

Rotary Club of Livermore



Spur Report 10-25-2023 - Physics with Smartphones

Your Spur reporter: Kathy Coyle

President Sheila opened the meeting at 12:30.

Dianna Geyer led us in the Pledge of Allegiance.

Today's song was by Bob Dylan - "The Times They are A-changing", which was totally appropriate and fun to sing. Thanks to Tim and Stu for choosing this one!



"Think Pink" was Kimbrey Gruidl's Thought for the Day. Did you know that pink is one of the oldest colors known to us? 1.15 Billion years ago pink was discovered and since then many of us have become pinkophiles. In the 1940's somebody decided that pink was for girls and blue was for boys. Pink signifies kindness, love and femininity in today's world and is the color for Breast Cancer awareness month, which is October.



Front line today: Kathy Coyle- Spur reporter and publisher, Dennis O'Brien - A/V, Jeff Youngsma- Zoom, Irv Stowers - Photos and Greeter Trex Donovan.



There were no Visiting Rotarians today, but we had a special guest - Nancy Morgan. Mike and Nance have been married for forty years! We also had Ron Koopman's care-giver Celia.



Announcements:

Bob Cowan reported that the READY students had a wonderful time at the San Jose Tech Museum on Saturday.



Joel Swanson reported that The Veterans First Program at Las Positas college was also a great success.

Brian Mayall has injured his wrist. Sblend sent around a card for Brian. If you weren't at the meeting you can send him well wishes on your own.

Dublin Rotary is hold a fundraiser for the Wheelchair Foundation at Page Mill Winery on October 26 at 5:00 p.m. All proceeds go to the Foundation.

Brag Sheet!

Nothing to brag about this week :)

Halloween Party at Garre was a lot of fun! Here is one photo from the event. There is a little [movie](#) of the party on our youtube channel!

Past RI President Jennifer Jones will be visiting Oakland #3 next Thursday. It is too late to sign up for the dinner but you can still register to Zoom.



President Sheila

Red Badgers are welcome to attend our Club Board meetings held at Center Point Center behind Tri-Valley Haven's Thrift Shop at Railroad and L Street. 11:30 to 12:30. fourth Thursday of the month.

Change to the Board: Keith Beck is taking on the Youth Services Chair for Trish Munro. Thanks Keith!

Students of the Month

Bill Nebo introduced Livermore High School Principal Roxanna Mohammed who brought three wonderful students today: Michael Zhang is a super senior with stellar GPA and SAT scores. He loves everything Physics and has formed more than one club at Livermore High, including Physics, Math and Investors.



He is also an accomplished pianist. Math and music are very similar! He is applying to top tier universities to pursue Physics.

Michael introduced his parents, Mr. and Mrs. Zhang.



Lillian Skekenheur is only in 10th Grade but is a shining example of entrepreneurship. She has formed Floral Love Farms, which is a sustainable organic floral farm. She provides flowers for special occasions. She is interested in pursuing a degree in soils management and organic agriculture.

Lillian is also a competitive swimmer, which we wants to continue throughout her life. She also



supports working dogs and doing community service such as Arroyo clean-up. Lillian is also very supportive of new students at LHS and mentors through the Link Crew Program.

Parents Monica and Jason should be very proud!



Mickelina Monico is a micro-sprint race car driver. So is her Dad Mark! She and her Dad hold an event called Race for Research, in support on St. Jude's Hospital. Together they have raised more than \$115,000. Mickelina is part of the St. Jude's outreach team. Her goal is to have a career in Bio-Psychology with St. Jude's. I look forward to seeing her in one the hospital's television campaigns!



Next week's Program : Julie Moore from Fremont Bank

Today's Program:



Dave Rakestraw from LLNL brings Physics education to Smart Phones. Dave is a scientist and a teacher. He has been working on equity in Science education, through the use of smart phones. Not all schools can fund the equipment for high quality laboratories, but almost any student can get a smart phone. This was a fascinating program and I encourage you to watch this week's video. Dave showed a video from KTVU news featuring LHS students conducting experiments on their phones. He has taught educators how to use what he has learned, as well as having 25 summer interns and doing presentations in high schools.

The image shows a hand holding a smartphone displaying a graph with multiple data series. To the right is a blue rectangular sign with the text 'PHYSICS WITH PHONES' in white, and a QR code below it.

Here is a QR code you can use to access his 3,000 pages of experiments, linked on LLNL website or download his app. He also indicates that PHYPHOX is an excellent app to download, if you want to do some of your own experiments. These are available on the App Store on Iphone and Android.

You can also visit the website: <https://st.llnl.gov> and choose Physics with Phones.

Youtube channel

Youtube Channel

Meetings are videoed and published on our Youtube Channel. [Click here](#) to explore the most recent as well as every meeting for the past three years!
















Leave a Legacy

Leave a Legacy Gift to the Rotarian Foundation of Livermore (RFL)
Did you know you could leave a bequest in your Will or Estate that would continue your support for the RFL to infinity and beyond?
Please consider following in the footsteps of our dear friend
Marty Plone and make the RFL one of your "heirs"!
Contact any RFL Board member for more information.

Club Meeting

Livermore
Meets at Hybrid at different locations
Robert Livermore Community Center 4444 East Avenue
Livermore, CA 94551
Time: Wednesday at 12:00 PM

Club Leaders

	Sheila M. Fagliano President		Marc Roberts President-Elect		Joel C. Swanson Secretary		Norman Bregman Treasurer
	Bob Bishop Sergeant-at-Arms		Alan K Burnham Membership Coordinator Club Director - Second Year		Trex Donovan Sergeant-at-Arms		Lingagoud Memula Rotary Foundation Chair
	Fernando Romero Jr. Club Director Major Events		Sblend A. Sblendorio iPast President		Loretta Kaskey Club Director - Second Year Community Service Chair		Irving F. Stowers International Service Chair
	S. Jeffrey Youngsma Vocational Service Chair		Matthew L. Fuzie Youth Services Co- Chair		Trish K Munro Youth Services Chair		