

## Cathay September 2013

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

*revised: 08/20/2013*

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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, Frequencies: 146.67MHz -600KHz PL85.4 and 442.70 +5MHz PL 173.8. The repeaters are linked only during the CARC Monday night net. 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,

### **SFFD NERT Chinatown Class**

I wish to call to your attention on two upcoming Saturdays – August 24 and September 7, 2013 – the San Francisco Fire Department and NICOS Chinese Health Coalition will be jointly putting on a **Cantonese-language NERT** (Neighborhood Emergency Response Team) training in San Francisco's Chinatown.

The NERT classes are taught by the San Francisco Fire Department personal. Attendees will learn disasters skills that will help individuals respond to a personal emergency as well as act as members of a neighborhood response team.

Sessions 1-3    8:30am-5:30pm - Saturday August 24, 2013  
First Chinese Baptist Church,  
15 Waverly Pl, San Francisco, CA 94108

Sessions 2-6    8:30am-5:30pm - Saturday, September 7, 2013  
Salvation Army SF Chinatown Corps  
1450 Powell Street San Francisco, California 94133

Register online: <http://tinyurl.com/nicostraining>

Register by phone: 415-413-7518

This **FREE Cantonese- language NERT** training hard to come by and space is limited so please don't delay signing up. The last time it was held over 2 years ago, it filled up very quickly and people were turned away.

To learn more about the NERT training please refer to the following url:  
<http://www.sf-fire.org/index.aspx?page=879#curriculum>

### **2013 HAM Tech Session**

As many of you know this last August 10, 2013 we had a terrific HAM Tech Session with fabulous prizes. Now that you are in a fun mood, we have an upcoming free CARC Annual Picnic that will also have terrific raffle prizes.

### **Upcoming 2013 CARC Annual Picnic**

Ed Fong (WB6/QN) will also be hosting the 2013 CARC Annual Picnic that will be held 12pm-3pm, Saturday September 14, 2012. Edison is doing the heavy lifting for this event along with providing fabulous raffle prizes. The grand raffle prize will be a \$329.00 Mini Apple iPad, now how is that for a grand prize!

**Please RSVP to Ed Fong: [edison\\_fong@hotmail.com](mailto:edison_fong@hotmail.com) the number of people accompanying you to the picnic.**

Addition information is in the last section of this newsletter.

### **Featured Tech Article**

This month's featured Tech Article has been superseded with the **August 10, 2013 Tech Session Summary Wrap-up** by Ed Fong.

I was present at Ed's Tech Session, the turnout was very good and the food was very good too!

Ron Quan's (KI6AZB) lecture on Software Defined Radios was very well received by all those in attendance.

### **CARC Final Wrap Up Message:**

I look forward to seeing many of our CARC club members at the special CARC annual picnic event.

I will keep it short, 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>

## Bart Lee – K6VK

### LATEST ON CHRS BUILDING PURCHASE...

The following statement was read at Radio Day By The Bay and is the latest information we have at this time about CHRS' future at 601 Ashby:

*"As you know, we have been fundraising for the last year with the goal of purchasing this building and land for CHRS' permanent home. We were supposed to buy the building and land from the new owner of KVTO as it emerged from bankruptcy. But, KVTO has now been sold to a company who is not inclined to sell CHRS the building and land.*

*We can safely report that our license to occupy KRE will be honored to its completion until December 31st of this year. We are not being asked to leave anytime soon and there is a possibility that we may be asked to remain beyond that date.*

*So, as much as we love it here, a museum needs a permanent home. We have already started an active search. We realize that we may be leaving a historical place, but the reality is that we need a permanent place for the CHRS collection, Maxwell and SOWP archives and Radio Hall of Fame.*

*The fund raising momentum is still with us. All of the major donors to the KRE purchase fund have assured us that their pledges will remain in place to purchase a permanent new home for CHRS."*

**SUPER DONORS** – The list keeps growing. You can be part of it! EVERY pledge and donation means a great deal to CHRS. But it is worth noting several pledges / donations that are really helping us to purchase a permanent home for CHRS:

For additional information see: <http://www.californiahistoricalradio.com/>

## **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, Aug 20, 2103 KCBS presentation  
Tuesday 7pm, Sept 17, 2013 Msg Practice  
Tuesday 7pm, Oct 15, 2013 TBD

Other Events: Saturday 8am-12pm October 26, Net Control Training

## **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

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

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.

