

WEST VALLEY STEM CLUB

October 2022 NEWSLETTER

www.engineersaz.com

The Engineers Club is a social organization which meets monthly for lunch with a speaker on a topic of interest. Spouses and guests are invited and many attend regularly. Short field trips are occasionally scheduled. Membership is open to anyone who has worked in or has an interest in Engineering, Science or Technology. Meetings are held at 11:30am on the first Friday of each month (unless otherwise noted), October through June, at Briarwood Country Club, 135th and Meeker in Sun City West, AZ. Guests are always welcome. Contact Phil Main: maintwin3@gmail.com, 623-826-0101 (cell).

OCTOBER 7 PROGRAM

The Science Behind Alien Encounters: UFOs Are Real

Dr. Robert E. Farrell



Dr. Robert E. Farrell received his Bachelor of Science in mechanical engineering from The Ohio State University, his MBA from Western New England College, and his Doctor of Engineering from the University of Massachusetts. He is now retired from Penn State University as Associate Professor Emeritus.

For nearly twenty years, Dr. Farrell has lectured and written extensively on the subject of encounters people have had with extraterrestrial intelligence. Using science available to most people, he has explained how UFOs do the amazing things claimed by credible witnesses. His research into the mysterious bodies found near Nazca, Peru has led him to believe that the two species found there may have extraterrestrial origins. The history of UFO sightings has led to his research into the cause and location of the great Sumerian flood depicted as Noah's Flood. Because of the many problems with the Big Bang Theory, Dr. Farrell has explored an alternative theory which uses the same data as the Big Bang Theory but without violating known laws of physics and without requiring "Dark Energy".

Abstract: On Tuesday, September 17th, 2019, the U.S. Navy acknowledged, for the first time, that for years Navy pilots have been filming objects which they cannot identify and which have flight performance characteristics well beyond anything our government possess. Our generation is not the first to experience encounters that defy earthly explanation and is evidenced even in ancient beliefs. Dr. Farrell will review the history showing that we are being visited. Well-known and respected rocket scientists such as Werner von Braun and Hermann Oberth have stated a belief that UFOs are not of this earth and are able to manipulate or create gravitational fields as a means of propulsion. How do UFOs accelerate at one hundred g's and make right angle turns without harming the occupants? How do they change colors, and "cloak" themselves? Is it even possible to create gravitational field propulsion? What research is being done in this area? This lecture will explain what credible UFO witnesses have described, is not magic and can be explained in a nuts-and-bolts fashion.

PRESIDENT'S MESSAGE

Jim Schlenvogt

Hello again! I hope you had a terrific summer. Your Board is looking forward to an interesting year of meetings, speakers and other activities. Please feel free to make meeting reservations for you and a guest or two.

Following are some of the future luncheon meeting topics for which the Club has written commitments from the speakers:

- The Science behind Alien Encounters
- Water Supply from the Colorado River System
- The Future of Nuclear Power Generation
- Everything You Need to Know about EVs (Electrical Vehicles)
- The Engineering of the Lake Pleasant Dam

Other topics the Club is exploring include the following:

- ASU Space Exploration Projects, (Including a potential Fall, 2022 Field Trip to ASU)
- The City of Surprise – SciTech Festival on December 10, 2022 at the City Center Park
- Medical research from Banner or TGEN
- The Arizona TSMC – (Taiwan Semiconductor) Project
- Other Topics – (Please feel free to contact Peter Rau- en or a Board Member with the name of a potential STEM speaker, contact information, and the proposed topic).

We have been in contact with Aliyah Mitchell, the 2022 Scholarship winner, and she is anxious to start her junior year enrolled at ASU. The Club is awarding her a \$3,000 scholarship. Aliyah and the Board want to thank you for your continued support of the Scholarship Program.

In November, the Nominating Committee will be taking nominations for the 2023 calendar year Club's Officers. Please notify me or Steve Sumner if you have a person to be considered. The slate of officers will be presented to the Club at the December meeting for a vote.

In closing, I hope you have a safe and healthy Fall, and we look forward to seeing you again at the next meeting. Thank you again for your support of the Club!

WEST VALLEY STEM October 2022

2022 OFFICERS

President	Jim Schlenvogt
Vice President	George Zieglgansberger
Secretary	Marilyn Dumond
Treasurer	Carol Mungas
Asst. Treas.	Dave Campbell

COMMITTEE CHAIRPERSONS

Programs	Peter Rauen/Jim Schlenvogt
Membership	Philip Main
Reservations	Philip Main
Luncheons	Jim Schlenvogt
Scholarship	Jim Schlenvogt
Member at Large	Hal Lind
Newsletter / Website	Dave and Karen Campbell
Event Audio	Hal Lind/Doug Totel
Event Computer	Paul Scherer
Publicity	Lance Berglund
Field Trips	George Zieglgansberger
Past President	Steve Sumner

Email the Board at: board@engineersaz.com

FIELD TRIPS

Between February 23 and June 1, 2022, the West Valley STEM Club supported four field trips to the City of Surprise Wastewater/ Water Treatment/ & Water Injection Wells Facilities at the southeast corner of Cactus & Litchfield Road in Surprise, AZ. The Club presented a Certificate of Appreciation to Lee Lambert, Director of Water Resource Management, and our Tour Guide.



TREASURER'S REPORT SEPTEMBER 2022

General Fund Balance: **\$6,369.19**
Membership Total: **51**

You Can Help Recruit New Members

- Hand out business cards to friends and family
- Leave business cards at local businesses that have a display area for them

If you need business cards, pick them up at the luncheon or contact Jim Schlenvogt at js3820@msn.com



JUNE 3 PROGRAM

Solar Thermal Biosolids Dryer, Efficiencies, and Five Year CIP Plans
Lee Lambert, City of Surprise Water Resource Management
Ric Treager, Brown and Caldwell

2022 WV STEM MEETING DATES

October 7, November 4, December 2

2022 MEMBERSHIP DUES

Dues for 2022 are \$25.00 of which half goes to the Scholarship Fund. **Please consider making an additional donation to the Scholarship Fund** (put scholarship in the memo line). Please mail your check(s), made out to West Valley STEM to: Philip Main, 17604 N Buntline Drive, Sun City West, AZ 85375-5148, maintwin3@gmail.com, 623-748-8222 (Home), 623-826-0101 (Cell)