



June 12, 2014

This Week

**Our Next Big Earthquake . . .
 Can it be Predicted?
 Program Host:
 Ed Jasnow**

That's what Dr. Andrea Donnellan, of JPL, is going to try to tell us.

On January 17, 1994 at 4:31 in the morning, the M 6.7 Northridge earthquake abruptly shook Los Angeles. Though this earthquake was not the *Big One*, its 10–20 seconds of shaking killed 57 people and caused over \$20 billion in damage.

The earthquake was the culmination of years of accumulated strain, the last portion of which was measured using survey grade Global Positioning System (GPS) receivers. Donnellan will address the contributions of the Southern California Integrated GPS Network (SCIGN), Interferometric Synthetic Aperture Radar (InSAR), an airborne platform called UAVSAR, and modeling tools to understanding earthquakes using space and airborne observations. Future measurements and missions should provide unprecedented details of earthquake fault

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Dollar & Sense
 by President
 Dennis Mehriinger

**Affordable Housing that's
 Very Costly**

Many cities across the USA have adopted so-called **Builders set aside** policies to promote low income housing without any direct costs to the Treasuries of the City, State or Federal Governments. In a typical scenario, a developer agrees to give low income renters a substantial discount in rents and, in return, the local housing agency allows the developer to build more housing density in the redeveloped location.

Let's take for example Arbington House at 500 West 30th Street in New York City. It is a new luxury apartment building within Manhattan that, for most of the public, is extremely expensive. The cheapest apartment at regular rent is \$5,850 per month which gets you one bedroom; a two-bedroom, two-bath apartment runs \$8,694 per month.

But 78 apartments in the building — or 20 percent of the units — are set aside as affordable housing. That means that 19 two-bedroom apartments are priced at \$687 to \$873 per month. That is a 90-percent discount. To qualify, a family's

income must be between \$25,612 and \$42,950 per year, and they have to win a housing lottery which awards the apartments at a citywide drawing from millions of entrants.

There are two distinct advantages to this program:

1. Developers pay for it so it has no direct fiscal cost on city, state or federal budgets;
2. It produces economic integration since you have high and low income households walking down the same hallways.

The main advantage to this developer is he was able to build and rent 33 percent more units than he would otherwise have

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Greeters

June 12
Boyd Hudson

June 19
Ed Jasnow

June 26
Demotion Party - Evening

Program Review



Are You prepared for the Next Emergency / Disaster?

Last Thursday Rich Baenen, a retired fire serviceman, discussed preparedness in case of an emergency/disaster. He started by listing a few major disasters that can affect us in our area.

1. **Fires** – with a loss of property and evacuations
2. **Floods**- that follow the fires

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3. Earthquakes

Although we have had a few major fires recently and in the recent past, our last major earthquake was in 1994, and, according to Baenen, we are statistically overdue.

Baenen presented the question “what would you do if” An earthquake can do most damage and affect our lives. If an earthquake happened, for example, you would immediately get under a table, duck, cover and hold. You would want an evacuation plan, and later a rallying point, so you know where to go and help you get a head count. Later, you would want to go home to get to your family. But the question was presented: “How would you get home?” Also, do you have anything in your vehicle in case of a disaster, such as a blanket, water and a first aid kit. He stated that, in the future, the next time you go into a building or home, think to yourself: “What would I do if ... ?”

Baenen said that, moving forward there are three things you should plan for in case of an emergency or disaster.

The first is water.

Water is our most important commodity in the face of disaster. Baenen



said you should have at least one gallon of water per person for three days. Do you have enough water stored? One way to get water is from a home water heater. To use a water heater, you need to check where the water shut off valve is so you can shut it off right away to prevent back flow. You also need to know where the valve is so you can get the water.

Second is utilities. You need to know where all your shutoffs are. You should also have the gas company come out and check the shutoff to make sure the gas

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June Rotary Fellowship Month

Program Chair, Ed Jasnow

- Jun 05 - Mike Zoeller, Guest Host - Red Cross Disaster Preparedness
- Jun 12 - Dr. Andrea Donnellan, JPL Research Scientist - Predicting Earthquakes
- Jun 19 - Dr. Josh Willis, JPL Research Scientist - Climate Change
- Jun 26 - Demotion Party

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



Rotary Youth Programs



We had a whirlwind of Youth Programs in May. The Junior ROTC awards/Americanism awards is always a highlight of our Rotary year. It was exciting to see these young people accept their awards and tell us about what they expect to do after completing high school. It is always touching to hear the students

Program

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can be shut off.

Third is communications. Ninety-five percent of people want to make a call, which can overload cell sites and landlines, making it nearly impossible to call. So how do you communicate if you can't make a call due to over capacity? Some solutions were presented:

1. Ham radios
2. Texting
3. Know a place where everyone can gravitate to in case of a disaster
4. A designated place outside of California you can call
5. Satellite phones

Rich Baenen presented very good ways of going forward after an emergency or disaster and things to do and think about in case of an emergency or disaster. Baenen ended the presentation by saying, "when you go home today, if you don't know, learn where your shutoffs are, gas, utilities and power." Did you? John Casci ○

tell about how the ROTC experience has helped them to develop drive and determination to succeed in life. It is also touching to hear about the impact of the instructors on their personal lives, such as helping them to deal with the absence of a father in their households.

