



Rotary Club of Altadena

Sparks

OFF THE ROTARY WHEEL
AN AWARD-WINNING NEWSLETTER



April 06 2017

This Week

**Ian Fenty, PhD
Oceanographer,
JPL**

**Program Host:
David Smith**



Ian Fenty has a PhD in Climate Physics and Chemistry from MIT and a BS in System Dynamics from Worcester

Polytechnic Institute, Worcester, MA. His interests include:

- Climate dynamics: coupled ice-atmosphere-ocean variability, quantitative estimation and attribution of high-latitude climate variability.
- Numerical modeling: high resolution coupled sea ice-ocean general circulation models.
- Observation systems: remote sensing platforms, geophysical transfer algorithms, adaptive/targeted observation system design.
- Model-data synthesis: strategies for efficient state estimation, adjoint optimization, model/data error estimation.



What do You Want to be When You Grow Up?

Taken from Family Talk by Lori Murray – Scouting Magazine, January, February 2000

To help a child achieve happiness in the world of work, one should start exposing him or her to a variety of career possibilities at an early age. The things they love to do now – their hobbies and interests – could play a large role in deciding a future vocation.

Naturally, a child can't be certain about their ultimate career, but those who are given the opportunity to explore a variety of interests and hobbies are more likely to get involved in a job they love. Such experiences should begin early.

Elementary guidance counselors know just how important it is for students to be exposed to classroom speakers and field trips that introduce them to the world of work. It helps students build an awareness of their own skills and interests.

It is important that they have that awareness before introducing them to the world of work. Here are some ways parents and

other significant adults can help children identify and apply their talents.

- Brainstorm about career possibilities with a child
- Expose a child to jobs that interest them
- Look beyond high-visibility jobs
- Keep dreams alive
- Encourage a variety of extracurricular activities
- Encourage an entrepreneurial spirit
- Try not to talk about your job in a negative way
- Teach children to consider a career for the right reasons

Greeters

April 06
Boyd Hudson
April 13
Ed Jasnow
April 20
Julius Johnson

Program Review

The Juno Mission to Jupiter



Our program last week was all about the Juno project, which Altadena Rotary member, Theo Clarke, worked on. Our speaker was Amy Hale, PhD, an Instrument

Operations System Engineer with JPL. Hale continues to work on NASA's Juno project. She describes her job as a liaison between the teams of scientists and the teams of engineers regarding instruments that are part of the Juno project. Now that the spacecraft has arrived at its destination – the planet Jupiter, the goal of Hale and the other Juno scientists is to unlock Jupiter's secrets.

The Juno program is a NASA project in which many states and countries were invited to participate, including the state of California and Jet Propulsion Laboratory. In addition to JPL, instruments and scientific projects were developed in other states such as Texas and Florida and in other countries such as Italy and Denmark.

Eight such instruments were developed for the Juno project, which included instruments to allow scientists to

- See below the clouds that blanket Jupiter,
- Measure magnetic fields,
- Determine the make up of the core of the planet, and
- Cameras – including infrared cameras, ultraviolet cameras and cameras to take



pictures for the benefit of the public rather than a specific scientific purpose.

We were told that, although there have been challenges along the way, all of these instruments are working and continuing to send back data which is being analyzed here on earth at such centers as JPL.

We were informed that the Juno spacecraft, weighing 8,000 pounds, lifted off from planet earth in August 2011. Five years later,

Please turn to Program, p. 3

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Rotary Club of Altadena - #7183

Chartered: February 14, 1949
 P.O. Box 414, Altadena, CA 91003
 www.altadenarotary.com
 Meets: Thursday, 12:10p
 Altadena Town & Country Club
 2290 Country Club Drive • Altadena, CA
 626-794-7163

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 Craig Cox.....Community
 John Frykenberg.....International
 Tony Hill.....Youth Contests/Awards
 Mike Zoeller.....Youth Projects
 Ray Carlson.....Vocational
 Tom McCurry.....Asst. Vocational

Editor, Design & Typesetting.....Foreman Graphics
 Photography.....Jacque Foreman

April

Mom & Child Health

Program Chair, David Smth

April 06 - Ian Fenty, PhD, JPL - Oceanographer
 April 13 - PCC Veterans' Awards - Guest Program Chair Craig Cox
 April 20 - Kimiko Kelly and Susan Howland, Directors of Community Education,

