

September 27, 2011

Hi Everyone!

There is much to report on this week so take a look at some of the new information.

-Nancy Mc

Women in Science and Engineering at CSUN School of Engineering is sponsoring a special lecture geared toward girls by Dr. Bonnie Dunbar, retired NASA Astronaut.  
(Boys are welcome to join us.)

Tuesday, October 4, 2011

**Reception:  
4:00-5:00 pm**

**Presentation:  
5:00-6:00 pm**

**Jack and Florence Ferman  
Presentation Room  
Oviatt Library  
California State University,  
Northridge  
18111 Nordhoff St.  
Northridge, CA 91330**

Tickets may be reserved online at  
<http://library.csun.edu/wise>.  
Tickets must be picked up by 4:00 pm  
on the day of the event, or they will be  
released to the public.

If you have any girls on your team that would be interested please have them register for their seats as soon as possible.

### **Boy Scout Robotics Badge Day**

On Saturday, October 15, 2011 from 9:00am to 3:00pm I, along with Tarek Shraibati from CSUN will be hosting a special day for all Greater Los Angeles Ares Boy Scouts. We will have VEX robots available for building and FRC robots around for demonstrations and for driving.

We plan to videoconference with the national office in the morning and will have a badge ceremony in the afternoon for all of those who complete the requirements.

If you have any Boy Scouts on your team have them contact me for more information.  
[nmcintyre @ chaminade. org](mailto:nmcintyre@chaminade.org)

The workshop will take place at the Condon Science Center at Chaminade College Preparatory 7500 Chaminade Ave West Hills, CA 91304.



### **2011 SCRRF Fall Classic Wrap-up**

**A very successful 2011 SCRRF Fall Classic  
is in the books!**

**Many thanks to WRRF for providing the field, BAE Systems for covering transportation and materials, Los Angeles Region FLL for power distribution and audio video equipment, and, most importantly, all the volunteers (field setup/teardown, referees, scorekeepers, field reset) so critical to the success of the event.**

Before the elimination matches, a brief ceremony was held thanking Jim Beck for his service and dedication to FIRST Robotics in Southern California. Student representatives from each team gave a brief "thank you" and shook hands with Jim.

The elimination round included six alliances, with single-match eliminations in the first round. The event culminated in a very exciting set of finals matches, requiring three games to decide the Championship. Team 696 (Circuit Breakers) were called upon as a back-up robot in the Finals by the #4 alliance.

#### 2011 SCRRF Fall Classic Results

Q-Final 1					QF1-1				
3	4973	1323	691	26	1	973	1538	3973	106 55 X
6	2584	1160	2496	53	6	2584	1160	2496	16 24 X
Q-Final 2					QF2-1				
4	399	3647	980	60	2	1197	330	702	88 68 38
5	696	362	1138	22	4	399	3647	980	98 42 65

2011 SCRRF Fall Classic Awards				
Most Creative Robot	Team 1197	TorBots		
Most Effective Design	Team 399	Eagle Robotics		
Team Spirit	Team 973	Greybots		
Highest Quality Robot	Team 1538	The Holy Cows		
Judges Award	Team 3647	Millennium Falcons		
Peer Favorite Robot	Team 1538	The Holy Cows		

Champions:	973	1538	3973
Finalists:	399	3647	980/696

Fall Workshop: November 5, 2011  
California State University Northridge  
For more information:  
<http://larobotics.org/Workshops2011.html>

This year we will have a new format. There will be two longer sessions that focus on hands on experience for the student participants.

Session I will run from 9:00am to 10:30am.

Session II will run from 10:45 to 12:15.

We will be asking student participants to come with laptops, robot components, and other things that they can work with.

By the next newsletter we hope to have a session list and a what to bring with you list.

Registration is \$50.00 per team for teams who register by the deadline posted on the SCRRF site and \$75.00 for late registration.

We will be inviting all FRC VEX and FRC teams to participate as much of the information on how to innovate, how to build a drive system, scholarships, project management, and many other topics fit and can help kids for all programs.



**TIMS is now open for team leaders to update. The link can be found at**  
<https://my.usfirst.org/frc/tims/site.lasso>

**FRC 2012 Kickoff Saturday, January 7, 2012** Local events are listed at :  
<http://www.usfirst.org/roboticsprograms/frc/local-kickoff-information>

**Bill's Blog has a listing for the the upcoming FRC events if you need to see what cities are in each of the competition weeks. Registration for events will begin very soon.**

**Bill' Blog can be found at:**  
<http://frcdirector.blogspot.com/>



**The 2011 Food Factor Challenge has been released!**

<http://www.firstlegoleague.org/challenge/thechallenge>

The LARFLL events page has been updated (<http://fll.larobotics.org/Events.html>) and the FLL Team Registration

LeRoy Nelson is the partner in Los Angeles  
[LeRoyNelson@earthlink.net](mailto:LeRoyNelson@earthlink.net)  
Lynn Crockett is the partner in San Diego  
[Lynn.Crockett@LEGOLAND.com](mailto:Lynn.Crockett@LEGOLAND.com)  
Sara Tamayose is the partner in Hawaii  
[stamayose@gmail.com](mailto:stamayose@gmail.com)  
<http://www.hawaiiifll.org/>



Bowled Over! is played on a 12'x12' diamond shaped field as shown on the diagram above. Two alliances – one “red” and one “blue” – composed of two teams each compete in matches consisting of a 30 second autonomous period followed by a two-minute driver controlled period.

The object of the game is to score more points than your opponent's alliance by placing racquet balls into crates and then stacking the crates. Teams will be challenged to complete tasks during autonomous and driver controlled periods and will score special racquetballs and six pound bowling balls for additional points.

