

VALLEY ENGINEERING, SCIENCE & TECHNOLOGY CLUB

November 2017 NEWSLETTER www.engineersaz.com

The Engineers Club is a social organization which meets regularly for lunch with a speaker on a technical topic. Spouses are invited and many attend regularly. Short field trips are occasionally scheduled. Membership is open to anyone who has worked in or related to the engineering or scientific fields. 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
Visitors are always welcome -- just call Reservations at (623)546-9112 to let us know you are coming.

November 3 PROGRAM

The Science Behind Noah's Flood

Dr. Robert Ferrell



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

Associate Professor Emeritus.

Nearly thirty years ago, he began doing serious research for his science fiction series of novels; Alien Log; Alien Log II: The New World Order; and Alien Log III: The Dulce Affair. He believes good science fiction is based on good science. In addition to science fiction, Dr. Farrell has a growing list of non-fiction books which include The Science Behind Alien Encounters; The Science Behind Noah's Flood; and The Science Behind Creation of OUR universe WITHOUT a Big Bang (Spring 2018). His research has led him to believe that beyond Earth there is life which is technically more advanced with highly sophisticated craft capable of high-g maneuvers and accelerations beyond 100 g's. Dr. Farrell and many other scientists have concluded this is only possible if gravitational field propulsion is used.

In 2012, all of Dr. Farrell's books made "Best Sellers List" on Amazon. He has lectured many times at universities, science centers, MUFON meetings, book stores, clubs, and senior centers around the country, and has appeared on numerous TV and radio shows including Coast-To-Coast AM with George Noory in 2006 and 2012. His present list of available lectures includes: The Science Behind Alien Encounters; The Science Behind Noah's Flood; The Science Behind Creation of OUR Universe WITHOUT a Big Bang; and The Science Behind Gravitational Field Propulsion: Key to Interstellar Travel.

Have you ever wondered if the story of Noah in the Bible is true? The evidence is overwhelming that it is true. It was Sir Leonard Wooley's discovery that removed any doubt there was a major Deluge as described in the Old Testament. Ancient stories such as the Sumeri

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an Epic of Gilgamesh and Atra-hasis, the Babylonian epic that predate the Old Testament, will be discussed. Several scientific investigations into Noah's flood which include, Noah's Flood theory by Dr.'s Pitman and Ryan, Dr. Bruce Masse's Impact Theory, and the late Zecharia Sitchin's melting glacier theory. An extrapolation of Sitchin's theory will be presented arguing that the deluge event recorded by the Babylonians and Sumerians occurred in Mesopotamia about 14,800 years ago and was a result of the Post Glacial Sea Rise. The recent discovery of the world's oldest monolithic ruins, Gobekli Tepe, in southern Turkey, tie this theory to the story of Noah and his ancestor, Abraham.

From the President - Tod Hamilton

The end of the year is fast approaching. It is time for the VEST club to nominate and soon elect the board members for 2018. Everyone on the board of directors is a volunteer and helps to support our organization. We always need your help. If you enjoy the meetings, we would like you to help us any way you can. As is in life, one way relationships do not work.

Tod

December 1 PROGRAM

Shooting the Moving Target in Cancer Combat

Dr Li Liu, ASU



Dr. Liu, M.D., M.Sc, is an assistant professor of Biomedical Informatics and the director of the Bioinformatics Core Lab, Biodesign Institute at Arizona State University. She also holds an adjunct assistant professorship at Mayo Clinic School of Medicine. With a special emphasis on molecular evolution, Dr. Liu develops novel computational methods to study the genetic basis of human diseases. She has

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2017 OFFICERS

President	Tod Hamilton	623-910-2042
Vice President	Leif Christensen	480-718-5589
Secretary	Doris Palmer	623-815-8143
Treasurer-Acting	Dave Campbell	623-518-4871
Asst. Treas.	Don Block	623-546-0557

COMMITTEE CHAIRPERSONS

Programs	Rick Cecil	360-402-1695
Membership	Philip Main	623-748-8222
Reservations	Dave Whitehouse	623-544-0942
Luncheons	Susan Whitehouse	623-544-0942
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Field Trips	Lanny Barnes	623-546-3364
Hospitality	Doris Palmer	623-815-8143
Past President	Jackie Rice	623-572-8089

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published more than 40 peer-reviewed papers in prestigious journals including *Cell* and *Nature*. With her clinical collaborators around the world, Dr. Liu translates these scientific discoveries into clinically actionable items to improve patient care.

Cancer, as an evolutionary process, is born with a heterogeneous and dynamic nature. Precision identification and intervention of cancer shall consider the past, present and future of each tumor. With NextGen sequencing technologies, we can now catch a glimpse of this evolutionary process. However, is it possible to use these static snapshots to help hit the moving target? How close or how far are we to apply it in clinical practice? In this interactive workshop, we will introduce the basic concepts of molecular evolution and cancer sub-clones, examine the relationship of host, tumor and intervention as key players in an ecological system, and discuss the promises and challenges of cancer evolution in precision oncology.

TREASURER'S REPORT October 2017

General Fund Balance:	\$5822.47
Scholarship Fund:	\$2031.42
Membership Total:	144

FUTURE MEETINGS

January 5, 2018

Title: Exploring Ocean Worlds
Speaker: Alyssa Rhoden, PhD
ASU, Earth and Space Exploration

LUNCHEON MENUS

November 3: #1 Roasted Breast of Tom Turkey or #2 Grilled Salmon. Both entrées come with Salad, Creamy Mashed Potatoes w/Gravy, Chef's Vegetable, Vanilla Ice Cream and a Cookie. (*Grilled Vegetable Plate or Fruit Plate also available*).

December 1: #1 Beef Sirloin Kabob or #2 Pan Fried Trout Almandine. Both entrées come with Salad, Rice Pilaf, Chef's Vegetable, Peppermint Ice Cream and a Cookie. (*Grilled Vegetable Plate or Fruit Plate also available*).

RESERVATION POLICY

The cost of the monthly luncheon is \$20 cash or check. The reservation deadline is 6 PM Monday before the meeting.

Late reservations cannot be guaranteed the regular meal. Call Dave Whitehouse to cancel your reservation.

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

Please have cash or make out your check in advance.

RESERVATIONS Dave Whitehouse (623) 544-0942



Progress and Hope through Parkinson Disease Research (October, 2017)

Dr. David Shprecher (center)

For more information on our speakers, please visit our website at www.e2ngineersaz.com