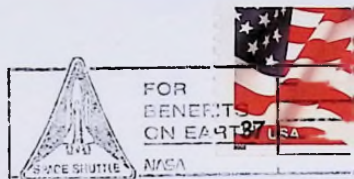
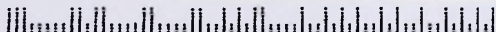


SPACE SHUTTLE
STS-114/DISCOVERY



Denise Carroll
7 Blackstone Dr. #54
Nashua, NH 03063

03063+3045 91



SPACE SHUTTLE (STS-114/DISCOVERY)

More than two years after the Columbia accident, Space Shuttle Discovery is poised to return astronauts to space on Mission STS-114, a test flight with operational objectives for the International Space Station (ISS). The 114th Shuttle mission – designated ISS Logistics Flight (LF-1) – will test new equipment and procedures to increase the safety of the Shuttle and deliver vital spare parts to the Station. Three 6½-hour spacewalks are planned during the 12-day mission – one of which will include a demonstration of techniques for inspecting and repairing the reinforced carbon-carbon segments and the tiles that provide heat protection.

THE STS-114 CREW – The STS-114 crew was first named in April 2001 with four Shuttle astronauts joined by three ISS crewmembers. After the STS-107 tragedy, a decision was made to rotate the Station crews on Russian Soyuz spacecraft rather than on the Shuttle. Following that decision, the core Shuttle crewmembers – Commander Eileen M. Collins, Pilot James M. Kelly, and Mission Specialist 1 (MS1) Soichi Noguchi, the lead mission spacewalker, is a rookie astronaut since 1996 with the Japan Aerospace Exploration Agency (JAXA). A veteran of two Shuttle flights, MS2 Robinson, an astronaut since 1994, will also serve as the Flight Engineer on STS-114 and is a member of the spacewalk team. Thomas is MS3, a three-time Shuttle flier who was chosen as an astronaut in 1992. Astronaut Lawrence is MS4, a veteran of three space voyages who has been an astronaut for more than 14 years. Rookie Camarda, making his first space trip, is MS5 and was chosen for the astronaut corps in 1996.

THE STS-114 CREW INSIGNIA – The STS-114 patch design signifies the return of the Shuttle to flight and honors the memory of the Columbia STS-107 crew. The blue Shuttle Orbiter rising above Earth's horizon includes the Columbia constellation of seven stars, outlining the STS-107 patch and commemorating the seven crewmembers of that mission. Planet Earth, the primary design element of the STS-114 emblem, represents the unity and dedication of the many people around the world whose efforts are allowing the Shuttle to safely return to flight. Against the background of the Earth at night, the blue orbit resembles the ISS along with the names of the spacewalking crewmembers on the orbit vector. The red sun on the orbit signifies the contributions of Japan's space agency. The multi-colored plume represents the broad spectrum of the many challenges for this mission.