



Cathay July 2026

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, As of 8/21/2023 we are switching over from using Repeater: WB6TCS to **Nick Cassarino's Repeater: WA6GEL UHF 444.800 Mhz, Offset +5 Mhz, CTCSS/Tone PL 179.9 Hz on Monument Peak, Milpitas. If you are in the North Bay, one can use the WA6GEL repeater North Bay located on Mt. San Bruno - 444.8 MHz offset +5 Mhz, CTCSS/Tone PL173.8 Hz**

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

Message on Behalf of the President: Leonard Tom, *NX6E*

Hello CARC Members and Friends;

Many thanks to both Nick Cassarino for the use of repeater – WA6GEL for our CARC Monday Night Net.

Additional folks are needed to help out with conducting the CARC radio net on Monday nights. Please contact Ed Fong (edison_fong@hotmail.com) if you are interested.

I hope you all had a fantastic July 4th holiday. CARC member Ron Quan – KI6AZB has shared some of his fabulous pictures that he took during the July 4th fireworks for your enjoyment. Many thanks to Ron for his stunning photographs.



Tech Article Introduction:

Using new radio wave mapping techniques and onsite simulated radio transitions, the search for Amelia Mary Earhart missing plane continues into 2026. Over the last 89 years, there have been many unsuccessfully previous attempts to located her plane wreckage: twin-engine Lockheed Model 10-E Electra (registration NR16020)



Undated picture taken in the 1930s of US aviator Amelia Earhart in front of her plane (AFP via Getty Images)



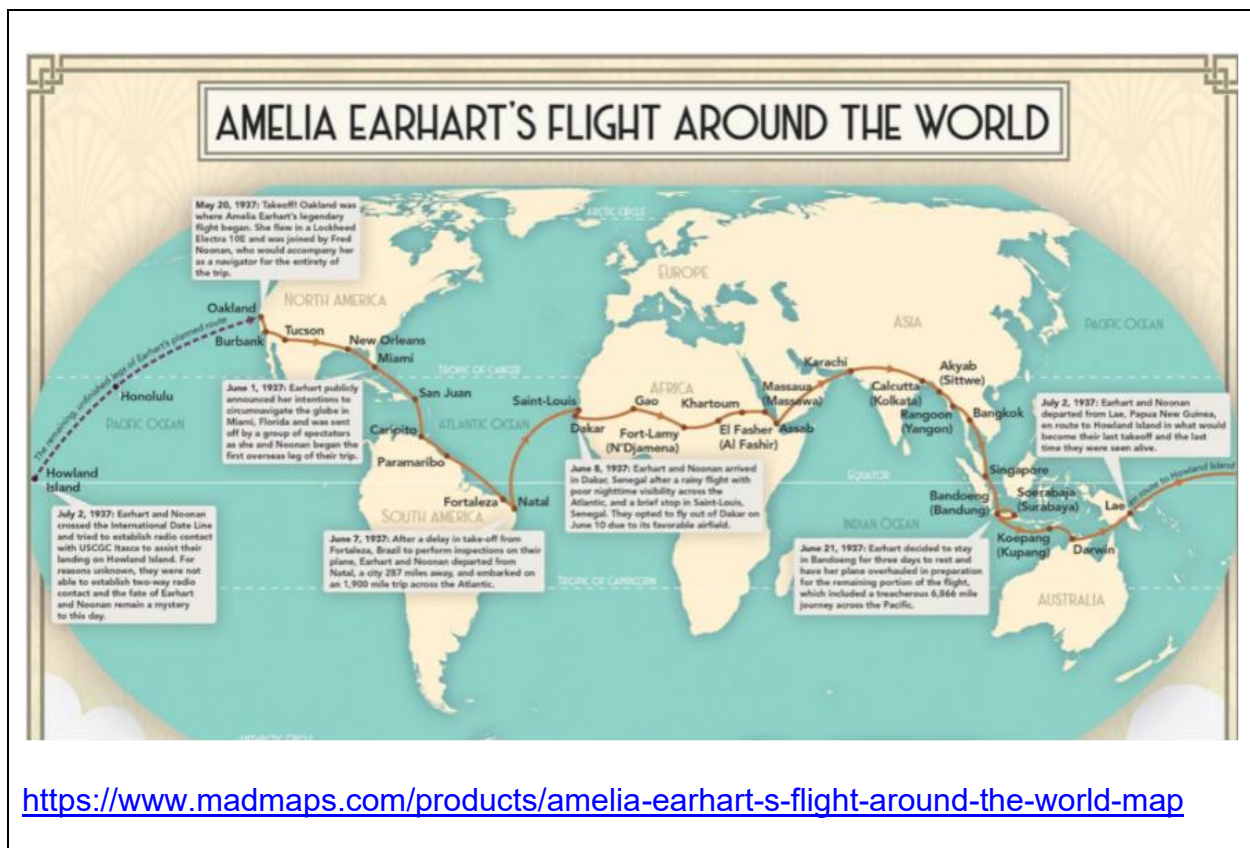
Left to right: Pilot Amelia Mary Earhart and flight navigator Fred Noonan

