The ROTARY CLUB of LIVERMORE

## Floating Nuclear Reactors



Meeting Photos by TI Gilmartin

What could be better than singing "Red River Valley" under the expert leadership of Johnny Hart?

Dennis O'Brian inspired us with our "Thought for the Day." When his son was younger, he told Dennis "Hey - calm down." Sometimes we learn from our kids, and sometimes they learn from us. Never, EVER, in the history of "Calming Down" has anyone EVER calmed down when they were told to "Calm Down."

Words to live by.



**Bob Jacobs** Your Spur Reporter



Dennis O'Brian Thought for the Day



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

**TUESDAY** 11:55 AM-12:30 Interact Livermore High Room 412 New Day

**TUESDAY** 7:00 AM Livermore Valley Club Beeb's Livermore

**TUESDAY** 12:15 PM **Dublin Club Dublin Ranch Golf Club** 5900 Signal Hill Drive

**THURSDAY** 12:15 PM Pleasanton Club Haps Original Pleasanton

**THURSDAY** 7:30 PM Rotaract Club Handles Gastropub Pleasanton

**THURSDAY** 6:00 PM Tri-Valley Club Castlewood CC Pleasanton

**FRIDAY** 12:10 PM Pleasanton North Club Handles Gastropub Pleasanton



Visiting Rotarians: Lori Souza (who used to be in our club but is now in the morning club). Lori let us know February 12, 2018 is the morning club's movie fundraiser - 1517 to Paris, a true story about terrorists who took over a flight, directed by Clint Eastwood.

Bob Tucknott also graced our club today with his presence.

Guests: Tim Weaver introduced Dick Warga - former club member - who would like to come back into our club.

Jay Davis introduced Maryann Brent.

Bob Cowan introduced his guest Bruce Cruikshank (who builds his own airplanes, of all things!)

We were also pleased to have with us Jacob Reid, Dianna Geyer and Helen Meier.

Phil Dean introduced red badger Wendy Ellison.

We heard a wonderful new member talk by Wendy Ellison-Rosenkilde Ph.D - she graced us with her first-ever Powerpoint presentation! Wendy has several degrees - several masters degrees, a Ph.D from USC, and she has attended Las Positas.



Her current interest is Genealogy - she's doing a project researching a Quaker flour mill that operated during the civil war. Her joy in life is music - she's involved in the San Ramon Symphonic Band and the Pleasanton Community Concert Band. She embroiders constantly. Among other things, she is a clinical psychologist. Her family is involved in Kiwanis and Lions Club.



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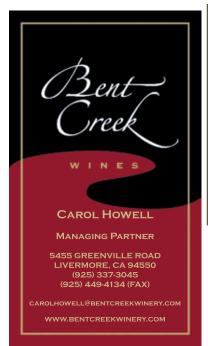
Pat Coyle had the pleasure of recognizing several donors who donated a thousand dollars or more during 2017. These include Kathy Coyle, Hagop Manuelian and Marty Plone. Pat let us know that

in 1987 the Club established the Rotarian Foundation of Livermore. The morning club joined a few years later. It's a public charity that seeks to create opportunities for young people, promote community life and other charitable purposes.

The trust corpus is presently more than 1.3 million dollars, thus ensuring the Foundation's ability to serve the community long into the future. From 1999 to 2017 the Foundation awarded more than 1.1 million dollars in community grants. It purchased a mobile health unit in 2007 for \$350,000. It constructed the Rotary Bandstand in Carnegie Park, using lots of donated labor and services from our own

club. For the last 8 years, the Foundation has held a December Holiday party for approximately 200 of our community's neediest children. The Foundation also sponsors and coordinates the Dictionary project.

We are all invited to "Climb the John Shirley Challenge" to raise one million dollars to the Rotary International Foundation over the lifetime of John Shirley. We're halfway there!



### If you missed it . . .

If you missed the Rotary program, or a new member talk, or if you want to see it again, just go to the Rotary website, click on "Club Publications," click on videos, and they are all there. Just click on your choice and it will play. Also, friends can see the videos just by going to our website and clicking.







Pat McMenamin awarded the following Paul Harris fellowship pins:

Tom Heineman, who received a Paul Harris Fellow pin and certificate

Ken Mikulasek, who received a Paul Harris Fellow + 2 pin

President Sam Steele, who received a Paul Harris Fellow + 3 pin

Marc Roberts, who received a Paul Harris + 4 pin Bill Nebo, who received a Paul Harris + 6 pin

Through their donations to the Annual Fund and the Polio Plus Fund, these members support the humanitarian and educational purposes of the club in making significant contributions to the lives of others.



Pat McMenamin awarded also awarded District 5170 certificates to 11 of our club members for their generosity as Major Contributors to The Rotary Foundation 2017-2018: in Paul Brown, Stu Gary, Bill Nebo, Marc Roberts, Milly Seibel, Sam Steele, Barbara Hickman, Jay Davis, Paul Thompson, Phil Dean, Irv Stowers, and Kathy Coyle. These certificates are signed by our District Governor, Orrin Mahoney, the District Foundation Chair, Russ Hobbs and District 5170 Paul Harris Society Coordinator, Dean. In past years this club has been the highest rated



club (or sometimes second) in our District for the number of Paul Harris fellows.

