

# ENGINEERS CLUB OF THE WEST VALLEY

NOVEMBER 2012 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 -- Reservations are required -- Just call (623)544-0942 to let us know you are coming.

## NOVEMBER 2 PROGRAM

### Translational Genomics And Medical Research

Michael Bassoff, President  
TGen Foundation



The Translational Genomics Research Institute (TGen) is a non-profit organization dedicated to unraveling the genetic components of common and complex diseases in an effort to develop earlier diagnoses and smarter treatments for patients suffering from serious diseases.

Michael Bassoff is President of the TGen Foundation which is a nationally based charitable organization that provides the necessary financial support for the TGen Research Institute. He is nationally known in the field of health science and development and is the co-author of a book that addresses the 20 myths of fundraising.

Michael began his career at the University of Arizona and was the very first fundraising person hired by the University's Health Sciences Center. He established a highly successful and comprehensive development program during his sixteen years there. Michael then returned to his home state of New Jersey to serve as President of the Foundation of the University of Medicine and Dentistry of New Jersey. In 2002, Michael returned to Arizona to create the TGen Foundation.

## DECEMBER 7 PROGRAM

### The Arrow of Time

Ralph V. Chamberlain, PhD  
Arizona State University



Experiments show that time progresses only forward. Ralph will address the question of: Why can we NOT go back in time? Time reversal is used in many areas - including Newton's laws, Einstein's relativity, and Hollywood's movies - but everyday experience tells us time goes only forward.

In physics, this arrow of time is required by the second law of thermodynamics. Surprisingly, the same law says that our total information about the universe always *decreases*! He will present several examples explaining our concept of time and total information, and why they progress in only one direction.

Ralph received his BS degree from the University of Utah and his MS and PhD degrees from the University of California at Los Angeles. He did post doctoral research at the University of Pennsylvania for two years before joining ASU in 1986.

## LUNCHEON PRICE CHANGE

Last January, due to the sharp increase in many food items and operating cost, Briarwood imposed a 6.0% increase on all catered service meetings. Fortunately, the Engineers Club is exempt from any increase for 2012 because of a previously negotiated pricing agreement to retain the \$17.00 cost for luncheons. Unfortunately, we will not be exempt for 2013. Hence, there will be a \$1.00 increase bringing our monthly luncheon meal cost to \$18.00 beginning in January 2013.

On a happier note, Briarwood will be offering two entrees instead of just one. One will be our usual entrée of mixed beef, chicken and pork selections. The second entrée will offer a variety of fish selections such as trout, cod, orange roughy and salmon.

The options of Fruit Plates and Grilled Veggie Plates will remain in place for those with special dietary needs.

Our years at Briarwood have been very satisfactory, both as a meeting place and overall food service. We hope our members will continue to participate in our monthly meetings and enjoy the program content, the meal service and the atmosphere of camaraderie.

## MEMBERSHIP DUES

**Dues of \$20 for 2013 are now being accepted  
at the membership table before meetings  
or by mail to the Membership Chairman**

**Bob Kessler  
18005 N 129th Drive  
Sun City West AZ 85375**

## SUGGESTION BOX

Your comments, suggestions and ideas on possible field trips and future programs are welcome and needed

## JANUARY 4 PROGRAM

### Genetically Modified Food

Dr. Charles J. Arntzen  
Arizona State University

**2012 OFFICERS**

President	Les Sherry	975-9081
Vice President	Bob Farrell	810-5095
Secretary	Jodie Lawrosky	238-5256
Treasurer	Bob Latvalla	546-7801

**COMMITTEE CHAIRPERSONS**

Programs	Daryl Lund	271-7337
Programs	Bob Farrell	810-5095
Membership	Bob Kessler	910-7054
Reservations	Dave Whitehouse	544-0942
Luncheons	Doug Keeler	480-8476
Luncheons	Hal Clemett	546-4941
Scholarship	Len Cohen	546-3741
Scholarship	Don Johnson	975-1657
Scholarship	Gerry Montag	546-7963
Member at Large	Fred Scheske	556-2892
Newsletter	Bill Harrison	546-4943
Event Support	Ralph Palmer	815-8143
Web Site	David Campbell	518-4871
Publicity	Maurice Hoyt	533-4213
Field Trips	Keith Morrow	546-3080
Past President	Don Block	546-0557

**BOARD EMAIL ADDRESS: [board@engineersaz.com](mailto:board@engineersaz.com)**

**Scholarship Update**

by Gerry Montag

This column is the second of a series of updates on what some of our scholarship recipients are doing.

**Philip Walker – Year 2006, \$2,000 Awardee**

“I am still in school actually. This fall I started work at ASU toward a PhD in Applied Mathematics. I graduated with a BS in Mechanical Engineering from ASU in 2010, a MS in Applied Mathematics from King Abdullah University of Science and Technology in 2011, and an MS in Mechanical Engineering from ASU also in 2011. My research interests are in the overlapping region of dynamic systems and fluid dynamics. I have recently submitted my first paper which looks for a correlation between the structures that arise in a flow field to diffusion processes.

“I had a research internship at the University of Oxford last summer. The project I worked on was how to solve partial differential equations on surfaces of objects (we primarily used images of rabbits or seashells). After the requirements for the summer internship were completed, my advisor and I looked at how we might extend such processes to not so well defined surfaces.

“The financial ability that your scholarship afforded, helped me realize its power and necessity. I do believe that none of the above would have become a reality without your help. I am greatly indebted and thank you.”

**TREASURER’S REPORT 10-15-2012**

General Fund Balance:	\$5,559.88
Scholarship Fund Balance:	\$ 725.10

**LUNCHEON MENUS**

**November 2: Turkey Medallions with Cranberry Sauce, Served with Apple Walnut Stuffing, Green Beans Almandine and Apple Turnover with Vanilla Ice Cream. (Entrée Option: Fruit Plate or Grilled Vegetable Plate)**

**December 7: Yankee Pot Roast with Natural Gravy, Broiled Red Potatoes, Chef’s Vegetable and Peppermint Ice Cream and Cookie. (Entrée Option: Fruit Plate or Grilled Vegetable Plate)**

**RESERVATION POLICY**

**The cost of the monthly luncheon is \$17.00 per person.** The reservation deadline is 5 PM Monday before the meeting. Late reservations cannot be guaranteed the regular meal. Call Dave Whitehouse if you cannot keep your reservation. **The full luncheon cost is due for “no-shows” and cancellations after 6PM on the Wednesday before the meeting.**

**RESERVATIONS Dave Whitehouse (623)544-0942**

**RAFFLE RESULTS AND DONATIONS**

The winner of the October raffle was **Tod Hamilton** who received \$82 with an equal amount to the Scholarship Fund.

**WELCOME NEW MEMBERS**

**James March and David Zoss  
Club Membership is 150**

**This month in Engineering History:** November 7th is the anniversary of the collapse of the Tacoma Narrows Bridge in Washington State in 1940. It's a sad day, of course, because it commemorates a Civil Engineering failure. Fortunately, no one was hurt but it was still a waste of both money and time. And it could have ended terribly.



Hal Lind receives a certificate of appreciation from Don Block for his presentation on the evolution of the automobile as well as what features future designs my include.