

## This Week

### Amy Hale, PhD Unlocking Jupiter's Secrets Program Host: Theo Clarke

NASA's Juno spacecraft was designed, built and launched, and, after five years cartwheeling through space, is now in orbit around the planet Jupiter. It is gathering science data that will enable scientists to catch a glimpse of the dawn of creation of our own solar system. Through Juno the whole world will touch infinity.

But Juno doesn't operate on its own. It needs humans on Earth to operate it. Our program today features one such human, Dr. Amy Hale, Instrument Operations System Engineer for three of the science instruments on Juno: the low energy particle detector, the high energy particle detector, and the onboard camera. She will reveal to us the intricacies of Juno mission operations.

Imagine Juno, this 8,000-pound spacecraft powered by three solar panels containing some 18,000 solar cells, with nine sophisticated science instruments, and the whole thing rotating at 2 rpm about an axis pointing at Earth as the spacecraft orbits about Jupiter. The Juno spacecraft and all its instruments are be-

*Please turn to This Week p. 4*



## Helping Children Learn Positive Values from Sports Heros

*Taken from Parenting Solutions by Robert W. Peterson – Scouting Magazine, Jan. Feb 2001*

Every sports fan is well aware that many superstar athletes leave something to be desired as sportsmen (and women). They talk trash, taunt opponents, and celebrate touchdowns or baskets with dances or gestures designed to show up the other side. A few stars also use illegal drugs, drink too much, and are sometimes accused of assaulting their spouses, friends, or casual acquaintances.

Still, their athletic skills are admirable, and many children want to emulate them. So what's a parent to do if a child adopts as his hero a sports figure whose behavior, either in or out of the arena, is undesirable?

The parent can start by putting the question into perspective, something he or she is uniquely qualified to do.

"Parents are stronger role models for their children than athletes," said Temple University psychologist Frank Farley, Ph.D. "In fact, in the kind of empirical research I

do, I find that mothers and fathers are at the top of the list as heroes for their children," said Farley, who was president of the American Psychological Association in 1993-94.

That's not just for young children either. "When I ask people in their 20s about their heroes, I get about the same percentage who say their parents are," Farley said.

He is not alone in his findings. Researchers who queried Canadian teenagers about their role models also found parents leading the list. "That's very encouraging," Farley said. "There's nobody that beats parents, nobody." ○

## Greeters

March 30  
**Mendel Hill**

April 06  
**Boyd Hudson**

April 13  
**Ed Jasnow**

# Program Review

## Cybersecurity isn't Just Hocus Pocus



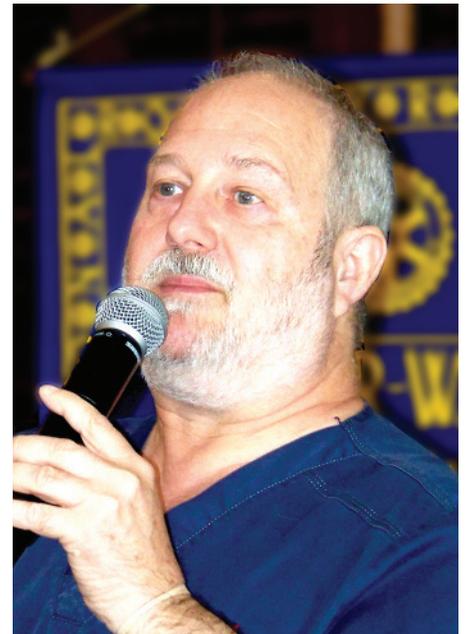
Jay Weiss is the owner of Computer HMO and a magician who has entertained the Rotary Club with his sleight of hand. Last week he described ways to keep our digital devices

safe and secure.

One of the easiest ways to keep bad guys out of our smart phones is to make sure to keep the operating system (OS) up to date. Hackers are always looking for ways to breach our phone's security and the OS updates make sure we have the best protection available.

