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Web Page:
<http://sections.asme.org/canaveral/>

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& change
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Message from the Chair...

Say Goodbye to Program Year 2005

As we draw towards the end of June we close the curtains on this past ASME Program Year and welcome with open arms our new program year starting in July. Our Section had another busy year with tours and speakers ranging from technical, historical, local interest, and just plain fun!

In August we had a group of 12 show up for this family event to visit Brevard Zoo for a behind the scenes tour where we got to learn more about the daily operation of this fine facility and we even got to feed the giraffes. In September, 20 of us welcomed Daniel Koenig with his talk on "The Engineer Entrepreneur". In October, 42 of us went on a tour of the Canaveral Air Force Missile Museum with stops at the Canaveral lighthouse and the Port. We also had our first of three ASME Distinguished Lecturers this year, Dr. Steven Rohde speak to 16 of us on Virtual product Development in the Auto Industry. We held our mini-topic meeting in November at Florida Tech in conjunction with the Student Section to hear representatives from Florida's Blood Centers speak on the importance of donating blood followed by past Chair **Hugh Bain** telling us of his experience from his deployment in Operation Iraqi Freedom. December brought us another fun and interactive tour when we visited the Ice Plex in Rockledge. We not only found out more about that facility, but got to learn about how a local man who works there has developed a tool for sharpening the Zamboni blades that not only saves the Ice Plex money but he is now selling the technology to other rinks around the country.

In January we had our Annual Awards banquet and recognized a number of our members for the 25 or more years of involvement in ASME and had **Tal Webb** give a good presentation on Continuity and Change initiative within ASME. In February we lead the effort working with CCTS to hold the Annual E-Week banquet where we had well over 100 in attendance to hear ASME Distinguished Lecture David Alciatore give his very informative and fun talk on "The Illustrated Principles of Pool and Billiards". In early April we had our annual joint dinner meeting at FIT and got to catch up on some of the exciting senior design projects the students are working on. Then in May we had our third ASME DL Speaker Dr. Boxewicz speak on the "Transition from Engineer to Manager" to a group of 12. Then in June we wrapped things up with our tour of the Vero Beach power Plant.

We think that we presented a program year with a good bit of variety and for the most part had very good attendance throughout the year. We are in the throws of planning the events for this coming year and are looking for input from you on what type of speakers and tours you would want to attend this coming program year. We have a survey in this newsletter that we would like you to return to us with your suggestions.

As always, please see our web page at <http://sections.asme.org/canaveral/> for further information of this and other events coming up soon.

Dan Johnson

May Distinguished Lecturer Dinner Meeting

Every engineer has been on a project which was mismanaged. We note problems and think of how we would do things differently. But how does an engineer actually make that transition into management? What are the skills and attributes required to successfully manage other people, and how does one acquire those skills?

Dr. John Bozewicz, from the Naval Surface Warfare Center in Philadelphia, and past chair of the ASME management division, spoke to a dozen members of the Canaveral Section on May 10, sharing how he made the transition from mechanical engineer to engineering manager. While dining on an excellent catered dinner at the Florida Solar Energy Center, Dr. Bozewicz explained how a good manager has to be an orchestrator, coach, cheerleader, mentor and occasionally a disciplinarian. A manager is responsible for *maintaining* the organizational system and processes. This role is different from that of a leader, who *discovers new processes* and persuades others to adapt to new ways. A manager's job is all about motivating people, and requires a mix of technical, interpersonal and administrative skills.

Dr. Bozewicz recommended that any engineer who aspires to be a manager must first know oneself, both strengths and weaknesses. One must improve their written and verbal communication skills. Develop a reputation for professionalism and trustworthiness. Observe and learn from the good (and poor) managers that you work with. Find a learn from a mentor. Most importantly, plan and execute a roadmap for yourself to make the transition. And don't to forget to include dates in your plan!

Dr. Bozewicz is one of a select group of speakers provided by ASME to local sections as a benefit to the membership of ASME. Your local ASME section strives to provide speakers and tours that will be of interest to the local membership. Those who attended this presentation benefited from insights which are rarely, if ever, shared in the workplace.

Dr. Bozewicz has allowed us to post a copy of his presentation in PDF form on our website. Look there for relevant information you missed if you did not attend this event. The only caveat to allowing us to post this information was that it not be copied or reused in a manner that would violate his intellectual property.

