
Subject: TRA Lunch Bunch

From: Jim Troy (troys@comcast.net)

To: ;

Date: Thursday, April 7, 2016 4:22 PM

The Huntsville TRA Gazette

Since 1805. not the club, Huntsville MARCH 17 2016

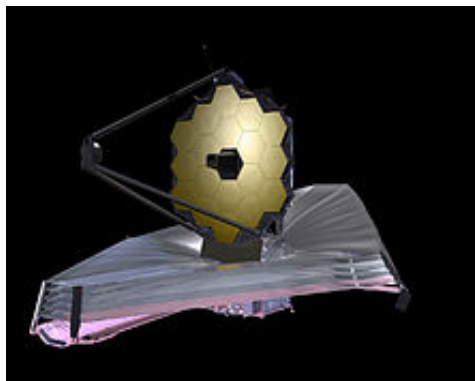
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and here's the news

APRIL MEETING A Next Tuesday

Please join us next (the second) Tuesday April 12, this time at *OLIVE GARDEN* on University Dr 11:30 for Lunch with the Bunch

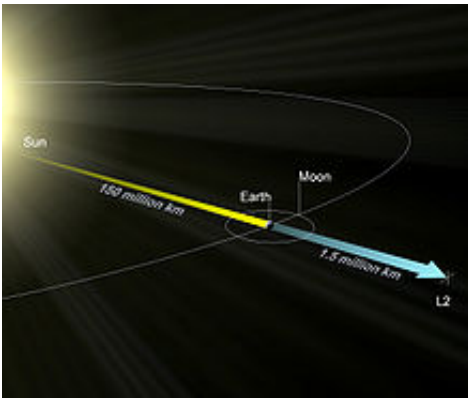
and please welcome and say hello to expected special guest CLIF BARKLEY from Md state and maybe others too



This is the TRW-won, now Northrop-Grumman Webb Space

Telescope

Now completing at Space Park, est launch date October 2018 to view objects well beyond the reach of current instruments including the very first forming stars and galaxies. Its primary mirror is much larger than Hubble. Viewing time will be far greater than Hubble greatly blocked by Earth or Sun, Webb will be parked one million miles out from Earth, but kept at Earth's orbiting year because it will park at Lagrangian Point L2, one of several planet-sun gravitational balance point. The screen (below) blocks sun rays except for solar panels and Earth communications. The primary viewing light will be visible and infra-red light. The latter range is needed due to a red-shift (ala Doppler) due to the universe expansion, and to better study cooler objects, non-solar planets, brown dwarfs, and also distant small objects in our Solar System. Below, a depiction of L2 orbiting slot.



NEWSTUFF

* **Middle School Teachers EarthKAM Mission April 12-16** participating active teachers' students may request images of locations on Earth from a camera onboard the Space Station, free program with downloadable activities about space, geography, math, communications, art. Know a middle school teacher? (anywhere) register click [here](#). A Space Camp / NASA Program

* **Celebrate National Beer Day and Thursdays at the Biergarten April 7** Regular Thursday event at Davidson Center no admission just your food from various kiosks under the Saturn V moon rocket family and dog-friendly, wine and beer. LearningQUEST Day at the Biergarten April 28.

* **NGC Software Signup** Before April 12 to form softball teams please contact John Myrick if interested
John.Myrick@ngc.com

* **Hunter UAV!** The Hunter Army UAV (large drone) several here had worked on went through various models most recently, and shown as current on the NGC site, now had "heavy fuel" engines (turbo prop push - pull) and a much heavier payload, ceiling and range up to 24 hours. A new Army NGC project is called Sky Warrior. As with manned aircraft, the Army and Air Force continue to define which has what missions. A recent article in Popular Mechanics shows the recent MQ5B Hunter UAV and the NGC website shows the development center at Sierra Vista.

* **Travel Reminder** Again, the website ALDOT is an entry (see live traffic report) where you can look ahead on your forthcoming driving trips to locate, in near-real-time, all traffic stoppages ahead so you might bypass the clog and save lots of time. Zooming into their map, red lanes indicate direction of clogs and orange indicate heavy traffic and this extends to surface traffic and to any roads where you plan to drive (on earth).

* **Location, Location, etc** Still accepting meeting locations suggestions. Parameters: No extra fee, order off the menu or buffet, side area where we can sit at a large table or two not fourteen tables, the location typically needs more customers at lunch time, no loud music or (loud) nude dancers, rather central location, decent food and service experienced, not too dirty, not purely a drive-through, eatery is not mounted in a truck (if the engine is running) where everything is in Spanish*. * I can show you two like that.

Today Olive Garden! (next Tuesday) Tomorrow, who knows?

Please also join us for luncheon B later in the month Tuesday April 26, 11:30 at Macaroni Grill.

LINKS

Huntsville TRA <http://www.tra-huntsville.org/PHOTOS.html>

Space Park TRA <http://www.tra-huntsville.org/PHOTOS.html>

Some Grumman legacy retirees on the east coast <http://www.grummanretireeclub.org/>

Northrop Grumman Benefits & Retiree Benefits

[https://benefits.northropgrumman.com/default.ashx?
classname=login&ReturnUrl=/_layouts/Authenticate.aspx?Source=%2F&Source=/](https://benefits.northropgrumman.com/default.ashx?classname=login&ReturnUrl=/_layouts/Authenticate.aspx?Source=%2F&Source=/)

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Attachments

- 220px-James_Webb_Space_Telescope_2009_top.jpg (6.22KB)
- 220px-L2_rendering.jpg (5.85KB)