

Rotary

Club of Pasadena, CA



SPOKES NEWSLETTER

DISTRICT 5300 * Rotary Club 794 * May 31, 2024 * #01-0022

www.pasadenarotary.com

THIS WEEK'S PROGRAM

BRANDON RODRIGUEZ

Ship to Shore:

A Conversation from the Pacific Ocean to Pasadena

Introducer: Tammy Silver



Brandon will be on a research vessel docked in British Columbia, Canada. They have been conducting research and helping maintain and observe miles of underwater cable off the coast of British Columbia. The cables monitor things like earthquakes, ocean noise, seafloor tectonics, and so much more. Brandon will also talk about his favorite moments and fascinating things we have seen on other expeditions and interesting things we hope to discover while at sea. We have a lot of videos of fascinating organisms, the technology we use, and how we explore the deep sea.

Brandon Rodriguez is the Educator Professional Development Specialist at NASA's Jet Propulsion Laboratory. With a background in chemistry, Brandon worked as a research scientist for several years, making bio-plastics for the Dow Chemical Company before finding a passion for education. He

shifted his career away from the private sector and into the classroom with 8 years of teaching high school and college chemistry and physics. This led him to a position in the Education Department at JPL in Pasadena, CA. In his role, Brandon gets to live in 'both worlds', performing research in young stellar object formation via IR astronomy and flying on NASA's SOFIA, while also writing curriculum and leading professional development for K-12 educators.

During his years at JPL and alongside his incredible team, he has conducted hundreds of workshops for students and teachers around the country, organized the televised programming for the Perseverance landing in 2021, and published dozens of classroom activities for educators everywhere.

WEDNESDAY – june 5, 2024
UNIVERSITY CLUB - 12:00 pm
175 N. Oakland Ave, Pasadena 91101
RSVP Deadline: 4:00 pm MONDAY

OVERFLOW PARKING: Pasadena Heritage Blinn House
Enter parking off Madison Ave.
Do not park in any reserved parking space

Reception: Jane Waas & Alan Schier aka Badge Master
Lunchtime Pianist: Ann Louise Christensen

Song Leader: PP Phil Miles & Ann Louise Christensen
Inspiration: Alex Oscco
Scoot Zone Reporter: Dean Billman
Photographer: Tammy Silver
Technical: Frank Fish & Scott Carlson & Robert Lyons
Sergeant At Arms: Robert Lyons

Non-members are welcome - \$45.00 includes lunch

ZOOM is back and opens at 12:15 pm

<https://us02web.zoom.us/j/86515101523?pwd=dHhNZnV5c2ZqbzNQbWthbDNhYTladz09>
Meeting ID: 865 1510 1523. - Passcode: 667356

Future Flash

By President Justene Adamec



Many of you have asked if I am happy that the end of my term as President is coming to an end. In short ... yes. You may have guessed that from my occasional countdown to the end. I'm sure that come August, after a break, I'll miss it. Well maybe not until November or maybe in 10 years. I have loved leading you all but getting up at the podium isn't my favorite thing. In fact, when I took over as President 6 months early, I ducked being on stage for almost all of the meetings as we went through the Past President Palapalooza.

I am looking forward to sitting in the back of the class for a while. My assistant at work is going to be happy that she can start scheduling things on Wednesdays.

But I have plans. Big plans. Next year, I am going to invest some time in committees that are near and dear to my heart. I'll be co-chair, along with Angie Pisano, of the Rotary Roamers Committee. PP Cory Brendel and Tammy Silver have done a wonderful job but neither of them want to continue. Cory planned hikes that were easy enough for me and then added on optional loops for the more ambitious hikers. Tammy put together some interesting experiences. A walking tour of Pasadena, led by Marsha Rood. A moonlight hike at Mt. Baldy, which included a barbeque dinner at the Top of the Notch restaurant. Look for more intriguing roaming.

Two other committees I want to devote time to are the Business Alliance Committee and the Paul Harris Fellow Community Award. The first has great co-chairs but not enough committee members. The second has great members but will be lacking a chair, as Catherine Hany finishes putting on the first ever award selection and presentation. I will be recruiting other people to be involved in those programs that are near and dear to my heart.

I'll also be prepping for my next challenge. In 2025-2026, I will be Chief of Staff for District Governor Gilda Moshir.

