

Cathay March 2018

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,

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

QSY Change to transmission on another frequency / Repeater:

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;

As many you are well aware that our normal Monday Night Nets using W6BUR Repeater has been running into heavy radio interference. Denis L. Moore – WB6TCS has come to our rescue and has generously allowed the CARC club to use his repeater: WB6TCS for our Monday night nets.

Until further notice, our Monday night nets will use Denis L. Moore's 2 meter repeater and Howard Louie's UHF cross Linked repeater.

Repeater: WB6TCS – Denis L. Moore

Location: Oakland, Oakland Hills County: Alameda State: California
RX 147.210 TX 147.810 Offset +0.6 MHz CTCSS/Tone PL 100 Hz

Repeater: N6MNV - Howard Louie

Location: South San Francisco County: San Mateo State: California
RX 442.700 TX 447.700 Offset +5 MHz CTCSS/Tone PL 173.8 Hz

This Saturday - Save The Date: 11:00 am – 1:00 pm Saturday March 3, 2018 - CARC Annual Chinese New Year Luncheon

The CARC will host its annual Chinese New Year Luncheon at 11:00am Saturday March 3, 2018 at the KOME Seafood Restaurant in Daly City.



2018 is the **Year of the Dog**, which begins on Saturday, February 16, 2018.

If you were born in 1922, 1934, 1946, 1958, 1970, 1982, 1994, 2006, and 2018 you are a Rooster person according to the Chinese Calendar.

Folks born in the year of the Dog are loyal and honest, amiable and kind, cautious and prudent. They have a strong sense of loyalty and sincerity. Generally they choose a career based on the principle of serving others.

Dog folks are seen as valuable employees as they put their heart and soul into their tasks. They are easy going and kind, and are always ready to alleviate the workload of others, which makes them very popular in their work circle.

The best mates for males born in the year of the Dog are: Rabbit, Rat and Tiger signs, while females are well-matched with Rabbits, Monkeys and Boar.

Yes, it is time to think about celebrating the Chinese New Year of the Dog with a CARC luncheon.

Additional luncheon details are toward the end of this CARC newsletter.

Tech Article Introduction

This is the article: **“Theft of Keyless Entry Cars”** that I had reservations about writing because of the potential of encouraging car break in activity. But it has already been reported in the news so the “Cat Is Out of the Bag” so to speak.

As many of you know new cars are now coming with hands free keyless entry fobs/systems. Merely having one of these car fobs within a couple of yards distance of your car will unlock the doors and even allow you to start the car without removing it from your pocket or backpack or purse.

Advance keyless system entry used on certain models of cars are actually sending short range radio signals to sense the presence of a car fob with the correct credentials.

Please read on in the Tech Article section of this newsletter.

Other CARC News

Several CARC members have requested that we change the CARC Monday Night Net time to an earlier time. They like an early time like 2030 Hrs. That would be a half hour sooner than the present time of 2100 Hrs.

Please email me W6BUR@comcast.net or when you are on the Monday night net express your thoughts as to your choice of having the CARC Monday Night Nets on either at 8:30 pm or 9:00 pm.

Needing an ELMER –

I bought a Vibroplex Lighting Bug Keyer # 267827 a few years ago at the Pacificon Swap meet and just set it on the bench. I would like to set it up and try to become proficient in using it.



I would like to find a local Elmer to help me set it up and work with me to begin using it. I would like to be able to drop in from time to time to see how you use your Vibroplex. Are you willing to be my new ELMER?

Let me know at aa6mk1@gmail.com or on this site.

VY 73,

Mike Kelly, AA6MK

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, March 20, 2018
 Tuesday 7pm, April 17, 2018
 Tuesday 7pm, May 15, 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.

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

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

Upcoming events

March 2018

- 10 2MCM Ham Radio practice
- 17 NERT Training Day - Third Saturday

April 2018

- 14 2MCM Ham Radio practice
- 21 NERT Citywide Drill, NERT graduates and victims needed

May 2018

- 2 NERT Quarterly
- 12 2MCM Ham Radio practice
- 19 NERT Training Day - Third Saturday

RSVP to 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 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) 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 Saturdays, June 2, 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 SFFD 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, 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 Saturday May 5, 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, 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>

Tech Article

Theft of Keyless Entry Cars

by Rodney Yee – KJ6DZI
Date: March 1, 2018

Police in the United Kingdom have been reporting that keyless car entry break in and car theft are on the rise. As with most advance technology, the keyless car entry it is subject to a form of advance hacking.

Recently as of Nov 27, 2017 thieves were filmed on a home surveillance system gaining access to and driving away a brand new Mercedes car that was parked in the owner's driveway in the dead of night.

The only tool needed by the car thieves was a "Relay Box", that simply takes the radio signal transmitted from the car and amplifies it thereby extending the effective distance between the car and the car keyless entry fob that was in the owner's house as they slept.

Owners of keyless entry cars (Prius, Mercedes, etc.) are now being advised to place their key fobs in the refrigerator or microwave at night.

