

# VALLEY ENGINEERING, SCIENCE & TECHNOLOGY CLUB

December 2019 NEWSLETTER [www.engineersaz.com](http://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

## DECEMBER 6 PROGRAM

### Title: Energizing the Southwest

Speaker: Kory Raftery, Palo Verde Nuclear Station, APS



Kory Raftery is an experienced external affairs leader with a demonstrated history of working in government, broadcasting and the utilities industry. Raftery is skilled in strategy setting, brand management, reputation building, authenticity, crisis management, crisis communications, media studies, journalism, advocacy and corporate communications.

Raftery demonstrates strong business development skills and the innate ability to seamlessly connect people and innovative concepts. He may have learned these things in one of the many college environments where he studied before earning a degree at the University of Nevada, Las Vegas or by the way of informal education that was his large family of Irish, Italian and Lebanese descent.

Kory has lived on both coasts and a few spots in between and moonlights as a part-time back seat DJ and full-time dad joke teller and appreciator. Above all else, Raftery is a firm believer that wrinkles only go where the smiles have been.

#### Abstract

Do you know what provides more than \$2 Billion a year in economic impact? More than half of the state of Arizona's carbon-free reliable energy? And lights up more than 4 million homes and businesses across the Southwest? The answer lives in your backyard. On December 6, find out why Palo Verde is integral to the fabric of Arizona and our sustainable future

Mr. Kory Raftery, will discuss the basic operation of a nuclear power plant and the future of nuclear energy in the Southwest. The Palo Verde Nuclear Generating Station has been the largest energy plant in the U.S. since 1992. The 4,000 acre plant has three combustion engineering pressurized water reactors and can produce up to 4000 mW of electricity. It supplies about 35% of the electricity generated in Arizona.

## FROM PRESIDENT STEVE SUMNER

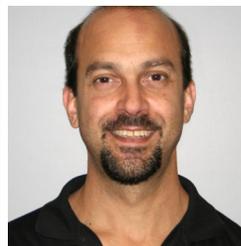
Happy Holiday Season! Today we are holding elections for the 2020 Season of the Valley Engineering, Science and Technology Club. I am willing to run for President and Carol Mungas, the current Treasurer, is willing to run for the Treasurer position for the upcoming year. If there are any additional people who would like to run for these positions, please nominate them when additional nominees are requested. A candidate has stepped forward for the position of Secretary. Her name is Marilyn Dumond and I do appreciate her stepping forward. Again, if anyone else would like to run for the Secretary position, please nominate them at the time additional nominees are requested. In addition, we are still looking for an individual who is willing to be nominated for the position of Vice President. As I have stated previously, the continuing existence of our club is dependent upon new individuals stepping up to leadership roles on the VEST Board.

On the table at which you are sitting, you will notice some holiday envelopes. Several members have asked how they could contribute additional funds to our Scholarship Fund. The envelopes on the table are for that purpose. If you wish to contribute, you can either remain anonymous or by writing your name on the envelope we will be able to acknowledge your contribution. Envelopes may be given to Carol Mungas, the Treasurer, or Jim Schlenvogt, the Chairman of the Scholarship Committee. In addition for collection of the donation envelopes, there is a VEST Scholarship donation basket at the front Membership table. Your support of the VEST Scholarship Fund is greatly appreciated. Have a happy and safe holiday season. We will see you next year.

## JANUARY 3 PROGRAM

### Title: First Ever Photo of Black Hole

Speaker: Phil Mausekopf, PhD, ASU



Phil Mausekopf is a Professor at ASU in the School of Earth and Space Exploration and the Department of Physics. His work centers on designing telescopes and detector systems for long wavelength astronomy and cosmology. He first came to Antarctica in 1998 to launch the BOOMERANG telescope on a long duration balloon. BOOMERANG was a US/Italy/UK collaboration and made international headlines with the release of the first high fidelity map of

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## 2019 OFFICERS

President	Steve Sumner
Vice President	Open
Secretary	Doris Palmer
Treasurer	Carol Mungas
Asst. Treas.	Dave Campbell

## COMMITTEE CHAIRPERSONS

Programs	Rick Cecil
Membership	Philip Main
<b>Reservations</b>	Chuck Wasik
Luncheons	Jackie Wasik
Scholarship	Jim Schlenvogt
Member at Large	Peter Rauen
Member at Large	David&Susan Whitehouse
Newsletter / Website	Dave Campbell
Event Audio	Hal Lind
Event Computer	Paul Scherer
Publicity	Lance Berglund
Field Trips	Eric Muhly
Hospitality	Doris Palmer

Email the Board at: [board@engineersaz.com](mailto:board@engineersaz.com)

## TREASURER'S REPORT NOV 2019

General Fund Balance:	\$ 11,025.48
Scholarship Fund:	\$ -557.00
Membership Total:	143

**November 50/50 was \$ 51.00 - Congratulations to winner Jack McNicholes !**  
**2020 Membership dues are now due.**

## LUNCHEON MENUS

**December 6: #1 Stuffed Boneless Pork Loin** stuffed with savory Apple Sage Stuffing & drizzled with herb Demi House Mashed Potatoes and Parmesan Broccoli **or #2 Pan Seared Salmon** with lemon dill cream sauce, Savory rice pilaf, Chef's choice of vegetables. Both entrées include Spumoni Ice Cream. *(Grilled Vegetable Plate or Fruit Plate also available)*

**January 3: #1 Beef Stroganoff**, Tenderloin Tips in Red Wine Demi, Finished with Sour Cream over Egg Noodles **or #2 Poached Chilled Shrimp Remoulade Salad** with mixed greens. Both entrées include a Chocolate Glazed Brownie with Whipped Cream *(Grilled Vegetable Plate or Fruit Plate also available)*



*(Black Hole continued from page 1)*

the cosmic microwave background and gave the first precise measurement of the curvature of the universe. Since then, Prof. Mauskopf has been involved with 4 other Antarctic balloon launches, a second BOOMERANG launch in 2003 and three BLAST launches. All of these experiments have produced significant science results.

Abstract: They said they had "seen the unseeable," and when astronomers unveiled the first-ever pictures of a black hole deep in space, the audience erupted in applause. A team of scientists worked together to film the first ever picture of a black hole. We'll discuss the details to explain what exactly what we're looking at.

## 2020 VEST LUNCHEON DATES

**January 3, February 7, March 6, April 3, May 1, June 5, October 2, November 6, December 4**

## FUTURE MEETINGS

February 7

Title: The Future of Energy is Bright

Speaker: Kerri Carnes APS

## RESERVATION POLICY

**The cost of the monthly luncheon is \$24.00 cash or check.** The reservation deadline is 6 PM Monday before the meeting.

**Late reservations cannot be guaranteed the regular meal.** Call Chuck Wasik at 623-537-9196 to cancel your reservation.

Note that the full cost of the luncheon will be charged for "no-shows" and cancellations after 5 PM on Monday before the meeting.

Please have cash or make out your check in advance



Water: Past, Present and Future

November 1 Speaker: Hal Lind

For more information on our speakers, please visit our website at [www.engineersaz.com](http://www.engineersaz.com)