Amelia Mary Earhart age 39 years old, was an famous American aviation pioneer and author.

Fred Noonan age 44 years old, was a famed expert aviation navigator for Pan Am airlines, mapping clipper plane routes across the Pacific Ocean, participating in many flights to Midway Island, Wake Island, Guam, the Philippines, and Hong Kong.

Earhart became the first woman to fly solo across the Atlantic in 1932, earning the Distinguished Flying Cross. Earhart set numerous speed and distance records, co-founded the Ninety-Nines to support women pilots, and championed women's rights.

On July 2, 1937 just 22 days short of her 40th birthday, she and her navigator Fred Noonan vanished over the Pacific Ocean having running out of fuel during an attempted flight around the world, cementing her legacy as a trailblazing icon and creating an enduring mystery. They were 21 days into the expected 30 days flight into the final leg covering having completed 22,000 miles into their total flight of 29,000 miles.



For more information on the search for Earhart's crashed plane, please read the Tech Article Section.

ARRL CARC Field Day Event Recap

Write up and pictures from the ARRL/CARC Field Day June 27-28, 2026 are in this newsletter. Many thanks to Ed Fong - *WB6/QN* for hosting the dinner, raffle and field event and doing a fabulous job of it.

See at the end of the newsletter for the event recap

Wrap Up

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! - Leonard Tom, *NX6E*

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) is a unit of trained professionals who supply communications support to the agencies of the City and County of San Francisco, particularly during major events/incidents. ACS goals are the support of gathering and distribution of information necessary to respond to and recover from a disaster.

The ACS Net begins at 1930 hours (7:30 p.m. PT) 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 perform Net Control duty on a regular basis. On the second Thursday of each month, the net is conducted in simplex mode on the output frequency of the WA6GG repeater, 442.050 MHz no offset, tone 127.3 Hz.

ACS holds its General Meetings on the third Tuesday of each month from 1900 hours to 2100 hours local time. Currently meetings are exclusively conducted over Zoom during the COVID-19 pandemic, ACS looks forward to meeting in person again as soon as possible.

Upcoming meeting dates in 2026 are:

- June 17, 2026

- July 15, 2026

Location of in person future ACS meetings are yet to be determined as the regular location is under reconstruction. All interested persons are welcome to attend. For further information contact Corey Siegel KJ6LDJ <kj6ldj@gmail.com>.

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

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

<https://sf-fire.org/nert/nert-calendar-meetings-trainings-events>

Training Classes: see above website. TBD

+ Recertifications

TBD

***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 toward the 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 no longer need to complete the Fire Department's Neighborhood Emergency Response Team (NERT) (www.sfgov.org/sfnert) training and then graduate into two 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 (New Members)

The next SFPD ALERT training class has been scheduled for: TBD

*Class date indicated are only for new members

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, marina.chacon@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, via scheduled for on TBD

For more information on the San Francisco Police Department ALERT Program, email us at sfpdalert@sfgov.org, or call Lt. Marina Chacon (SFPD Ret.), SFPD ALERT Program Coordinator, at (415) 401-4615.

For additional information on the web please refer to:
<https://sfgov.org/policecommission/alert>

Tech Section:

**POPULAR
MECHANICS**

Might Have Finally Located Amelia Earhart's Lost Plane

The most famous disappearance in history may be one step closer to resolution.

By [Michael Natale](#) Published: Jun 26, 2026 2:49 PM EDT

URL: <https://www.popularmechanics.com/flight/a71747046/amelia-earhart-radio-restoration-discovery-lost-plane-search/>



This story is a collaboration with [Biography.com](#).

