



# THE SPUR

Oct. 4, 2017

The ROTARY CLUB of LIVERMORE



## Climate Change Causation

Ben Santer



Meeting Photos by Pat Coyle



**Bob Jacobs**  
*Your Spur Reporter*



**Bob Cowan**  
*Thought for the Day*

We could have met today at the DoubleTree like we always do – but we didn't. Instead, the Robert Livermore Community Center welcomed us with great german sausages, german potato salad and brussels sprouts for lunch.

Deborah McQueen got us underway with the Pledge of Allegiance. Jon Hart led us in a rousing rendition of "Here Comes the Sun" – in honor, he said, of climate change!

Bob Cowan favored us not only with a Thought from the Day – but with several



### Rotary Make-up Opportunities in the Tri-Valley

TUESDAY	TUESDAY	TUESDAY	THURSDAY	THURSDAY	THURSDAY	FRIDAY
11:55 AM-12:30	7:00 AM	12:15 PM	12:15 PM	7:30 PM	6:00 PM	12:10 PM
Interact	Livermore Valley Club	Dublin Club	Pleasanton Club	Rotaract Club	Tri-Valley Club	Pleasanton North Club
Livermore High Room 412	Beeb's Livermore	Dublin Ranch Golf Club 5900 Signal Hill Drive	Haps Original Pleasanton	Handles Gastropub Pleasanton	Castlewood CC Pleasanton	Handles Gastropub Pleasanton

New Day!

# The Meeting

thoughts, such as: “If want to achieve greatness, stop asking permission” and “With all the advances in medicine, there’s still no cure for the common workday!” Perhaps more profound is “What’s the point of being alive if you don’t at least try to do something remarkable?” and “Somewhere in the world, someone else is very happy with a lot less than you have.”



Jay Davis introduced us to his first (and apparently only) wife Mary as his guest today.



Milly Seibel introduced Joel Swanson – as one of our red badgers.



Mike Riehl gave us a quote of the week – by reminding us of the importance of keeping multiple copies of important papers!



Beth Wilson introduced her guest Del Eckles.



Pat McMenamain presented several Rotary International Foundation Awards (did you know that Arch Klumph was the founder of the Foundation?) Paul Brown is our newest Paul Harris fellow (which means he has donated \$1,000 or more to the Foundation this year). Phil Dean presented Paul with the award.



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# The Meeting



Pat also acknowledges Clark and Kathy Streeter as major donors of our club, and he expressed many thanks on behalf of the Trustees of the Foundation and the members of our club. In appreciation of their contributions, Pat presented them with a crystal award and he presented Kathy with a major donor pendant.

John Shirley climbed Mount Witney on his 75th birthday; the John Shirley challenge is for the club to contribute one million dollars to the Rotary International Foundation over the lifetime of John Shirley.



Andy Lobban is one of our newest members – and he's sponsored by Jon Hart. He's at Saint Bartholomew's church.

Rotary Avenues of Services meeting is tomorrow, October 5, 2017 at 5 p.m. at the Santa Clara Biltmore Hotel in Santa Clara, California.

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# The Meeting

On October 21 we will conduct our first Rotary Home Repair (for the elderly) – organized by Dean Simpson and Ross Phillips. So mark your calendars!

Angelika Voss—Quinn announced our upcoming Rotary Social on October 20. Angelika and her husband went to Peru and visited Macchu Pichu (along with Lake Titicaca). Thanks to Angelika for paying \$1,000 to the Club Fun Run.



Nancy Steele pledged \$50 to the Music fund in honor of her recent trip.

T.J. Gilmartin (and Bruce Shore) noted that the current production of Don Pasquale is outstanding (Bruce thinks it may well be one of the best opera productions we've had in Livermore).

Next Monday night at 5:30 p.m. at Alden Lane the nominating committee will be meeting to nominate next year's officers for the club.



Mike Thompson announced that Saturday, November 18 is the next mystery dinner. The cost will be \$130 per couple or \$70 per single. There will be food, fun and friendship.



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# The Meeting



Ken Mikulick Pledged \$100 to the Polio Plus fund.

Jay Davis introduced our speaker Bill Santer (who has apparently been under police protection more than once in connection with his work involving climate change). His remarks today were titled “How a Sentence Changed Science: Lessons Learned from the 1995 Climate Report.”



Many years ago, Bill Santer accepted an invitation to author a pivotal chapter in a book which was published in 1995 dealing with causation in climate change. The upshot of his work was the following sentence: “The balance of evidence suggests a discernible human influence on global climate.” He said these 12 words will follow him for the rest of his life. It was the first time that the greater scientific community had acknowledge that mankind is no longer a passive observer about climate change, but is

having an actual, direct effect on climate.

Shortly after authoring this chapter, Bill was accused of several kinds of professional misconduct: “Corruption of peer-review process; Political Tampering and Scientific Cleansing.” As Jay Davis noted, his work has become a “contact sport.”


The chapter he authored was written before the internet era, and was not released in this country by the publisher, Cambridge Press. The backlash he experienced was his first experience with fake news.



He learned a key lesson: “Words are powerful. They can change the world.”

He also learned a second key lesson: “Respond to Criticism with Sound Science.” In other words, “Never engage in ‘science by eminence of position.’ Do the science necessary to address the criticism.”

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# The Meeting



Bill posed a question: "Has there been a 'leveling off' of warming over the past two decades?" He answered his

own question by displaying a summary of satellite temperature readings in the mid to upper Troposphere over the last 38 years.

The third lesson he learned: "If you have a voice, use it." "Climate scientists don't have the luxury of remaining silent."

So it's clear Bill has absolutely no doubt but that climate change is real.

The fourth lesson he learned: "If your scientific findings are robust, others will confirm them."

"Human influence has been detected in warming of the atmosphere and the ocean, in changes in the global water cycle, in reductions in snow and ice, in global mean sea level rise, and in changes in some climate extremes . . .

It is extremely likely that human influence" has been the cause of these changes.

The fifth lesson he learned: "Don't just preach to the choir."

Bill said that the projections are 4.5 to 9 degree temperature increases by the year 2100. The projections in sea-level rise are between 10 and 38.6 inches – which of course would have a profound effect on our world.

Many thanks to Bill for sharing with us these timely and significant points.

Since 1980 **Fernando Romero, Jr.**

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# The Meeting





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## COMING ATTRACTIONS

- Oct 11 - Meeting -Mini Grant Awards (Randy Schlientz)
- Oct 18 - Meeting - Speaker Marc Roberts, Livermore City Manager  
 "Downtown Plan Update"
- Oct 25 - Meeting - Speaker Scott Gregerson, Stanford/Valley Care
- Nov 1 - Meeting Speaker Dr. Al Frank "The Great Solar Eclipse of 2017:  
 Why Its Data Is Crucial to Solving Mysteries about the Sun"

## Spirit Run - Sunday Oct. 29

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5K Run/Walk • 10K Run • FREE Kids Activities

Rotary  
 Club of Livermore



3<sup>rd</sup> Annual

**Spirit Run**

Run or walk this SPOOKTACULAR event!

**Sunday, October 29, 2017 in Livermore**

Day of Registration: 7:30 a.m. Races Start: 9:00 a.m.

**Community Fun Run for Local Education**

**COSTUMES ENCOURAGED**

Best costume prizes for both kids and adults.

**SCENIC RUN**

Starts & Ends at Carnegie Park Rotary Bandstand in Livermore.

Entrants Receive Unique T-shirts, Awards & Refreshments.

**Livermore Rotary provides funding to support both teachers and students. Help us enable every child to finish first.**