



## Cathay August 2018

[www.cathayradio.org](http://www.cathayradio.org)

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**Mission:** The Cathay Amateur Radio Club is basically an active social club of Ham Radio Operators and their spouses. We support local community requests for HAM emergency communications. Several of us are trained in CPR/ First Aid and are involved with community disaster preparedness.

**Monday Night Net Time:** 9 PM Local Time/PST,  
Repeater: WB6TCS - RX 147.210, TX 147.810, Offset +0.6 MHz, CTCSS/Tone PL100 Hz

Please note: Repeater: N6MNV UHF 442.700 Mhz, Offset +5MHz, CTCSS/Tone PL 173.8 Hz in South San Francisco is cross linked every Monday Night Net at 9 p.m. to WB6TCS 2 meter repeater.

The CARC Monday night net is the best way to find out the latest club news. All check-ins are welcome.

**Message from the President:** George Chong, W6BUR

Hello CARC Members and Friends;

Many thanks to Mr. Denis L. Moore – WB6TCS for the use of his repeater for our CARC Monday Night Net.

Gosh, this summer has been punctuated by huge fires in Northern California. The current deadly CARR fire is a grim reminder of our recent Tubbs fire in Santa Rosa.

It is another wakeup call for us HAMs to have a prepared bug out bag with a fully charged and working HAM radio.

## **SARES/CARC ARRL Field Day June 23, 2018 Picnic Summary Part II**

To recap, this 2018 SARES/CARC ARRL Field Day Picnic was a huge success. It was one of the most highly attended field day event and ranks among the most HAM Radio contacts made. We thank the Sunnyvale Fire Station #2 for letting us setting up our HAM equipment and running Field Day on both Saturday and Sunday on June 23-24, 2018. The facilities at the Sunnyvale Fire Station were excellent, plenty of tables/chairs, air condition rooms, full restroom, electricity, Barbeque station, ice machine, refrigerator..... there was nothing more could we ask for. The firemen really welcomed us and open their Fire Station#2 just for us.

This August CARC 2018 issue contains the overflow of pictures that we were not able to fit into the July issue due to size constraints.

## **HAM Tech Session Introduction**

Edison Fong – *WB6/QN* is hosting his annual HAM Tech Session in Sunnyvale from 12-3pm on Saturday September 8, 2018. This HAM Tech Session will be well attended because it will be a HAM Radio Performance Evaluation.

Bring your portable HAM Radio and see how it compares to other commercially available Ham Radios

This event is open to all HAMs, guests, and interested parties. Free lunch will be provided along with a special learning/educational session that will be concluded with a fun raffle that you should not miss.

## **Silent Key**

I am very sorry to report that CARC Member, Bill Jeong - *KJ6WGX* has passed away on Friday June 20, 2018 at the age of 70. He was born on June 11, 1948.

Bill Jeong, beloved husband to Sharon and father to his children: Cynthia and Michael. He was the son of immigrant Chinese parents who owned and ran a liquor/grocery store on Broadway Street in San Francisco and was the eldest of three brothers (William, Kenneth, and Arthur).



Bill was very active with his children's school Parent Teacher Association, a board member with Chinese for Affirmative Action, an active volunteer with the Red Cross, and an advocate for SFFD NERT (Neighborhood Emergency Response Team).

Bill also dedicated part of his life with Self Help for the Elderly, the usher team at San Francisco Bible Church (SFBC), and for a period of time he taught Junior High Sunday School class at SFBC. William volunteered with the Santa Clara Vanguard's Drum and Bugle Corps Cadets and was also one of seven founding members of the SF Renegades Drum and Bugle Corps.

To help out with medical and funeral expenses, Bill's family has set up a GoFundMe account: <https://www.gofundme.com/WilliamJeongFund>

### **CARC Final Wrap-up News**

I wish to thank our CARC members that set aside their valuable time to participate in our Monday night's nets.

Chat sub s'em to all you CARC members! - George W6BUR.

## Public Service Announcements

### **HAM CRAM / HAM Licensing**

For upcoming HAM Licensing locations please refer to:

<http://www.arrl.org/find-an-amateur-radio-license-exam-session>

### **Auxiliary Communications Service (ACS)**

The Auxiliary Communications Service (ACS) was organized by the San Francisco Office of Emergency Services (OES) following the 1989 Loma Prieta Earthquake to support the communications needs of the City and County of San Francisco when responding to emergencies and special events.

The Auxiliary Communications Service holds General Meetings on the third Tuesday of each month at the San Francisco Emergency Operations Center, 1011 Turk Street (between Gough Street and Laguna Street), from 1900 hours to 2100 hours local time. All interested persons are welcome to attend.