### **September**

9th: NERT TRIAGE DRILL! SFFD DOT\* 6:30pm to 9:30pm.

Register as "Triage Rescuer" (NERT Grads Only) 6:30pm or  
"Triage Victim" (Non-NERTs) 5:30pm

Register: <http://www.eventbrite.com/event/7458260859>

14th: Disaster Operations 1

Learn how to put ICS into practice. 8:30am-3:30pm, SFFD DOT\*

Register: <http://www.eventbrite.com/event/7404602365>

21st: Disaster Operations 2

Prerequisite: NERT and Disaster Operations 1. 8:30am-3:30pm, SFFD DOT\*

Register: <http://www.eventbrite.com/event/7404676587>

### **October**

1st: ICS Forms workshop. All NERT grads welcome. 7:00p-8:30pm, SFFD DOT\*

Review each NERT ICS Form. The forms are crucial for safety and accountability.

Prepare for the Oct 5 & 19 drills!

Register: <http://www.eventbrite.com/event/7404722725>

5th: NERT Staging Area Drill. All NERT grads welcome. Location TBD

This drill focuses on setting up and managing a neighborhood team staging area.

Practice Incident Command System skills. Bring: NERT ID, helmet, vest, gloves, water, pencil and go-bag. Wear long pants, sturdy shoes and sunscreen. Dress for weather.

Register: <http://www.eventbrite.com/event/7404780899>

19th: Save the Date! NERT Neighborhood drill day.

Registration: registration not open

23rd: NERT Coordinators and Leaders Meeting. 6:30pm-8:30pm, SFFD DOT\*

All NERTs welcome. Register: registration not open

**\* SFFD DOT is the Division of Training @ [19th Street/Folsom](#). (enter through yard on 19th and park along back wall) Division of Training classroom is in the 1-story building directly next to the Fire Station on the corner**

## **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.

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.

### **Upcoming SFPD ALERT Training**

The third ALERT training class has been scheduled for **Saturday, September 28, 2013**. The class will be held at the San Francisco Police Academy, in the parking lot bungalow, from 8am-5pm (one hour lunch break).

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 the June 22nd 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. To register by email send your request to [sfpdalert@sfgov.org](mailto:sfpdalert@sfgov.org) with your NAME and PHONE NUMBER.

### **SFPD ALERT Drill:**

For graduates of the SFPD ALERT Classes, there will be a drill held at the San Francisco Police Academy, located at 350 Amber Drive, Parking lot bungalows, at 9 am **Saturday October 26, 2013**.

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>



## August 10, 2013 Tech Session Summary Wrap-up

By Edison Fong -WB6IQN

August 10th was the day. We had our annual tech meeting in Sunnyvale and had crowd of about 45 people attend. This was probably our biggest crowd for this event. Thanks to everyone that brought deserts. They were wonderful. We had plenty of food with 20 lbs of lasagna, large garden salad and three family size stuff pizzas. Sixty canned sodas, and 24 bottles of water.

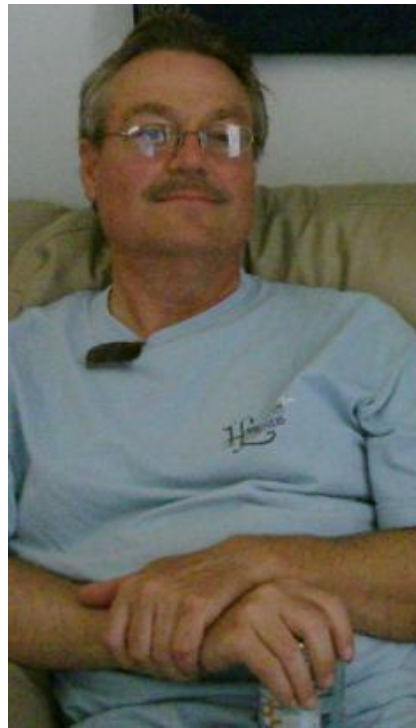
The group was wonderful offering inputs on radios, job experiences, ham radio, etc. As usual we had some very famous people attend, a group from Space System Loral which consisted of a group world class satellite engineers and scientist. They make the world's most sophisticated complex satellites linking the world together.

