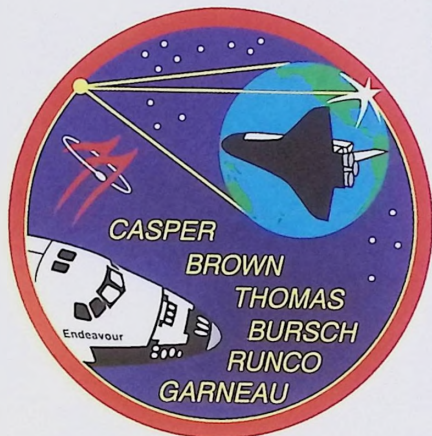
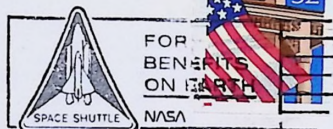


SPACE SHUTTLE  
STS-77/ENDEAVOUR



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## SPACE SHUTTLE (STS-77/ENDEAVOUR)

The 11th flight of the Space Shuttle Endeavour on Mission STS-77 will feature a variety of microgravity investigations conducted by the crew in an orbital laboratory, and several space technology experiments highlighted by the deployment of two satellites. The SPACEHAB Space Research Laboratory is a pressurized module in the orbiter's payload bay that doubles the living and working space for the crew. On this mission, SPACEHAB-4 will conduct materials processing and biotechnology experiments. Another primary objective will be the operation of the Spartan 207/Inflatable Antenna Experiment (IAE) payload to test inflatable antenna technology. A small satellite will be deployed from a canister as part of the Technology Experiments Advancing Missions in Space (TEAMS) payload which includes four experiments on fluids and space systems technology.

**THE STS-77 CREW** - Three-time space flyer John H. Casper, an astronaut since 1985, will command the six member crew. He will be joined by Pilot Curtis L. Brown Jr., selected as an astronaut candidate by NASA in 1987, and a veteran of two shuttle flights. As payload commander, Daniel W. Bursch has overall responsibility for operation of all the experiments during the 10-day mission. He became an astronaut in 1991 and flew twice in space as a mission specialist. Mission Specialist Mario Runco Jr., an astronaut since 1987, also will make his third trip into space on STS-77. Canadian Space Agency astronaut Marc Garneau will make his second space flight. The STS-77 mission specialist first flew as a payload specialist in 1984 and later served as deputy director of the Canadian Astronaut Program. The only space rookie on the crew is Mission Specialist Andrew S. W. Thomas, selected as a member of the astronaut corps in 1993.

**THE STS-77 CREW INSIGNIA** - The STS-77 crew patch, designed by the astronaut crew members, displays the Space Shuttle Endeavour and its reflection within the tripod and concave parabolic mirror of The Spartan/IAE payload. The center leg of the tripod also delineates the top of the SPACEHAB's shape, the rest of which is outlined in gold just inside the red perimeter. The Earth's reflection is oriented to show the individual countries of the crew as well as the ocean which Captain Cook explored in the original Endeavour. Mission number "77" is featured as twin stylized chevrons and an orbiting satellite as adapted from NASA's logo. At the top are the stars in the constellation Ursa Minor as seen in the northern sky in which the field of 11 stars represents both the TEAMS cluster of experiments. The constellation at the right shows the four stars of the Southern Cross symbolizing the fourth flight of SPACEHAB.