

# ENGINEERS CLUB OF THE WEST VALLEY

MARCH 2008 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 had close ties to the engineering or scientific fields. Meetings are held at 11:30am on the first Friday of each month, October through June, at Briarwood Country Club, 135th and Meeker in Sun City West, Arizona.

Visitors are always welcome -- just call Reservations at (623)546-9112 to let us know you are coming.

## MARCH 7 PROGRAM



### Alternative Energy Realities

James Quaid, APS

The interest in alternative energy sources increases as we face higher and higher costs for foreign oil as well as the problems relating to emissions from use of petroleum-based fuels. There are many approaches to developing the energy resources needed for continuing world economic development. The challenge is to select those which are the most cost-effective while minimizing environmental impact.

Our March speaker will make some comparisons of various alternative energy solutions and include some economic evaluations of these alternatives: biodiesel, biogas/biomass, wind, geothermal, photovoltaic, and solar thermal power.

James Quaid works at the APS Solar Test and Research Center and is affiliated with the Electric Auto Association. Club members who attended the field trip to the STAR facility last spring will recognize James as our very knowledgeable and enthusiastic tour guide.

## APRIL (MARCH 28) PROGRAM



### Luke Air Force Base: Mission and Operations

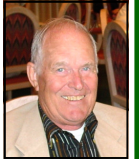
Colonel Henry M. Reed III, Vice Commander  
56th Fighter Wing, Luke Air Force Base

Colonel Henry M. Reed III is Vice Commander of the 56th Fighter Wing at Luke Air Force Base. The wing trains the pilots and the maintainers for the F-16 aircraft. Home to 27 squadrons and more than 180 F-16 aircraft, the 56th is the largest fighter wing in the U.S. Air Force and graduates more than 450 F-16 pilots and 900 crew chiefs annually. The wing oversees the Gila Bend Air Force Auxiliary Field and is steward of the Barry M. Goldwater Range, a military training range spanning more than 1.5 million acres of Sonoran desert.

Colonel Reed earned a BS in civil engineering from The Citadel and a MS in aeronautical engineering from Embry-Riddle Aeronautical University. He earned his wings from Euro-NATO Joint Jet Pilot Training at Sheppard Air Force Base, Texas and has served as a battalion air liaison officer, forward air controller, flight commander, fighter assignments officer, wing chief of safety, operations officer and fighter squadron commander. He is a command pilot, instructor and mission commander with over 3,200 hours, primarily in the F-16. He has extensive combat experience, and has received numerous awards and decorations including the Bronze Star.

## NOTES FROM...

### President Keith Morrow



#### You Can Help

Ask not, "What can my club do for me?" but ask instead, "What can I do for my club?" When our Officers and Committee members (who constitute the Board) can no longer serve, there ideally will be ready and able backups among us to fill their positions. Our club will then have assurance that we can continue to enjoy our highly professional luncheons, field trips and other activities.

I invite club members, especially those who have not served before, to become a guest of a board member and sit in on some board meetings to get acquainted with what we do and how we do it.

We have a most efficient, proficient, and productive Board directing our Club. We can only maintain the high caliber programs, information, and direction now provided by proactively supporting those serving us and being ready to assume their load when they step down or take time off.

Know that we want you to be ready to serve. Know that we will help you get ready and will welcome you to the camaraderie we find amongst the Board members. All you need do is indicate your willingness.

To supplement any volunteers, Board members will be asked to select promising candidates for Board membership and invite them to sit in on Board meetings.

Benefits from these efforts should provide:

- Assurance of the continued existence and success of the Club.
- A ready supply of replacements familiar with Board functions.
- Capability to fill temporary or unexpected vacancies.
- An effective transition to the 2009 Officers and Board.

Right now we need a Publicity Chairman to gather information provided by members and send it to newspapers. In addition, special tasks exist that may be better filled by Board Assistants.

Our Engineers Club of the West Valley will be whatever we members decide. We will be what we have the will to be.

**YOUR BOARD NEEDS YOU!!!!**

MAY 2

History of the  
Central Arizona Project  
David Navigato, CAP

JUNE 6

AZ Corporation Commission  
Commissioner Kristin Mayes

Pick up your 2008  
Membership Directory  
at the March meeting.

