



Smoke Signals

Newsletter of Fullerton Radio Club

November 2019

November Club Meeting Presentation

Tom Gaccione will present at the November meeting. He will be talking about the recently installed Wildfire alerting system, how it works, and how we will use it to guide fire response and simulate/ plan for future firefighting. He'll then diverge slightly and talk about wildlife in the Big Bear area and, as it's all tied together, an update on some renewable energy systems.

IT'S ELECTION TIME!

December is the month in which we elect club officers for the coming year. The slate of candidates is empty this year for some critical offices. It has been typical in the past that we have difficulty in identifying a candidate that will run for Vice President, but in addition this year we still do not have a candidate for President. We are legally registered as a Corporation within the State of California, and have been so since 1950, and one of the absolute requirements for maintaining our Corporate status is that we must have a President (or CEO, or what ever we want to call the executive officer). Therefore, we're in need for nominations for President (and Vice President) from the floor, or volunteer candidate(s) at the December club meeting. Remember, nominations **MUST** be with the agreement of the candidate. As it has been said multiple times; It's YOUR club! Who is willing

to serve in these positions? President is not a killer job. Board meeting once each month. Presiding over regular club meeting monthly. Some additional communication with board and members, plus input to Smoke Signals. Some administrative tasks – shared with other board members – from home.

The Vice President serves as Program Manager, and is responsible for the procurement of speakers or other program material for the monthly meetings. But this speaker procurement job is now **shared** with other Board members and the general club membership.

Please be prepared to VOLUNTEER, or nominate someone who is ready and able to serve. We **MUST** have a club President elected for year 2020 by no later than December 31 of this year.

Also, we'll need a quorum of paid and Life members at the meeting for the vote to be official. That's a minimum of 7 members.

The current slate of nominees is: (as of November 15, 2019).

President: TBD; floor nominations accepted
Vice President: TBD; floor nominations accepted

Secretary: Linda Endsley
Treasurer Gene Thorpe

Board Members at Large:
Richard Belansky
Paul Broden
Walter Clark
Robert Gimbel
Bob Houghton
Larry McDavid

Fullerton Radio Club
P.O. Box 545, Fullerton, CA 92836-0545

Board of Directors

President

Larry McDavid, W6FUB
Phone: (714) 630-5672
Email: lmcdavid@lmceng.com

Vice President

TBD
(This could be YOU)

Secretary

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

Treasurer, Public Service, Membership

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

Members At Large

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

Walter Clark
Phone: (714)-882-9647

Robert Gimbel, KG6WTQ
Phone: 714-657-2862

Bob Houghton AD6QF
Phone: (714) 446-0520

Paul Broden, K6MHD
Phone: (714) 871-9478

Volunteers

T-Hunt

Joe Moell, K0OV
<http://www.homingin.com>
E-mail: homingin@aol.com

W6ULI License Trustee

Albert Solomon, AG6OF
Phone: (714) 476-9638
E-mail: albertsolomon18@gmail.com

Newsletter Editor

Paul Broden, K6MHD
Phone: (714) 871-9478
E-mail: 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.

Web site: www.FullertonRadioClub.org

November Club Board Meeting Minutes

The November 2019 FRC Board meeting was called to order at 7:30pm by President Larry McDavid W6FUB. Others present: Treasurer Gene Thorpe; KB6CMO; Secretary Linda Endsley KJ6IHB; Board Members, Bob Houghton AD6QF, Richard Belansky KG6UGG, Walter Clark, Robert Gimbel KG6WTQ; Member: Cheryl Thorpe KE6TZU

Minutes were approved.

Treasurer's report: Checking - \$3,929.42; Savings - \$2,608.18.

New Business:

There are: 3 Lifetime members and 33 paid members.

Wed, Dec 18, 6:30 pm, Christmas dinner will be at the Black Bear Diner. We need a count for the Christmas dinner for the staff.

Will have the election of Board members at the general meeting. Need candidates for president position.

Approved \$250.00 for raffle items at the Christmas dinner.

Domain name is paid through 2023. Approved to reimburse Bob Houghton \$96 for web renewal.

Larry paid \$110 to move the Yahoo group to Yahoo IO group. Approved to reimburse Larry. Yahoo groups were bought by Verizon and will close regular Yahoo groups.