So I'll still be involved. I'll just get out of being on stage. I'll also get a break from the paparazzi. The Club has enough pictures of me to last a lifetime.

Justene Adamec

626-806-2529

President@pasadenarotary.com

The Scoot Zone

By Past President Mary Lou Byrne, Bureau Chief

Photos by Hans Rosenberger & Tammy Silver



President Justene Adamec rang the bell at 12:30 and **Past President Mary Lou Byrne**, with Music Committee Chair **Don Andruess on guitar**, led us in singing Tambourine Man in honor of our very own tambourine man, **Major Roy Wild**, who is off for a new Salvation Army posting in Seattle after a very successful three years in Pasadena. After the song and the Pledge of Allegiance, Major Roy took the mic to tell us all that we are the very best Rotary Club he's ever experienced, and he is going to miss us all very much. The feeling is mutual, Roy!

Armida Baylon gave the inspiration, about asking questions and learning new things. Very appropriate for today's space-age speaker!



We inducted a very special new member: **President Elect Hillary Schenk** introduced **Amanda Pumilia**, the founding member of our IMPACT Satellite Club, who also happens to be President Justene's daughter. Amanda



has long wanted to be a Rotarian but, as a public school kindergarten teacher, she could never commit to attending Wednesday lunch meetings. The IMPACT Club is her gateway into Rotary – hooray! Amanda told the Club, “I am glad I finally broke out of being a guest every week!”

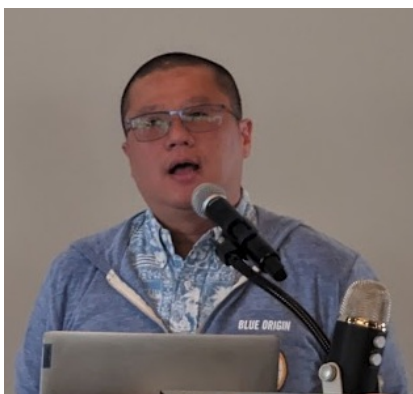
Past President Howard Raff introduced Venice Dunn, a new Corporate Alternate member from Union Station Homeless Services. We are delighted to have her, and she is delighted to be with us! *Photo: Left: Amanda Pumilia Right: Venice Dunn*

Announcements:

Matt Bookman made a Polio Pig contribution and announced that the Pasadena Conservatory of Music is kicking off its summer program, including a super fun 6-week class on The Greatest Classic Rock Albums of All Time! Check out the offerings for you and your family here:

<https://pasadenaconservatory.org/summer-at-the-conservatory-2024/>

PEE Hillary Schenk invited everyone who has not already failed to attend the "Please Don't Attend" Pasadena Rotary fundraiser to do so as soon as possible! Details below!



President Justene introduced our speaker, Boon Lim of JPL's Blue Origin Lunar Architecture Program, who was speaking on The Small Satellite Revolution: The Future Came in Small Packages. Dr. Lim started off by sharing the mind-blowing fact that there are currently 7,700 satellites in orbit around the earth, and there are expected to be 10,000 by next year. He called this a “shocking proliferation” and an “accelerated growth curve” of satellite activity and noted that we are about to have tens of thousands of satellites in orbit. Then he posed the question: Why?

In 1999, the CubeSat satellite became standard: It's 10 x 10 x 10 centimeters – smaller than our Rotary bell. Having such a small satellite makes it a lot cheaper and more efficient to go to space and also distributes the risk of failure. Instead of having one \$100 million satellite, you can launch 100 \$1 million satellites. If two of them fail, you still have \$98 million of your investment safe, instead of losing all of it. Moreover, these small satellites are so inexpensive to produce that even high schools can develop them for a cost of just \$20,000 to \$30,000.

Dr. Lim shared various programs that are providing opportunities for various people and organizations to design and launch satellites. The University Nanosatellite Program (UNP) is a defense competition for university students and programs in satellite design, and the winning designs are built and launched. It has been through eleven cycles since 1999. The NASA CSLI/ELaNa or CubeSat Launch Initiative was started in 2010 and has launched 15 satellites from all over the U.S.

