

# VALLEY ENGINEERING, SCIENCE & TECHNOLOGY CLUB

February 2018 NEWSLETTER

[www.engineersaz.com](http://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.

## FEBRUARY 2 PROGRAM

### Building the Future of Airpower: Whatever the load, the F-35 can carry it.

Maj David Clementi, Luke Air Force



Maj David Clementi is the executive officer to the commander of the 56th Fighter Wing and an instructor pilot in the 62nd Fighter Squadron at Luke AFB, AZ. As an instructor pilot he teaches basic and advanced air-to-air and air-to-ground tactics in the F-35A to initial qualification, transition, and instructor-upgrade student pilots. He is a senior pilot with more almost 2000 hours flying

fighter aircraft including over 800 hours flying the A-10C. He flew the A-10C on 81 combat missions in support of OPERATION ENDURING FREEDOM. Maj Clementi is a graduate of Florida State University and received his commission from Reserve Officer Training Corps.

Abstract: Luke AFB, AZ is building the future of airpower, and is the foundation for training F-35 fighter pilots from the U.S. Air Force and our allies. The supersonic, multi-role F-35 represents a quantum leap in air dominance capability with enhanced lethality, survivability, and sustainability in hostile, anti-access airspace environments.

The F-35 combines 5th Generation fighter aircraft characteristics — advanced stealth, integrated avionics, sensor fusion and superior logistics support — with the most powerful and comprehensive integrated sensor package of any fighter aircraft in history. The F-35's advanced stealth allows pilots to penetrate areas without being detected by radars that legacy fighters cannot evade.

## 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.

## Something to ponder

“It is easy to love the people far away. It is not always easy to love those close to us. It is easier to give a cup of rice to relieve hunger than to relieve the loneliness and pain of someone unloved in our own home. Bring love into your home for this is where our love for each other must start.”

Mother Teresa

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

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

## MARCH 2 PROGRAM

### Getting to Know IT Security - WestMEC style

Bradley Whitaker, IT Security, West MEC



“I come from a technical background spanning two decades. I earned my Associates and Bachelors in Multimedia and Virtual Reality from the University of Advancing Technology. Since I have worked in various positions within the industry from Graphic Design to IT Security. I have also taught in many

venues over my career. One of my favorite Quotes is “Small changes in initial conditions can radically alter the end product.” This is from Chaos Theory, and it mathematically represents what I believe to be my impact on the future generations.”

Abstract

This Presentation highlights the expanding gap in open Cyber-security positions nationwide, and the

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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
<b>Reservations</b>	<b>Dave Whitehouse</b>	<b>623-544-0942</b>
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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need for qualified candidates to fill those roles. West-MEC is a forward looking educational powerhouse that is training a future generation for a career in Cyber-security.

## FUTURE MEETINGS

April 6

Title: Fire tech and drones

Speaker: Eric Kriwer, EFO, CFO

Division Chief/Fire Marshal

Community Risk Management Division



## WHAT DO YOU SEE?

To the optimist, the glass is half-full.

To the pessimist, the glass is half-empty.

To the engineer, the glass is twice as big as it needs to be.

*Joke from [www.tickld.com](http://www.tickld.com); image from <http://goodthinkinc.com>*

## TREASURER'S REPORT January 2018

General Fund Balance: \$10,1287.58

Scholarship Fund: \$ 3,142.42

Membership Total: 139

2018 Membership dues are now due—\$20.00

## LUNCHEON MENUS

**February 2: #1 London Broil or #2 Almond Crusted Chicken.** Both entrées come with salad, Green Beans Almandine, Herb Roasted Potatoes and Carrot Cake. (*Grilled Vegetable Plate or Fruit Plate also available*)

**March 2: #1 Salisbury Steak or #2 Baked Alaskan Cod** Both entrées come with salad, Rice Pilaf, Steamed Broccoli & Cauliflower, and Mint Chocolate Chip Ice Cream and cookie. (*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.



**Chasing Gravitational Waves**  
**January 5, 2018 Speaker**  
**Nat Butler PhD, ASU**

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