We had two renowned retired college professors attend - Prof. Jim Jackson of SF State and Prof. George Vendelin of National Taiwan University (and formerly of Univ. of Santa Clara).

We even had the Western Director of the ARRL show up, Bob Vallio W6RGG.



Bob Vallio – W6RGG with his killer smile



A relaxed Michael Lechner - KN6QI



We had the President of the Foothill Amateur Radio Society (FARS) Michael Lechner KN6QI attend. I think he was checking us out since he had heard so much about us. FARS is a more traditional club, with dues, secretary, etc. He has always ask me, how do you it, no dues, no payment for events, free food, etc. Well he saw it, we just sell raffle tickets. We should be proud that others are trying to mimic us.

Our guest speaker was Ron Quan KI6AZB. His subject was software defined radios. Ron is the author the popular book, *Building Your Own Transistor Radios*. He brought some demo SDR's that one can build for about \$20.

Nick N6NSA – came and showed his complete portable man pack radio – 100 watts.

Prize winners were: Kendal Fire HD – Harry Mar (KJ6DYY) , Baofeng UV5 – Bill Chin (KC6POF) , Mag Flashlight – Tony Sacco (KE6EOD), Tool Set – Danny , Radio Shack LED Flashlight Howard Louie(N6MNV), ARRL CD - Leonard Tom (NX6E)



Dave Vieira - KI6CLA, Howard Louie - N6MNV, and Bill Chin - KC6POF



Plenty of food.



Gordon Yee - KI6UH, Orville Jugarap - N1OJ, Mike Lechner - KN6QI, and Bob Vallio - W6RGG



Leonard Tom - NX6E with his portable arrow antenna



Prof. Jim Jackson – WA6DDM – famous professor integrated biology and instrumentation.



Gordon Yee- KI6U, Guest of Gordon Yee, and unidentified lovely lady





Jim Walker - KB6NRD (senior satellite engineer), Tony Sacco - KE6EOD (retired engineer and lawyer), Dave Vieira - KI6CLA (still working as a circuit designer), Jim Leubke (senior satellite engineer), Danny Rahamin - KH6SEE, Javen O'Neal - KF7JO



Preparing for the raffle - Rodney, KJ6DZI, Howard Louie N6MNV, Bill Chin KC6POF, Andy Huang AA1Q, Bob Vallio-W6RGG, (with back turned) Paul Kitagaki - W6NDA



Prof. George Vendelin – famous microwave professor and author.



Another picture of the lovely unidentified lady.



Paul Kitagaki - W6NDA



Grand Prize Winner: Harry Mar - KJ6DYY





Norman Nobel - WB6YSL and Howard Louie - N6MNV



Andy Huang - AA1Q



Bill Chin - KC6POF



Nick Cassarino – N6NSA  
showing his man pack radio.



Lecturer: Ron Quan - KI6AZB



Close up of Nick Cassarino – N6NSA custom built portable HAM radio setup



## Annual CARC Picnic – Fairbrae Swim & Racquet Club - Sat, Sept 14, 2013

By Edison Fong

**Place:** Corner of Hollenbeck and Sheraton in Sunnyvale, 1 block from my house (Ed Fong – WB6IQN)

**Time:** Saturday September 14, 2013 12:00PM-3:00PM

**Costs:** FREE hamburger, hotdogs, drinks, Raffle Tickets: \$5 each

This is a great place to go right after the DeAnza Swap Meet. We will rent Fairbrae Swim and Tennis Club for the afternoon. See the pictures for yourself. It is just down the street from my house and 2 miles down from the DeAnza Swap Meet.

The club will provide for 1/3 lb. premium sirloin burgers and buns and drinks (got to try these to experience a true burger). Bring a side dish (eg. salad, dessert or buy more raffle tickets to cover our cost). Remember, the club has no dues and this time the GRAND PRIZE is really a GRAND PRIZE. How many clubs raffle off an Apple iPad mini? Bring your friends and family. They will all have great time.

