

VALLEY ENGINEERING, SCIENCE & TECHNOLOGY CLUB

April 2018 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.

APRIL 6 PROGRAM

Unmanned Aircraft systems (UAS) & Public Safety

Ian Dunbar, UAS Program Manager, Lead Instructor & Chief Pilot for Arizona Fire & Medical Authority



Ian Dunbar is a USAF Veteran and a Fire Captain/Paramedic with 19 years of Service. He is also an Incident Safety Officer, Private Pilot, Single Engine Airplane Rating Instrument Rated Helicopter Pilot and Commercial Drone Pilot.

Abstract: First responders often face complex emergencies and the use of

modern technology is critical in the collection of pertinent information to assist and provide incident commanders with the relevant information necessary to make critical decisions, in real time. Drones can deliver high definition live video transmissions to incident commanders with the advantage of comparing what they are seeing on the terrestrial level with the information provided from an aerial platform. The addition of Thermal Imaging Camera technology can greatly improve critical decision making.

The use of drones is having an outstanding impact in search and rescue. Drones can be deployed quickly and can search large expanses of terrain that would be difficult to search effectively from ground level. Drones can deliver life jackets to drowning victims, AED's to heart attack victims in isolated areas, and other critical equipment when time is of the essence.

Training for the use of drones in public safety is a thorough and extensive process necessary in maintaining safety within the National Airspace System for both manned and unmanned aviation. The use of UAS in public safety will provide first responders with information and enable them to keep themselves and others safe while mitigating potentially deadly incidents.

MAY 4 PROGRAM

Central Arizona Project. Your Water. Your Future

Jennifer Brown, Central Arizona Project CAWCD Board of Directors, representing Maricopa County



Jennifer Brown was elected to a six-year term on the CAWCD Board of Directors, representing Maricopa County, on November 3, 2016. She is a self-employed property manager. Jennifer graduated with a bachelor's degree from the Walter Cronkite School of Journalism and Mass Communication at Arizona State University in 2005. She was the managing editor for View Magazine, author of two editorial blogs and a copy editor for novelists.

Jennifer is very active in the community. She serves as a board member for the John Volken Academy (a long-term addiction recovery center), a volunteer for the Cowgirls Historical Foundation, and an ambassador for Lift the Children. She volunteers for Dignity Health Foundation East Valley and in various leadership capacities at her church, including youth counselor. For over a decade she has served in the Boy

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MEAL COST INCREASING

Due to increased food costs to the Club the Board has decided to raise the luncheon meal for 2018 to \$22.00 starting with the January 5, 2018 meal.

Listed below are the 2018 dates of the VEST luncheon meetings:

**April 6, May 4, June 1, October 5,
November 2, and December 7**

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2018 OFFICERS

President	Tod Hamilton	623-910-2042
Vice President	Open	
Secretary	Doris Palmer	623-815-8143
Treasurer	Carol Mungas	763-639-3922
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
Scholarship	Ralph Palmer	623-815-8143
Member at Large	Les Sherry	623-975-9081
Newsletter	Dave Campbell	623-518-4871
Event Audio	Hal Lind	623-546-6385
Event Computer	Richard Sarut	480-300-7251
Website	Dave Campbell	623-518-4871
Publicity	Lance Berglund	623-734-3737
Field Trips	Open	
Hospitality	Doris Palmer	623-815-8143
Past President	Jackie Rice	623-572-8089

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Scouts of America in such roles as Pack Committee Chair, Eagle Scout Specialist and Cub Scout den leader. She was trained at the Phoenix Art Museum and continues as a volunteer art teacher for local elementary schools. Jennifer is a native Arizonan. She enjoys reading, organizing and travel. She and her husband, Carson, have three boys and twin girls. They live in Gilbert, Arizona.

Abstract: In the early 20th century, Arizona's leaders knew the state's future depended on a water supply that was secure. Stable. Renewable. They pursued that vision; the result was Central Arizona Project (CAP), a 336-mile system that brings Colorado River water to central, and southern Arizona, is the state's single largest renewable water supply and serves 80% of the state's population.

For more than 30 years, CAP has reliably delivered water; however, we are now dealing with extended drought and overallocation of the Colorado River. To combat potential shortage, CAP is working with its partners to find solutions and protect our future water supplies.

TREASURER'S REPORT March 2018

General Fund Balance:	\$10,538.10
Scholarship Fund:	\$ 3,813.42
Membership Total:	141

March 50/50 \$226.00 - winner Carol Mungas donated her winnings to the scholarship fund
2018 Membership dues are now due—\$20.00

LUNCHEON MENUS

April 6: #1 Meatloaf or #2 Florentine Chicken with Herb Sauce Both entrées come with salad, Creamy Mashed Potatoes, Mixed Vegetables, and Rainbow Sherbet with a Cookie. *(Grilled Vegetable Plate or Fruit Plate also available)*

May 4: #1 Salisbury Steak or #2 Almond Crusted Chicken Both entrées come with salad, Lyonnaise Potatoes, Long Glazed Carrots, and Chocolate Mousse. *(Grilled Vegetable Plate or Fruit Plate also available)*

RESERVATION POLICY

The cost of the monthly luncheon beginning in Jan 2018 will increase to \$22.00 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.

FUTURE MEETINGS

June 1

Title: The Search for First Light: New Telescopes that will Expand Hubble's Frontier
Speaker: Rogier Windhorst, PhD Professor of School of Earth and Space Exploration, ASU



Getting to Know IT Security - WestMEC style
March 2, 2018 Speaker Bradley Whitaker, IT Security, West MEC

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