The ACS Net begins at 1930 hours (7:30 p.m.) local time each Thursday evening, on the WA6GG repeater at 442.050 MHz, positive offset, tone 127.3 Hz. The purpose of this net is to practice Net Control skills, practice checking in with deployment status in a formal net, and to share information regarding upcoming ACS events. Guests are welcome to check in. ACS Members should perform Net Control duty on a regular basis. On the second Thursday of each month, the net will be conducted on the output frequency of the WA6GG repeater, 442.050 MHz no offset, tone 127.3 Hz, simplex.

For more information, please attend an ACS meeting or check in on a net, or call 415-558-2717.

Upcoming meetings:   Tuesday 7pm, August 21, 2018  
                                  Tuesday 7pm, September 18, 2018  
                                  Tuesday 7pm, October 16, 2018

### **Gilbert Gin (KJ6HKD)**

Free Disaster Preparedness Classes In Oakland:

<http://www.oaklandnet.com/fire/core/index2.html>

CORE is a free training program for individuals, neighborhood groups and community-based organizations in Oakland. The underlying premise is that a major disaster will overwhelm first responders, leaving many citizens on their own for the first 72 hours or longer after the emergency.

If you have questions about the recertification process, you may contact the CORE Coordinator at 510-238-6351 or [core@oaklandnet.com](mailto:core@oaklandnet.com).

## Free Disaster Preparedness Classes In San Francisco – NERT Taught by San Francisco Fire Department (SFFD).

<http://sf-fire.org/calendar-special-events>

Upcoming events

### August

- 11 2MCM Ham Radio practice
- 13 **SFPUC Drinking Water Training – 6p to 7:30p (newly added)**
- 18 NERT Training Day - Third Saturday

### September

- 8 2MCM Ham Radio practice
- 12 NERT Quarterly
- 15 NERT Training Day - Third Saturday
- 29 SFPD ALERT

### October

- 13 2MCM Ham Radio practice
- 20 NERT Citywide Drill, NERT graduates and victims needed

### November

- 7 NERT Quarterly Meeting – All NERTs Welcome
- 10 2MCM Ham Radio Practice
- Spreckels Lake in Golden Gate Park – no RSVP Needed
- 17 NERT Training Day – Third Saturday

RSVP to [sffdnert@sfgov.org](mailto:sffdnert@sfgov.org) or call 415-970-2024 to register.

**\*SFFD DOT** is the Fire Department Division of Training. All participants walking, biking or driving **enter through the driveway gate on 19th St.** between Folsom and Shotwell. Parking is allowed along the back cinderblock wall.

Visit [www.sfgov.org/sffdnert](http://www.sfgov.org/sffdnert) to learn more about the training, other locations, and register on line. Upcoming Special NERT Events.

## **San Francisco Police Department: Auxiliary Law Enforcement Response Team (ALERT)**

The Auxiliary Law Enforcement Response Team (ALERT) is a citizen disaster preparedness program designed. The ALERT program is for volunteers 16 years of age or older, who live, work, or attend high school in San Francisco.

Graduates of the San Francisco Police Activities League (P.A.L) Law Enforcement Cadet Academy are also eligible to join.

ALERT volunteers will first complete the Fire Department's Neighborhood Emergency Response Team (NERT) ([www.sfgov.org/sfnert](http://www.sfgov.org/sfnert)) training and then graduate into an 8 hour Police Department course specifically designed for ALERT team members.

ALERT members will work closely with full-time and/or Reserve Police Officers in the event they are deployed after a disaster. The Basic ALERT volunteer will have no law enforcement powers other than those available to all citizens.

### **SFPD ALERT Training**

The next SFPD ALERT training class has been scheduled for Saturday September 22, 2018. The class will be held at the San Francisco Police Academy, in the parking lot bungalow, from 8am-5pm (one hour lunch break) on Saturday.

**\*\*** Class dates indicated in red are only for new members who have not completed either SFPD NERT training or the SFPD Community Police Academy.

**IMPORTANT-** All participants must complete the background interview process in order to be eligible to attend the ALERT training class.

Eligible ALERT participants may register for a training class by contacting the ALERT Program Coordinator, Mark Hernandez, at [sfpdalert@sfgov.org](mailto:sfpdalert@sfgov.org), or by telephone at 415-401-4615.

### **SFPD ALERT Practice/Training Drill**

All active/trained ALERT members are asked to join us for our next training drill, scheduled for an evening on 9:00 am – 1:00pm August 4, 2018. Details will be emailed to active ALERT members, prior to the date of the exercise. Participation is not required, but strongly encouraged.