There are cooking facilities, so we can heat up food. There are two large barbeques. If you wish to find out more about this facility, go to [www.fairbrae.com](http://www.fairbrae.com). It's a first class place that is clean and is children friendly. Bring your kids, grandkids and don't forget the swim suits. If you like to play tennis, bring your racket.



**Grand Prize as requested by members.**

**1<sup>st</sup> Prize - Apple iPad mini**



A beautiful display, powerful A5 chip, FaceTime HD camera, iSight camera with 1080p HD video recording, ultrafast wireless, and over 375,000 apps ready to download from the App Store. iPad mini is an iPad in every way, shape, and slightly smaller form.

**Wave hello with FaceTime video calling**

With FaceTime built into iPad mini, you can make a video call over Wi-Fi or cellular.<sup>2</sup> The front-facing FaceTime HD camera gives everyone a great view of you, while the iSight camera on the back lets you show others what you're seeing. So even when you're out and about, your friends and family are never out of the loop. You can hear every laugh and see every smile. And with the 7.9-inch display, you've got more than enough screen to take in the whole scene. You can also use the front-facing camera for taking self-portraits or recording 720p HD video.

## **Record HD video in full 1080p**

An impromptu performance on the subway, the winning shot at your daughter's soccer game, an awesome 360-degree view from the top of the mountain — the iSight camera on iPad mini lets you capture all these unpredictable, beautiful, spectacular moments. In 1080p HD, no less. The spacious iPad mini display gives you a great view of whatever you're filming. And with automatic video stabilization, your recording is free of bumps and shakes. So your videos are instantly ready to share.

## **Powerful A5 chip**

iPad is known for its fast, fluid performance, and iPad mini doesn't disappoint. It features the powerful and power-efficient A5 chip, which makes everything you do feel smooth and natural. From the little things like switching from app to app and swiping from page to page, to the big things like editing photos, watching movies, and playing games.

## **Shoot 5-megapixel still images**

The 5-megapixel iSight camera features a backside illumination sensor that captures great-looking pictures whether by sunlight or candlelight. When you shoot photos, the big, beautiful iPad mini display becomes a big, beautiful viewfinder — giving you plenty of room to compose your shot. Autofocus, tap to focus, and tap to set exposure functions mean every photo you take instantly becomes frameworthy. And with built-in face detection that automatically balances focus and exposure across up to 10 faces, there's more room for more grins. So everyone look at iPad mini and say "Cheese."

**2<sup>nd</sup> prize** will be he ever so popular **Baofeng UV5**. There are more Baofeng UV5R's sold today than any other radio on the market. Why not? Its performance matches the best of them and yet the price is 1/3 of the cost of the mainstream manufacturers. Let me mention that battery – it last forever on a charge.

- *Dual band VHF/UHF (full transmit capability 130-230 MHz, 420-520 MHz), separate receiver chip for FM broadcast*
- *5 watts output – VHF and 4 watts at UHF*
- *Programming software*
- *Dedicated FM Broadcast receiver chip (even detects stereo with headphone and a slight modification).*
- *128 memory channels*
- *Built-in LED flashlight*
- *Complete with 1700 MaH LiOn battery*
- *Antenna*
- *Smart drop in Charger*
- *Belt clip*
- *Earphone microphone*

Picture of the Baofeng UV-5R transceiver shown below:



## GP 4 – AM/FM/SW Radio with Clock



This is one of the greatest portable radios I have ever run into. It has a digital AM/FM radio, shortwave radio, including WWV with 40 meters and 20 meters. Complete with clock radio. All in a small package.

No wonder it was rated as the best pocket radio around by *Popular Communications Magazine*. You will end up taking this radio to wherever you go.

## 3 Watt LED Maglite

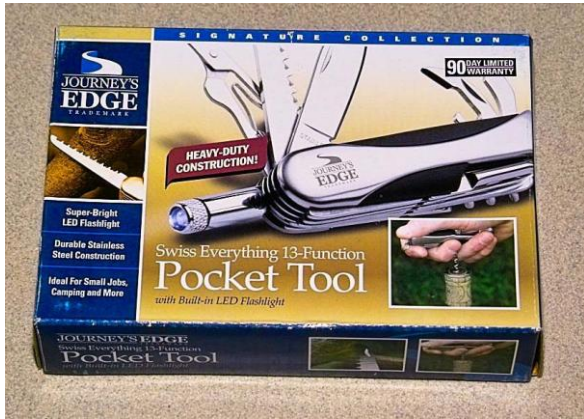


Mag Lite 3 watt LED flashlight. This flashlight is the talk of the town. Made of aircraft aluminum, it is waterproof and can also be used as a police night stick.