Thanks to Tony Hill, we were able to *rescue* our participation in the Rotary Youth Leadership Awards (RYLA) and to have the privilege of sending four (4) students to participate. It was great to have them relate their experiences to us, and to hear how the immersion into activities with students from all over District 5300 opened their eyes to so many new and exciting aspects of our culture.

With the help from Chris Anderson, the former mentor of the Interact Club

This Week

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behavior and interactions, which can be used to address our exposure to these disastrous events.

Donnellan is a principal research scientist at NASA's Jet Propulsion Laboratory, and Adjunct Assistant Professor of Research of Earth Sciences at the University of Southern California. She is Principal Investigator of NASA's QuakeSim project, which was co-winner of NASA's Software of the Year Award in 2012.

Donnellan was Deputy Manager of the JPL's Science Division, Pre-Project Scientist of an L-band radar mission, and NASA's

at Pasadena High School, we now have a new mentor for the Interact Club, and we will be able to start anew this fall at Pasadena High. In the past several years, Tony Hill and Harold Yorke have been very involved in this Interact Club, and, thanks to their efforts (especially Tony), we will be able to restart it this fall. Both of these members had daughters who were very active in Interact.

We really appreciate being able to work with our schools to provide this level of support, and the month of May is when we get to see the *fruit of our labors*. On a side note, let's remember that the students, teachers, and supporters really appreciate the opportunity to have a great lunch in a great setting. This is a rare experience in their busy school schedule. ○

Applied Sciences Program Area Co-Lead for Natural Disasters. She received a BS in geology from the Ohio State University in 1986, a master's and PhD in geophysics from Caltech in 1988 and 1991 respectively, and an MS in Computer Science from the University of Southern California in 2003. She held a National Research Council postdoctoral fellowship at NASA's Goddard Space Flight Center.

Donnellan has conducted field studies globally in tectonically active areas, and on ice sheets and glaciers, and has received numerous awards. ○



MONEY by Linda Wilkes MATTERS

In The News

Pending home sales, a forward-looking indicator based on signed contracts, rose 0.4 percent in April, following a 3.4 percent increase in March. On a year-over-year basis, April pending home sales were down 9.2 percent.

The Standard & Poor's/Case-Shiller 20-city housing price index — on a non-seasonally adjusted basis — rose 0.9 percent in March after a flat reading in February. On a year-over-year basis, prices have risen 12.4 percent when compared with March 2013.

The Mortgage Bankers Association said its seasonally adjusted composite index of mortgage applications for the week ending May 23 fell 1.2 percent from the previous week. Purchase volume fell 1 percent. Refinancing applications decreased 1 percent.

Orders for durable goods — items expected to last three or more years — increased \$1.9 billion, or 0.8 percent, to \$239.9 billion in April. This follows a revised 3.6% increase in March. Excluding volatile transportation-related goods, April orders posted a monthly decrease of 0.1 percent.

The consumer confidence index rose to 83 in May from a revised 81.7 in April. The index was benchmarked at 100 in 1985, a year chosen because it was neither a peak nor a trough in consumer confidence.

Retail sales fell 1.2 percent for the week ending May 24, according to the ICSC-Goldman Sachs index. On a year-over-year basis, retailers saw sales increase 2.1 percent.

The Commerce Department announced that gross domestic product — the total output of goods and services produced in the US — decreased at a revised annual rate of 1% in the first quarter of 2014. The initial report was an increase of 0.1 percent.

Initial claims for unemployment benefits for the week ending May 24 fell by 27,000 to 300,000. Continuing claims for

the week ending May 17 fell by 17,000 to 2.631 million, a new recovery low. The less volatile four-week average of claims for unemployment benefits was 311,500, a new recovery low.

Upcoming on the economic calendar are reports on construction spending on June 2 and factory orders on June 3. ○

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

Form by Jacque Foreman, editor Line

A week or so ago I read our District Governor's *Goodbye Article* in the *High-lighter*. Over and over again he wrote, "I want to thank . . ." In the end, he thanked no one. All we knew were the names of those whom he wished to thank, but, for some unstated reason, could not. That is, that's what we knew if we, in truth, read what he wrote. I hear those words all the time, and I'm sure you do also.

In fact, I hear them so often that, on occasion, I even catch myself saying them. And I work to be quite specific in both my speaking and writing.

Today (Sunday), Bruce pointed out that Miss Manners (*Star News*) had something to say about this pet peeve of mine. Basically she writes that, since everybody says it and writes it, don't worry about it. Well, one thing that she is forgetting — or maybe never paid enough attention to know — is that there is always someone reading or listening who will know the

Then, Damn It, Do It!

difference, and you may be judged as a person who pays absolutely no attention to detail and lose a job or a promotion because of it. I can tell you this: When I am in the audience and I hear the person at the front of the room say, "I want to thank . . . for doing . . . , I mutter, "Well then, Damn It, Do It.!" ○

Dollars & Sense

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been allowed on this site because he voluntarily included 20 percent low income housing. They are also usually exempt from rent controls.

However, many developers refuse to participate because they say the allocation to low income housing is too high. Also, they consider the amount of subsidy to be excessive. Therefore, over the last eight (8) years, only 3,000 low-income units have been built in New York City using this method. ○

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

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