Next board meeting: 4 DEC 2019

Adjourned at 8:15 pm

Submitted by Linda Endsley KJ6IHB

Holiday Dinner Meeting & Raffle

With the demise of Marie Calender's Restaurant, we will hold our annual FRC Christmas Dinner at the Black Bear Diner on Harbor Boulevard just south of Brea Boulevard (1011 N. Harbor Blvd.) at **6:30 pm on Wednesday, December 18.** Note this is on Wednesday, our regular meeting night, not on the Friday following as in the past.

Also, Black Bear Diner wants those attending to order from their regular menu; they have no special event menu. So, you will have a wider choice of food and desert and you will pay individually at their register.

In the past, we have collected menu choices and the dinner cost in advance by postal mail. Gene Thorpe still needs to tell Black Bear Diner how many will be at our Christmas Dinner so they can staff appropriately. So, it is important you inform Gene of your plan to attend the dinner this year. **Please send Gene an email confirming your dinner attendance at his email: kb6cmo@juno.com. Gene will need your reservations by no later than December 14** so he can make appropriate reservations count with the restaurant.

We will have our usual opportunity drawing raffle, and we will be in the back room at the restaurant. Please mark your

calendars for this regular Fullerton Radio Club event, just at a new location and on a new day (our regular club meeting day) and date.

In the past, we have also collected club membership renewal dues with the Christmas Dinner reservation and payment. Since you won't pay for the dinner in advance, you will need to renew your membership and pay the 2020 dues directly to Gene. Please see the renewal form at the end of this Smoke Signals. Please be attentive to this!

Best wishes,

Larry McDavid W6FUB

CalFire and Amateur Radio Repeaters Posted October 5, 2019

Have you heard reports claiming that "California declares Ham Radio no longer a benefit, severs ties across state" and "CalFire is causing removal of ham radio emergency communications infrastructure from entire State of California?" Our ARRL Pacific Division Director, Jim Tiemstra, K6JAT, offers the following facts that explain the issue that has arisen with few amateur repeaters on CalFire premises that have not properly identified their association with local emergency support.

"The State of California has not made any determination we can find 'that Ham Radio [is] no longer a benefit.' What happened is that CAL FIRE has transferred responsibility for its communications sites to its property management department. That department has the task of evaluating each site, its condition, use and tenants. If a repeater not known to be associated with the emergency management function of a local jurisdiction is found in a CAL FIRE vault, the default action is to move it out or subject it to commercial rental rates."

"Our contact in the California Office of Emergency Services suggests that, if any affected repeater is in any way involved with local emergency or government support activity, they should ask that agency to engage with CAL FIRE concerning the repeater. If the agency makes the case, there is a good chance that the repeater will be unaffected."

"Their advice is not to elevate this to State Legislators or the Governor's office. In Southern California, wherein sites managed by the U.S. Forest Service have required repeater owners to post bonds to cover the dismantling

of their sites if they cease modification of terms to help 73, Jim Tiemstra, K6JAT, Pacific operation. Negotiation has mitigate the short-term financial Division Director resulted in considerable easing of impact on those repeater the original requirements and a owners."

Activity Reports of the Fullerton Radio Club (Technical Advisory Group) for November 2019

This was actually, a special meeting of the Technical Advisory Group. The club membership has been holding steady as is attendance at the meetings. It's leadership that is the problem. No one wants to be club President. In addition, lack of vigilance has let slip some awkward situations with the club bank account and its standing with the IRS. At the meeting were club members Larry McDavid, Tom Gaccione, Bob Houghton, Joe Moell, and Walter Clark. Walter was host but less involved with this important discussion. It was his observation at the end, that this particular meeting is an example that organization can take place without anyone one person being in charge. Nor was there a written agenda of items to discuss. His point being that it is not the functioning of the club that needs a President. The requirement is for a person's name to appear on a form to satisfy some government regulation; a regulation which is clear and to which we must respond.

Walter suggested breaks within this special meeting in the form of the more traditional role of TAG which is to go around the room and talk about projects.

TAG Meeting Presentations

Bill Webb is taking a 3D-printing class at a College near where he lives so was unable to make it in person. But he created a Power Point slide show for us that was accessed by way of Microsoft's OneDrive. This is the second such presentation and he's getting quite good at it. Here is the very slide show we saw with Walter's projector. <https://1drv.ms/p/s!AmXKqAwyCrbxiMleKbx-j1D2Xcb9ig?e=YGVbGb>

The subject of his presentation for those of you who don't want to click on the link, is Photogramatry and in particular 3D scanning of actual objects to be digitized.