For more information on the San Francisco Police Department ALERT Program, email us at [sfpdalert@sfgov.org](mailto:sfpdalert@sfgov.org), or call Sergeant Mark Hernandez (SFPD, Ret.), SFPD ALERT Program Coordinator, at (415) 401-4615.

For additional information on the web please refer to:

<http://sf-police.org/index.aspx?page=4019>



## Summary of SARES/CARC ARRL Field Day and Picnic 2018 – Part II

By Rodney Yee – KJ6DZI

July 24, 2018

As stated in the CARC July 2018 newsletter issue, the overflow of pictures from the SARES/CARC ARRL field day will be shown in this newsletter.





Left to right: Shardon Fong, Violet Fong and Ron Quan









Receiving the VIP tour from the Fireman of the Sunnyvale Station#2





Jeff, 30 year with the Fire/Police Department show their carbon fiber SCBA breathing gear that is pressured with 4500 psi of air.



Fire Engine in parking bay of Sunnyvale Fire Station #2



Opened equipment storage on side of the fire engine



Definitely enjoying the tour of the Fire Station #2.



Now that Jacket is definitely very becoming of her.





Obviously a "Home Improvement" kind of guy



Demonstrating the expanding jaws of life.



Fire Fighters that conducted the VIP tour of Station #2 for our SARES/CARC Club





Left to right: Ada Lowe and Lavinda Han



Denise So



Richard Yee



Bob – W6VVQ

















Left to right: Lavinda Han, Ed Fong, Kim Lowe, and Ada Lowe

## **Ham Tech Session in Sunnyvale Saturday September 8, 2018 (Includes Free Lunch) by Ed Fong - WB6IQN**

**Time:** Saturday September 8, 2018 from 12 noon – 3PM

**Subject: Evaluating Cheap Chinese Radios (CCR) – Ed Fong WB6IQN**

**Location:** 1163 Quince Ave. Sunnyvale, 408-245-8210. If you need precise directions from where you are coming from, go to [www.googlemaps.com](http://www.googlemaps.com). They seem to give the best directions or give me (Ed Fong) a call on the phone.

**Optional:** *Bring a dessert to share.*

**Menu** - lasagna, pizza, salad, drinks, and chips. Chocolate Mousse cake for dessert.

**Cost:** *FREE to ALL HAMS and Guest and Interested parties - Raffle Tickets: \$5 each*

**Grand Prize** - HP Elite 8470 – Quad Core i5 -6GB ram

**2d Prize** – Radio Oddity QB25 Quad Band Mobile

**3<sup>rd</sup> Prize** - Baofeng UV5R dual band hand held radio.

### **Description of the Tech Session**

This event is after the Fry's Swap meet. Before going home, come on by and have a great lunch and meet new friends. Why pay for lunch after the swap. Drop by, save your money and have lunch and see whether your CCR (cheap Chinese Radio) really meets FCC Part 90 specifications.

One's of the biggest controversies among the HAM community today is whether these Cheap Imported Chinese made radios really meets the FCC Part 90 specifications. They are certainly cheap.

A BaoFeng UV5R with LiOn battery, smart drop in charger, rubber duck antenna, belt clip can be purchased for under \$25. It has 200 memory capacity, comes with even an earphone- remote mic.

Before the Chinese invasion of these types of transceivers, the major Ham Radio manufacturers (Icom, Yaesu, Kenwood) were charging \$200-300 per radio. Not to mention that accessories were: just that – accessories. Often the smart drop in charger had to be purchase separately.