Members who are interested in specific topics for dinner meetings, or local tours, or who themselves would like to make a presentation to the local ASME membership, are encouraged to communicate your interests to the leadership of the local section. Your local ASME section desires to serve our members, and your expression of interests and needs helps us to do that better.

Alan Zakaluk

What's happening at Florida Tech

Tours, meetings, impromptu design competitions, and joint gatherings with the Canaveral Section are held throughout the regular Fall and Spring semesters. To get in contact with the Florida Tech Student Section please do not hesitate to contact Student Section Advisor JD Van Gilder at jvangild@harris.com.

Treasure Coast S.E.A.

Meetings are typically held on the third Friday of the month and meeting announcements will be sent via e-mail and the Vero Beach Press Journal prior to each meeting. If you would prefer to be reminded by any other method (phone, mail, etc.), please contact **Kelly Mather** at southmoon@bellsouth.net.

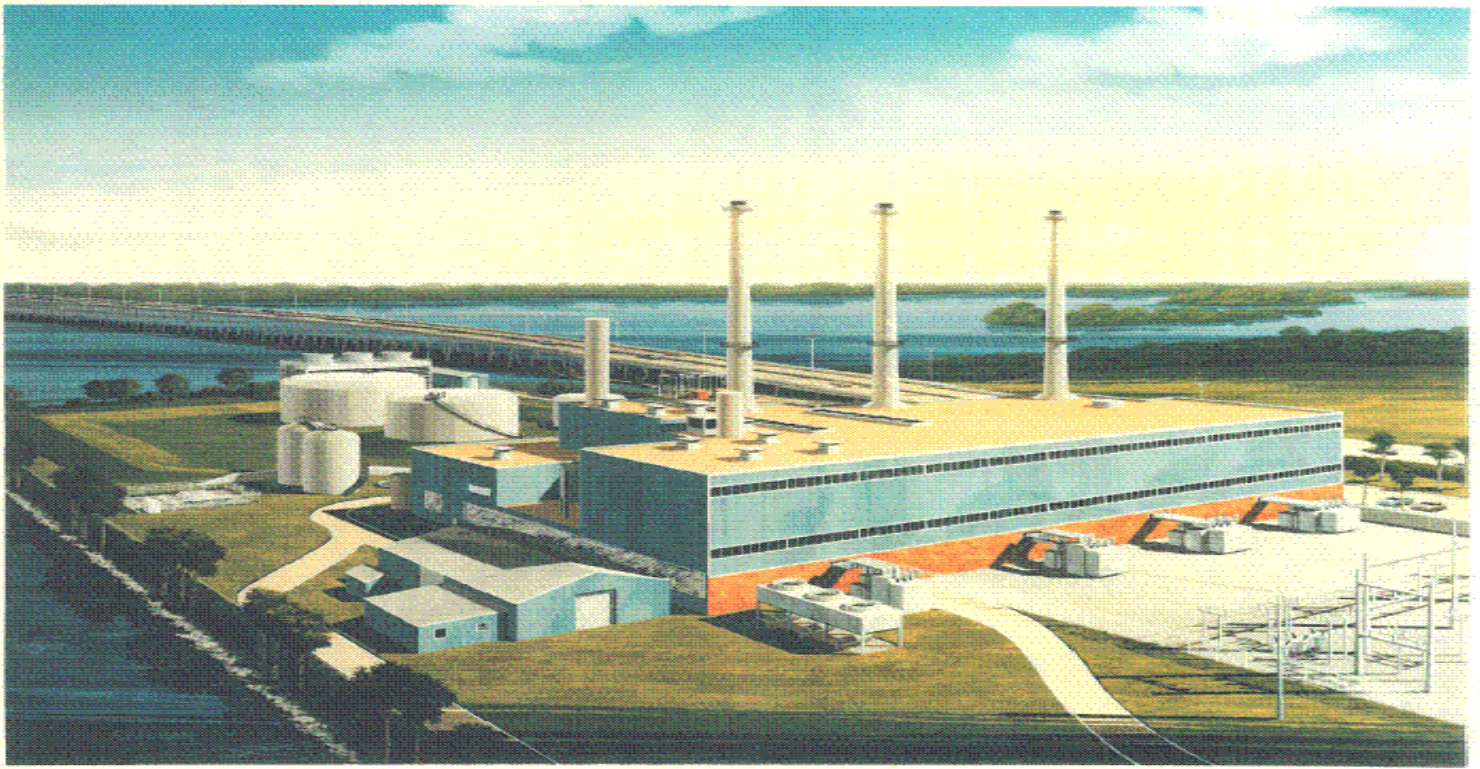
Links to Useful Websites

Southern Field Office: <http://www.asme.org/regions/sro/>

Region XI Home Page: <http://www.asme-xi.org/>

ASME International Home Page: <http://www.asme.org/>

Canaveral Council of Technical Societies (CTS): <http://www.canaveralcts.org/>



Vero Beach Power Plant Tour

The tour of the Vero Beach Power plant on Saturday June 4 was a great success and we had well over twenty members, family, and guests in attendance. Here is a little background on the facility if you were not able to make this very informative tour.

The City of Vero Beach Municipal Power Plant is located at 100 17th Street, Indian River County, Vero Beach, Florida, on the West Bank of the Indian River. The steam plant went into commercial operation in 1961 with unit 1 at 12,5 MW generator. As the City continued to grow units were added to accommodate the City's electrical needs. Units were added as follows:

1961 Unit 1 12.5 MW General Electric Steam Turbine
1964 Unit 2 16.5 MW General Electric Steam Turbine
1969 Unit 3 34 MW General Electric Steam Turbine
1976 Unit 4 56 MW General Electric Steam Turbine
1992 Unit 5 38 MW General Electric Combustion Turbine

Units 1, 3 and 4 are currently used in their original configuration. Each utilizes its own boiler to supply steam to its associated turbine. The boilers fire natural gas as the primary fuel and used low sulfur No. 6 fuel oil as a backup fuel. Unit 5 combustion turbine (CT) fires natural gas as its primary fuel and utilizes low sulfur No. 2 fuel oil as a backup fuel. Unit 5 CT operates in combined cycle with Unit 2 steam turbine. Waste heat from the combustion turbine is directed to a heat recovery steam generator (HRSG) where sufficient steam is produced to operate unit 2 steam turbine at no additional cost.

