

June 19, 2014

**This Week**

**Josh Willis**  
**NASA Climate**  
**Scientist**

**The Oceans**  
**and Our**  
**warming World**

**Program Host:**  
**Ed Jasnow**

Josh Willis is a NASA Climate Scientist at the Jet Propulsion Laboratory in Pasadena, California. There he uses NASA satellite data to study the rising oceans and the role of the oceans in shaping our climate.

We often think of global warming as something that happens to the atmosphere, but, in fact, the oceans bear the brunt of human-caused climate change. They also hold the key to our climate future.

In this talk, we will explore the evidence for human-caused global warming and try to unlock the secrets of our planets greatest asset: Its Oceans.



**Dollar**  
 by President  
 Dennis Mehriinger **& Sense**

**Thanks for the Memories, Dad!**

**M**y Father has been gone for three years now. However, with the birth of my two additional children this year, memories of him and visits from his spirit have increased.

So here is a list of the positive things that I remember about him.

1. Thanks for sticking around and helping mom raise me. Thanks for buying all the formula and diapers necessary to keep me happy.
2. Thanks for taking me with you whenever possible to get me away from the gang of girls at home. (for awhile my father was working long hours and I was stuck at home with mom and five sisters.)
3. Thanks for the boxing lessons and golden-glove tournaments when I was 10 and 11. Those resulted in my meeting Cassius Clay when we were both young boys.
4. Thanks for the new suit when I won the math contest in the eighth grade. I know mom pushed you into it but it gave me so much more confidence on TV.
5. Thanks for teaching me to pitch a

baseball.

6. Thanks for the tickets to the Final Four in 1968 between UCLA and Purdue. That day is one of my most lasting memories.
7. Thanks for teaching me to apply my math skills to salesmanship. It has been a key to my career.
8. Thanks for being overbearing while we were in business together. It has taught me to effectively deal with other overbearing people.
9. Thanks for the many times you lent me money.
10. Thanks for being so thrifty so mom does not hurt for anything in her golden years.

Thanks for everything, Dad. I hope to come up and visit with you someday. ○

**Greeters**

June 19

**Ed Jasnow**

June 26

**Demotion Party - Evening**

July 03

**Julius Johnson**

# Program Review



## In Search of Earthquake Prediction

All those in attendance were fascinated by the research that Dr. Andrea Donnellan, Principal Research Scientist at JPL and her team have been performing with regards to understanding earthquakes using space observations.

She began by providing the club with a time-line of the advances in earthquake monitoring over the past 2000 years.

Starting with the Chinese Seismometer in 132 AD to the 1980s when Space Geodesy was invented.

Even with all the advances in technology, predicting the behavior of earthquake fault lines still remains extremely difficult. Earthquakes generate at depth which also makes tracking fault behavior difficult. She shared a fact that the total annualized earthquake losses in California are 3.5 billion dollars, 66 percent of the national losses.

Covering the western United States are three separate plate boundaries: one of which is the well-known San Andreas Fault. Earthquake magnitudes are relative to size and slip of a fault plane. She compared the 1994 magnitude 6.7 Northridge Earthquake which had a slip of 3 meters to the magnitude 9.0 earthquake in Japan in 2012 which had a slip of 25 meters to demonstrate this difference.

Next she explained that many advances in GPS technology have occurred since the 1980s, and researchers are now using a technique called UAVSAR which measures

line of sight ground range changes. UAVSAR uses a rainbow of colors to see movements/changes in elevation prior to and after



small and large quakes over time. It is even advanced enough to see landfills and water main breaks by analyzing the colored blurbs on the surveyed area.

Her presentation then included many different examples of how they determine if a possible quake could happen, and what the UAVSAR images showed that provided these determinations.