Dr. Lim showed us drawings and diagrams demonstrating that satellites have gone from being as big as a building to being as small as a briefcase or a mini-fridge. However, he said, the tradeoff is the smaller satellites have less capability. It turns out, though, that the trade-off is largely worth it. He compared the larger satellites to a Michelin-star restaurant and the smallest ones to McDonald's, and noted that the mid-range satellites (“Chipotle or Olive Garden”) have largely won the day. The most common satellite is the Starlink, which is about three times as tall as a person.

Dr. Lim then shared his experience as a CSLI recipient: his satellite, alas, blew up on the launch pad in 2014. However, in 2019 his team successfully launched one and launched another one just recently. The development cycle is quite rapid: Only three to four years.

Next, he shared some facts on the commercialization of space: NASA has started taking bets on companies other than Lockheed, McDonnell Douglas, and the other legacy space contractors.

Dr. Lim noted that those companies, accustomed to having billions of dollars at their disposal from NASA, have some "bad habits." NSAS has turned to smaller companies such as Orbital Sciences and SpaceX. SpaceX has successfully launched 297 times and now they are looking at sending commercial crews to space. These companies, said Dr. Lim, have shown how they can execute without costing a billion dollars.

These days we have a launch of a satellite every few days. Looking to the future, the takeaways are: 1) We are living in the middle of a space renaissance; 2) the cost for access to space has dropped dramatically, and 3) the commercialization of space is accelerating. We are in a new space race to get back to the moon, and Blue Origin has been selected as the Lunar Lander provider and three newish companies are in competition for the Lunar Terrain Vehicle.

After a very lively Q and A session, Dr. Lim was presented with his speaker gift and we all left, buzzing about the exciting developments in space!



L2R: Cyril Vergis, Roy Wild, Amanda Pumilia, President Justene, Heather Lim, Boon Lim, PE-E Hillary Schenk



Last in the buffet line are our dedicated Reception Committee - Alan Schier & Jane Waas with Gary Kearney.

DEADLINE TO RSVP:
MONDAY 4:00 pm
office@pasadenarotary.com

**CLICK HERE TO
RSVP TODAY**

BUFFET MEAL PROVIDED BY
Chef Tony, The University Club

Shredded Lettuce with Cobb Toppings
Baked Pasta Bolognese with Beef Ragu
Italian Meatballs Marinara
Pasta Primavera with Spinach and Sundried Tomatoes (v)
Roasted Broccolini and Summer Squash (v)
Fresh Dinner Rolls with Butter

Tiramisu with Marscapone Cream

Indicate if you'll be dining as
Vegetarian only

ROTARY VOLUNTEER OPPORTUNITIES & EVENTS

A MESSAGE FROM YOUR FUNDRAISING CHAIR: President Elect Elect HILLARY SCHENK *Please Don't Attend Event*



Dear Rotarian do gooders!

While the May 15th deadline has come and gone there's still plenty of time to NOT JOIN me at the event. Funny thing about not going - is you can not go at any time!

Please consider joining me in a donation to support the good work we do in the community. You can make your donation to the Pasadena Rotary Foundation as a charitable contribution. You can send a check or have you account billed.

NO raffle ticket: \$50

NO tuxedo rental or dry cleaning: \$100

NO new dress: \$150

NO silent auction: \$250

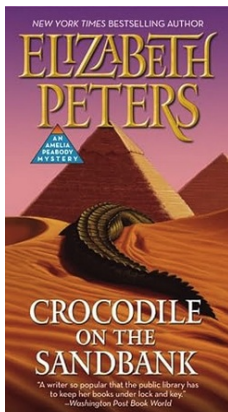
NO live auction \$500

And as always - thank you for all you do to make our Rotary Club so fantastic.

Request a copy of the invitation or to have your account billed:

office@pasadenarotary.com

**Mail a Check: Pasadena Rotary Club Foundation, 556 S. Fair Oaks Ave.
Ste.101 #379, Pasadena, CA 91105**



ROTARY READERS

Rotary Readers will meet June 3rd at 6 pm. Cory Brendel will review Crocodile on the Sandbank by Elizabeth Peters.

Please come with something to share for dinner. We eat from 6 to 6:30 pm when we start the discussion.