Steam units 1, 2 and 3 utilize once-through cooling water from the Indian River Lagoon and Unit 4 utilizes closed-loop cooling tower with reclaimed wastewater from the City's Wastewater Treatment Plant. Vero Beach was one of the first electric utilities in the Country to utilize reclaimed wastewater as a cooling media.

The combustion turbine is a General Electric Frame 6 that was retrofitted with Dry Low NOx (DLN) Combustors nine (9) months after going into commercial operation. It was the first Frame 6 to be retrofitted with DLN Combustors in the United States.

Currently, the plant and the entire utility operate in the Florida Municipal Power Agency's (FMPA) Integrated Dispatch and Operation (IDO) Project. The plant supplies energy to the power generation pool and the City draws its electrical needs from the pool for use in its territory.

ASME Florida Section (Orlando Area) July Dinner Meeting

Thursday, July 21,2005

Demonstration of Faro Laser Tracker

Brad Browning and Adam Penna, Faro Technologies

Representatives of Faro Technologies will demonstrate their new laser tracking system. This sophisticated device can measure large objects such as a room with dimensional accuracy of .001". They will also present an overview of their other portable Coordinate Measurement System devices.

Check out the laser tracker at http://www.faro.com/products/Laser_Tracker_Xi.asp

Find out the history of Faro and their unique products made right here in Lake Mary.

If you have a specific interest in one of their products, email floridasection@asme.org and they will try to tailor their presentation to suit the audience.

**Where: Louie and Marias Restaurant 9728 East Colonial
(East Hwy 50 near Dean Road)**

**Cost: \$5.00 Students
\$10.00 Members
\$15.00 Guests**

Menu will be salad, drink, dinner roll and choice of one of three menu items: lasagna, chicken or pasta.

**Schedule: 6:15pm Networking Opportunity
6:45pm Announcements
7:00pm Dinner
8:00pm Program**

Seating will be limited so reservations are required by 2 pm on Tuesday, July 19th by sending an e-mail to floridasection@asme.org or by calling 407-497-6380 and leaving a message.

2006 Program Year Survey

We need your help and input on a very important matter. Our goal as the leadership of the Canaveral Section is to bring you quality speakers, interesting and relevant topics, fascinating tours of local industry and historical locations, as well as professional development opportunities here on a local basis. These events are also a chance to get you out to meet your peers in the community, exchange ideas, make contacts, for the benefit of us all.