In conclusion she mentioned InSAR (interferometric synthetic aperture radar), which is a measurement of the line of sight ground changes to/from the 250+ ground instruments located throughout California and the western United States, and the plans for a US mission using InSAR in the 2020s. Donnellan and her team continue working to address our exposure and responses to these disastrous events. ○

**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. .... Ron Burton  
 Dist 5300 Gov. .... Miles Petroff

#### Officers

Dennis Mehringer, Pres. .... Bus. 626-577-9800  
 Hal Yorke, Pres. Elec. .... Bus. 818-354-5515  
 Julius Johnson, V. Pres. .... Bus. 626-797-1186  
 Gordon Seyffert, Sec. .... Bus. 626-345-0658  
 Mike Noll, Treas. .... Bus. 626-683-0515

#### Directors

Ed Jasnow • John Frykenberg  
 Gordon Seyffert • Sterling Louviere  
 Julius Johnson • Mike Zoeller • Hal Yorke

#### Chairmen

Hal Yorke ..... Administration  
 Ed Jasnow ..... Foundation  
 Jacque Foreman ..... Public Awareness  
 Jacque Foreman ..... Acting Publicity  
 Jacque Foreman ..... Sparks/Website  
 Mike Zoeller ..... Club Projects  
 Craig Cox ..... Community  
 John Frykenberg ..... International  
 Tom McCurry ..... Youth Contests/Awards  
 Mike Zoeller ..... Youth Projects  
 Ray Carlson ..... Vocational  
 Steve Cunningham ..... Membership  
 Editor, Design & Typesetting ..... Foreman Graphics  
 Photography ..... Jacque Foreman

### June Rotary Fellowship Month

*Program Chair, Ed Jasnow*  
 Jun 19 - Dr. Josh Willis, JPL Research Scientist - Climate Change  
 Jun 26 - Demotion Party

### July No Designation

*Program Chair, To be Announced*  
 Jul 03 - Club Assembly  
 Jul 10 - To be Announced  
 Jul 17 - To be Announced  
 Jul 24 - To be Announced

### Congratulations



#### Birthdays



06/03 - Kathleen Ann Fennell  
 06/08 - Theo Clarke  
 06/12 - Tom McCurry  
 06/17 - Gary Clark  
 06/20 - Dotty Clark

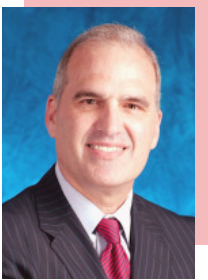


#### Anniversaries



06/05 - Wendy Davis & Mike Noll

## Concerts in the Park Work Best with You *VOLUNTEER*



Our next great service opportunity is coming each Saturday from July 5 through September 6 as we support the *Concerts in the Park* at Farnsworth Park. Each Saturday from 6:30p to 9:00p, nine (9) Rotarians are needed — five (5) to serve as ushers, two (2) to work the concession stand, and two (2) to be available at the Rotary table. The Concert series allows us to raise our profile in the community, provide welcome refreshments to the audience, and raise money for the club.

Sign-ups are now available on ClubRunner at <http://www.clubrunner.ca/Portal/Home.aspx?accountid=1999> — or go to our website and enter by clicking *ClubRunner* on the menu in the upper left corner of the home page.

Under Club Events, you will see the Concert Series. Click on the top entry (Concerts in the Park), and you will be presented with a "Register Online" box on the left of your screen. Click on **Volunteering**, and you see a Member Login. If you know your Login Name and password enter it here and hit the Login button. You will then see all the places you can volunteer.

If you have forgotten your password — click **Forgot your password?** — and a get password screen will appear. You will be asked to type in your last name and Email address. Enter these and select

**Get Login Info** — your login info will magically be sent to your Email address.

Every member of the club can find at least one Saturday where they can help.

We are very thankful for those members who volunteer every weekend!

This is a fun project — please sign up now, and we will see you at the park. ○

**Past District Governor Steve Garrett**  
**Magical Time**  
Posted June 11, 2014  
*Inclusion in Sparks suggested by Mike Noll*  
**Opinions, Motivation and Proddings**

The magical day when Rotary throws out of office all of those who provided leadership in their clubs and districts over the past year is quickly approaching. In a time when our political leaders cling to office for decades we make a clean sweep every year on the first day of July. Many organizations try to stagger the succession of their officers to avoid just the kind of institutional shock that is a structured part of Rotary.

So what do we do with all of those who add past to their previous title? It is unfortunate that all too many of those with experience drift off into the land of forgotten veterans, some even taking a break and ultimately disappearing from Rotary membership. Some of our soon to be past presidents will follow the unfortunate tradition of their Rotary club and join the 'been their - done that - and have the T-shirt' committee who believe

their role is to quietly sit through all future weekly meetings without calling attention to their presence. And then there are those who find it hard to give up the gavel and acknowledge the successes of those who follow.