Weiss told us that the estimates of the global cost of data breaches is expected to reach \$2 trillion by 2019. And, although human error is the cause for the majority of data loss, there are plenty of malicious causes as well. The main sources used by cyber thieves are Emails, websites, cell phones, phone calls (the ones where someone says s/he is from Microsoft and you follow their instructions to infect your computer), and USB sticks.

Ransomware has become a big problem of late. With this method, the bad guys infect your device with malware that will destroy your data unless you pay them money (a ransom). To combat this, you need to make sure you back up your data with an archive. This way, should you become a victim, you can at least restore your data prior to the



infection.

The Department of Homeland Security website contains a lot of good information about cyber safety, combating cyber crime and other topics relating to being safe when you are using digital devices. You can find this information at <https://www.dhs.gov/topic/cybersecurity>.

Sparks is published 48 weeks a year and is the official publication of the Rotary Club of Altadena. The deadline for submission of articles is Friday at 6p to current editor email, fax, or delivery.

### 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

Rotary Int. Pres.....John F. Germ  
Dist 5300 Gov.....Luciano "Lu" de Sylva

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Steve Kerekes, Pres. Elec.....Bus. 626-796-5000  
Steve Cunningham, V. Pres.....Bus. 626-786-1937  
John Frykenberg, Sec.....Bus. 323-810-0651  
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Jacque Foreman.....Sparks/Website  
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Craig Cox .....Community  
John Frykenberg .....International  
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Mike Zoeller.....Youth Projects  
Ray Carlson .....Vocational  
Tom McCurry .....Asst. Vocational

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

### March

#### Water & Sanitation

#### Program Chair, Theo Clarke

March 30 - Amy Hale, Unlocking Jupiter's Secrets

### April

#### Mom & Child Health

#### Program Chair, David Smith

## Congratulations



### Birthdays



03/08 - Jeri Cunningham

03/14 - Steve Cunningham

03/15 - Trish Robinson

03/15 - David Smith



### Anniversaries



03/01 - Tom & Etta McCurry

03/13 - Steve & Sunny Wu Kerekes  
Dennis & Noriko Suzuki Mehringer

## The Impact and Benefits of Rotary Membership



**I**mpact starts with our members – people like you who want to be part of making the world a better place. At club meetings in communities across the globe, our members come together to strengthen their connections to friends and neighbors and their commitment to improving lives.

### **Who can join?**

We're looking for people who want to give back to their communities.

Rotary clubs also welcome Rotaractors, Rotary Peace Fellows, and other members of the family of Rotary who qualify for membership.

### **How can someone become a member?**

Clubs accept new members by invitation. To help find the right club, [rotary.org](http://rotary.org) has a new tool. They'll ask a few questions about the prospect and about his/her interests. Then they'll share the answers with Rotary leaders in the prospect's community who

will match them with a club.

### **What are the benefits?**

Becoming a Rotary member connects you with a diverse group of professionals who share your drive to give back. Through regular meetings and events, you'll:

- Discuss your community's needs and develop creative ways to meet them
- Connect with other leaders who are changing the world
- Expand your leadership and professional skills
- Catch up with good friends and meet new ones

### **Other benefits of membership include:**

- Rotary Global Rewards, our member benefits program, which offers and discounts on products and services. It's Rotary's way of helping our members spend less so they can do more.
- The Rotary International Convention is our biggest event of the year. Rotary members from more than 130 countries meet at the convention each year to

celebrate our successes and make plans for the future.

- Rotary Fellowships give members the chance to join a group of people who share similar interests, hobbies, or vocations. Some groups use their fellowship to make a positive difference.
- Rotarian Action Groups unite Rotary members, family members, program participants and alumni who share their expertise in particular fields by collaborating with clubs and districts on projects.