Please RSVP to Phil Miles at philip.miles15@gmail.com

PASADENA ROTARY IMPACT CLUB

HAPPY HOUR + MIXER

THURSDAY, JUNE 6
6:00 - 7:30 PM

WILD PARROT
BREWING COMPANY

2302 E Colorado Blvd,
Pasadena, CA 91107



**Regular members are welcome to the Happy Hour & Mixer
if they bring a potential Impact Club member.**



IT'S TIME FOR PRESIDENT JUSTENE'S DEMOTION!!

Wednesday, June 26

6:00 p.m. at the University Club

Join us for cocktails, dinner, and a great show as
the Mighty Rotary Players send off Pasadena Rota-
ry's longest-serving President in grand Pasadena
Rotary style! Details to follow but you know you
want to be there, so RSVP now to
office@pasadenarotary.com!

POLIO PIG & COMMITTEE ANNOUNCEMENTS AT WEDNESDAY MEETING

ALL ANNOUNCEMENTS MUST BE PRE-APPROVED!

Wish to "Show & Tell" us what you are up to or make an announcement (30 seconds) about
your family, business or a favorite nonprofit or a Committee announcement? Email Wendy
at office@pasadenarotary.com by Tues at noon. Minimum donation for Polio Pig

Announcement: \$20 or for \$30+ which is billed to your account. Additional \$20 If you wish to leave flyers (in a stack on the table not individual) or a hand-out at end of meeting.

HAPPY BIRTHDAY!!

Hank Maarse	May 31st
Gene Buchanan	June 3rd

ROTAVERSARY

Mark Batatian	6/1/76	48 Years
Matt Bookman	6/1/22	2 Years
John Foulkes	6/1/94	30 Years
Melissa Froehlich	6/1/22	2 Years
John Gordon	6/1/85	39 Years
Tamia Hope	6/1/91	33 Years
Stephen McCurry	6/1/22	2 Years
Julia Shih	6/1/96	28 Years
Hans Rosenberger	6/5/09	15 Years
Stephen Smith	6/5/13	11 Years

UPCOMING PROGRAMS

June 12th - Paul Harris Fellow Community Award
June 19th - President Justene's Last Meeting
June 26th - DARK-No Meeting - DEMOTION PARTY TONIGHT!
July 3rd - President Stephen Smith's First Meeting

**SPOKES is the weekly newsletter published by the
Rotary Club of Pasadena**

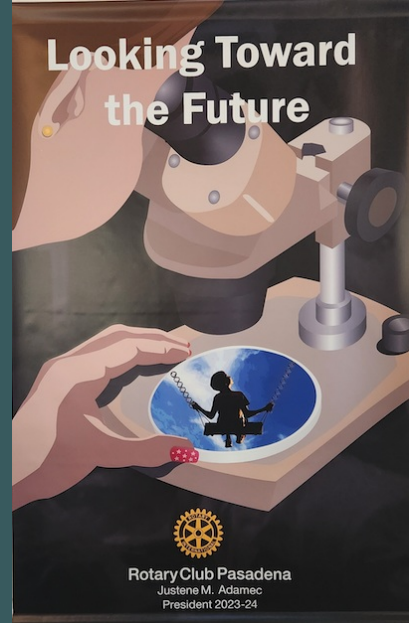
**Weekly Live Wednesday Meeting by RSVP
University Club Pasadena, 175 N. Oakland Ave.**

**Spokes Chair/Publisher/Editor: Wendy Anderson
Bureau Chief: Mary Lou Byrne**

Scoot Zone Reporters: Mary Lou Byrne & Dean Billman

**Photographers: Jonathan Edwards, Hans Rosenberger,
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Claudia Ponce de Leon, Desiree Alvarado, Mike Bernard,
Dede Venkat & Gui Bittencourt.**

Proofers: Mary Wilson & Kathy Meagher



**ROTARY CLUB OF PASADENA 2023-2024 BOARD OF DIRECTORS
MEETS the 3rd Thursday of every month at 5pm - University Club of Pasadena**

**PRESIDENT: Justene Adamec
PRESIDENT ELECT: Stephen Smith
IMMEDIATE PAST PRESIDENT: Mary Lou Byrne
SECRETARY: Michele Ferroni
TREASURER: Tony Phillips
PRESIDENT ELECT-ELECT: Hillary Schenk
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J.P. Harris, Debi Kroman, Wende Lee, Robert Lyons, Tammy Silver, Cyril Vergis,
Mark Waterson.**

Rotary Club of Pasadena

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