[Amelia Earhart's disappearance](#) in the summer of 1937 has remained one of aviation's [greatest mysteries](#) for nearly 90 years. Since then, explorers and researchers have searched land, reef, lagoon, and deep ocean for any trace of the plane she flew with navigator Fred Noonan.

One team has spent years looking west of Howland Island. Its newest lead comes from a strange place for a deep-ocean search: the airwaves.

In 2020, the deep-sea exploration and historical research organization Nauticos procured and restored a [radio](#) system identical to the one that Earhart and Noonan used on their final flight: a Western Electric 13C aircraft transmitter and Bendix Model RA-1A aircraft receiver.

In 2025, [Nauticos announced](#) that after a series of tests using that restored radio system, its researchers had estimated the approximate position of Earhart's Lockheed Electra L-10E around 8 a.m. on the day she and Noonan disappeared.

Armed with the new data, Nauticos says its next expedition will focus on a smaller search area than its earlier attempts. In a 2025 press release, Nauticos President Dave Jourdan said the team had "narrowed the search area dramatically" and called the planned mission its "best chance yet" to locate Earhart's plane.

That expedition, however, remains the next step—not the answer. In a February 27, 2026, [WBUR interview](#), Jourdan said Nauticos had worked out roughly where Earhart was around 8 a.m., but the location hadn't been publicly shared. He also said the group was raising \$6 million to \$10 million and hoped to mount the expedition as early as 2026.



Courtesy of Nauticos

The Bendix Model RA-1A aircraft receiver – aboard Amelia's L10E and used in Nauticos' system tests in 2020.

On July 2, 1937, Earhart and Noonan took off from Lae, New Guinea en route to Howland Island. They were receiving communications from a vessel off the shore of Howland, the U.S. Coast Guard cutter *Itasca*. But radio reception was poor; the [radio log](#) from that fateful day indicates that at 7:42 a.m., Earhart told *Itasca*, "We must be on you, but we cannot see you. Fuel is running low. Been unable to reach you by radio. We are flying at 1,000 feet."

Around 8 a.m., Earhart reported that she needed bearings. The *Itasca* was sending navigation signals, but she wasn't receiving them clearly enough to fix her position. At 8:43 a.m., she radioed the *Itasca* again, saying the *Electra* was "on line 157-337 and running north and south," a reference to degrees on a compass. That line runs between 157 degrees (southeast-to-south) and 337 degrees (northwest-to-north). It was her final transmission. Neither she nor Noonan were ever heard from again.

Earhart gave the *Itasca* a compass position—likely thanks to Noonan aligning their course with the rising sun—but she couldn't provide exact coordinates. That's why Nauticos' radio experiment could prove crucial.

As of June 2026, Nauticos has not publicly released the exact coordinates or search box it says the analysis produced.

Nauticos' tests used two vessels: one in the air and one on the [water](#). Aboard the aircraft—a stand-in for the lost Electra fittingly named Miss Amelia—they carried a Bendix receiver and a Western Electric transmitter. On the water, their boat *Nellie Crocket* had its mast extended to match the antenna height of the *Itasca*, and carried an RCA Model CGR-32-1 receiver, the same model used on the *Itasca*.

The researchers used this equipment to run Radio Direction Finding (RDF) and Range vs. Signal Strength tests on the 3105 kHz frequency, replicating the conditions of Earhart's final flight as closely as possible. They compiled and analyzed the results into an 88-page report titled *Statistical Analysis for Highest Probability Areas*.

The researchers' radio-informed expedition would not be their first. Nauticos first gained attention in the 1990s for helping discover the I-52 Japanese World War II submarine and has since mounted three Earhart expeditions, in 2002, 2006, and 2017.

On the 2006 expedition, the team came up empty, with nothing more than scrap cables. But every search added to Nauticos' stockpile of data. Now, with radio-based location estimates in hand, the researchers believe they could finally crack the Earhart mystery once and for all.



MICHAEL NATALE

News Editor

Michale Natale is a News Editor for the Hearst Enthusiast Group. As a writer and researcher, he has produced written and audio-visual content for more than fifteen years, spanning historical periods from the dawn of early man to the Golden Age of Hollywood. His stories for the Enthusiast Group have involved coordinating with organizations like the National Parks Service and the Secret Service, and travelling to notable historical sites and archaeological digs, from excavations of America's earliest colonies to the former homes of Edgar Allan Poe.