For those of you who face the impending transition from leader to faithful follower I would like to share the vision of a flock of geese flying in their usual V formation. Notice, if you will, every once in a while the leader falls back in the formation to give another, with rested wings, the opportunity to provide direction to the flock. So as you drop back into the formation remember those geese and make sure your honking is provided for encouragement to go farther and faster. After all is said and done, your new challenge is to make sure your successor is successful. Not to diminish your accomplishments, but to build on your success. ○





# MONEY by Linda Wilkes MATTERS

## ***In The News*** ***June 9, 2014***

Total construction spending rose 0.2 percent to \$953.5 billion in April. Compared to April 2013, construction spending has risen 8.6 percent on a year-over-year basis.

The Mortgage Bankers Association said its seasonally adjusted composite index of mortgage applications for the week ending May 30 fell 3.1 percent from the previous week. Purchase volume fell 4 percent. Refinancing applications decreased 3 percent.

Manufacturing activity rose to 55.4 in May after a reading of 54.9 in April. A reading above 50 signals expansion. It was the 12th consecutive month of expansion, and the overall economy grew for the 60th consecutive month.

Factory orders rose \$3.4 billion, or 0.7 percent, in April to a seasonally adjusted \$499.8 billion. This follows a 1.5 percent increase in March. Excluding the volatile transportation sector, new orders increased 0.5 percent in April.

The trade deficit increased from \$44.2 billion in March to \$47.2 billion in April. Exports fell \$0.3 billion to \$193.3 billion. Imports increased \$2.7 billion to \$240.6 billion.

Retail sales rose 2.9 percent for the week ending May 31, according to the ICSC-Goldman Sachs index. On a year-over-year basis, retailers saw sales increase 3.1 percent.

Non-manufacturing activity rose to 56.3 in May from 55.2 in April. A reading above 50 signals expansion. It was the

52nd straight month of expansion in the services sector.

Initial claims for unemployment benefits for the week ending May 31 rose by 8,000 to 312,000. Continuing claims for the week ending May 24 fell by 20,000 to 2.603 million, the lowest level since October 2007. The less volatile four-week average of claims for unemployment benefits was 310,250, the lowest level since June 2007.

The unemployment rate remained unchanged at 6.3 percent in May. Employers added 217,000 jobs in May and revised the April figure of jobs gained from 288,000 to 282,000.

Upcoming on the economic calendar are reports on wholesale trade on June 10 and retail sales on June 12. ○

Find Linda Wilkes on line: <http://www.myprospectmortgage.com/lwilkes>



## **Living His Dream**

At our last meeting on June 11, Ray Carlson (left) was honored by the local Boy Scout Council for his work in encouraging Rotary members to mentor Boy Scouts in obtaining their Entrepreneur Badges. It is hoped that, with the help of Rotarians, a larger percentage of local Boy Scouts will earn their Entrepreneur Badges.

Charles Wilson, who is with the San Gabriel Valley Council of the Boy Scouts of America and a member of Altadena Rotary, presented the award. ○

## *Form* by Jacque Foreman, editor *Line*

This past weekend Bruce brought my attention to an article in the *The Week* magazine: "Bad Words." In it the author, who appears to be unnamed, quotes three examples of words that have — for bad or good — taken on new meanings over time: Hopefully, Literally, and Unique. The book, which definitely sounds interesting,

is *Bad English* by Ammon Shea.

The mix-up between literally and figuratively is definitely an annoyance to Bruce. We both agree that unique should be reserved for something of which there is only one or to describe an absolutely new way of doing something. I, in all probability, am more annoyed by the misuse of hopefully than he.

This is certainly a book I'll put on my wish list. It looks like a great deal of fun and a book that can be read in pieces. ○



# Job Creation & Entrepreneurship

by C. Ray Carlson, District Chair,  
Vocational Service

## Boy Scout Outreach launched at Rose Bowl Youth Expo

Our outreach to Boy Scouts to encourage them to achieve an Entrepreneurship



Merit Badge was launched at the Rose Bowl on May 31, 2014, where a Youth Expo was held. Upwards of 15,000 Boy Scouts, Cub Scouts, scoutmasters, troop leaders, parents and others were expected, and a steady stream of them passed by our booth #44 for five hours.

We are offering ourselves as Rotarians to counsel Scouts who will sign up for the Merit Badge. Participating were John Frykenberg, Gary Clark, Mike Noll, and myself from Altadena Rotary, plus Denise Wadsworth from San Ma-



rino Rotary. She was especially skilled at talking with Scouts, who were mostly in the age range of her students at Huntington Middle School, and with their parents.

