information Service
Springfield, Virginia 22151
Single document price \$9.25
(or microfiche \$0.95)

Reference: NASA CR-128864 (N73-19163)
Habitability Study of Shuttle Orbiter

Patent status:

Inquiries concerning rights for the commercial use of this invention should be addressed to:

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