By placing the key fobs in the fore-mention kitchen appliances essentially place it a Faraday cage. A Faraday cage is merely a conductive metal enclosure to block electromagnetic fields that includes the car radio wave to unlock the car.

It is only a matter of time before thieves in the USA begin using "Relay Boxes".

Now carrying around a refrigerator or microwave with you is not going to be very practical so merely wrapping some aluminum foil around the car key fob will do the job of a Faraday cage. Similarly, a small Altoids mint tin will also work as a mini-Faraday container.

For further reading on this please refer to:

- <https://www.express.co.uk/life-style/cars/885216/relay-car-theft-keyless-entry-advice-faraday-cage>

2018 CARC Annual Chinese New Year Luncheon

As for those of you that were able to attend the CARC luncheon last year, we enjoyed seeing each other and "yakking" it up. As word spread about our successful CARC luncheon get together, those who did not make it told us "We will be there for the next one". This year it will also be a great opportunity to meet up with our newest club members and to renew our old friendships.

The time and date: 11:00 am - 1:00 pm Saturday March 3, 2018

Location: KOME Japanese Seafood and Grill
1901 Junipero Serra Blvd.,#A
Daly City, CA 94104
650-992-8600

Parking: There is free parking in the adjacent five story garage structure.

Cost: Special CARC Adult cost will be \$24.00 per adult.

Seniors over age 60 pay \$23.00

Children Pricing:

Age under 3: Free

Age 3-5: \$10.90

Age 6-8: \$13.38

Age 9-11: \$15.88

These Saturday prices includes: tax (9%), 15% tip, and reserved seating. As you know the cost of everything seems to goes up in price. So this year KOME Restaurant raised the prices slightly from last year and charges for all beverages except water.

Beverage prices other than water, not included with the luncheon price:

Soda\$1.99 – free refill

Hot tea\$1.25 – free refill

Juice.....\$2.25

Sake.....\$7 – \$9, Hot Sake: \$4:30 – \$6:30

Beer.....\$4.99 – 6.99

Please note that any beverage other than water not included with the price of the luncheon. If you order beverages not covered, you are responsible for paying the additional charges. At the end of the luncheon, using the honor system, we will collect any beverages monies previously not collected.

For more info please see: www.komebuffet.com

Luncheon money and optional beverage money will be collected at the start of the luncheon, so please have exact change ready! Please put on the CARC name tags that will be provided. We need it to identify who has paid and for head count to satisfy the restaurant.

Please email your CARC Editor: Rodney Yee (rodyee2000@yahoo.com) by February 23, 2018 if you are planning to attend the luncheon. We need your name with call sign and the names of your guests (with call sign if available) to create the necessary names tags that you will be requested to wear during the luncheon. The name tags help identify you for the pictures we put into our newsletter. Plus it helps us with money collection of who has paid up.

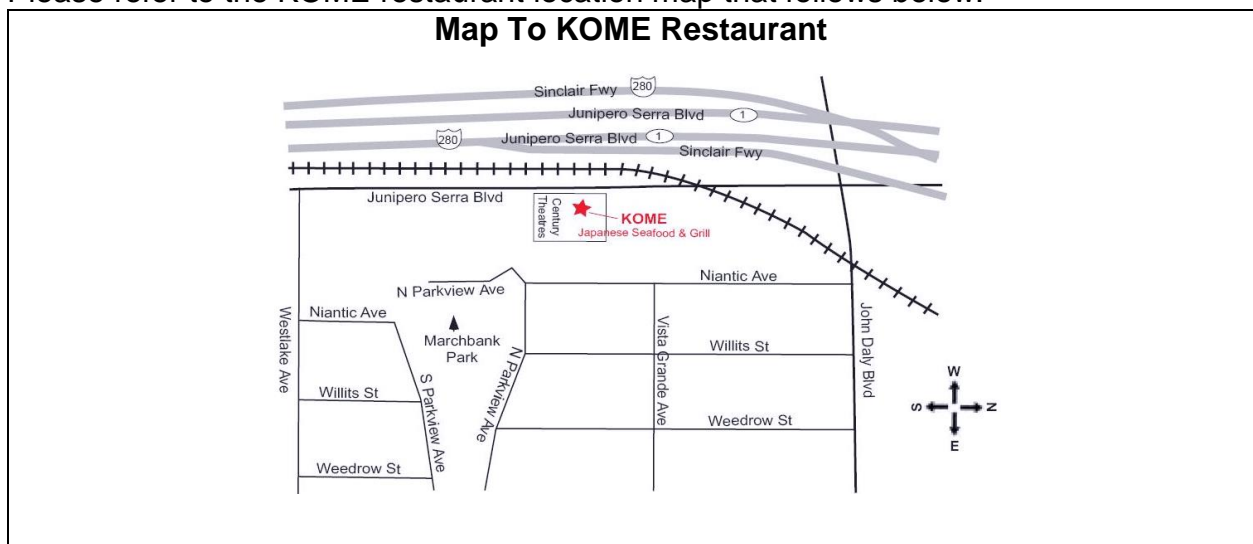
Driving Directions:

* If coming from Hwy 280 Northbound, take the John Daly Blvd/Junipero Serra Blvd exit and continue north on Junipero Serra Blvd and side drive past the Century Theater ticket office.