Attached is a list of topics for next year that was discussed at our last board meeting that we would like to get your input on. Are these events that you would make time in your schedule to attend, recommend to a friend, or perhaps help you in your career development.

Are there other ideas that we did not think about that you would want to suggest? Go ahead and write in those ideas and return them to us so we can look into making the arrangements to make it happen!

This is your opportunity to help us help bring you the best possible program year we can.

Thanks you in advance for your help in this matter!

Continuity and Change

ASME is getting ready to roll out the Continuity and Change Initiative at the beginning of this upcoming Program year. To become better informed, ASME has structured a website on the ASME Home page you can visit. Here is the link below.

<http://change.asme.org/>

ASME Vision and Credo for Continuity & Change

Question: Why is ASME changing now?

Answer: Our membership is declining and aging; we are experiencing stagnant sales, declining participation and employer support; we are facing uncertain financial viability.

Question: What is ASME striving to become?

Answer: ASME is striving to become more responsive to our members, customers and markets by being: market focused; global; entrepreneurial; multidisciplinary; competitive; streamlined; and agile.

Question: What will we achieve for ASME?

Answer: ASME will move into the future and continue Setting the Standard...

... in Engineering Excellence

... in Knowledge, Community & Advocacy

... for the benefit of humanity

Visit the following link for further information in the latest on-line newsletter from ASME on this effort.

<http://change.asme.org/INEWSLTR0605.htm>

National Manufacturing Week 2006

National Manufacturing Week (NMW06)

March 20-23, 2006

Donald E. Stephens Convention Center

Rosemont, Illinois

Following the success of the 2005 National Manufacturing Week Technical Conference, ASME is proud to be a conference sponsor again for the 2006 National Manufacturing Week Technical Conference. We invite you to be a part of and share in this success. Share the latest solutions and best practices in design, manufacturing and management with peers in your field!

Present your case study and be recognized as a solutions-oriented individual capable of setting the standard in your industry. Take this great opportunity to grow professionally, network with hundreds of industry professionals and learn from their experiences.

Submit your presentations today in one or more of the following areas:

Manufacturing Engineering

Design Engineering

Materials Handling Engineering

Engineering Management

Plant Engineering and Maintenance

Technology and Society

Computers and Information in Engineering

Electronic and Photonic Packaging

Go to the NMW06 website to submit your presentation:

<http://www.asmeconferences.org/nmw2006/Submitpresentation.cfm>

Brain Teaser

The Brain Teaser is a math or science type problem will be presented and you can respond by e-mail with your solution. For those of you who get the correct answer you will go into the running to get a gift certificate to a local restaurant at the end of our Program Year. The person with the most correct answers wins.

Here are the folks who have met the challenges so far!

Newsletter People who got the Correct Answer

September: David Wadzinski

October: No One

November: Tom Bowman, David Wadzinski, Leon Cole, Willie Daffron, Jack Wiles, Bill Imre

December: Cindy Fortenberry, David Wadzinski, Willie Daffron, Bruce Eddy

January : JD Van Gilder, Willie Daffron, Jack Wiles, David Wadzinski, Cindy Fortenberry, Corey Herbert

February: B. Imre, W. Daffron, C. Fortenberry, JD Van Gilder, B. Cunneen, A. Torsney, C. Herbert, D. Wadzinski, T. Bowman

March-April: Allan Torsney, Luca Ferrero, Bill Imre, Willie Daffron, JD Van Gilder, Cindy Fortenberry, Corey Herbert, David Wadzinski, and Alexa Chasar

May: Luca Ferrero, Bill Imre, Willie Daffron, David Wadzinski

The answer for last newsletters Brain Teaser is as follows if you could not figure it out.

Jazz, quiet, yucca, extra, violin, bashful, grown, defeat, koala, molar, porcupine

Well that brings us to the end of our Program Year and this round of Brain Teasers. It was fun picking out the questions and I hope you enjoyed playing along at home. Now, it is with great pleasure that I announce the big winner for this Program Year is **David Wadzinski** with 7 out of 8 correct answers. Honorable mention goes to **Willie Daffron** with 6 out of 8. David will be receiving a gift certificate to a Darden Restaurant (Red Lobster, Smokey Bones or Bahama Breeze) for \$40 as reward for meeting the challenge!

Thanks again to all who took part in submitting answers to the Brain Teasers and taking time to read the newsletter. You can look forward to more Brain Teasers this coming Program Year and we hope to make them even more challenging!

