



Smoke Signals

Newsletter of Fullerton Radio Club

June 2014

(Vice) President's Corner

The month of June means many things to all of us. The overcast mornings and hot afternoons, the Summer Solstice, Field Day at the end of the month, the ARRL VHF contest, and, hopefully, the safe return of our "seafaring president".

Again, FRC will not be hosting our own Field Day this year at Hillcrest Park. However, there will be several opportunities around Orange County for club members to participate in Field Day activities. Once again, the Hospital Disaster Support Communications System (HDSCS) group invites all members of the FRC to participate with their field day held at the Huntington Beach Hospital on June 28 and 29. The HDSCS group provides a multitude of activities for both "newcomer" and "seasoned" radio operators. In addition, the hospital group will have a Volunteer Examiner (VE) on site to give Technician exams for those who want to take advantage of the current Technician class question pool that is due to expire this coming June 30 (last chance!). Field day is a great opportunity to "get on the air", meet new friends and participate in an event that develops the communications skills that supports the community in an emergency. Remember, Field Day is the last weekend of the month and starts Saturday, June 28 and continues non-stop through the 29th.

Another great event this June (in fact this coming weekend) is the ARRL VHF Contest (June 14-16). The world above HF during this time of year can often provide some unusual radio propagation (e.g. Sporadic-E openings) and this contest provides a great opportunity to explore SSB on 6 meters (50 MHz), 2 meters and above.



Hopefully, many of you will be able to make it to our monthly club meeting on the third Wednesday of the month. This month on June 18, Walter Clark will present another of his always interesting demonstrations that bring "science to life". Living in the physical world, physics is all around us, yet the concepts and principles of physics are often "obscured" by the mathematics (I have taken three years of Quantum Mechanics and I still do not understand it). While mathematics will always be *the* "language" of physics, eloquent and simple demonstrations can better illustrate what the equations convey. This month, Walter, our resident "Mr. Wizard", is presenting the topic of magnetism. Since we all know the QSOs we transmit are carried by electromagnetic waves, the topic of electromagnetism is of great interest to us. Actually, the magnetic and electric forces are really just two different aspects of a single electromagnetic force. Maxwell's equations constitute the foundation of electromagnetism, formulate electromagnetic wave propagation and are one of the first "unified field theories." However, for all the beauty of Maxwell's equations, we can all use (especially me) good visual examples that "illuminate" the equations and Walter's demonstrations nicely provide this.

Rich
KG6UDD

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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.org

June 4, 2014 Board Meeting Minutes

The June 2014 Board meeting was called to order at 7:30 PM by Vice President, Richard Belansky KG6UDD. Other members present were: Treasurer Gene Thorpe KB6CMO, Secretary Linda Endsley KJ6IHB, Directors Larry McDavid W6FUB, Paul Broden K6MHD, Mike LeFevre WD6AQH, OCCARO representative Robert Gimbel KG6WTQ, and member Cheryl Thorpe KE6TZU.

Minutes from the May Board meeting were reviewed and approved with the correction that Joe Moell K0OV was the speaker for May's general meeting.

Treasurer's Report: Checking Account, \$2633.85. Savings Account, \$3,073.09. A check for the insurance of \$200.00 was written.

Old Business:

The forms for the IRS and Board of Equalization for 2012 were submitted. The IRS and State forms for 2013 have also been completed. The Statement of Information is due every 2 years. Paul will complete instructions and have copies with information as to when forms need to be completed.

New Business:

A new Trustee is needed. Gene Thorpe nominated Albert Solomon AG6OF. Larry seconded. Albert will be in place of Bob Reitzel KD6DA.

Antennas in the Park had a good turnout. The County now owns Tri-Cities Park. A required permit is \$175.00.

Ham Jam at HRO is June 21.

Ads for ham radio related equipment will be in Smoke Signals.

July 1 begins a new pool of questions for the Tech exam.

Walter Clark will be the meeting speaker for the June general meeting. The topic will be magnetism.

The WARA meeting will be at Walter Knott School in Buena Park on Saturday, June 28, 1pm.

The next Board meeting will be Wednesday, July 2.

The meeting was closed at 8:12 PM

Submitted by Linda Endsley, KJ6IHB

May Meeting Information

The June Club Meeting Presentation Information is located on page 3.

Meeting: June 18, 2014. 7:00 PM
Chapman Activity Center
2515 San Carlos Dr., Fullerton

Visitors are welcome.

June Meeting Topic

Presentation by: Walter Clark

- There are important facts in physics that do not follow from intuition or any combination of previously held facts. Some are trivial; some are so amazing that they seem like magic. But most are so familiar we can easily miss the amazement.
- The purpose of this slide show is to reveal the amazing nature of magnetic fields; both the facts overlooked because they are so familiar and the ones well known but not intuitive.
- Equations of the physics are for many people like taking somebody else's word for it. You will be witnesses of the physics not just the taking someone's word for it.



Walter is retired after 31 years with Northrop. His hobby has been airplanes, telescopes, programming and electronics. Those were also his job function throughout that career. While working for the B2 division he was awarded several aerodynamics patents, an optics patent and a patent on an image processing algorithm having to do with finding bad guys. In retirement he prefers the workbench to the desktop and finds enjoyment creating table top demonstrations that illustrate phenomena in physics (especially demonstrations of physical optics using microwaves). His side interests include electronics, R/C airplanes, classical music and the study of economics and liberty.

Ham Jam at HRO

It's mid-May, and HRO Anaheim's annual Ham Jam is right around the corner!

