



Cathay August 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.

Tech Article Introduction:

Pancreatic Cancer is a deadly disease that killed Steve Jobs. It is a lot more common that people realize.

Promising treatment is what the tech article is about. Please read the Tech Article Session of this newsletter.

Tech Session In Sunnyvale Introduction:

Ed Fong is hosting his much anticipated lecture on topic: Milestones in the Walkie Talkie. This much anticipated talk will take place on Saturday September 12th – 12 noon – 3PM at Ed Fong's home.

Summary Results of Our Club ARRL Field Day by Ed Fong as of July 11, 2026 at 12:03 AM

This is the final one (Field Day ARRL Contacts for 2026) with score of 1402 - better than last year 1336

Summary:

Entry received at: 2026-07-11 06:57:27

Call Used: K6SNY GOTA Station Call: (NONE) ARRL/RAC Section: SCV Class: 2A

Participants: 65 Club/Group Name: Sunnyvale ARES

Power Source(s): Generator, Battery

Power Multiplier: 2X

Preliminary Total Score: 1,402

Bonus Points:

100% emergency power	200
Public location	100
Public information table	100
Site visit by invited served agency	100
Educational activity	100
Youth participation (8 x 20, max of 100)	100
Safety officer	100 - File [safety_officer_checklist_2026.jpg] previously uploaded
Social media	100
Entry submitted via web	50
Total bonus points	950

Score Summary: (Pending Cabrillo log/dupe sheet)

	CW	Digital	Phone	Total
Total QSOs	61	0	104	
Total Points	122	0	104	226

Claimed Score = (QSO points x power mult) = 452

Submitted by: Ed Fong, WB6IQN edison_fong@hotmail.com

Band/Mode QSO Breakdown:

	CW		Digital		Phone	
	QSOs	Pwr(W)	QSOs	Pwr(W)	QSOs	Pwr(W)
160m						
80m			22	100		
40m	11	100			42	100
20m	44	100			26	100
15m	3	100			4	100
10m						
6m						
2m			7	5		
222						
432			3	5		
Other	3	2				
Satellite						
GOTA						
TOTAL	61		0		104	

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:

- August 19, 2026
- September 16, 2026
- October 21, 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>

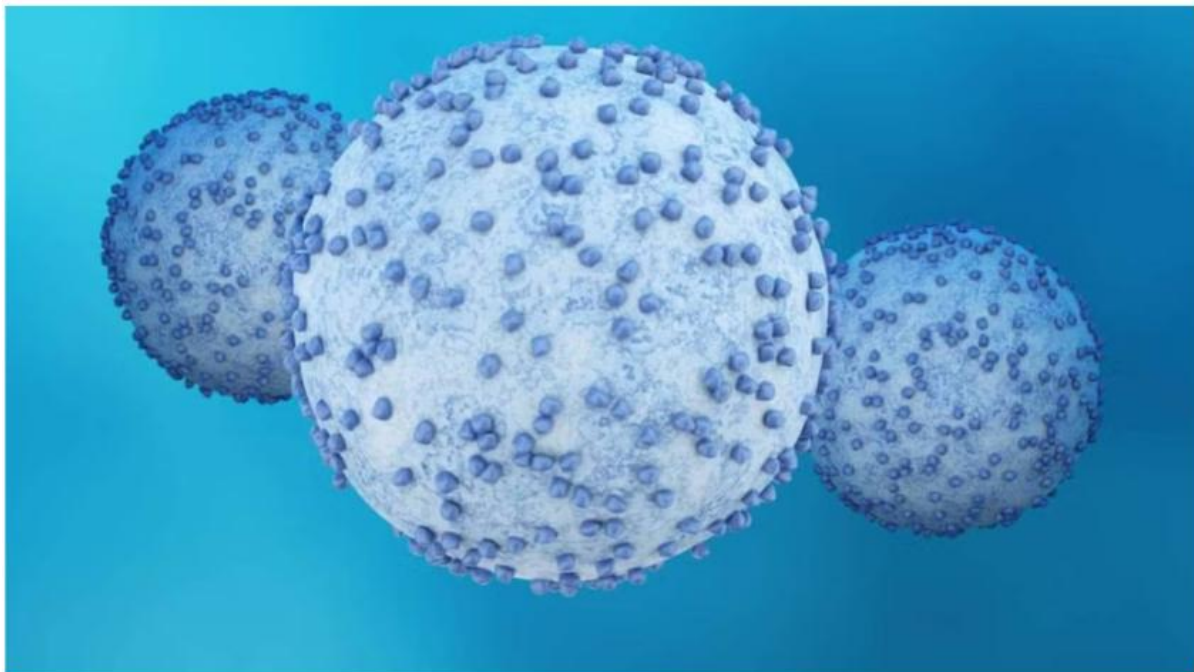
Tech Section:



Experimental drug for pancreatic cancer based on UC research offers new hope

Kate Moser, UC Newsroom Date: June 5, 2026

https://www.universityofcalifornia.edu/news/experimental-drug-pancreatic-cancer-based-uc-research-offers-new-hope?utm_source=fiat-lux&utm_medium=internal-email&utm_campaign=article-general&utm_content=img



The findings suggest a potential investigational treatment option for patients with metastatic pancreatic cancer, a disease that remains among the most lethal cancers and has limited effective therapies, UCLA Health reports.

Credit: iStock.com/luismmolina

Key takeaways

- Pancreatic cancer is notoriously hard to detect, and it's the third-leading cause of cancer deaths in the United States.
- An international study co-led by [UCLA](#) found that the drug daraxonrasib significantly extended overall survival for patients with previously treated metastatic pancreatic cancer.
- Basic scientific research [conducted at UCSF](#), and funded by the federal government, laid the groundwork for the development of the drug.

It's not every day a clinical trial earns a standing ovation, but scientists are heralding a new era in the treatment of deadly pancreatic cancer this week thanks to foundational science by the University of California.

Data on clinical trial outcomes from a new drug received an extraordinary reception at the annual meeting of the American Society of Clinical Oncology in Chicago on Sunday. The news is widely seen as a game-changer for tackling one of the deadliest cancers.

"Seeing this magnitude of benefit in a randomized phase 3 study is very encouraging for all patients with advanced pancreatic cancer and is a paradigm shift in this deadly disease," [said Dr. Zev Wainberg](#), professor of medicine and investigator at the UCLA Health Jonsson Comprehensive Cancer Center and co-first author of the study, which was published in the New England Journal of Medicine.

Basic scientific research [conducted at UCSF](#), and funded by the federal government, laid the groundwork for a better understanding of the cancer-causing mutation that the drug targets.

What it is:

- Daraxonrasib is an investigational, first-in-class oral drug designed to block one of the primary drivers of pancreatic cancer — mutations in KRAS, a gene that helps regulate cell growth. The study found that patients taking the drug lived for a median of 13.2 months, compared with 6.7 months for chemotherapy recipients. ([UCLA Health](#))
- 33% of patients who took the drug experienced tumor shrinkage, and patients reported better preservation of quality of life over time. ([UCLA Health](#))
- The drug and its maker, Revolution Medicines — a Silicon Valley company led by UCSF alumnus and biotechnology leader Mark Goldsmith — have [generated buzz](#) in the scientific community in recent months.

- Former U.S. Senator Ben Sasse (R-Neb.) [has talked about](#) his experience being diagnosed with metastatic pancreatic cancer and enrolling in the clinical trial for the new drug.
- UC San Diego is also contributing to this breakthrough, as a site — along with UCSF and UCLA — of the ongoing clinical trials for the drug.

Why it matters:

- Pancreatic cancer is notoriously hard to detect, and it's the third-leading cause of cancer deaths in the United States. The American Cancer Society estimates 67,000 people will be diagnosed with pancreatic cancer in the U.S. this year. The five-year survival rate is just 13%.
- Amid the widespread celebration of the positive data from the drug study, it's a reminder of the critical role basic science plays in developing the treatments of tomorrow that save lives and improve quality of life.

What they're saying:

[Dr. Diane Simeone](#), director of the Moores Cancer Center at UC San Diego Health, notes that progress on treating this disease has been agonizingly slow, until now. "Anything that we can bring to patients with pancreatic cancer that can change survival is amazing," she told [SurvivorNet](#). "I just want to let you know: we just made a major advance, and there's a lot more to come. We're just starting to get a whole new level of momentum."

"Having treated pancreatic cancer for 16 years, I actually started crying in the clinic," one pancreatic cancer expert said at a media briefing after the drug study results were reported at the American Society of Clinical Oncology meeting.

I just want to let you know: we just made a major advance, and there's a lot more to come.

Dr. Diane Simeone, director of the Moores Cancer Center at UC San Diego Health

Dive deeper:

Through years of research at UCSF, including a breakthrough in 2013, scientist Kevan Shokat and his colleagues developed the first cancer drugs to target a similar kind of cancer-causing mutation. After that, they tested hundreds of molecules, hunting relentlessly for a way in to the evasive KRAS protein mutation connected to pancreatic cancer. Their dogged efforts highlight the importance of basic research.

