



# Smoke Signals

## Newsletter of Fullerton Radio Club

### January 2016

#### January Meeting Presentation

##### D-STAR Presentation

This is a very high level, "quick primer", presentation wherein a brief introduction to and description of the PAPA System (Pocket Auto Patch) along with a brief outline of the facilities available to its supporting members.

The presentation will also discuss D-STAR technology, what it is, available capabilities, properties, and how a communication between points "A" and "B" might occur. Steps to take on purchasing a new D-STAR Radio including the D-STAR unique (additional) radio programming (at a very high level) are also noted.

Brief mention will be made of how D-STAR has been utilized in emergency communications. The Low-Speed data capability available with a D-STAR radio will be noted. In addition to the Low-Speed data mentioned, a high-speed data transmission capability that is available will be discussed, again at a very high level.

Discussions of D-STAR at the "1's" and "0s" or "bit" level is the subject of a much more detailed presentation at another time and place.

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Presentation by:

Ed Kane, W6ONT, currently holding an Extra Class Amateur Radio license was first licensed in 1956 as a novice with an WN3 call sign. While the effective date of the extra class licensing is unclear, he did pass the 20 WPM CW proficiency test at the Long Beach FCC Office.

In 1962 Ed began working for the Douglas Aircraft company. He retired from The Douglas Aircraft Company/McDonnell Douglas/The Boeing Company in 2011 as an Associate Technical Fellow. For 48 years he was an Antenna, Radome, Electromagnetics Design Engineer responsible for the antennas and antenna systems installed on Transport Category aircraft produced in Long Beach, CA.

Although retired Ed continues to design, test, and analyze antennas. He experiments with real life antennas and models thereof trying to get correspondence between a NEC 4 model and a physical model of the same antenna.

Ed is an Adjunct Physics Professor teaching undergraduate Juniors and Seniors Circuit Theory and Analysis. Other endeavors include activities on the HF band (both Phone and CW), EmComm (RACES), and some VHF and UHF. In early 2007 Ed ventured into the D-STAR domain, obtained a D-STAR repeater and it has been on loan to the PAPA system. This repeater has been operational on Saddle Peak since 2007.

Ed also writes PC programs to measure and analyze measured antenna impedance and radiation pattern data.

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### FRC January Club Meeting

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**Wednesday,  
January 20, 2016**

#### Chapman Activity Center

2515 San Carlos Dr.  
Fullerton, CA

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

**Meeting time: 7:00 PM  
Visitors are welcome**

## Board Meeting Minutes

### President

Albert Solomon, AG6OF  
Phone: (714) 348-7938  
E-mail: [billpreston@roadrunner.com](mailto:billpreston@roadrunner.com)

### Vice President

Walter Clark  
Phone: (714)-882-9647  
E-mail: [walterclark@roadrunner.com](mailto:walterclark@roadrunner.com)

### Secretary

Linda Endsley, KJ6IHB  
Phone: (714) 992-4645  
E-mail: [lindiend@sbcglobal.net](mailto:lindiend@sbcglobal.net)

### Treasurer, Public Service, Membership

Gene Thorpe, KB6CMO  
Phone: (714) 680-4258  
E-mail: [kb6cmo@juno.com](mailto:kb6cmo@juno.com)

### HDSCS

April Moell, WA6OPS  
Phone: (714) 879-6895  
Emergency Coordinator, HDSCS  
E-mail: [emcom4hosp@aol.com](mailto:emcom4hosp@aol.com)  
[www.hdscs.org](http://www.hdscs.org)

### T-Hunt

Joe Moell, K0OV  
<http://www.homingin.com>  
E-mail: [homingin@aol.com](mailto:homingin@aol.com)

### OCCARO Representatives

Robert Gimbel, KG6WTQ

### License Trustee

Albert Solomon, AG6OF  
Phone: (714) 348-9097  
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### Directors

Larry McDavid, W6FUB  
Phone: (714) 630-5672

Robert Gimbel, KG6WTQ  
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Mike LeFevre WD6AQH  
Phone: (714) 674-7687

Richard Belansky, KG6UDD  
Phone: (714) 970-6385

### Director & Newsletter Editor

Paul Broden, K6MHD  
Phone: (714) 871-9478  
E-mail: [pbroden@sbcglobal.net](mailto:pbroden@sbcglobal.net)

### 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.

The January 6, 2016 FRC Board meeting was called to order by President Albert Solomon AG6OF at 7:30pm. Present: Vice President Walter Clark, Treasurer Gene Thorpe KB6CMO, and Secretary: Linda Endsley KJ6IHB, Director:s Richard Belansky KG6UDD, and Mike LeFevre WD6AQH, and members Cheryl Thorpe KE6TZU, Bill Preston KZ3G.

