



OPTIMIST
INTERNATIONAL

Friend of Youth

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Club meets

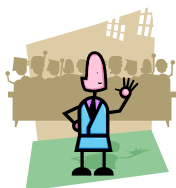
1st, 2nd, & 4th Thursdays
At 11:45 am
Downtown Holiday Inn
Huntsville, AL

Opti - Topics

Opening

Nineteen Optimists finally made it to the meeting (after a couple of stragglers came in after 12 noon) at the Downtown Holiday Inn, today. There were no guests that were potential members. President Tom Casteel called on Sidney Sandridge to give the invocation, and John Inman to lead in the recitation of the Pledge of Allegiance

Announcements



President Tom Casteel reminded all Club members to fill out and **turn in your committee selection sheets**. He threatened to arbitrarily assign to a committee of his choice those who didn't turn in a form.

Tom passed around the sheet to **sign-up for the monthly programs and business meeting lunches**. There are still several months not covered. Call Tom now to get your choice of the remaining months.



Tom reported on his attendance at the **District Meeting** in Montgomery. Tom arranged for our current District Governor, David Mills, to perform the installation of our new officers at next month's banquet.

Two of next year's District meetings will be streamlined to reduce lodging costs (only one overnight stay), and plans are to have optional golf outings for attendees. Three of next year's District meetings will be in Mississippi.

Our business meeting is held on the 3rd Thursday of the month at the Optimist Recreation Center on Oakwood Avenue

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The Club's **installation banquet** for next year's

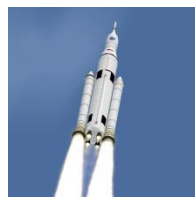


officers will be held September 26 in our normal meeting room at the Downtown Holiday Inn. Time is 6:30 p.m. Gay Pepper will be circulating a sign-up sheet so we can get a number for the hotel.



Band Committee members are reminded to get with their assigned school's band director to start the process of getting instruments assigned to their band members. Tom said he had about 30 refurbished instruments in his garage (due to the lack of space in our closet at the ORC), and Band Committee Chairman Al Adams said he had just received 15 instruments (clarinets, flutes and trumpets) back from Robbins Music, and they are in the ORC closet. Al asked committee members to be sure to list the instruments taken from the closet on the sign-out sheet there.

Program



Program Chairman Bill Peters introduced Chris Crumbly, Advanced Development Manager for the Space Launch System (SLS) at Marshall Space Flight Center. He and our speaker had worked together on the Spacelab program several years ago. Mr. Crumbly had held various positions within NASA before taking his present position.

Mr. Crumbly opened his program by relating the SLS to Captain Cook's ship, the Endeavor. As with Captain Cook, we don't know what discoveries the SLS's future voyages will make, or even where missions will go. He quoted: "Ships of exploration shouldn't limit destinations, they should open opportunities."

He said the SLS is taller and more powerful than any previous NASA launch vehicles, including the Saturn V Moon Rocket, although it lacks a little in matching it in payload capability.

Mr. Crumbly had brought with him a scale model of the SLS, and he gave a brief description of each component of the SLS, beginning with the Orion Spacecraft at the top and working down the vehicle to the booster rockets and their engines.

The current budget uncertainty, along with the difference of opinion on NASA programs between the White House and Congress, make any schedule projections a matter of conjecture, but Mr. Crumbly gave these tentative schedule milestones:

- 2014—Unmanned launch of the Orion capsule on a Delta IV rocket to test the heat shield
- 2017—Launch of the Orion capsule into a retrograde orbit, close to the Moon.
- 2021—Manned launch of the Orion capsule into a similar retrograde orbit, with the possible landing on an Asteroid (as a precursor to an Asteroid re-direct mission).
- 2030—Landing on the moons of Mars.

