

## UCSD Robotics



**Craig Nelson**  
Editor

President **Michelle**

**Candland** called the meeting to order and the enchanting **Nancy Scott** provided the Inspirational Moment with a view to all who touch us in our daily lives.

In addition to the pre-meeting concert, the Pledge of Allegiance was led by the Club 33 Singers accompanied by Bryan Verhoye, followed by the singing of *God Bless America*.

**Nancy Laturno** of Mainly Mozart sponsored the news which was presented by **Bert Wahlen**, our very own golden voice of Rotary. Bert reported that the stock market, measles, terrorist threats and the economy were all up along with Tiger Woods' golf score at Torrey Pines.

President Michelle welcomed all non-Rotarian guests and announcements were forthcoming.

**Craig Nelson** (hey, that's me!) reminded everyone to save the date for this year's Rotarians at Work Day, Saturday April 25<sup>th</sup>, and asked everyone to program it into their smart phones now. Not only do the favorite projects of past years return, but we have several new projects this year and still have room for one or possibly two more. Contact **Emily Rex**, **Chris Christopher** or Craig to get your project added or to join the RAW Committee. All participants get free 2015 RAW t-Shirts.

**Paul Nestor** reminded the crowd about the upcoming Grotarian event on Feb. 10<sup>th</sup> at Nic McGuire's glass studio. For a mere \$30, you get a full dinner catered by our own **Kathy Koenig** of Culinary Concepts and dessert by Extraordinary Desserts. Go to our [website](#) to sign up.

It's never too early to start thinking about Camp Enterprise. **David Oates** spoke, texted and tweeted to get us all excited about this year's CE which just may be the best yet. **Tyler Cramer** and Paul Nestor managed to get Costco Co-founder Jim Sinegal to be our guest speaker, so you know the room will be packed to the gills.

We welcomed two new members today. **Ray Higgins**, CEO of Higgins Capital Management in La Jolla, and **Pradeep Khosla**, the 8<sup>th</sup> Chancellor in UCSD's history. Pradeep emigrated from India to Pittsburgh where he labored for 30 years before coming to San Diego with his wife and 3 kids.

**Craig Blower** took center stage as Chair of the Day to introduce the visiting Rotarians and, as is our custom, to present a gift to the Rotarian traveling the farthest distance. Seeing none, Craig decided our own **Natasha Josefowitz** should be the recipient as she is being inducted into the San Diego County Women's Hall of Fame. Natasha received a bag full of goodies related to the Reuben H. Fleet Science Center and a nice bottle of Rombauer Chardonnay.

Craig introduced our speaker, Professor Tom Bewley of UCSD Robotics. I think Craig tried to pinch him just to be sure it was the real Professor Bewley himself and not a robotic clone. But Professor Bewley was closer to an enthusiastic Steve Jobs running around the stage. The Rotary crowd had hunkered down with coffee and dessert fork in hand in anticipation of a lecture from the UCSD Professor with a degree from Cal Tech and a PHD from Stanford. I think the hope in the room was that it would be interesting when in fact it was fascinating.

Bewley explained the secret sauce at UCSD robotics was a combination of teamwork, design, technology and algorithms. He showed us a Segway-like vehicle that started as a 3 hour test question and ended up as a commercial toy that can jump over a pit of fire and other obstacles. "Y'know, simple stuff," he explained.

Next up, he described a tensegrity duct-climbing robot encompassing 2 tetrahedrons that can climb and go around ducts (in case you thought he said "ducks," go to [www.robotics.ucsd.edu](http://www.robotics.ucsd.edu)) and a reverse slinky robot that can go up the stairs.

## NEXT MEETING

**February 12**

***AEDs-Helping to Make  
San Diego a Heart Safe  
Community***

Maureen O'Conner, Public Access Defibrillation Program Manager for San Diego Project Heartbeat (SDPHB) will explain how sudden cardiac arrest is the leading cause of death in the United States – more than breast, lung and prostate cancer, traffic accidents, fire deaths and AIDS combined. Maureen will also provide a live on-stage demonstration showing how an AED works and how you can use one to save a life. Joining Maureen will be Rob Hoadley who will share his personal story of being saved by an AED. This is one Rotary program not to be missed – what you learn could make the difference for someone – and you.

We are having a free "hands-only" CPR/AED in-service training for anyone who would like to stay after the program. The training will take approximately 30 minutes and will be conducted by our Maureen. Please let the office know if you plan to participate.



**John Morrell**  
Chair of the Day

## QUICK BITS

### ROSTER PHOTOS-FEB 19.

If you do not have a roster photo on file with us or would like to take a new photo for the 2015-2016 Directory, please arrive before the meeting or plan to stay after to have Stan Lawrence take a photo.

**ROSTER UPDATES-** Also, if you have new contact information that needs updating, please [click here](#) for the update form and return it to Mary.

### BROWN BAG LUNCH-FEB 26

Online registrations will begin on Feb 12. There will be no meeting at Liberty station on the 26th. Remember that attendance is still mandatory so be sure to sign up at one of the hosted locations.

### 2015-2016 PROJECT ALLOCATION APPLICATIONS

The 2015-2016 PAC memorandum and application are now available to download from our website in the "Member Downloads" page. If possible, please type your responses directly onto the application.

### **IMPORTANT: Deadline to submit applications is March 13th.**

Please contact [Tyler Cramer](#) if you have any questions.

[Click here](#) to be directed to the forms.

## BIRTHDAYS

Chris Bryant	February	4
A.J. Antun		4
Don Tartre		5
Greg Pyke		6

## UCSD Robotics

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Professor Bewley showed us how deploying robotics and sensors in balloons can be deployed into hurricanes from both above and below to better forecast the direction of hurricanes, how strong they will be and where they will make landfall. However, somehow they still can't get the weekend weather correct.

How about a defense application for the robot who can be guided along the surface of the ocean, dip under the waves to the sandy bottom to then reach the shore, climb up onto the sand, over the grass and barbed wire and then up a flight of stairs? Pretty wild.

A good Professor always knows his audience, so he let the Rotarians know of the vital importance of "BLFNAR" in almost every futuristic technological advancement. The cost of BLFNAR is very modest, yet vital to almost any commercial application. Pretty much all of the heads in the room were nodding in agreement. Because, as we all know, what good is a robot without Blinking Lights For No Apparent Reason?

## MUSIC NEWS

The Club 33 Singers sounded better than ever thanks to **Joe Watkins** who made arrangements for one of the Point Loma Nazarene University grand pianos to be placed in the hall for use by the Club. Thank you, Joe! And thank you to the Singers for helping to make this a very special surprise for **Suzy Spafford**, who has been wishing for this for some time. Her reaction when she saw the piano was priceless!



## CALENDAR

ALL MEETINGS ARE HELD AT LIBERTY STATION CONFERENCE CENTER UNLESS OTHERWISE NOTED

### Feb

12 **CPR/AED Happy Heart Program**

19 **Disaster Preparedness**

26 **Brown Bag Luncheon—No Meeting at Liberty Station**

### March

5 **Mercy Outreach Surgical Team (MOST)**

## GROTARIAN EVENTS

### **NIC MCGUIRE'S GLASS STUDIO**

**Tuesday, February 10**

**5:30 pm - 8:00 pm**

**Location: 1841 National Ave.**

**San Diego 92113**

**\$30 per person**

Tour the studio of one of the country's famous glass artists and see him transform molten glass into spectacular art. Includes dinner and beverages.

### **WINTER FIRESIDE CHAT**

**Tuesday, February 24**

**5:00 pm - 7:00 pm**

**Location: Academy of Our Lady of Peace**

This free event is open to Rotarians only (please, no guests or spouses.)

Please visit our website at [www.sandiegorotary.club](http://www.sandiegorotary.club) for more event details and to register.

Meetings: Every Thursday at Noon, Liberty Station Conference Center, 2600 Laning Road, San Diego, 92106

Michelle Candland, President ♦ Paul Devermann, Executive Director

San Diego Rotary ♦ 2247 San Diego Avenue, Ste. 233, San Diego, CA 92110-2943

Phone: 619/299-3309 Fax: 619/299-3340 ♦ e-mail: paul@rotary33.org ♦ website: http://www.sandiegorotary.club

# FACES IN THE CROWD



Craig Nelson had double duty as Rotator Editor and Committee Minute presenter today.



Guest speaker Professor Tom Bewley presented one the robots designed by his students.



Nancy Scott presented an Inspirational Moment inspired by one of her favorite poems.



Chair of the Day Craig Blower, President Michelle and Professor Bewley



Kate Carinder, new member Chancellor Pradeep Khosla and President Michelle



Mark Trotter, Vance Gustafson and Bob Cairncross



Wes Wilmers and his sons Conner and Dalton



David Oates encouraged everyone to support this year's Camp Enterprise by purchasing a T-shirt or selecting one of the new sponsorship opportunities.

# SMALL CLUB JOINT VENTURE COMMITTEE

Please join the Small Club Joint Venture Committee in showing their support of the Southeast San Diego Rotary Club by attending this event. Contact [Jenni Prisk](#) if you have any questions.

ROTARY CLUB SOUTH EAST SAN DIEGO P.O. BOX 740589 SAN DIEGO, CA 92174  
PHONE 619-267-0893 FAX 619-475-7083 SESDROTARY@YAHOO.COM



## ROTARY BUSINESS MIXER

FEBRUARY 11, 2015 6PM

FELIX'S BBQ WITH SOUL

MARKETCREEK PLAZA

342 EUCLID AVENUE

SAN DIEGO, CA 92102

COST: \$20 (HOURS DEVOURS WILL BE SERVED)



**JAMES JACKSON**  
PRESIDENT, SESD ROTARY 2014-2015

MEET US AT FELIX'S ON WEDNESDAY, FEBRUARY 11TH 2015 IN CONJUNCTION WITH OUR OBSERVANCE OF BLACK-HISTORY MONTH, THE ROTARY CLUB OF SOUTH-EAST SAN DIEGO WILL HOST A BUSINESS MIXER. COME OUT, AND MEET KEY MEMBERS OF THE SOUTHEAST SAN DIEGO COMMUNITY, EXCHANGE BUSINESS CARDS AND NETWORK WITH BUSINESS OWNERS AND OTHER COMMUNITY LEADERS. NETWORKING WILL TAKE PLACE IN THE RESTAURANT AND ON THE PATIO. FIND OUT WHO WE ARE AND HOW WE CAN PARTNER IN ENSURING THE BEST FOR OUR COMMUNITY AS VOLUNTEERS, BUSINESS OWNERS, AND CONCERNED CITIZENS. **SHERYL REICHERT**, CEO OF THE BETTER BUSINESS BUREAU WILL BRIEFLY ADDRESS BUSINESS CONCERNS AS WELL.

RSVP TO CLUB SECRETARY DIANNE CRAWFORD AT  
(619)267-0893 OR  
SESROTARY@YAHOO.COM

## New Member News

Please welcome our two newest members to the club.



**Ray Higgins** - "Financial Management—Municipal." Ray is the CEO and founder of Higgins Capital Management, a FINRA broker, dealer and registered investment advisor. **Terry Moore, Ken Andersen and Joe Horiye** were his sponsors.  
(B) 800-716-6510

[Raymond.Higgins@HigginsCapital.com](mailto:Raymond.Higgins@HigginsCapital.com)



**Pradeep Khosla**- "Education-University-Administration." Pradeep is the Chancellor at UC San Diego. **Kate Carinder, Karin Winner and Julia Brown** were his sponsors.  
(B) 858-534-3135

[pkhosla@ucsd.edu](mailto:pkhosla@ucsd.edu)

## Fishing Committee

To all Rotarians who love sport fishing!

**September 2, 4:00am**—This year we will be fishing aboard the boat Searcher out of Fisherman's Landing in Point Loma. You will check in by 4am and the boat will leave shortly thereafter. It is an extended 1 1/2 day trip that will fish offshore for tuna, yellowtail and dorado. We will return to Fisherman's Landing at 8am on Sept. 4th. The price is \$465.00 and the trip is limited to 28 passengers. You can check out the boat at [Searchersportfishing.com](http://Searchersportfishing.com). The trip will be sponsored by Turners Outdoorsman and will have angler giveaways and jackpot prizes. This trip will sell out fast so don't wait! Contact Celia at 619-226-2403, or call Fisherman's Landing at 619-221-8500. Let's fill the boat with Rotarians!

Thank you,  
**Bob Fletcher**  
Chairman, Fishing Committee

## Alcazar Garden Planting

If you missed last month's event, here is another opportunity to join in on preparing the gardens for the upcoming Centennial Celebration at Balboa Park.

**Friday, February 27 9:00 am-12:00 pm**

Up to 25 volunteers are welcome and lunch will be provided, courtesy of the Friends of Balboa Park.

Family and guests are also welcome.

[Click here to sign up](#)





## SUPPORT CAMP ENTERPRISE!!!

Putting on the annual event for nearly 90 students is no easy task. It takes nearly 50 Rotarians, more than 40 Rotaracts and approximately \$35,000.

While the generous endowment fund we have covers most of it, we certainly appreciate the past support we've received from those willing to help underwrite the Camp's cost each year. Doing so will ensure we can continue to fund this valuable program each year!



Many of you purchase a Camp Enterprise T-Shirt that we sell a couple of weeks prior to Camp. We'll have some limited amounts available this year before the March 5 and March 12 Rotary programs. We know there are several Rotarians who are gracious to support, but not keen on having another T-shirt in many dresser drawers. So with that, we'd like to offer you other ways to help out. Thanks to the creativity of our own Rotarian, **Michael Anderson**, we're putting together a "Friends of Camp Enterprise" program with the following different sponsor opportunities in addition to the T-shirt purchases:

Sponsor a student (90 opportunities): \$50

Sponsor a team (10 opportunities): \$500

Sponsor a cabin (13 opportunities): \$750

Sponsor a meal: (Breakfast, Lunch or Dinner - 7 opportunities): \$1,000

We'll proudly include your logo at our Friends of Camp Enterprise signage at Camp as well as give recognition in our post-Camp Enterprise Rotator edition.

If you're interested, please contact the office or this year's Camp Enterprise Committee Chairperson, David Oates. Thank you for your consideration and support!