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SPACE SHUTTLE (STS-119 / DISCOVERY)

STS-119 with Space Shuttle Discovery will mark the 28th mission to the International Space Station (ISS). During the 14 day flight, also designated as flight 15A in the ISS assembly sequence, Discovery's crew of seven will deliver to the station, during 4 planned spacewalks, the final pair of power-generating solar arrays and a final U.S. truss segment, Starboard 6 (S6), that will signal the station's readiness to house a 6-member crew for conducting increased science projects.

THE STS-119 CREW — Discovery's astronaut team will be commanded by **Lee J. Archambault**, a veteran of one spaceflight. He has logged more than 14 days in space since becoming an astronaut in 1998. STS-119 will be his first shuttle flight command. First-time space flier **Dominic A. (Tony) Antonelli**, an astronaut since 2000, will be the shuttle pilot. He will undock Discovery from the station at the end of the joint mission. The STS-119 mission specialists are: First-time shuttle flier **Joseph M. Acaba**, an astronaut since 2004, will perform 2 spacewalks and help with the installation and outfitting of the ISS; Another member of the 2004 astronaut class, **Richard R. Arnold**, will be making his first space trip and will conduct 3 spacewalks on this mission; Lead spacewalker **Steve R. Swanson**, a prior space shuttle veteran, has logged more than 13 spacewalk hours and will perform 3 spacewalks on STS-119 to install new components to the station; Veteran astronaut **John L. Phillips** will be returning to space with more prior spaceflight experience than the rest of his crewmates combined after logging more than 192 days in space. On STS-119, he will perform robotic arm operations; Space veteran **Koichi Wakata** returns to space a third time and will become the first resident ISS crew member from the Japanese Aerospace Exploration Agency (JAXA). Once he arrives at the orbiting complex, the ISS will be his new home after joining the onboard crew to become the Expedition 18/19 flight engineer. He will be replacing American astronaut Sandra Magnus, who will return home on a later shuttle flight.

THE STS-119 CREW INSIGNIA — The design of the STS-119/15A patch comes from the shape of a solar array viewed at an angle. The ISS is placed accordingly in the center of the emblem just below the gold astronaut symbol. The gold solar array of the ISS highlights the main cargo and task of STS-119/15A — the installation of the S6 truss segment and deployment of its solar arrays. The depicted 17 white stars on the patch represent, in the crew's words, "the enormous sacrifice the crews of Apollo 1, Challenger, and Columbia have given to our space program." The U.S. flag flowing into the space shuttle signifies the support the people of the United States have given our space program over the years, along with pride the U.S. astronauts have in representing the United States on this mission.