Good Luck! Send your response to Dan Johnson at johnsond2@asme.org

ASME THE 2005 CONGRESS IS SET FOR ORLANDO

The one event for all engineers, the 2005 ASME International Mechanical Engineering Congress and Exposition, will be held Nov. 5-11 at the Walt Disney Swan and Dolphin in Orlando. The Congress will feature a broad range and multidisciplinary technical programs, industry track session and a world-class exposition showcasing the newest designs, innovations and technological advancements in engineering. The Congress is a premier forum for presentations, technical exchange and networking. The keynote speaker will be Col. Mike Mullane, NASA Shuttle Astronaut and Novelist.

For more details visit the Congress Web site at <http://www.asmeconferences.org/Congress05/>

Student Activity Calendar

June

June 30 Student Section officer listing due

June 30 Student Section financial report due

July

July 2 2005 ASME Student Mechanism Design Competition – Project report due



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CCTS
P.O. Box 245
Cape Canaveral, FL 32920



Excerpts from "ASME Inter-Comm June 2005"

Inter-Comm is published periodically for ASME volunteer leaders to increase their awareness of activities of the Society. Contact: Diane Kaylor at 212-591-8159 or kaylord@asme.org.

Society officers (for terms beginning June 2006) selected by the 2005 Nominating Committee at the Summer Annual Meeting (SAM), in Philadelphia, include President-Nominee Terry E. Shoup, Ph.D., PE, and for members-at-large for the Board of Governors, Victoria A. Rockwell, Chittaranjan Sahay, Ph.D., PE, and Robert T. Simmons, PE. The entire slate is posted online at www.asme.org/nominees3.htm. Contact: Warren Leonard at leonardw@asme.org.

At the June 2005 SAM, the Board of Governors adopted the By-Law and Society Policy changes needed to implement the Continuity and Change initiative, and at the business meeting, the membership approved sending the necessary Constitution amendments to the ASME membership for a vote. Visit the Continuity and Change online newsletter for details at www.asme.org/change/IINEWSLTR0605.htm. Contact: Warren Leonard at leonardw@asme.org.

The 2005-06 General Fund Operating Budget and Capital Budget were approved by the Board of Governors in June. In addition, at the close of this fiscal year, ASME's finances show marked improvement. For the first time since 1999, ASME is forecast to have a positive operational budget variance (comparing actual expenses with budgeted operations). Through effective volunteer-staff efforts, ASME has achieved better-than-budgeted revenues, in areas such as codes and standards and the Continuing Education Institute, and improved its expense management. Contact: Joseph Holm at holmj@asme.org.

For the first time in five years, ASME membership increased, based on a comparison of annual springtime statistics, showing significant gains in new membership and new student members. New-member increases (totaling nearly 560 this year) are higher than anytime since year 2000 and 52 percent higher than a year ago. In addition the renewal rate for members is up for two years in a row and the renewal rate for upgraded students is higher than in either of the last two years. See ASME News for details at www.asmenews.org/features/605gains.html.

The newly approved Frank Kreith Energy Award will recognize individuals who have made significant contributions to a secure energy future through innovations in conservation or renewable energy technology. Proposed by the Solar Energy Division and the Advanced Energy Systems Division with support of the Energy Resources Group of ASME, this new award is named for Frank Kreith, Honorary Member of ASME and an educator, author, and researcher in the fields of energy and heat transfer, who is professor emeritus of engineering at the University of Colorado, Boulder. Contact: Gilda DiTullio at ditulliog@asme.org.

In conjunction with SAM 2005, ASME Standards Technology, LLC (ASME ST-LLC) held its first annual management committee meeting, chaired by Michael Merker, managing director, Codes & Standards Operations, ASME. ASME ST-LLC will soon launch a new product line of Standards Technology Publications (STPs) through the ASME digital store and in hardcopy, including STP/NU-001, "Risk Initiatives in ASME Nuclear Codes and Standards." Visit www.stllc.asme.org. Contact: James Ramirez at ramirezj@asme.org.

On June 22, ASME and IMechE held a joint meeting in London to brief key U.K. stakeholders (both government and industry, including U.K. officials responsible for the protection of the U.K.'s critical infrastructure) on the Risk Analysis and Management for Critical Asset Protection (RAMCAP) framework developed for the U.S. Department of Homeland Security through the ASME Innovative Technologies Institute, LLC. This meeting also addressed possible areas of international collaboration and provided an overview of ASME's work with homeland security regional initiatives. Contact: Reese Meisinger at rmeisinger@asme-iti.org.

