



The WV STEM Club is a social organization which meets monthly for lunch with a speaker on a topic of interest. 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 Grandview Terrace, in the fourth-floor ballroom, at 14515 W. Granite Valley Drive, Sun City West, AZ. **Guests and visitors are always welcome.** Contact Phil Main: maintwin3@gmail.com, 623-826-0101 (cell).

APRIL 5 PROGRAM

Quantum Computing

Professor Christian Arenz
School of Electrical, Computer and
Energy Engineering, ASU



Professor Arenz joined Arizona State University as an assistant professor in the School of Electrical, Computer and Energy Engineering in January 2022. Prior to joining ASU he was a lecturer and an associate research scholar at Princeton University. Previously, he completed his PhD in applied mathematics at Aberystwyth University in 2016, where he focused

on the control of open and noisy quantum systems.

Abstract: Professor Arenz will discuss the history of quantum computing and how it differs fundamentally from the standard or digital computer. He will discuss how quantum computing offers the possibility of solving problems that can't reasonably be solved by a standard computer and its application to current research areas such as artificial intelligence."

WADDELL DAM FIELD TRIP

On March 6, 2024 eighteen people joined the club for a trip to the Waddell Dam and Lake Pleasant's west Visitor's Center.



PRESIDENT'S MESSAGE

Jim Schlenvogt

Hello everyone! We had great attendance at the March 1st meeting to hear "Gonzo" provide an excellent overview of the F35 program at Luke Air Base. Thank you to everyone for your attendance and support.

The Club was excited to receive Congresswoman Debbie Lesko's Certificate of Special Congressional Recognition. This is a reflection of the Club's support of STEM scholarships and providing interesting STEM programs to the West Valley.

I hope the eighteen people who participated in the March 6, 2024 Field Trip to the Waddell Dam and Lake Pleasant's west Visitor's Center enjoyed the morning. Thanks to George Zieglsberger for arranging another interesting Club Field Trip.

SAVE THE DATE: The Club is planning a "Bonus" Spring Picnic Social Event to start the celebration of the Club's 50th Anniversary on **Monday, April 15, 2024, (10:00 am to 2:00 pm)** at the Beardsley Park in Sun City West. More information to follow in future emails.

The Club's Scholarship Committee is busy collecting scholarship applications, evaluating the applications and interviewing the students. The winning scholarship students will be announced at the April 5th meeting. In either April or May, we will invite the winning student(s) to the Club's meeting.

Following are some of the Club's future luncheon meeting topics, which the Club has scheduled:

- Quantum Computing
- TGen's Pancreatic Cancer Research
- Design, Development and Testing of Innovative Materials for Urban Cooling
- Using Satellites to Track Groundwater to Help Make Sustainable Decisions

We look forward to seeing you at the next meeting. Bring a guest! Safe Travels and Good Health!

WEST VALLEY STEM April 2024

2024 OFFICERS

President	Jim Schlenvogt
Vice President	George Zieglgansberger
Secretary	Darrell Armbruster
Treasurer	Carol Mungas
Asst. Treas.	Dave Campbell

COMMITTEE CHAIRPERSONS

Programs	Peter Rauen/Rick Cecil
Membership	Philip Main
Reservations	Philip Main
Luncheons	Jim Schlenvogt
Scholarship	Jim Schlenvogt
Member at Large	Don Zoss/ Betty Goldberg
Newsletter	Dave and Karen Campbell
Website	Gary Graunke
Event Audio	Doug Totel
Event Computer	Paul Scherer
Publicity	Lance Berglund
Field Trips	George Zieglgansberger
Past President	Steve Sumner

Email the Board at: js3820@msn.com

Reserve Unit. After finishing his bachelor's degree, Dr. Cridebring attended Baylor College of Medicine in Houston, TX, obtaining his Ph.D. -Neuroscience and Biochemistry, for his work on the neurodegenerative disease (ALS). Also, during his time in graduate school, his reserve unit was called to duty and he served a year in Iraq as a Preventive Medicine Specialist during Operation Iraqi Freedom.

2024 MEETING DATES

April 5th, April 15th (PICNIC), May 3rd, June 7th, October 4th, November 1st, and December 6th.

MARCH 1 PROGRAM

F35 Aircraft Training Program

Eric N. Ringelstetter, Lt Col, USAF
Commander, 56th Training Squadron
Luke Air Force Base



TREASURER'S REPORT MARCH 2024

Gross General Fund Balance	\$11,370
Net Fund Balance (after payment of obligations)	\$10,863
Membership	102

The March 50/50 winner was Joe Ellis. His share was \$113.
Thank You for Your Support!

MAY 3 PROGRAM

"Translational Research - Getting the best pancreatic cancer research to patients as rapidly as possible."

Derek Cridebring, Ph.D.

Director of the Molecular Medicine Division
TGen



Derek Cridebring, Ph.D. is currently Director of the Molecular Medicine Division at the Translational Genomics Research Institute (TGen) in Phoenix, Arizona. He was born and raised in Phoenix and earned his B.S. in Biochemistry at the University of Arizona in Tucson. During his time at the U of AZ he joined the Army Reserves and earned the distinction of Soldier of the Year of the 7220th

APRIL 15 PICNIC

In addition to the normal April 5, 2024 Club meeting, we invite everyone to our 2024 Social Event & the Club's 50th Anniversary Celebration: Date: April 15, 2024 – (10:00 am- 2:00 pm) at Sun City West Beardsley Park., 12755 W. Beardsley Rd, SCW: Food options from Betty's Rooste,(Box Lunch options), #1 Ham Baguette or #2 Turkey Club Croissant, or #3 Vegetarian Focaccia all selections include chips, salad dressings and all sauces are on the side, packaged cookie, and bottled water. Or #4 People will have the option to bring their own food and beverage. Event pricing was approved at \$15 for box lunch reservations and then a donation box will be at the picnic for those who want to attend the Sun City West Railroad Club's demonstration. The deadline for reservations will be March 29, 2024. In March, Phil Main will email out RSVP reservations