ARRL / CARC 2026 Field Day Recap

By Ed Fong - WB6IQN

The June 27, 2026 ARRL / CARC Field Day was a great success. We had 54 folks sign the check in log and there were probably 5-10 folks that missed the sign in. The weather was just right – low 80's. Fairbrae Swim and Tennis Center is ideal for a ARRL/CARC Field Day event. Unlike other sites, we do not need to bring tables, chairs, tents etc.

The Fairbrae banquet room can accommodate up to 125 folks and they have an industrial kitchen for cooking and/or heating food. This allows the few organizers to focus on the antennas, generators, and radio.

This year, the menu was Pizza from award winning Pizza My Heart. I figured our CARC treasury could easily afford the best pizza in town. We had used Costco pizzas in the past Field Day events which are great for youth soccer and swim teams but our CARC adults are a more selective kind of folks. We also ordered 30 pounds of lasagna with both vegetarian and traditional beef. My wife Sharadon Fong made the salad. As you can see from the pictures, folks brought an unlimited variety of desserts and drinks.

Ham Radio Band conditions were perfect. Extremely low atmospheric noise on all bands, so contacts were easy. Operators included several under 18 year old licensed ham's so we get extra points for that. Thanks to KO6MFP (Suffie Blaj) and KO6MFO(Alex Blaj).

Also several folks took advantage of the swimming pool to cool off.

Unofficially we made – 162 contacts – not a big count but we all have a lot of fun.

The grand prize winner was Jordon Makeover WA2BRV and he choose as his grand prize, uSDX+ HF all mode transceiver. He should have lots of fun with the little radio. HF all mode with CW decoder and encoder, filters from 100Hz to 6KHz.

The list of raffle prize winner are as follows:

- Grand prize USDX+ HF was won by Jordon Makeover WA2BRV
- Radtel RT-860 - Gordon Girton W6NW
- LMR400 50 ft. Coax - Thomas Leibold KK6FPP
- Professional Magnifier - Gabriel Blaj AJ6X
- LED Flashlight - Wolfgang Polak AI6SL
- Multi purpose lantern - Gorton Girton W6NW
- Rescue Tape – Joy Robins N6GO
- Journey's Edge knife - Norman Gok KM6YYI.
- Joc TG-77 SW radio - Lisa Holmes
- Doctors without borders pen/flashlight - Benedict Chua KN6WSI

- Doctors without borders pen/flashlight - Greg Zren KO6HYU

Next CARC event (Tech Talk) is the September barbecue after the swap meet at my house in Sunnyvale. More details to follow in August and September CARC newsletter.

Ed Fong WB6IQN



Mei-lin Fong KJ6QXM and Jordon Makeover WA2BRV



Attendees



Left to right Sharadon Fong, Mei-lin Fong and Norman Gok KM6YYI



Left to right: Howard N6MNV and Mei-lin Fong



Group photo of folks on left side of banquet hall



Group photo of folks on right side of banquet hall



Left to right Attendee 1, Jeff Hutchins, Jeff Simbo AK6TG



Left to right: Wolfgang Polack AD6SL, Benedict KN6WSI, and Operator 1



Left to right: Katherine Hutchins and Mei-lin Fong



Left to right: Ed Fong, Mei-lin Fong, Andrew Weisner, Violet Fong, Sharadon Fong



Food table with folks loading up on the good food.



Gabrial Blaj AJ6X



Left to right: Ed Fong, Grand prize winner
Jordan Makower – WA2BRV



Left to right: Ed Fong and Gordon
Girton - W6NW with Radtel RT-860
prize



Left to right: Ed Fong and Thomas
Leibold KK6FPP with LMR400 50 ft.
coax



Left to right: Lisa Holmes with Joc TG-77
SW radio and Ed Fong



Left to right: Ed Fong and Gabriel Blaj – AJ6X with Professional Magnifier prize.



Left to right: Ed Fong and Gordonn Girton - W6NW with Multi purpose lantern prize



Left to right: Wolfgang Polak AI6SL with LED Flashlight and Ed Fong



Left to right; Joy Robins – N6GO with Rescue Tape and Ed Fong



Left to right; Norman Gok KM6YYI and Ed Fong



Left to right: Benedict Chua KN6WSI with pen prize and Ed Fong



Left to right: Benedict Chua KN6WSI and Ed Fong



Left to right: Greg Zren KO6HYU and Ed Fong