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JOHNSON SPACE CENTER, HOUSTON, TEXAS

SKYLAB 4 ON-BOARD PHOTO-----Astronaut Gerald P. Carr, commander of the Skylab 4 mission, flies the Astronaut Maneuvering Equipment M509 Experiment in the forward compartment of the Orbital Workshop of the Skylab space station in Earth orbit. This picture was taken with a hand-held 35mm Nikon camera on the 30th day of the 84-day Skylab 4 mission. The M509 experiment consists of two jet-powered astronaut maneuvering units, a back-mounted, hand-controlled unit called the automatically stabilized maneuvering unit (ASMU), and a hand-held maneuvering unit (HHMU). Carr is holding the HHMU in his right hand. The M509 objectives are to: demonstrate AMU flying qualities and piloting capability; test and evaluate system response; and relate the data and experience gained to ground-based analysis, future AMU design requirements and projected extravehicular activity. The OWS forward compartment in which the M509 exercise was held is about 22 feet in diameter and 19 feet from top to bottom. The hatchway leading to the Airlock Module is partially visible behind Carr.

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Science: Astronautics (Skylab: Skylab-3)

MANIOBRANDO EN EL ESPACIO -- El astronauta Gerald Carr, comandante de la tercera tripulación del Skylab, vuela en un dispositivo experimental de maniobras en el interior de la estación espacial en órbita terrestre. Un aparato manual para maniobrar (izquierda) suministra el empuje de los reactores gemelos en el paquete montado ~~en~~ en su espalda.