Congratulations



Birthdays



04/06 - Candace Colliflower
 04/13 - Alice Hudson
 04/18 - John Frykenberg
 04/29 - Mike Noll



Anniversaries



04/27 - Sterling & Olga Louviere

Community Service On an Individual Basis April 08 -- 8a to 12n -- Lunch Served



Christmas Tree Lane (CTLA) is looking for

5 to 7 Rotarians to

help with their Irrigation Augmentation project on Saturday, April 08 from 8 am to 12 noon. Lunch will be served.

The project will take place on Santa Rosa Ave. between Calaveras St. on the north and Alameda St. on the south. (The median area on Santa Rosa - and, if time permits, within the Theosophical Society grounds).

The project involves digging a trench with a trench digger, laying pipe in the trench, filling in the trench after the pipe



has been laid, running irrigation tubing from the pipe to the various dry wells already created on the meridian and within the Theosophical Society grounds.

With the aid of 5 to 7 Rotarians helping the 5 or 6 CTLA members, the job will likely be completed in one day instead of

two days or even two weekends. We need to do this now while the ground is still a bit soft from the recent rains. The idea is to be prepared for the next drought, so trees will not be lost.

CTLA has gloves and shovels, but it is probably a good idea to bring your own gloves, so they fit properly and are comfortable. If you have a favorite shovel, bring that also. I will be bringing my own gloves and my favorite Klondike shovel.

Contact Jacque Foreman for information and to volunteer - foremangraphics@earthlink.net - 626-794-9620 - cell: 626-262-0401

See you on Santa Rosa on April 08. ○

Program

Continued from p.2

with the assistance of a second bypass of earth to use its gravitational force for the extra propulsion needed to slingshot in on its way, it finally arrived at Jupiter on July 4, 2017. Since then it has been orbiting Jupiter every 53 days.

There was an earlier spacecraft sent to orbit Jupiter called Galileo. However, Galileo had a more equatorial orbit of Jupiter whereas Juno has a polar orbit. Also, with advancements in science, the instrumentation on Juno is much more sophisticated. Juno is the first such interplanetary

spacecraft powered by solar panels. It has 18,000 solar cells contained on three 60-foot arms. The spacecraft also rotates at two revolutions per minute in order to maintain stability.

As part of her presentation, in addition to showing us amazing slides from the Juno mission, Hale also let us hear sounds from Jupiter representing an audio interpretation of magnetic impulses coming off the planet.

Hale described how, at the end of its scientific purpose, the Juno spacecraft will be allowed to *de-orbit* into the planet

Jupiter. The descent will be controlled to avoid any risk of contamination to possible microbial life in the area such as may exist on Europa, one of Jupiter's moons that is believed to contain a substantial amount of water.

For further information, you can check out the NASA channel and programs such as *NASA Eyes on the Solar System*, or go to NASA.com/Juno. Amy Hale advised that there are also some cool videos from the Juno project on UTube.

Tony Hill ○



ROTARIANS ON THE ROAD

Sarah O'Brian was still in Cambodia when she followed up her last information with this email

Last week I had the pleasure of meeting with Anna Hsieh, President of the Rotary Club of Angkor, Cambodia. The Club regularly hosts visiting Rotarians from all over the world due to its location close to the magnificent temples of Angkor. The club membership is small and meetings are held – mostly in Chinese – via internet each week. The work of the Club involves overseeing the building of water wells in rural villages and caring for orphans with

mental and physical disabilities in an orphanage outside Siem Reap. Children with disabilities are often abandoned in Cambodia because families cannot care for them.

The government offers very little support for orphanages in the countryside or for the care of handicapped children throughout the country. The Rotary Club of Angkor co-ordinates volunteers who teach and play with the children, and they raise funds for wheelchairs and other resources to improve

the lives of the orphans. Local villagers have been taught how to grow mushrooms, to improve the limited diet of rice and also to sell at local markets.