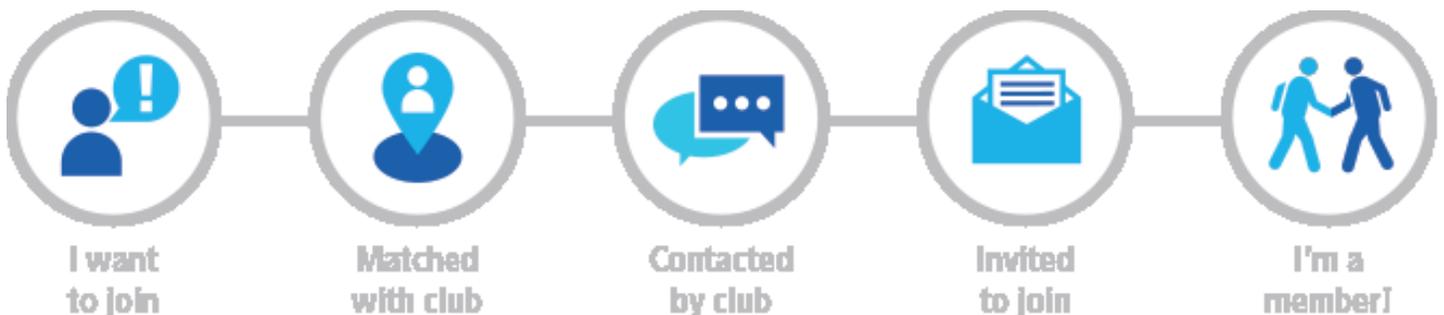
### **What's expected of a Rotary Member?**

As a club member, you will be asked to:

- Pay club dues
- Attend meetings and events
- Use your professional skills and talents to make a difference

↔ ↔ ↔

*This article was taken from the Membership page at [rotary.org](http://rotary.org). Feel free to share with people you know that may have an interest in finding out more about Rotary*



# This Week

*Continued from p. 1*

ing commanded and operated by programs developed by scientists and engineers on Earth, a half a billions miles away. Every spacecraft subsystem and every science instrument has associated with it a systems engineer who serves as the human interface between the subsystems and science instruments and the Project. A systems engineer's job is to coordinate, integrate, and communicate.

In 2000, Hale received her PhD from the University of Pittsburg and, in the same year, began her career at JPL. Before Juno she worked on the Mars Global Surveyor and the Mars Reconnaissance Orbiter. She lectures to school kids and the public about Juno and the space program. Her non-business passions include raising chickens, singing in the synagogue choir, competing in the swim leg of triathlons, scuba diving, and her family. ○



# ROTARIANS ON THE ROAD



*Sarah O'Brian is in Cambodia, and comments on the good works by Rotarians*

Meeting with Brian Carrigan at the Foreign Correspondents' Club (FCC), Phnom Penh. Brian is VP of Phnom Penh Rotary, Cambodia's oldest Rotary Club. He showed me the treated mosquito nets, made locally for only \$2. Over 700 have been distributed by Phnom Penh Rotary since 2014.

We also discussed the Club's project to help people suffering with MEC (Meningoencephalocele) – a life-threatening birth defect rarely seen in the developed world. In August 2013 RCPP joined forces with the Children's Surgical Centre (CSC) to assist with an average of three surgeries a

month and follow-up care. The Club's other projects include:

- The deployment of specialist rough terrain wheel-chairs for disabled children,
- Overseeing the construction of 30 wells and 25 family latrines in the last two years, and
- The distribution of over 200 Aquaboxes since 2012 to provide emergency drinking water and essential shelter during floods.

Carrigan was happy to receive Altadena Rotary Club's flag, and offered a mosquito net in exchange! ○

*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

*Justin Baldoni*  
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

*Karina Moreno Corgan*  
PRINCIPAL, DOLORES MISSION SCHOOL  
VISIONARY BOYLE HEIGHTS COMMUNITY LEADER  
CHERISHED LACHC MINISTRY PARTNER

*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 13<sup>th</sup> 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](http://www.AltadenaLibrary.org)