There is a powerful 3 watt LED bulb running on 2 D size batteries. The super-efficient LED bulb will give you about 15 hours of use on one set of batteries.

It's really bright and with its focusing beam, it will easily throw a beam several hundred yards. I have had mine for about a year now and it is still on the original alkaline batteries.





**Journey's Edge Knife** - This is a really cool knife. I mean really cool. I always keep one in my backpack because you never know. I bought my first one several years ago at Radio Shack not realizing what I had purchased. Well, it turns out there is quite a following for these knives. I started to read blogs on them and people swear by them. I read quotes like, "I wouldn't dream of leaving the house without my Journey's Edge." "This is one compact knife with all the features I need." "Extremely well made, I now

carry it over my Swiss Army Knife which I have had for most of my life."

Well here is why. This compact sturdy knife has all the following: LED flashlight, large blade, saw blade, scissors, can opener, slotted driver, bottle opener, key ring, philips screwdriver, file, awl, corkscrew, and leather punch. All in a compact knife complete with nice nylon case. I never leave home without it.

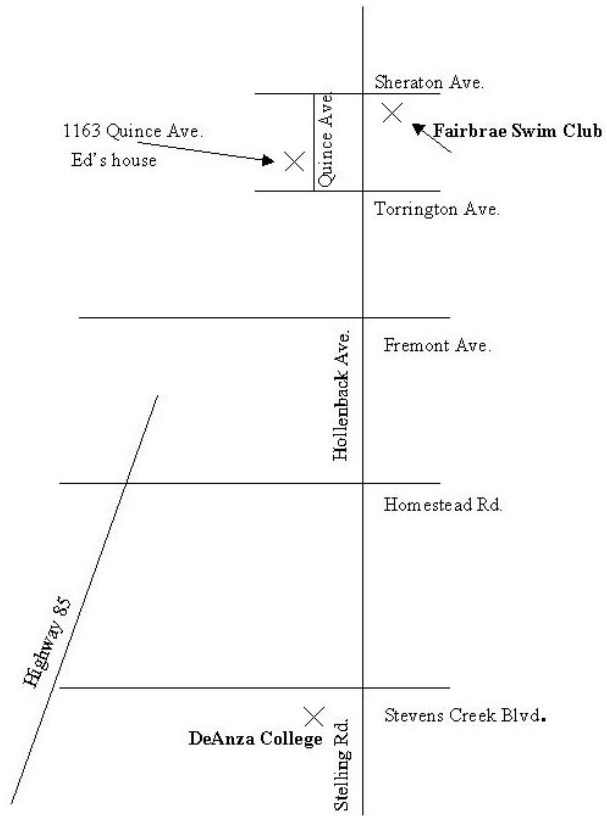
### **Directions to the Fairbrae:**

**From the DeAnza Swap Meet:** Very easy to get to. On Stelling Rd which is the street the Swap meet is on, go North 2 miles (towards the Bay as oppose to the hills). You will cross major streets of Homestead Rd, then Fremont Ave. After you cross Fremont Ave., go two more blocks and you will see Sheraton St. Make a right on Sheraton and the Club is right there.

**From 101:** Take the Mathilda Exit and head South (towards the hills and not the Bay). Go about 2 miles past El Camino Real, the next major signal light will be Remington, cross Remington and the next signal light will be Fremont Ave. Make a right on Fremont Ave. Go ½ mile to the first signal light at Hollenbeck Ave. Make a right on Hollenbeck, go 2 blocks to Sheraton Ave. The Swim and Tennis Club is at the corner of Hollenbeck and Sheraton Ave.

Fairbrae Swim and Tennis Club (see pictures below) is a private club with a lap pool, diving board, full size kitchen, indoor dining, and outdoor barbeque and picnic benches. Bring your swim suits to cool off if the weather man says it's going to be hot.

### Directions from DeAnza College



### Directions from Highway 101 and Highway 237