Mr. Crumbly reported how the current budget battles (sequestration & potential for budget by continuing resolution) have produced a “crazy situation” for planning. His emphasis now is on making a more affordable, safer and reliable vehicle. As examples, his office is looking at more efficient manufacturing processes and using electrical actuators in place of hydraulic actuators for thrust vector control. He also showed a titanium engine impeller that had been made by laser manufacturing, a new process where the part is manufactured by essentially thousands upon thousands of tiny welds in a container of titanium powder. He said manufacturing this part this way takes 9 hours versus 9 months by the traditional casting processes.

Anyone wishing more in-depth information on the SLS program can get it by visiting one of these web sites:

- www.nasa.gov/sls
- www.facebook.com/nasasls
- www.twitter.com/nasasls

Closing

Mr. Crumbly drew for our attendance prize, and Al Renz won on the first drawing. He claimed this was the first time he had won in 3 years. Carl Winkler led the Club in reciting the Optimist Creed to close the meeting.

Clyde Nevins

Optimistic Quote of the Week

"As soon as somebody demonstrates the art of flying, settlers from our species of man will not be lacking [on the moon and Jupiter]... Given ships or sails adapted to the breezes of heaven, there will be those who will not shrink from even that vast expanse."

~Johannes Kepler, 1610

CALENDAR

8/29 Thursday **No Meeting (5th Thursday)**

9/3 Tuesday 4:00 pm 1st Commercial Bank

Board Meeting

9/5 Thursday 11:45 am Downtown Holiday Inn

Andrea Maples – Physical Therapist for Children

9/12 Thursday 11:45 am Downtown Holiday Inn

Swapna Kakani – A young woman who was born with an extremely debilitating physical disability which she has overcome in spectacular fashion

9/19 Thursday 11:45 am Optimist Recreation Center

Business Meeting - Food – (George McDonough)

9/26 Thursday 6:30 pm Downtown Holiday Inn

Officer Installation Banquet

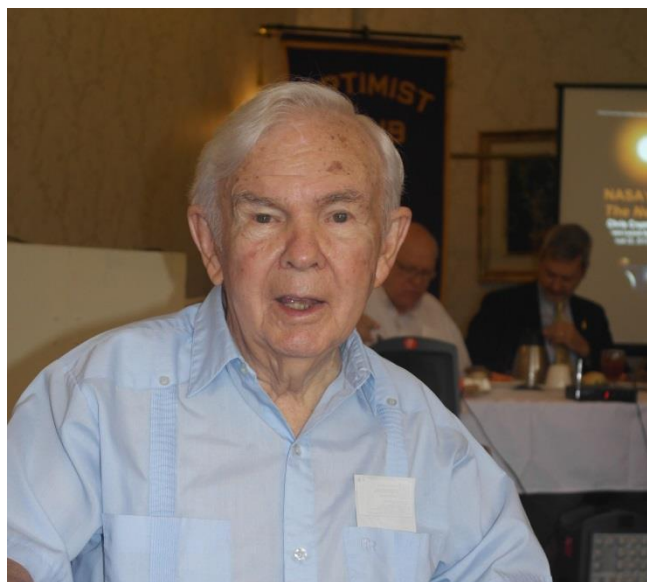
- PHOTOS -



Our speaker - Chris Crumbly



SLS – 70 Ton Model



Dr. Sidney Sandridge

THE OPTIMIST CREED

Promise Yourself -

To be so strong that nothing can disturb your peace of mind.

To talk health, happiness and prosperity to every person you meet.

To make all your friends feel that there is something in them.

To look at the sunny side of everything and make your optimism come true

To think only of the best, to work only for the best and to expect only the best.

To be just as enthusiastic about the success of others as you are about your own.

To forget the mistakes of the past and press on to the greater achievements of the future.

To wear a cheerful countenance at all times and give every living creature you meet a smile.

To give so much time to the improvement of yourself that you have no time to criticize others.

To be too large for worry, too noble for anger, too strong for fear, and too happy to permit the presence of trouble.

Optimist International



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TO: