



Smoke Signals

Newsletter of Fullerton Radio Club

June 2012

President's Message

Hi everyone, it is now summer time, so get out the sunscreen. I don't have much to say this month other than to have fun and get on the air. I do have an app review so I will let you read that.

This month I will be telling you about the "Ham Radio Outlet" app. In this app you can search for any product that HRO carries by item #, keyword or by manufacturer. There is a section called current promotion so you can check out some good products for less. The app also has an auction section so you can bid on some radios. You can look up locations get maps and email the company. This app is nicely designed and easy to navigate. It doesn't have a lot of auction items and the ones they do are in the "k" range. The promotion section has an even smaller list (just one item) and again it is in the "k" range. This app is good for looking up lots of products and it will show you if the item is in stock at your local store. It would be better if you could actually order what you want and have it delivered but there is no function for that. The location feature works well and you can get directions to the HRO of your choice. Over all it is an ok app and it has the potential to be a good one with a few changes and updates. Hope you enjoy and I will see you at the next meeting.

Albert Solomon KI6WRU

Board Meeting Date Change

Please note that the July Board of Directors' meeting will be held on Tuesday, July 3, 2012 instead of the usual Wednesday date because the first Wednesday is the July 4th holiday.

All members are invited to attend.

FRC June Club Meeting

Div, Grad, Curl and All That, But Without the Math

Also Know As

Come See Some Very Interesting Demonstrations About Electric Fields, Magnetic Fields and Electromagnetic Radiation

Walter Clark will give a presentation that focuses on the fun aspect of understanding electric and magnetic fields. Although Walter states that the demonstrations are only loosely connected to the talk, his demonstrations have always generated interest from the audience as seen at the 2010 Microwave Update held in Cerritos.

Walter describes himself as one who has confused hobby and work since his summer jobs at TRW back in the late 60s. He has built gas lasers at home and YAG lasers at work. He still prefers the workbench to deskwork and finds enjoyment finding great tabletop demonstrations that illustrate theory (especially demonstrations of physical optics using microwaves). He graduated from UC Irvine with a degree in Physics and has worked at Northrop with a few "tangents" until retiring in 2006. You will have to ask him about the tangents as Walter is an individual of many interests.

Reminder – Meeting Location

FRC is still meeting at the **Chapman Activity Center, 2515 San Carlos Drive, Fullerton, CA 92831**. Go East on Commonwealth past State College Blvd. San Carlos is the second street on the right. Meetings are held on the third Wednesday of each month (except December). **Starting time is 7:00 PM SHARP.**

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Show –and–Tell

Bring something of interest to the meeting to show and share your story. Something old, new, or just of interest to hams.

Web site: www.FullertonRadioClub.com

June 2012 Board Meeting Minutes

President Albert Solomon KI6WRU called the May Board meeting to order at 7:45 PM. Others in attendance include Vice President Richard Belansky KG6UDD, Secretary Linda Endsley KJ6IHB, Treasurer Gene Thorpe KB6CMO, Directors Larry McDavid W6FUB, Bill Preston KZ3G, Robert Gimbel, KG6WTQ, Bill Kohlenberger W6ZJE, and members Joe Moell K0OV, Cheryl Thorpe KE6TZU and Paul Broden K6MHD.

Minutes of the May Board meeting were reviewed and approved. Treasurer's report: Savings account; \$ 3,071.57. Checking account; \$2,240.56.

Old business:

There were two new members and one renewal for May. Payment for dues are past due if not paid, and need to be submitted if not already sent.

There will be NO Field Day event this year as a club. Will have a list of other participating clubs in Smoke Signals.

Airport Day will be Saturday, October 6, 2012.

July Board Meeting -was voted to hold meeting on Tuesday, July 3 since the first Wednesday falls on July 4.

December Holiday dinner – was voted to have on Friday, December 14.

The dinners at Coco's before the general meetings will be at 5 PM SHARP and will be ending prior to 7 PM so that the general meetings will be able to start on time and end on time.

Next OCARA meeting - June 13.

Antennas in the Park – had a couple of antennas – there was a good turnout. Robert (KG6WTQ) will talk to the Catalina group about getting together next year.

There will be no radio booth at the OC Fair this year.

New Business:

The club needs to do an e-Postcard for IRS for non-profits

The club insurance payment was processed.

Field day – you may work wherever you want.

The June general meeting presenter will be Walter Clark.

Continuing Tech class –test July 19 – classes every 3rd Thursday (except Oct and Nov) at Cedar Hill Mobile Estates. [See page 4 for exam sessions]

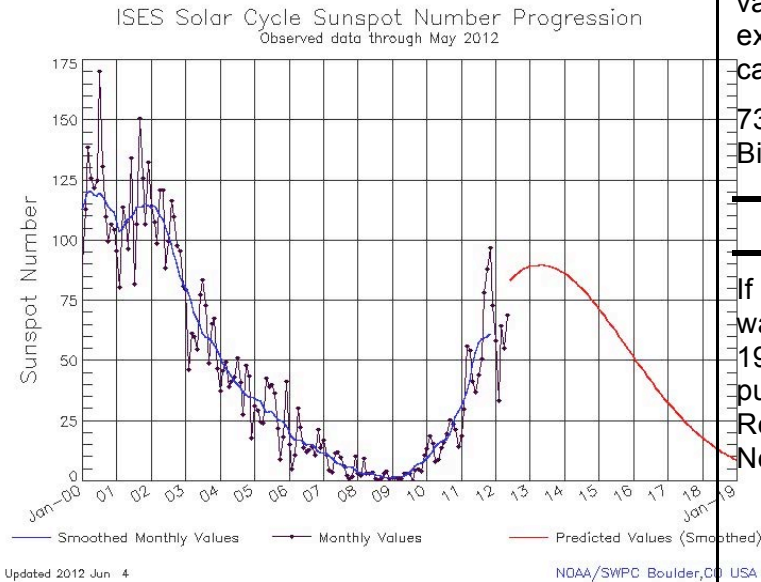
The next Board meeting will be Tuesday, July 3, 2012, at 7:30 PM.

The meeting was closed at 8:17 PM

Submitted by Secretary, Linda Endsley KJ6IHB

What's with Cycle 24 Status?

When 24's highest spot count average peaked in October 2011, bands were hot with lots of good DX. Not so yet in 2012. Cycle 24's count, and 10.7 cm (2.8 GHz) solar radiation are down. Cycle 24's anemic trend is even below the 2009 forecast as shown in the plot.



Bad news... DX is sparse. Chance of a cooler summer, maybe good news. There's more. Better data, advanced sun's structure models and observed behavior, even why we have sunspots is now known.

Many solar and aurora study satellite observatories added since 1996 feed us data. They make up a constellation tasked to monitor/record in real time space phenomena in greater resolution than ever before.

SOHO, launched Dec-1995, is tracking Coronal Mass Ejections (CMEs) from the sun into space.

TRACE, launched Apr. 1998, images five visible + invisible emitted spectral lines and magnetic polarity data from 6000k° to over 4 million degrees temp's.

HINDE/STEREO, Oct. 2006 launch, based on TRACE's success, now makes gives an every side solar view.

SDO, launched Feb. 2010, a solar dynamics observatory, at high resolution, measures surface details in the color-temperature ranges similar to TRACE.

THEMIS satellites group in earth orbit Feb. 2007, are untangling the way solar CME's inject their massive energy into our boreal and austral aurora displays.

With these program names lots of information, images and movies for anyone wanting to watch on-line "space weather" can learn about DX hunting possibilities. Also a great source of fascination are Lapsed time images from ISS on "YouTube".

All the newly found solar and space information, Beyond rapid improved understanding of what our space environment is doing or the new entertainment value, interested licensed hams ability to devise experiments teaches us more about what our hobby can do.

73
Bill K., W6ZJE

May FRC T-hunt report

If you are a mobile transmitter hunting beginner and wanted a simple hunt, you would have liked the May 19 Fullerton Radio Club hunt. Steve Wallis WA6PYE put his transmitter in the parking lot of Coco's Restaurant at Dove Street and North Bristol in Newport Beach. Here are the results:

Team Calls	Odo Mileage
KI6WRU/N6AIN	23.3
N6MJN	24.5
AB6PA/N6BOX/Bill	32.4

The team of Deryl Crawford N6AIN and FRC President Al Solomon KI6WRU won the hunt.

The next hunt may not be so simple, but give it a try anyway. It will be Saturday evening, June 16, starting from Skyline and Acacia in Fullerton at 8 PM, with a continuous signal on 146.565 MHz.

73,
Joe Moell K0OV

Field Day Option

As noted in the Board Meeting minutes, FRC will not be conducting a Field Day activity of its own this year. However, we've been invited to participate in Field Day with the Hospital Disaster Support Communication System (HDSCS) group. Their activity will be held at Huntington Beach Hospital, 17772 Beach Boulevard, Huntington Beach. Activities begin at 11:00 AM on June 23. The group will be using the special events call **W6H** (whiskey six hospital). They will also be sponsoring a GOTA station with the K6MHD call.

AMATEUR RADIO VE TESTING SESSIONS

Contact V.E.: George T. Jacob Jr. N6VNI
Phone Numbers: Home 562 691 7898 Cell 562 544 7373
Email: jac2247@gmail.com Or N6VNI@arrl.net

Sponsoring Club: N6ME Western Amateur Radio Association, Fullerton, CA. "WARA"

Test site location:

La Habra Community Center.
101 W. La Habra Blvd.
La Habra, Ca. 90631

Date and Time:

Third Thursday of every month, @ 6 P.M. unless otherwise noted

Pre-Registration is requested and preferred.

Walk-ins are welcome.

UPCOMING SESSIONS:

Thursday, July 19th, 2012 – 6 pm

Thursday, August 16th, 2012 – 6pm

Thursday, Sept. 20th, 2012 – 6pm

Thursday, October 25, 2012 – 6pm

[ED: Note, our own Gene Thorpe KB6CMO is one of the examiners on this team]

Airport Days

Folks, It's that time again. Fun Time at the Fullerton Airport Day, Saturday, October 6, 2012.