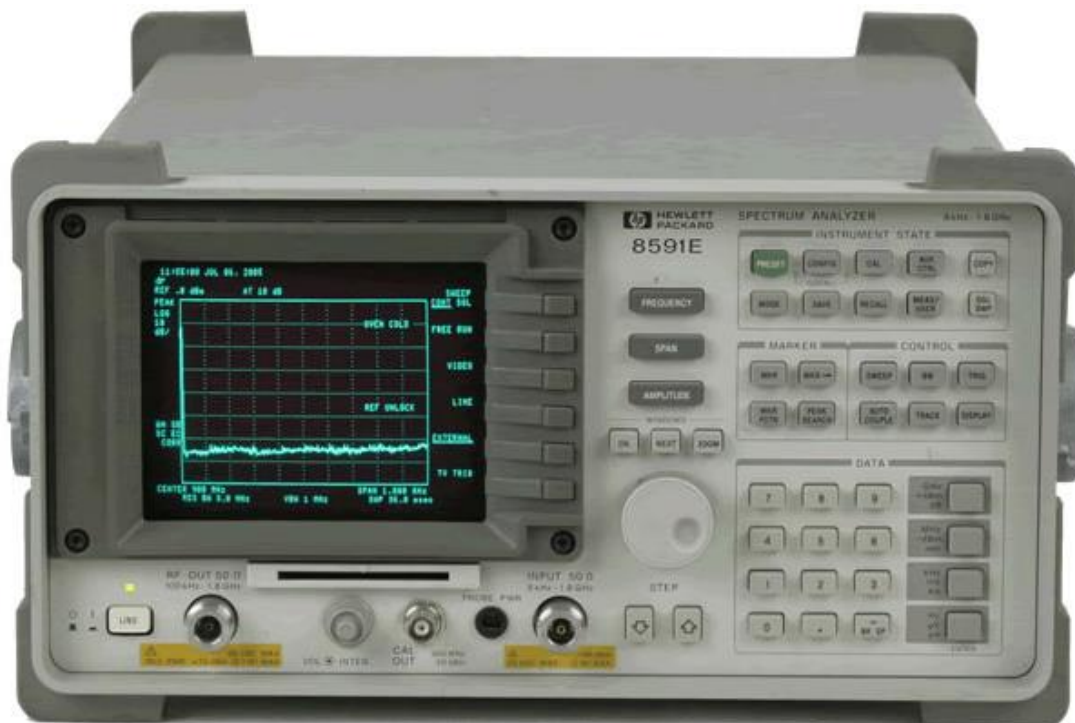
Even the mobiles have gotten into the market. Take the Radioddity QB25. This is a quad band 25 watt mobile. In the USA, this radio operates on 2 meters, 220 MHz, and

70cm. It also operates on the 350 MHz band which is not a ham band in the US. Package comes with software and programming cable. All for about \$100.

Are these radios for real or are they just cheap Chinese junk? Is there a reason why the ARRL does not allow advertisement of these radios in QST?

Come to the September meeting and find out. We will compare these radio for the all the major specs - spurious emissions, frequency accuracy, power out, power drain on transmit, standby receive, etc.

Bring your Motorola APX, your Icom, your Yaesu, and your Kenwood and let's do a live comparison.



We will have available the following Ham Radio testing equipment:

- HP (Keysight) lab grade 8591e spectrum analyzer for spurious test.
- Bird 43 lab quality watt meter.
- Fordham – lab quality frequency counter.

**Raffle prizes – tickets are \$5 each**



**1<sup>st</sup> Prize - HP Elite 8470p** – Intel i5 Quad Core- 14 inch Professional Laptop 6GB of RAM - CNET rated this laptop a 4.5/5. This laptop scores a 2395 on the PC benchmark test. An i7 scores a 2886 (only slightly faster).



### **HP – quote**

“The HP EliteBook 8470p blends modern design and precision engineering, yielding a beautiful product with a platinum color finish. This model’s rugged design means this laptop can withstand the rigors of business travel. Additionally, the HP EliteBook 8470p (running the top of the line i5 Quad core) passes rigorous MIL-STD 810G testing for vibration, dust, altitude, temperature and drops”.

### **PC – Magazine**

“Strictly speaking, the HP EliteBook 8470p (\$1,499 direct) is a business-class laptop. But that classification doesn’t cover all of its capabilities. The EliteBook 8470p is a versatile all-around performer armed with enough firepower to double as a multimedia powerhouse and, to a lesser extent, gaming rig. For the most part, these attributes makes this computer a good system for anyone looking to work during the day and play by night.”

- Window 7 operating system



- 6GB of DDR3 ram (upgradable to 8GB) - 320 GB hard drive
- DVD reader/burner, SD reader slot, 4 USB ports
- Line in and headphone jack (most low end computer no longer have line-in)
- HDMI output

## 2<sup>nd</sup> Prize Radioddity QB25 (same as the QYT 7900SD)



Quad Band Mobile 25 watt transceiver. This radio boast 200 memories, full software programmability, great bullet proof front end with 0.25 uV sensitivity, full FM broadcast radio, direct microphone key pad entry, absolutely the best color display out there and more. If you have been looking to get on 220 MHz, this is the latest and greatest. You will be a proud owner of one of these radios.

Comes with programming cable and programming software.

## 3<sup>rd</sup> Prize UV5R Baofeng dual band handie talkie



### **Baofeng UV5R - 200 memory channel**

- VHF/UHF handie talkie 136-174 MHz 400-520 MHz
- 128 fully programmable channels
- LiOn 1800 mahr battery with smart charger
- Built in LED flashlight
- 4 watts output
- FM broadcast radio (65-108 MHz)