

# Spur Report 10-25-2023 - Physics with Smartphones

Your Spur reporter: Kathy Coyle

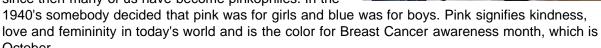
President Sheila opened the meeting at 12:30.

Dianna Geyer led us in the Pledge of Allegiance.

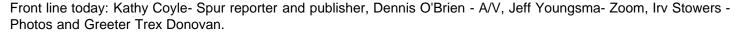
Today's song was by Bob Dylan - "The Times They are A-changing", which was totally appropriate and fun to sing. Thanks to Tim and Stu for choosing this one!



"Think Pink" was Kimbrely 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



love and femininity in today's world and is the color for Breast Cancer awareness month, which is October.





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:)

**Hallovine Party** at Garre was a lot of fun! Here is one photo from the event. There is a little <u>movie</u> of the party on our voutube 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.



PHYSICS WITH PHONES 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: <a href="https://st.llnl.gov">https://st.llnl.gov</a> and choose Physics with Phones.

### Youtube channel

#### **Youtube Channel**

Meetings are videoed and published on our Youtube Channel. <u>Click here</u> 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



<u>Trex Donovan</u> 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