

The Canaveral Flyer

July 2007

A Newsletter of the Canaveral Section of ASME International



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Greetings Canaveral Section Members,

The Canaveral Section will host a family event (non-members welcome!) on Saturday July 14th beginning 11:30am with lunch at the Great Outdoors Country Club off of Route 50 in Titusville. From there we will head to The Valiant Air Command Warbird Museum where Sam Beddingfield will give a guided tour of the facility. After the tour at the Warbird Museum, we will head to the Space Walk of Fame Museum for a guided tour of that facility.

Both of these Titusville facilities are manned by volunteers, almost all of whom are former space workers at Kennedy Space Center or the Cape Canaveral Air Force Station, so most can answer any space-related questions you may have. Our tour guide, Sam Beddingfield retired from Kennedy Space Center in 1985 after a 27-year career. Sam joined NASA in 1959 as Project Mercury was beginning. Following Mercury, Sam continued as the U.S. Manned Space Program evolved through Gemini, Apollo and Skylab to the Space Shuttle. At the time of his retirement, Sam was serving as Deputy Director of the Shuttle Projects Management Office. Always articulate and able to reduce engineering concepts to layman's terms, Sam was often called upon to brief such notables as Presidents John F. Kennedy, Lyndon Johnson, and Jimmy Carter. Sam joined the Space Walk of Fame Foundation in 1993 where his background and communication skills continue to serve museum visitors well.

Please RSVP for this event by contacting Jack Wiles at 455-2893 by July 12th so that we can have an accurate head count for the event. The cost for lunch at the Great Outdoors will be \$10. Admission to the Valiant Air Command will be \$8 for adults and \$5 for children (this is the group rate as the admission is usually \$12 for adults). Admission to the Space Walk of Fame is free, however, donations are appreciated. For those that would like to join us without lunch, we expect to be at the Warbird Museum at 12:30. Maps to both the Great Outdoors and the Warbird Museum are in the newsletter.

I look forward to seeing you there.

Best Regards,

J.D. VanGilder
Canaveral Section Chair

Schedule of Upcoming Section Events

Date	Event	Location	Event Type	RSVP Date	Event Coordinator/Contact
July 14th (Saturday)	Lunch at the Great Outdoors (11:30 am) Valiant Air Command Warbird Museum (12:30 pm) Space Walk of Fame Museum	Titusville (see maps)	Tour (Family – including non-members)	July 12 th (Thursday)	Jack Wiles (321) 455-2893
August 17th (Friday)	Wyle Labs	TBA	Tour/Technical Presentation	August 14th	Tom Moriarty tjmpe@alidade-mer.com (321) 773-3356
September 15th (Saturday)	AF Cape Canaveral Air Station Lighthouse and/or the Museum	Titusville	Tour	September 7th	Jack Wiles (321) 455-2893
October 12th (Friday)	Val Jean (mfg co)	Indian Harbor Beach	Tour	October 10th	Tom Moriarty tjmpe@alidade-mer.com (321) 773-3356
TBD	Valve Company Tour	Melbourne	Tour	November 7th	Chris Epler cepler@cfl.rr.com (321) 693-3705

Directions to The Great Outdoors

From I-95, take Exit 215 (SR 50) west to ½ mile to Plantation Road. Turn Left (south) onto Plantation. Stop at Guard shack and mention the ASME event. Proceed to TGO clubhouse (building with large columns).



Directions to Warbird Museum

From I-95, take Exit 212 (SR 407 North) to end. Turn right (East) on SR 405. Go past the Sunoco & BP stations. Turn right (South) onto Tico Rd, museum is on the right.



Local Conferences

Additional Excerpts from the 2007 Space Visions Congress

The Space Visions Congress was held in April 26th through April 28th. The Congress included panels from the government and industry to discuss the future of the Space industry, and more specifically Kennedy Space Center. Here is a synopsis of two of the panel attended by an ASME member.