- One method was to project an array of dots on the target and measuring the displacement of the image of those dots taken from a different point of view. This is expensive but intantanous.
- The method Bill described was much more labor intensive but down right magical in the mathematics involved. One takes hundreds of pictures of the object from hundreds of points of view
- The two programs involved with the hundreds-of-pictures method are Meshroom and Blender. They are listed as links in the last slide.

The audio is Bill speaking the words that are on the screen but then he talks a bit more about the subject.

If this will be your first use of "The Cloud" you may be hesitant to click on the above. The best advice is to not think of it as anything other than an instant website on the internet that behaves like just another file on your own hard disk. Notice you don't need a password or even have downloaded OneDrive to see it. What makes OneDrive different than just a pretend place on your own hard disk is that it can be encrypted so only you can

use it. There's many levels of security in your use of the cloud. This is obviously the lowest security and it will disappear in about a month.

Here's a OneDrive presentation Walter put together that includes loading the slide show into the cloud. That presentation is available here: <https://1drv.ms/p/s!AmPDct-g12VuiCWu1Ei33BzNCB3y?e=yQKqEs>

Going Around the Room

The meeting, being special, was not attended by the regular folks. But the special committee did have some technical things to share.

Larry McDavid took the opportunity to talk about the politics of yahooGroups and a new one that is taking over the market; groups dot io. Larry's *show and tell* this night, was little reference flags used by geologists. He bought so many he was happy to give them away to the rest of us.



Joe Moell reported hearing from former member Kent Gardner WA7AHY. Kent has been living in South Ogden, Utah for the past 15 years and is Librarian/Historian of the Ogden Amateur Radio Club. He has also served as President of this club, which will celebrate its 100th anniversary in 2021.

Joe also initiated a discussion on the theory and failure modes of motion detectors. A motion detector in Joe's home security system failed and caused in a visit from the police at 3:30 AM one night in September while Joe and April were cruising in Alaska. Upon returning home, as a test, Joe removed the offending detector and put it in a closed drawer, where it continued to occasionally send false motion trips to the panel.

Bob Houghton showed us his new Yaesu FT-3 and talked about its virtues. He passed it around. Walter who is totally oblivious to the operation of a ham radio was impressed by the touch display which was in color.

Tom Gaccione has been overwhelmed with house exterior remodeling, girlfriend medical recovery, and club regulatory issues. He was so much involved with the latter at the meeting Wednesday, he forgot to take his turn doing the regular activity of TAG; to talk about some interesting scientific things he's been following. So here's his written report...

"Preliminary analysis of the recent Ridgecrest earthquake data is showing researchers that things are far more complicated than they thought in the field. This is shaping up to be (at least for California) one of the most closely studied earthquakes because they have never had so much data before. Between new seismic sensors installed over the last several years, satellite imagery, and its location near adjacent faults, the quake is forcing

seismologists to rethink current seismic understanding. Having occurred in a vast open area free of cover and buildings, and nearby to volcanic activity, as well as the very long Garlock fault, I will definitely be spending more time in the area.”

Ham Radio Support for Orange County Hospitals

A mutual assistance task force of Mission Viejo ARES/RACES and Laguna Niguel Auxiliary Communications Service members formed earlier this year to provide backup emergency communications for south Orange County hospitals. The ARRL Orange Section Emergency Coordinator has requested that this group expand its mandate to cover all of Orange County as an ARES unit. The original name of this group was South Orange Hospital Emergency Amateur Radio Team, or SOHEART for short. It will now be known as Orange County Hospital Emergency Radio Team, or OCHEART.

David Gorin KB6BXD is the appointed Emergency Coordinator for OCHEART, which holds a monthly net on fourth Wednesdays at 1900 hours on one or more of these repeaters (no net in November/December):

WR6AAC 224.22 PL151.4

K6QEH 146.97 PL136.5

K6SOA 447.180 PL131.8

If you are interested in helping OC hospitals in communications failures, you are invited to check into this net to receive more information. You can also contact David Gorin directly (714-742-4891, davidjgorin@gmail.com). Please note that this is NOT a continuation of the former Hospital Disaster Support Communications System (HDSCS). Instead, it is a new ARES group that is forming with the mission of supporting Orange County medical facilities.

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.