Raoul Pascual, a business owner who is helping with our Job Creation outreach program, drew sketches of Scouts and attracted a steady stream to our booth.

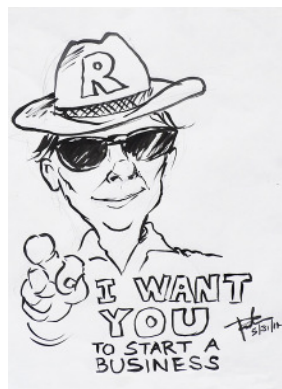
Several Rotarians in Scouting from other clubs stopped in to



express their admiration for what we were doing and offered to promote our program in their clubs and to serve as counselors for the Merit Badge. Other adult visitors expressed interest in visiting a Rotary Club near them and left their names for follow-up.

Our objectives in this venture were achieved. Now, with the help of

Charlie Wilson, an Altadena Rotary member and an executive at San Gabriel Valley Council of Boy Scouts, we will arrange with Troop #4 at nearby Westminster Presbyterian Church to start offer-



ing counseling to their more than 100 Scouts. Wadsworth has already made contact with the four troops in San Marino. For information, contact me at [crayc@mac.com](mailto:crayc@mac.com) or 626-797-5462. ○





# *Mona Jasnow is Retiring!!! Thank You for 34 Years at JPL!!!*



1989



2013

*Let's give her a big, send-off!!!*

**Friday, June 20, 2014**

**5:30 PM**

**Brookside Golf Club Restaurant**

Cost: \$25 per person

(Includes: Hors d'oeuvres, Soft Drinks, and Gift Donation)

*\*If you cannot attend but would still like to make an impact,  
please consider contributing towards the gift*

**RSVP by Thursday, 6/12/14**

to Diana Watkins <Diana.M.Watkins@jpl.nasa.gov>

Send payment to 660 Anita Street Monrovia, CA 91016



**Make checks payable to: Diana M. Watkins**

Send payment to 660 Anita Street Monrovia, CA 91016

**Payment must be received no later than:**

**Thursday, June 12, 2014**

**Name(s):** \_\_\_\_\_

**Phone** \_\_\_\_\_ **No. Attending** \_\_\_\_\_ **Amount Enclosed \$** \_\_\_\_\_





All **FREE** Concerts start at 7:00 PM in the Amphitheater at Farnsworth Park.  
 568 East Mt. Curve Ave., Altadena, CA 91001 for information: 626-798-6335  
 Visit: <http://www.altadenasheriffs.blogspot.com>

### 18th Annual Summer Concert Series Schedule - 2014

Downbeat Express (Big Band with Jennifer Gates)	Saturday, July 5th
Whiskey Hayride (Country music and much more!)	Saturday, July 12th
Hotsy Totsy Boys (Roarin' 20's)	Saturday, July 19th
Let's Go! (Tribute to the Cars & more)	Saturday, July 26th
Floyd & the Flyboys (R & B, Soul, Funk)	Saturday, August 2nd
Upstream (Reggae, Calypso, Soca & Steel Drum Music)	Saturday, August 9th
Delgado Brothers Band (Americana & Blues)	Saturday, August 16th
The MIGHTY Burnt Bacon (Stax Style Soul Band)	Saturday August 23rd

**And... For Our Grand Finale... Saturday, Sept. 6th**  
**Sgt. Pepper in a tribute to the Beatles!**  
 Presented By: Community Events & SSGA

*Thank You to our generous sponsors*



MonteCedro  
 The art of life in harmony

Rotary Club  
 Of Altadena



Georgia Rutherford  
 In Memory of  
 Don Rutherford

ALTADENA'S #1 TOP SELLING AGENT  
 Linda Seyffert & Associates  
 Tracy Lukas  
 Khatchadourian  
  
 Pooley  
 626.791.2800  
 626.712.5194



**ELPATRON**  
 Mexican Food  
 Restaurant  
 www.elpatrononline.com

Your Hometown News since 2007  
**ALTADENA POINT**  
 altadenapoint.com

**All American**  
 Audio Visual

**ALTADENA**  
 COMMUNITY CHEST

2555 Lake Ave.  
 Altadena, Ca 91001  
 626.296.2818