Ground Support Equipment (GSE) & Facilities for the Constellation Program

This panel consisted of individuals from United Space Alliance, a contractor at KSC whose roles include GSE design and sustaining engineering support to the shuttle GSE. The highlight of the panel was the playing of a USA-generated simulation that showed concepts of GSE as it could be used to process and launch the next-generation Ares / CLV and Heavy Lift vehicles (other KSC contractors, including ATK, Lockheed, and Boeing, were also asked by NASA to develop their own concepts of future GSE at KSC).

Range Operations Past, Present & Future

This panel consisted of individuals from the 45th Space Wing at Cape Canaveral Air Force Station. The Q & A session revealed the responsibilities of the various military and civilian personnel who support range operations during launches. For the future, the Range operators are preparing to work with the new generation of commercial launch companies, in addition to the continued military and satellite customers.

ASME General

Win a 42" Plasma TV!

All you need to do is renew your ASME membership by October 1st and you will be automatically entered to win. If you renew online (www.asme.org/member/), you will get 3 entries to win. If you renew by August 1st via phone or fax, you will also get 3 entries.

Canaveral Section ASME Sponsorship

The Canaveral Section uses sponsorships to support section activities such as providing distinguished lecturers, professional development events, and monthly meeting costs, as well as student section scholarships, design competition sponsorships, and activities. The sponsorship notice will be supplied with each newsletter containing a sponsor's business and contact information on a standard business card size listing. The listing will run for a duration of one year for a donation of \$200. Please provide Company Name, Contact, Phone, Date, and Email information via email or mail to the following addresses. A business card or jpg image of your company logo will be needed.

ASME Canaveral Section P.O. Box 540171
Merritt Island, FL 32954

or

J.D. Van Gilder at vangilderj2@asme.org

2007 ASME Boiler and Pressure Vessel Code

The latest edition of the Boiler and Pressure Vessel Code is due to be available from ASME in July 2007. The Code contains the rules of safety governing the design, fabrication, and inspection of boilers and pressure vessels. The objective of the Code is to provide sufficient safety margin for piping and pressure vessel components while in service. It also includes information and guidelines concerning the use of PV components in nuclear power plants.

The Code is continually reviewed by the Boiler and Pressure Committee, a volunteer group of more than 950 engineers. The Committee meets regularly to consider requests for interpretations, revision, and to develop new rules. In the formulation of its rules and in the establishment of maximum design and operating pressures, the Committee considers technological advances in materials, construction, methods of fabrication, inspection, certification, and overpressure protection techniques. Changes to the Code are implemented via Addenda. Addenda are published annually and are sent automatically to purchasers of the applicable Sections. The Addenda are scheduled to be sent out in July of 2008 and 2009

In 2010, the entire code will be revised again to implement the addenda, and any other changes that are needed since the release of the 2007 edition.

ASME issues written replies to inquiries concerning interpretation of technical aspects of the Code. The Interpretations for each individual Section are published with the Addenda of the purchased section. Interpretations are not part of the Code or Addenda.

Section VIII of the code is a common requirement for pressure vessel systems. ASME is offering courses in the practical application of Section VIII, Division I (Design and Fabrication of Pressure Vessels) at the following locations. Please see the ASME website for more information.

(http://catalog.asme.org/Education/ShortCourse/BPV_Code_Section_VIII.cfm).

August 2007 – Las Vegas

November 2007 – Houston

March 2008 – Houston

May 2008 – Orlando

Local News

Harris Wins Again

Harris Corp. has announced that its radio frequency communications division in Rochester, N.Y., has won a \$211 million contract from the U.S. Marine Corps to supply sophisticated radio equipment over the next three years. The contract calls for Harris to supply two tactical hand-held radios, 14,141 dual vehicle adapters and 28,282 antennas. The work is expected to be completed in June 2010. The announcement comes on the heels of another in which Harris can earn up to \$7 billion in the coming years from the sale of software-defined hand-held radios to the U.S. military.

Thanks to our sponsors!



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