Minutes of the December Board meeting will be included in the January minutes.

Treasurer's report: checking - \$1,959.22, savings - \$3,074.04 (of which \$1,000.00 is for the Kohlenberger memorial. Deposited \$1,020.00 from dinner/raffle/dues.

### Old Business:

Please send in membership renewals for 2016

### New Business:

The Christmas dinner was well attended. Many raffle prizes were given out.

The \$60.00 safe box fee was paid.

Made \$1,330.32 from Hamcon (minus the \$200 seed money)

Next board meeting: 03FEB2016

Adjourned at 8:46 pm

Submitted by Linda Endsley KJ6IHB

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The December 2, 2015 FRC Board meeting was called to order by President Albert Solomon AG6OF at 7:30pm. Present: Treasurer Gene Thorpe KB6CMO, Secretary: Linda Endsley KJ6IHB, Directors: Larry McDavid W6FUB, Richard Belansky KG6UDD, Robert Gimbel KG6WTQ, Paul Broden K6MHD, and member Cheryl Thorpe KE6TZU.

Minutes of the November Board meeting were reviewed and approved  
2016 renewal time is approaching

### Old Business:

Need officers for 2016

### New Business:

Christmas dinner: 18DEC2015 @ Marie Callender's.

Next board meeting: 06JAN2016

Adjourned at 8:00pm

Submitted by Linda Endsley KJ6IHB

## On-foot transmitter hunt at Bonelli Park 1/23/16

The first southern California on-foot radio direction finding session of 2016 will be Saturday, January 23 at Frank G. Bonelli Regional Park. The emphasis in this session will be training to help you improve your bearing-taking, map-reading, navigating and course-planning skills. Experts will be on hand to help you. This is the first of three sessions for those preparing to compete in the 2016 USA ARDF Championships in Texas during April. But all are welcome, whether or not you're planning to go to the championships.

You can try your hand at some easy two-meter transmitters set by Joe Moell K0OV plus a 5-fox two-meter international-rules course of beginner-to-moderate difficulty, set by Marvin Johnston KE6HTS. One or more fox transmitters on the 80-meter band may also be set up to try, as well as a foxing course.

If you have receivers, scanners, directional antennas, attenuators, or other equipment suitable for on-foot RDF, be sure to bring it. Make sure all batteries are fresh. A limited amount of RDF gear will be available for loan.

For those who want to build RDF gear for use with their own two-meter hand-held radios or scanners, Marvin will have kits for measuring-tape yagis and active attenuators. There will be tools and soldering stations for building. Send e-mail to Marvin ([marvin@west.net](mailto:marvin@west.net)) to pre-register and get more information about equipment. The building session will only take place if there are sufficient advance registrations. If you already have equipment and just want to hunt transmitters, you don't need to pre-register.

If it takes place, the building session will start at 9:30 AM. Please be prompt. Beginner transmitters will be on the air at that time. The main 5-fox hunt will start about 10:30 AM. Hunters may start the courses at any time until 1 PM. Courses close at 3 PM.

For the advanced 2-meter course, electronic scoring will be used. There will be "e-sticks" for loan, but if you have one of your own, be sure to bring it. A \$5 donation is requested for the advanced course to cover expenses related to the use of Los Angeles Orienteering Club's e-punch equipment and maps. The beginner course and the 80-meter transmitter hunt are free of charge and e-punch is not required for them.

Trails are primitive in some areas of the park, so wear sturdy shoes. All ages are welcome, but young children must be accompanied by an adult at all times.

Bonelli Regional Park is near Raging Waters, Brackett Field, and Puddingstone Reservoir. From the 57 freeway north of I-10, take the Via Verde exit and go east through the entrance to the park. There is a \$10 per vehicle entry fee. Go approximately 1/4 mile beyond the entrance and turn left into the parking lot for the Snack Shoppe (formerly the bike rental stand). Look for the orange-and-white orienteering flag directing you to the starting area. Talk-in is on 146.97 MHz simplex.

73,  
Joe Moell K0OV

### Needs for Smoke Signals

We've been requesting input from all Club members for inclusion in Smoke Signals with limited success. Well, let's try again to begin a new year, only this time I'll try to describe more of what we are looking for. You can be creative, send by email, in nearly any format (I can extract or copy directly), with focus on what is going on in your Ham world. Here's some ideas.

- Projects you are working on; including description, status and photos of the work. Something you're building, repairing, experimenting. How about something from the TAG group?

- Any new equipment you've tried? How about an evaluation report.
  - New antennas and performance reports.
  - Recent DX and band openings. Who have you heard and/or worked?
  - 10-10 activity
  - Community service activities and opportunities. Not just the needs, but results as well.
  - Classified ads (open to members only, with stuff related to hams and radio). We need full description of the item, offer price and contact information.
  - VE sessions; plans and outcomes. Include exam update information.
  - T-Hunts and results (this is one of our regularly received inputs. Thanks)
  - Messages from Board members in addition to the President's message
  - Anything else you can think of.
- It's your Club. What can YOU provide?