Saturday, June 21 will be a day of ham radio fun. Again the weekend before Field Day, we will offer a variety of interesting seminars and educational opportunities to attendees. This will include checking mobile installations, how-to handheld radio programming, and software hints for programming, contesting, and remote control. We have many returning exhibitors, including the Red Cross, Orange County RACES, Hospital Disaster Support Communication Service (HDSCS), several clubs, various mfr representatives, Gordon West, and other experts who have offered to display/demo/teach and otherwise make our event as informative as possible.

There will be three prize drawings throughout the day, and hot dog lunches to keep you fortified. **TESTING FOR ALL LICENSE CLASSES AT 11AM!** Be sure to call or email the store to reserve space.

Come join us to learn, to see and be seen, to laugh, to eat, and completely enjoy a day filled with everything ham radio!

Kind 73,

Janet Margelli, KL7MF, Manager
Ham Radio Outlet
933 N. Euclid St.
Anaheim, CA 92801

FRC T-hunt report

Steve Wallis WA6PYE was hider for the FRC mobile transmitter hunt on May 17. To find him, the hunters had to drive out the 91 freeway to the Green River exit and then go south to Canyon Crest Drive. Here are the mileages:

<u>Team Calls</u>	<u>Odo Miles</u>
N6MJN	20.0
AB6PA/KG6EEK/Ryan	22.2
WA6CYY	29.1
N6AIN	29.4
N6ZHZ	Unofficial

Dave Balgie, as winner, is scheduled to be hider for the next hunt, which will be on Saturday, June 21. Hunters and ride-alongs will meet at the top of Acacia Avenue in Fullerton for an 8 PM start. The transmitter will be on 146.565 MHz.

73,
Joe Moell K0OV

Communications Exhibition (COMEX) in Costa Mesa

A communication exhibition (COMEX) took place at the Army Reserve Facility in Costa Mesa on the morning of Saturday, June 7, 2014. Members of the Tustin Young Marines and the Army Reserve viewed several displays related to communications, including Amateur Radio. Presenters included Army MARS, Orange County RACES and the Hospital Disaster Support Communications System (HDSCS). At the HDSCS table, Paul Broden K6MHD helped Young Marines to send and receive simulated medical messages, as might happen during an activation of the National Disaster Medical System. Also participating in the HDSCS display and communicating with the youth were Tom Hall N6DGK, Joe Moell K0OV, April Moell WA6OPS and Fred Wagner KQ6Q.

Army MARS established communications on 6 MHz military frequencies using the Reserve Center's large log-periodic antenna. This antenna and its tower, which are clearly visible from the 55 freeway, stood at the Air Force MARS station of Senator Barry Goldwater K7UGA in Arizona during the Vietnam War era and was used to make thousands of phone patches for the troops to their families in the States. After the passing of K7UGA, the antenna came to Costa Mesa through the efforts of a Hughes Fullerton employee who was a ham and a reservist.



73,
Joe Moell K0OV

Classified Ads

- MFJ 941D Versa Tuner. 30 or 300 W selection. 1.8 – 30 MHz. With RF/PWR meter. Balanced and Coax line connectors. With instructions. \$60.00
- ICOM IC-3AT, 220MHz HT. Currently configured with AA Battery pack. 2 Antennas, instructions manual. \$50.00
- Radio Shack HTX-404, 440MHz HT. Currently configured with AA battery pack. Antenna and operator's manual. \$50.00

Note: Both radios will work with the same battery pack. Rechargeable BP-3h is available from Batteries America to fit both radios. (\$29.95)

Contact: Paul Broden K6MHD, 714-815-3185 or pbroden@sbcglobal.net

Field Day Opportunities

Once again, Fullerton Radio Club will not establish and operate field day activities under our own Call Sign. As in the past few years we've not seen sufficient enthusiasm to warrant the efforts of a few members to do the planning, set-up and tear down, only to find a very limited participation from club members during the actual event.

But for those who still enjoy Field Day activities all is not lost. We have invitations from two other groups to join in their field day activities.

HDSCS (Hospital Disaster Support Communication System) will be conducting their annual field day at Huntington Beach Hospital as they have done for the past several years. The hospital is located at 17772

Beach Boulevard, south of the 405 freeway, north of Talbert. The hospital sets off the road, on the east side of Beach Boulevard.

A VE Exam session will be offered at 1:00PM. Call Ken Simpson W6KOS at 714-651-6535 for reservations (a must!). This will be the last opportunity to take the Technician class exam with the old/current question pool. A new pool of exam questions will be released for all exams beginning July 1.

OCARC Orange County Amateur Radio Club will be holding their Field Day at the Walter Knott Elementary School, 7300 La Palma Ave, Buena Park (south side of La Palma, west of Western Avenue (behind Knott's Berry Farm). Contact Tim Goeppinger, 714-730-0395.

FRC Regular Club Meeting

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

Next Regular Meeting
Wednesday,

June 18, 2014

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

FRC Board Meeting

Meeting time: 7:00 PM
Open to all members

Marie Callender's Restaurant
126 Yorba Linda Blvd., Placentia
First Wednesday of each month.

Next Board Meeting
July 2, 2014

QSO and dinner; 7:00 PM

Meeting: 7:30 PM

MEMBERSHIP RENEWAL / APPLICATION

Fullerton Radio Club
PO Box 545, Fullerton, CA 92836

(Please Print)

Name #1 _____ Call: _____ Class: _____

Name #2 _____ 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.