Please save this date..... Your Help is needed for this Fun Event.

Please send me your info ASAP. If you know someone who would like to help out, please pass this info on. Hours: 0730 hrs. to ~1600 hrs. Send to: KB6CMO@ARRL.net

Thanks,

Gene Thorpe, KB6CMO

Antennas in the Park Foxhunting 2012

We had a great turnout on May 12 for Antennas In The Park, which was the first Orange County on-foot transmitter hunt of 2012. Besides the locals, there were hams who drove from San Bernardino, Duarte, Rowland Heights, Nuevo and Westlake Village.

The antenna/attenuator building session filled a big picnic table to capacity. Marvin Johnston KE6HTS ran out of kits, but that didn't deter Robert Haggard AD6XJ. Robert built his yagi from PVC pipe and measuring tape that he brought along with him. Then Robert was one of the many who learned by doing as they tracked down the three

beginner-level transmitters nearby. Others included Bruce Jones WA6STA, Damon Jones KI6HPV, Dave Reinhard KJ6REP, Diane Wainwood KJ6JEJ and Tim Wheeler K6POI.

A programming error on my part made for a very unusual advanced course. Instead of all five transmitters (MOE/MOI/MOS/MOH/MO5) being on the same frequency for one minute each in sequence, they were all on different frequencies in the top two MHz of the band. That resulted in somewhat longer-than-usual competitor times. Here are the results:

<u>Name and call</u>	<u>Time</u>	<u>Foxes</u>
Sherman Lam KJ6PJH	0:56:20	5
Bob Houghton AD6QF	1:06:14	5
Dan Slater AG6HF	2:04:15	5
Chris Sanders KE6BRY	1:05:37	4
Greg Kawasaki WA6NJI	1:49:25	4
Tim Millard KJ6NGF with Sheri Millard	2:13:15	4

Thanks to everyone who came out. Special thanks to April WA6OPS for providing the traditional Worldwide Foxhunting Weekend cake.

Joe Moell KØOV

Event photos on page 5

Community Service Opportunity

Attention All Amateur Radio Operators. The City of La Palma is in need of Amateur Radio Operators to help out with their 4th of July **Run for Fun** event. Please E-mail to: Corporal Les Parsons (KJ6JBS) at LParsons@cityoflapalma.org with your Name, CallSign, & T-Shirt size if you can help out with this event. They need at least 25 or more Amateur Radio Operators for this event. Thank You.

Gene Thorpe, KB6CMO

Free - First come – First Serve

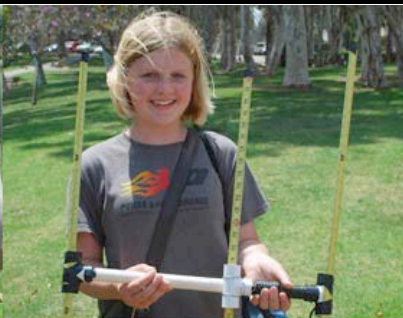
I have been given several items for Hams. They are free, and on a first come, first serve basis.

Some of the items include a 220 MHZ beam, a 70 cm beam, and a 20, 15, and 10 Meter combination beam.

Other items include an Eico 435 oscilloscope, a Heathkit power meter RF Power out and SWR back), an audio generator, a Sabtronic multimeter (direct read-out) and other items of interest.

All are available at my house, 1001 El Mirador Dr. Fullerton 92835. CALL FIRST!

Tom Fiske, AA6TF
714 529 46559



FRC Regular Club Meeting

Third Wednesday of each month
Chapman Activity Center
2515 San Carlos Dr.
Fullerton, CA

Next Regular Meeting
Wednesday, June 20, 2012

Dinner before the meeting at **5:00 PM** at:
Coco's Restaurant, 1011 N. Harbor Blvd.

Meeting time: 7:00 PM

Orange County Council of Amateur Radio Organizations (OCCARO)

www.occaro.org

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FRC Board Meeting

Open to all members

Marie Callender's Restaurant
126 Yorba Linda Blvd., Placentia
First TUESDAY for the month of July.

Next Board Meeting
July 3, 2012

QSO and dinner; 7:00 PM

Meeting: 7:30 PM

Mon. - Fri. 9:00 AM to 6:00 PM
Sat. 9:00 AM to 5:00 PM

Tel: (714) 521-8080
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FRC Web site: www.fullertonradioclub.com

MEMBERSHIP RENEWAL / APPLICATION

Fullerton Radio Club
PO Box 545, Fullerton, CA 92836

(Please Print)

Name #1 _____ Call: _____ Class: _____

Name #2 _____ Call: _____ Class: _____

Name #3 _____ Call: _____ Class: _____

Address: _____ City: _____ State/Zip: _____

Phone #1: _____ Email #1: _____

Phone #2: _____ Email #2: _____

ARRL Member Yes No

Special Amateur Radio Interests: _____

Dues are \$20 per member, or \$25 per family. Students (full time) \$10

Bring your application and dues payment to the next meeting or mail to the above address.