## Annual Jr. Tennis Tournament

It's that time of the Year again!!! Fullerton Jr. Tennis Tournament Time is Here Very Soon.

Jan. 30 & 31, 2016 and Feb. 6 & 7, 2016 are the Dates for this Year's Event. We need 36 Amateur Radio Operators for this Event so far. Please Contact Gene Thorpe [KB6CMO@Juno.com](mailto:KB6CMO@Juno.com) with Name, Call Sign, Phone#, Date(s)/Time(s) available.

## President's Message

Hello everyone,

It is the year 2016 and time to start a new. How was everyone's holiday season? Mine was great. Now being it is the new year we have a new board (or at least a few changes to last years) and so I would like you all to come out to the meeting on the 20th and show your support for them. We would also like you to invite a friend to the meeting, we want to see this club grow and it starts with you. Also we had a wonderful board meeting in which we talked about growing the club, getting speakers for the general meetings and growing the newsletter. Our new VP Walter Clark has suggested creating a list of speakers from past meetings as well as going to other clubs in the area and getting

there input and possibly making a shared list for a group of clubs such as what OCCARO had maintained at one point. In order to do this we need the input from you the membership as well as if you are part of another club to talk with them and see if we could make this happen. We hope that it will bring more people out to the meetings if we have great speakers. Also we would like to contact as many HAMS in the area as we can to invite them to the club. In order to do this we need to know who they are so if you can help with this we will be talking about it at this months meeting. Now one last thing is the news letter. First I will like to thank Paul K6MHD for all the work he does to put it together each month for all of us. I'm sorry to admit but as you may have noticed the President's message has been missed in a

few issues, that is my fault as I didn't send them in when they were due. Hopefully that will change this year, but that is not all that i would like to see change, if you have anything that you would like to share in the newsletter please send it in. We would like to see what make the members of the club tick. Say you have a show and tell, take a picture and write up an article about it. Did an interesting project?; let us know. This club is yours and we need you to make it great, the board is only here with your support and like any structure a good foundation is needed or it will fall. Well I sincerely hope that this year will be great and we will be able to have fun. See you all soon.

Albert Solomon AG6OF  
President

## Reminder

It's a new year and Club membership dues are due. Membership dues payments are in arrears for many of you. Some haven't been paid members since 2011. We will be reviewing the membership list, and those who have not paid membership dues will receive personal reminders. Continued non-payment may result in removal from membership roles and from receipt of Smoke Signals.

### 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 abo**

CLAREMONT AMATEUR RADIO SOCIETY

Presents:

An AMATEUR RADIO SWAPMEET  
DATE: 3<sup>rd</sup>. SATURDAY OF THE MONTH  
START DATE: JANUARY 16, 2016

TIME: 6 AM – 11 AM

NO ENTRY BEFORE 6 AM



LOCATION: GRANITE CREEK COMMUNITY CHURCH  
ADDRESS: 1580 N. CLAREMONT BLVD. CLAREMONT, CA 91711

THE SWAP MEET WILL BE HELD IN THE PARKING LOT  
ADJACENT TO THE CHURCH. Granite Creek Community Church is not  
involved in this event beyond the use of the parking lot. Claremont Amateur  
Radio Society is the sole sponsor of the event.  
(Please see contact information below)

ENTRY IS FREE TO VISIT

ALL PARTICIPANTS MUST HAVE VACATED THE AREA NO LATER THAN  
11:00 AM  
NO EXCEPTIONS.

SELLERS \$10.00 PER SPACE  
SELLERS ARE RESPONSIBLE FOR CLEANING THEIR IMMEDIATE AREA BEFORE LEAVING.

PLEASE BE RESPECTFUL OF YOUR SURROUNDINGS BECAUSE THIS SWAPMEET IS IN A  
RESIDENTIAL LOCATION.

THIS IS CONSIDERED AN ELECTRONIC RELATED EVENT, SO PLEASE CONSIDER WHEN  
BRINGING ITEMS FOR SALE. ONLY BRING ITEMS RELATED TO AMATEUR RADIO,  
ELECTRONICS, COMMUNICATIONS, PARTS AND MATERIALS THAT ARE OR CAN BE USED  
FOR THESE ACTIVITIES.

All interaction is private between attendees and C.A.R.S. takes no  
responsibility for transactions conducted during this event.

IF ADDITIONAL INFO IS NEEDED PLEASE CONTACT:  
KG6ABF @ YAHOO.COM  
C.A.R.S. Chairperson/Event Coordinator