Worldwide, each year about 7% of Rotarians donate \$1,000 or more to the Rotary International Foundation, but these contributions represent over



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40% of the funds received each year by the Foundation. So their contributions are essential.

The Dictionary project bookplate signing is next Tuesday at 7 p.m. at Carol Howell's home. Those interested in participating can contact Sheila Fagliano or Carol Howell.

The Crabs are coming on February 2. Ken (crab) Perine gets to place the crab order next Monday. So we will have crab at the event! There is still need for some more help in the kitchen or in the bar. Those able to help out can contact Ken Perine. Donations of gifts or services to be auctioned off need to be coordinated by next Wednesday. (We did get a Treadmill and time at a cabin in the woods). The auction can definitely use any frequent flyer miles that members would care to donate - if you are willing to donate some miles, contact Deborah McQueen.



Ken let us know that these donations are a key way that we make money at this event. The crab feed is sold out, but there is a waiting list - so if you want to sign up on the waiting list let Debbie Peck know.



# NEW MEMBER PROPOSALS

is the publication of a new member proposal for past member Dick Warga and Jacob Reid, a Financial Advisor with Capital Insight Financial Group. Both have been sponsored for membership by Tim Weaver, If anyone has an objection to these proposals, please contact Ken Perine.







Jay Davis introduced our speaker, Ralph Moir, who got his Ph.D from U.C. Berkeley. Jay Davis worked with him on Fusion when Fusion was only 20 years away. Because of their efforts, fusion is now only 50 years away!

Ralph let us know that climatologists say that temperatures are expected to

increase by 5% celsius and the oceans are expected to acidify. As a result, nuclear energy can be a key aspect to our global power supply plans. Ralph is involved in a small startup that is working on advancing the use of nuclear power. His startup plans to rely on Thorium Converter (ThorCon) power Ralph said that developing nations generally accept nuclear power plants - but the U.S. is not as receptive.

His plan is to build large barges that will each contain an entire nuclear power plant. Each large barge can be towed anywhere there is a dock or harbor with at least 20 feet of water. This would make the power plant totally mobile, and cost effective since it could be built in a shipyard and then towed wherever it is needed.

proposes to use was built 50 years (ahead of its time) but was then shelved. It's not new technology. The concept is that the reactor would heat salt by 200 degrees celsius, and uses this heated, molten salt to develop power. Each reactor would be built in a shipyard (which is very efficient), placed on a barge, and floated to the site where the power is needed and then be flooded so that the barge sits on the floor of the harbor. He's not been able to sell the concept because the cost of operating such a facility is approximately the same as the cost of running a coal fired plant (and the US government has no interest in creative, alternative approach to power generation).







Even though the U.S. government seems to have no interest in this concept, Indonesia is very enthusiastic about using it. The Russians and Koreans are likewise interested in developing this concept.

The concept is safe - there is a passive safety approach, where if the device starts to overheat it would melt a safety valve and disburse the nuclear material in order to avoid a meltdown.











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### **COMING ATTRACTIONS**

Jan 31 - Meeting- The Richard D. King Speech Contest - first round

Feb 7 - Meeting - InterAct Auction

Feb 14 - Meeting - Kathy Streeter & Team "Valentine's Day Fun Activities"

Feb 20 - Board of Directors meets at Mountain Mikes

Feb 21 - Meeting - Speaker Brad Howard, Rotary International Director,

"People of Action: Rotarians, Local and Global"

Fab 28 - Meeting - Speakers IB Coordinators Jon Cariveau, GHS, and

Karen Marguth, Joe Michell K-8 "International Baccalaureate (IB)

Diploma Programme in LVJUSD

DIST. 5170 GOVERNOR Orrin Mahoney ASSISTANT GOVERNOR Milly Seibel PRESIDENT - Sam Steele PRESIDENT ELECT - Kathy Coyle SECRETARY -David Rounds TREASURER - Irv Stowers **CLUB SERVICE DIRECTOR** Alan Frank MEMBERSHIP - Ken Perine **PARLIAMENTARIAN** Sblend Sblendorio SERGEANT at ARMS John Sarboraria **PUBLIC RELATIONS -**Jessica Carroll COMMUNITY SERVICE DIRECTOR Lvnn Freeman INTERNATIONAL SERVICE DIRECTOR Pat Coyle INTERNATIONAL FOUNDATION Pat McMenamin MAJOR EVENTS DIRECTOR Jonny Orenberg **VOCATIONAL SERVICE DIRECTOR** Will Bateson YOUTH SERVICES DIRECTOR Jaslvnn Liotard TRAINING OFFICER Kathy Streeter YOUTH PROTECTION OFFICER Ted Michels PAST PRESIDENT -Don Wentz