The ASME Energy Committee recently released their position statement on the fiscal year 2006 budget request for the Department of Energy, urging the U.S. Congress to support DOE's Office of Science by providing at least a three percent (\$108 million) increase over the current level of \$3.6 billion. The statement is available at www.asme.org/gric/ps/2005/ps05-14.pdf. Contact: Kathryn Holmes at holmesk@asme.org.

Event	Would you Attend?	Would you recommend to a friend?	Would this help you in your career?
Tom Moriarty – Retired USCG speaking on either Reliability Centered Maintenance, Root Cause Analysis, leadership, developing effective teams or other related career enhancing subjects	Yes or No	Yes or No	Yes or No
Distinguished Lecturer: Richard H. Graham, "SR-71 Blackbird--An Engineering Marvel" http://www.asme.org/member/dlp.html?IMAGE.X=22&IMAGE.Y=16	Yes or No	Yes or No	Yes or No
Distinguished Lecturer: GREGORY T. LINTERIS, "FIRE IN SPACE" http://www.asme.org/member/dlp.html?IMAGE.X=22&IMAGE.Y=16	Yes or No	Yes or No	Yes or No
Distinguished Lecturer: M K "Trina" Baldwin, PE, "A Year in Antarctica: What One Engineer Did" http://www.asme.org/member/dlp.html?IMAGE.X=22&IMAGE.Y=16	Yes or No	Yes or No	Yes or No
Post-hurricane beach restoration in Brevard County focusing on Heavy Equipment	Yes or No	Yes or No	Yes or No
John Hilliard, Head of USAF Museum volunteer group, giving a talk on early development of Satellites	Yes or No	Yes or No	Yes or No
Dr. Scarpa, physician for astronauts	Yes or No	Yes or No	Yes or No
Local Engineers speak on early flight tests at Canaveral Air Station	Yes or No	Yes or No	Yes or No
Tal Webb, giving a personal speech on space program history from Mercury to Space Shuttle	Yes or No	Yes or No	Yes or No
USCG Chief Warrant Officer of Port Canaveral on security at the port	Yes or No	Yes or No	Yes or No
Mr. Boylin, local author on nuclear warfare topics	Yes or No	Yes or No	Yes or No
Alternative fuels for vehicles with the help of Florida Solar Energy	Yes or No	Yes or No	Yes or No
Boeing 787 Project at Rockwell Collins	Yes or No	Yes or No	Yes or No
Briefing of solar world conference and tour of desalination plant	Yes or No	Yes or No	Yes or No
Tour of Hills Industries in West Melbourne, maker of synthetic fibers used in clothing, packaging material, and other interesting uses	Yes or No	Yes or No	Yes or No
Tour of Indian River Brewing Company in Melbourne	Yes or No	Yes or No	Yes or No
Dr. Gutierrez of FIT speaking on magnetic levitation (maglev) and providing tour of his testing facility in Melbourne	Yes or No	Yes or No	Yes or No
Visit GMC dealership to see Sierra hybrid, or Lexus' new hybrid	Yes or No	Yes or No	Yes or No
Tour of Billy Lane's shop on US1 for choppers/motorcycles	Yes or No	Yes or No	Yes or No
Tour of Flat Bottom Boat designer and developer in Titusville	Yes or No	Yes or No	Yes or No
Tour of Sea Ray in Port Canaveral	Yes or No	Yes or No	Yes or No
Learn about local initiative for desalination plant in Cocoa	Yes or No	Yes or No	Yes or No
Tour of Harris Corporation Customer Briefing Center in Melbourne to see their new products and initiatives	Yes or No	Yes or No	Yes or No
Tour of Lockheed Martin's facility on Lake Underhill Rd in Orlando - simulation training with mock-up of shipboard engineering plants.	Yes or No	Yes or No	Yes or No
Cryogenics Course	Yes or No	Yes or No	Yes or No
Geometric Tolerancing Course	Yes or No	Yes or No	Yes or No
<u>Suggestions for alternate events</u>			
	Yes or No	Yes or No	Yes or No
	Yes or No	Yes or No	Yes or No

Canaveral Section
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ENGINEERS

2006 Program Year Survey



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