The members of the Angkor Rotary Club plan to spend the upcoming Khmer New Year visiting the villages supported by the Club and celebrating with the orphans, staff and volunteers at the orphanage. Please join me in wishing them all a very Happy New Year! ○

*A Special Invitation
from Dr. David Campbell*

YOU ARE INVITED TO THE 2017
Spirit of Healing Celebration
 TO BENEFIT THE LOS ANGELES CHRISTIAN HEALTH CENTERS
 HONORING
The Honorable Mark Ridley-Thomas
 LOS ANGELES COUNTY BOARD OF SUPERVISORS, SECOND DISTRICT
 ADVOCATE FOR THE POOR, UNDERSERVED AND HOMELESS
 AND CHAMPION IN THE FIGHT FOR HEALTHCARE FOR ALL

<i>Justin Baldoni</i> DIRECTOR, SOCIAL ENTREPRENEUR, ACTOR AND STAR OF THE CW HIT SERIES "JANE THE VIRGIN" CO-FOUNDER OF THE WAYFARER FOUNDATION AND CREATOR OF THE FIRST EVER SKID ROW CARNIVAL OF LOVE	<i>Karina Moreno Corgan</i> PRINCIPAL, DOLORES MISSION SCHOOL VISIONARY BOYLE HEIGHTS COMMUNITY LEADER CHERISHED LACHC MINISTRY PARTNER
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Saturday, April 8th, 2017
 5:30 COCKTAILS • 6:30 DINNER, ENTERTAINMENT & AWARDS
 AT *The Millennium Biltmore Hotel*
 506 S. GRAND, LOS ANGELES 90071
 COCKTAIL ATTIRE • SELF-PARKING AT PERSHING SQUARE

BOB LUCAS MEMORIAL BRANCH

Extended Hours During Phase I Renovation

If you've been at either of Altadena Library District's branches recently, you have likely seen the poster to the right outlining the upcoming Phase I Renovation at the district's main building. As exciting as this much-needed renovation is, we will be putting some temporary measures into effect, including extended hours at the Bob Lucas Branch and limited options for item drop-off and hold pick-ups at the main library, to diminish any inconvenience caused by the library's brief closure.

During the renovation books can be returned at the Branch Library on the corner of Lincoln and Ventura or in the drop boxes located on Mariposa at the Main Library. Also during the hours of 10 a.m. to 5 p.m., Monday through Friday, a staff member will be stationed at the South Entrance of the Main library to answer questions, renew books, retrieve your items on Hold and assist with any questions you may have about your account. A small selection of new books, movies, audio books and music will be available to browse. ANY LATE FEES incurred during this period will be forgiven.



Extended Bob Lucas Branch Hours
2659 Lincoln Avenue, Altadena

Monday through Thursday
10 a.m. to 8 p.m.

Friday through Saturday
10 a.m. to 6 p.m.

Sunday
12 p.m. to 4 p.m.

Altadena Library District's Main Library will be closed from Monday, March 13th to the end of April 2017 for the Phase I Renovation.

MARK YOUR CALENDARS FOR FUTURE SECOND SATURDAYS

Louis Van Taylor Quintet



Saturday, April 8, 2017
6:30 - 8:30 p.m.

The Michael Haggins Band



Saturday, May 13, 2017
6:30 - 8:30 p.m.

Stay tuned for the next season of Second Saturdays with Upstream in October and the Tone Brothers in November!

Second Saturday CONCERTS



SECOND SATURDAYS
[mostly]
FROM 6:30 TO 8:30 PM
AT THE
**ALTADENA
LIBRARY**

Listen to great music as you sip craft beer and fine wine from The Ale House; savor wonderful dishes from El Patron and Guerrilla Chef Mateo; and sample delectable desserts from Sweeter Than Honey



UPCOMING EVENTS

Todd Washington Trio
Blues, Folk, Rock, Soul and Gospel
January 14, 2017

Splish Splash Band
Rock, Jazz and Blues
February 11

DeRumba
Spanish Guitar to the beat
of the Gypsy Rumba
March 11

Louis Van Taylor Quintet
Jazz
April 8

Michael Haggins Band
Funk and Smooth Jazz
May 13

The Satisfaction Band
Dance music Top 40, Latin Rock,
R&B, Cumbias and Oldies
June 10



**Altadena
Libraries**

600 East Mariposa
Altadena | 626 798 0833
www.AltadenaLibrary.org