#### The Details:

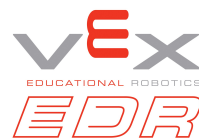
There are a total of 100 racquetballs available to both teams as scoring objects in the game. The field also holds 12 stackable Ball Crates that teams can fill with racquetballs and stack for additional points, and two bowling balls that can be scored during the autonomous or end game period for additional points.

The field includes two home zones comprised of a platform and a ramp, and two protected zones where a team may stack their crates without fear of having them toppled by their opponents.

Los Angeles Partner Suparna Mukherjee  
[suparna.mukherjee@jpl.nasa.gov](mailto:suparna.mukherjee@jpl.nasa.gov)

San Diego Partner John Brooks  
[jbrooks6@att.net](mailto:jbrooks6@att.net)  
San Diego Partner Marion Brooks

[manybrooks@att.net](mailto:manybrooks@att.net)



More Good News About  
The High Desert Vex Robotics League  
for the 2011-12 school year.

**Great News!** Sultana High School was able to secure a grant to offset the **High Desert Vex Robotics Gateway League**. Registration fees therefore are **only \$50.00 per team for all six matches**. It is important that we get all teams signed up **ASAP** so that we can get league information out to all members. Please contact me directly if you have any questions. You can go to [www.vexrobotics.com](http://www.vexrobotics.com) and register for the league.

Jay Winters  
Auto Shop Teacher  
SkillsUSA & Robotics Advisor  
Sultana High School  
760-987-1160

#### Announcement from: California Academy of Math and Science

I wanted to personally invite your teams to participate in the CAMS Invitational on 10/15. It appears that our event will not be a World Qualifier, but it will still be a US Qualifier. Those of you who have come to our event in the past know that our facility is just the right size for the event and that we can get your teams on/off the field efficiently. Over the last five years, it has been a lot of fun hosting many of you. I have just opened the registration so I wanted to bring it to your attention since there are only three weeks until the event.

I hope that you all have an exciting and rewarding VEX season.

Ted Harder  
Teacher, Physics & Digital Electronics  
California Academy of Mathematics & Science  
tharder@lbschools.net



For 2011, over **149**  
**scholarship providers** are making available  
over **932 individual scholarship**  
**opportunities** with a total value of over  
**\$14.8 Million!**

<http://www.usfirst.org/aboutus/scholarships>



The MATE Center coordinates an international student ROV competition and a network of 20 regional ROV contests that take place across U.S. and in Canada, Hong Kong, and Scotland. Student teams from middle schools, high schools, home schools, community colleges, and universities participate in the events, which consist of different "classes" that vary depending on the sophistication of the ROVs and the mission requirements.

In addition to being fun and educational, these competitions connect students and educators with employers and working professionals from marine industries, highlight marine-related career opportunities, and promote the development of technical, problem solving, critical thinking, and teamwork skills.

Information for the upcoming season will be released in November.

[http://www.marinetech.org/rov\\_competition/](http://www.marinetech.org/rov_competition/)



Harvey Mudd College students are looking for an FRC team near Claremont, CA that needs mentors. We worked as mentors last season to rookie team 3473, and most of us have considerable experience from our own high school FIRST teams. If you are looking for mentors or want to hear more about what we do, please contact Sarah Ferraro at [sferraro@hmc.edu](mailto:sferraro@hmc.edu)

### Local High School Looking for Science Teachers

Newbury Park High School is looking for a teacher who can teach Honors Chemistry from October to January and for someone who can teach college Prep biology from January to June. Please contact Jen Lockwood at [jlockwood@canejok12.ca.us](mailto:jlockwood@canejok12.ca.us)

### Resources:

FIRST [www.usfirst.org](http://www.usfirst.org)

ANDYMARK <http://www.andymark.com>

VEX PRO  
<http://www.vexrobotics.com/products/vexpro/>

VEX [www.vexrobotics.com](http://www.vexrobotics.com)

Robotevents [www.robotevents.com](http://www.robotevents.com)

Carnegie Mellon Curriculum  
<http://www.education.rec.ri.cmu.edu/roboticscurriculum/index.html>

ROC <http://www.hawaiiroc.org/>

Autodesk Student Community  
<http://students.autodesk.com/>

Robot Magazine <http://www.botmag.com/>

Chief Delphi  
<http://www.chiefdelphi.com/forums/index.php>

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### **Dates on the Horizon:**

October 15, 2011

Boy Scout Robot Badge Day Chaminade  
College Preparatory

CAMS VEX Tournament

Battle At The Boarder

October 22, 2011

Viewpoint VEX Tournament

October 30, 2011

Orcutt Community FLL Event

November 5, 2011

Fall Workshop Day California State  
University Northridge

November 19, 2011

Granada Hills VEX Tournament

Dec 3, 2011

December 10, 2011

CSUN Regional VEX Tournament

FTC Tournament

December 17, 2011 FLL Los Angeles Regional  
Tournament at Chaminade College Preparatory  
Middle School

January 7, 2012 FRC Kickoff

February 19, 2012

Robot Blessing Cathedral of our Lady of  
the Angels 9:00am

Pre Ship Scrimmage TBA

February 21, 2012

Ship Day!

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### **Quote for the week:**

*"Difficult things take a long time, impossible  
things a little longer."*

~André A. Jackson

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### **Reminders:**

- 1. There are many events coming up this fall. Take advantage of the opportunities.**
- 2. Stress safety to all new members, including the importance of wearing goggles.**

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If you have any information to share with  
robot teams please let me know. I am glad to  
add your events to my next newsletter.

-Nancy Mc

*FUTURE Founding Board Member*

*(My school e-mail is still the best way to reach  
me during the academic year.)*

[nmcintyre@chaminade.org](mailto:nmcintyre@chaminade.org)

[nancy@futurefound.org](mailto:nancy@futurefound.org)