

Thursday, July 1, 1999

Preparations underway at pad for STS-93 launch

17



Apollo 11 anniversary picnic planned for July

▲ **STS-93 Space Shuttle Update:** Work continues at Launch Pad 39B in preparation for Columbia's July 20 target launch date. The Chandra payload IVT was conducted June 30. Next, workers will repressurize Auxiliary Power Unit No. 2. Flight Readiness Review is scheduled for July 8.

▲ **30th Anniversary Picnic for Apollo 11:** The picnic is being held Saturday, July 17, from 6 to 11 p.m., Fox Lake Park, Titusville. Catered by Pumpnickel's, food will be served 7 to 8:30 p.m. Cost is \$15 per person. Send check (made out to "Apollo 11 Reunion") with a self-addressed, stamped envelope to Norm Carlson, 2616 Applewood Dr., Titusville, FL 32780, or call 267-4843. For more information, call Gary Powers, 867-6142.

◆ **Volunteers Needed for Design Competition:** KSC is hosting the Space Settlement Design Competition to be held July 10 -12, at the Center for Space Education. The competition is an industry simulation game, set in the future. Students will form four teams, assuming corporate identities, to design a space settlement on the surface of Mars for 19,000 residents. Volunteers are needed as CEOs and technical experts of the companies. CEOs stay with their teams all day Saturday and Sunday, from 8 a.m. until evening. Technical experts conduct technical training sessions that provide background information in four different technical areas: structural engineering, operations engineering, human engineering, and automation engineering. For more information contact : Betty Valentine, Outreach Coordinator, NASA/KSC NN-H2A,

(phone) 407-867-3182 or (fax) 407-867-1967, or send e-mail to Elizabeth.Valentine-1@ksc.nasa.gov.

◆ **Florida Space Institute Seminars:** The second in a series of seminars has been **rescheduled for Tuesday, July 13**, from 10 to noon in the KSC Training Auditorium. There are no registration fees for this event. Dick Jansson will speak on the subject of **Thermal Engineering for Spacecraft**. Jansson has 45 years' experience in aerospace as a thermal and mechanical engineer. Among the programs he has worked on are X-15, Apollo, Skylab, and AMSAT's Oscar and MicroSat spacecraft.

◆ **Reminder: Ribbon Cutting Ceremony --** Kennedy Space Center is hosting a **ribbon cutting ceremony on July 1**, at 10 a.m., to commemorate the activation of the newly upgraded Emergency Power Plant at the C-5 substation in Launch Complex 39 Area.



◆ **Did You Know?** Fireworks and celebrations go together, especially during the Fourth of July and the upcoming millennium. But fireworks can be dangerous, causing serious burn and eye injuries. If fireworks are legal where you live and you

decide to set them off on your own, be sure to follow these important safety tips: 1) Never allow children to play with or ignite fireworks; 2) Read any warnings and follow all instructions; 3) Always abide by local laws and regulations; 4) Be sure other people are out of range before lighting fireworks; 5) Never try to re-light fireworks that have not fully functioned; 6) Only light fireworks on a smooth, flat

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surface away from the house, dry leaves and flammable materials; 7) Keep a bucket of water nearby in case of malfunction or fire.



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