## 2008 OFFICERS

President	Keith Morrow	546-3080
Vice President	Fred Scheske	556-2892
Secretary	Sally Morrow	546-3080
Treasurer	Don Block	546-0557

## COMMITTEE CHAIRPERSONS

Programs	Fred Scheske	556-2892
Membership	Bob Latvala	546-7801
Membership	Bill Lee	977-1818
<b>Reservations</b>	<b>Gene Comstock</b>	<b>546-9112</b>
Luncheons	Hal Clemett	546-4941
Scholarship	Geraldine Montag	546-7963
Scholarship	Fred Berkenkamp	214-7757
Scholarship	Rutheloise Borchardt	933-2307
Reception	Maureen Comstock	546-9112
Newsletter	Jim & Pat Ardis	362-1013
Publicity		
Field Trips	Jerry Miller	214-2642
Field Trips	Dave Whitehouse	544-0942
Past President	Bill Harrison	546-4943

## TREASURER'S REPORT 1-31-2008

General Fund Balance:	\$3,244.20
Scholarship Fund Balance:	\$1,856.73

## LUNCHEON MENUS

**March 7:** Pesto Marinated London Broil, Parmesan Potatoes, Olive Oil Sautéed Zucchini with Red Pepper, Salad, Rolls, Beverages, Rainbow Sherbet. (**Entrée Option: Fruit Plate**)

**March 28:** Chicken Pot Pie with Flaky Puff Pastry Dough, Peas, Carrots, Mustard Mashed Potatoes, Salad, Rolls, Beverages, Blueberry Pie (**Entrée Option: Fruit Plate**)

## RESERVATION POLICY

**The cost of the monthly luncheon is \$16.50 per person.**  
The reservation deadline is 6PM Monday before the meeting.  
Late reservations cannot be guaranteed the regular meal.  
Call Gene Comstock if you cannot keep your reservation.  
A fee of \$10 will be charged for "no-shows."  
Please have cash or make out your check in advance.  
**RESERVATIONS Gene Comstock (623)546-9112**

## MEMBER SPOTLIGHT

*An occasional series of articles by Fred Scheske focusing on the engineering careers of Club members.*

**Robert Lichtmann** was born and educated in Chicago, Illinois. He excelled in high school chemistry and his teacher encouraged him to pursue a career in engineering. He attended the Illinois Institute of Technology under the U.S. Navy's V-12 program and graduated in three years with a BS in Chemical Engineering. Bob was quickly assimilated into the Navy in 1945 as an Ensign. After attending Naval Gunner School, he was assigned to several ships in Bremerton, WA and served until his discharge in 1946. He returned to IIT to earn his Master's Degree in Chemical Engineering.

Bob began his engineering career with TeePAK in Chicago working on plastic films for the meat packing industry. His goal to work in sales moved him into the fabric industry where he gained valuable knowledge that would benefit him in his career. Later, as an engineer in the electronics industry, his work led to managerial positions in several companies. In 1964 Bob decided to form his own company, Cover Craft, and started manufacturing auto accessories beginning with fabric car covers. From a start-up of one employee and a 1000 square foot facility in Van Nuys, California, Bob grew the company into one of 500 employees and three factories with a total of 300,000 square feet. He began with 30 hand generated patterns for car covers and expanded to 60,000 with the help of computer aided designs.

Bob retired in 2003 and with his wife, Charlotte, moved from California to Surprise in 2004.

## WELCOME NEW MEMBERS!

Mel & Jo Ann Eklund  
John & Marjorie Kugler  
Les & Vi Sherry

**Current club membership is 154.**

## NEWSLETTER & WEBSITE

The newsletter is published at [www.engineersaz.com](http://www.engineersaz.com) about two weeks before each meeting. Questions or suggestions should be directed to Jim or Pat Ardis at [jimpat@ardisnet.com](mailto:jimpat@ardisnet.com) or (623)362-1013.



At the February meeting, Past President Bill Harrison was formally thanked for his service to the Club by new President Keith Morrow.



Visiting with the operators in the control room was a highlight of our recent field trip to the headquarters of the Central Arizona Project.