After a series of small restaurants on the right hand side there is a 5 story parking garage, the entrance will be about 50 feet past KOME restaurant entrance doors.

* If coming from Hwy 280 Southbound, take the John Daly Blvd/Junipero Serra Blvd exit. After crossing the traffic signal light intersection, in about 500 feet, turn left into the 5 story parking garage structure entrance.

Please refer to the KOME restaurant location map that follows below:



We have reserved the back area room at the KOME restaurant for use of the Cathay Amateur Radio Club. **At the restaurant door please identify yourself as being with the CARC and a KOME hostess will escort you to the back room.** Please check in with both Vince Chinn aka Mingie W6EE and Hetty WB6SHU so they can check your name off the attendee list and collect the money to pay the restaurant bill. Hetty WB6SHU will make sure those senior citizens will get their dollar discount. Be aware that the early bird gets the worm, no feeding after 1PM; I hope we won't have to be booted out, hah-hah!

KOME restaurant is an all you can eat Asian buffet style dining offering a large choice of foods. KOME restaurant is where we held our previous Cathay Radio Club Chinese New Year Luncheon and it was a big hit with all the attendees. There is free parking at the adjacent 5 story parking structure. The Daly City Bart train stop is 2 blocks away.

Please arrive early; **the luncheon time (11:00 am-1pm) will quickly slip away while you are getting caught up with the latest news among our fellow club members, plus you don't want to miss the raffling of fabulous prizes.** The back room is fairly

large is able to accommodate 150 guest. I doubt that our CARC members and friends would completely fill it, so feel free to invite additional guests.

The dining tables as I seem to recall were sort of like outdoor picnic types with individual chairs for seating. One other hint: If you are a great eater and love food, try not to choose any tables where the opposite end is against a wall. I found that it was really hard to maneuver quickly for more goodies!

Now for the part of the newsletter you all have been anxiously waiting for: The Raffle Prizes that Ed Fong (WB6/QM) has secured for the CARC Chinese New Year Luncheon.



The Grand Prize as most requested by the CARC Members: Laptop computer.

Lenovo Thinkpad T410 4 GB Laptop with 260 GB of hard drive . Is your old laptop ready for an upgrade? Well this could be it.

Running Windows 10 with an Intel i5 processor 2.4 GHz with a LED night lite.

High resolution camera for Skype
4USB's, one HDMI, one VGA, DVD burner.



2nd Prize - Ematic 9 inch Tablet with keyboard – 32GB of built in SSD (expandable with an microSD up to 96GB), detachable keyboard running Windows 10.

Front and back cameras. Great tablet to take anywhere.

Check your email, Facebook, Youtube, work in Microsoft Office now on the go.

Weights only 15.5 oz.



3rd Prize: Baofeng's UV25x4 new Triband 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.

The Frequency coverage:

- 65-108 MHz – FM broadcast – receive only

- 136-174 MHz – VHF – TX/RX
- 210-230 MHz - TX/RX
- 350-400 MHz TX/RX (not an amateur band in US)
- 400- 520 - MHz - TX/RX

Full CTSS and DCS coding

Power – 10/25 watt (user programmable)

I will have this radio pre programmed to most of the Bay Area VHF 2 meter, 220 MHz and 70cm repeaters. I will gladly add any free of charge to the winner.



4rd Prize: Countycomm GP5/SSB

the latest and best portable hand held HF SSB receiver in the world. Fully software defined using the SiLabs 4734 DSP chip. Has software defined product detector and DSP SSB filters for true LSB and USB. 450 memories

Frequency Coverage –

MW/ AM: 520 – 1710 kHz (10K tuning step)

SW: 1.7-30 MHz AM/SSB/CW (with DSP SSB filters)

LW frequency: 150 – 522 kHz AM/SSB/CW

FM: 76 – 108 MHz – stereo

Displays ambient temperature in Fahrenheit or Celsius

Operating time: 225 hrs at 40% Volume

LCD Backlight

Accessories include: Stereo earphones, external AM ferrite antenna, external shortwave antenna, soft carrying pouch, and user manual



Astron 12 - 12A linear power supply. Less than 5mV ripple even at full load.

Just what your ham shack needs to power up all your mobile devices.



MFJ-392B communications headphones.

Designed for extreme comfort for long periods of time without sacrificing audio quality.



Lux Pro LED flashlight - The claim is that this is brightest flashlight in the world that runs on two standard D batteries. Come and check it out, it is really bright.

Great for your home or car. It boost three mode (hi beam, normal, flashing).

Fully waterproof, it uses the CREE XP-G2 R5 LED (brightest LED in the world for its class)

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