

the higher orbit and rendezvous and dock with the Lunar Module/ATM. The Command and Service Module will then transfer the Command Service Module/Lunar Module/ATM combination to the orbit of the Orbital Workshop stored from AAP-1 and AAP-2 and rendezvous and dock, forming an embryonic space station (Figures 7 and 8). The crew will reactivate the Orbital Workshop, install and perform additional experiments, including solar astronomy observations through use of the Apollo Telescope Mount. The Command and Service Module from the AAP-3 flight will carry sufficient expendables to reactivate and resupply the entire orbital cluster for a period of up to eight weeks. Upon completion of this mission, the crew will return in the Command and Service Module, leaving the remainder of the early space station in a gravity gradient stabilized condition for later usage (Figure 8).

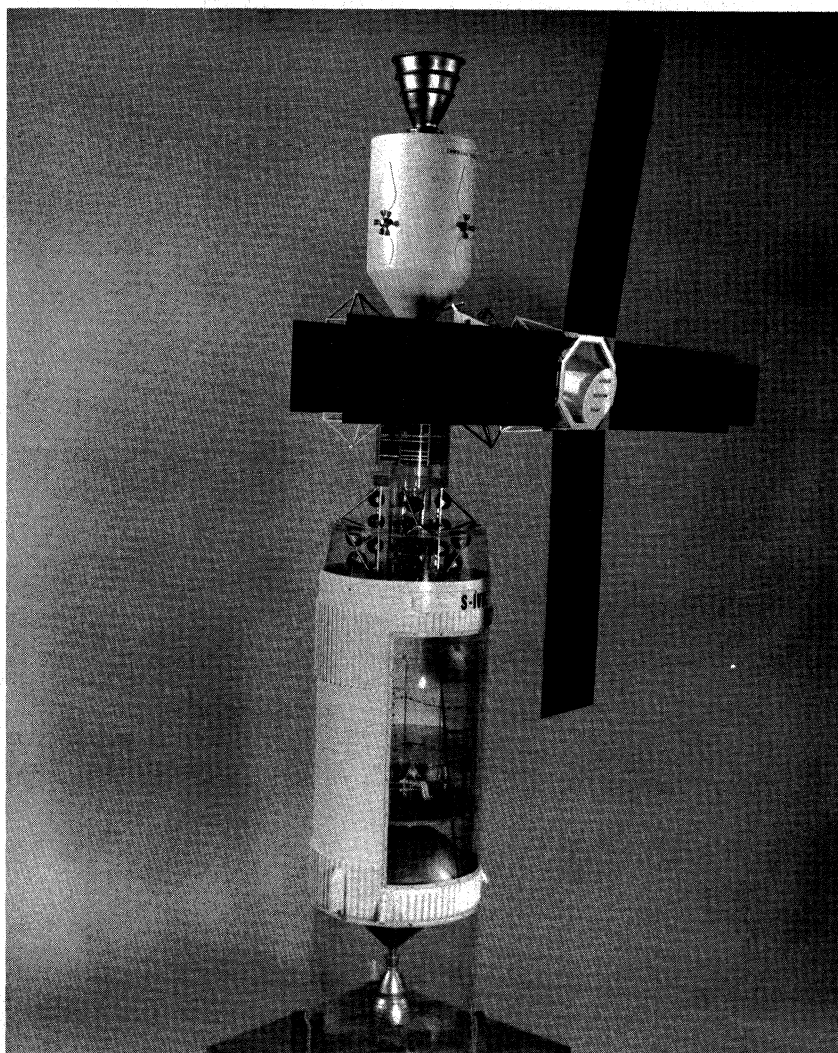


FIGURE 7