“It was a lot of trial and error, tweaking the branches of these molecules to position them in this incredibly tight space,” [said Shokat](#), a professor in the Department of Cellular and Molecular Pharmacology at UCSF. “Some got close, then failed, and we would start over.”

Tech Session in Sunnyvale **Saturday Sept 12th. (includes free lunch)** **By Ed Fong - WB6IQN**

Topic: Milestones in the Walkie Talkie

Time: Saturday September 12th – 12 noon – 3PM

Place: 1163 Quince Ave. Sunnyvale, 408-245-8210

Menu – Burgers, hotdogs, salad, drinks, ice cream for dessert

Cost: FREE

Raffle Tickets: \$5 each or 3 for \$10

Grand Prize - uSDX+ All Mode HF portable transceiver or Lenovo i5 laptop or QB25 quad band 25 watt transceiver or Nano 1.5 GHz VNA.

RSVP: edison_fong@hotmail.com

Directions:

If you need precise directions from where you are coming from, go to www.googlemaps.com. They seem to give the best directions or give me (Ed Fong) a call on the phone.

The topic will be “ Milestones of the Walkie Talkie”. There will be working historical units at this Technical Session Event.



SCR 536 The first widely use of the walkie talkie was in WWII. This would be the well known SCR536 (also known as the BC-611) that we all see in WWII movies. This unit was designed at Gavin Manufacturing (later know as a Motorola).

The SCR-536 is often considered the first modern hand-held, self-contained "handie talkie" transceiver. It was developed in 1940 by a team led by Don Mitchell, chief engineer for Galvin Manufacturing (now Motorola) and was the first true hand-held unit to see widespread use.

It was carried among the first waves to hit [Omaha Beach](#) at [Normandy](#) in June 1944 (and in [Italy](#), [Sicily](#) and [North Africa](#) before that).

Every rifle company of the U.S. 29th Infantry division had six; one for each of the three rifle platoons, two for the weapons platoon, and one for the company commander.

The [Germans](#) were deeply impressed by the SCR-536 after capturing several units in Sicily. By war's end, 130,000 units had been manufactured by Galvin (Motorola). They were also produced by other firms.

The SCR-536 weighed 5 pounds with batteries. The unit operated in [AM](#) voice mode between 3.5 and 6.0 MHz frequency range on any one of 50 channels. Plug in crystals and coils were used to control the frequency of the receiver and transmitter. The antenna was a 40 inch telescoping rod that slid into the case. The SCR-536 had an [RF](#) output power of 360 [milliwatts](#).

Hold one in your hands at the meeting. See what soldiers experienced landing on Omaha Beach.



PRC -6 Much more sophisticated the SCR536 which used AM was the PRC-6 used in Korean War and Vietnam –

First FM walkie talkie developed at Raytheon. Signal to noise was greatly improved.

47-55MHz. 13 vacuum tubes 250 mW output.

Still in use US forces until the 1980's.



AN/URC64 - All solid state and ran on 13.5 volt battery. Experience what a downed pilot had to work with. Hold a pair of these in your hands and talk through them. Send Morse code through them.

These were used by A4 pilots and other Search and Rescue (SAR) operations in the 1960's through the 1980's.

Transmit power 200mw with a range of 100 miles from a P3 SAR aircraft. Transmits an ear piercing emergency beacon.

I have these on a training frequency so the USAF will not be knocking on our door. Used in the

movie "BAT21" 1988 starring Gene Hackman and Danny Glover playing Lt. Col. Ceal Hambleton.



GE pocket mate used by the Secret Service - Ever wonder what radios those secret service folks (in the white shirts and suits) used wearing the earpieces and mic lapel? It was the GE Pocketmate - an ultra slim walkie talkie about ½ inch thick. Jack Lord used it several times in the original Hawaii 5-0.

The Secret Service chose the GE Pocketmate over the HT220 because it was half as thick. There was an attempt by Motorola to compete with the HT220 by modifying it to an HT100 with no success. In the original FBI show (1965-1974) starring Efrem Zimbalis Jr. as Inspector Lewis Erskine was seen using the GE Pocketmate.

Watergate Connection: The radio achieved a surprising degree of pop-culture and historical infamy when it was found in the possession of the Watergate burglars in 1972. There were only a few thousand of these made. Put one in your hands at the meeting.



Motorola HT100 was Motorola's answer to the GE Pocketmate. It was basically an HT220 repackaged with a limited battery and 200mW.

It was never adopted by any government agency. It was just too thick to hide under a suit jacket. Nice try Moto.



The Motorola Slimline HT220 (on the right) used throughout the 1970's and 1980's was the standard used by Steve McGarid in the original Hawaii 5-0 and Angie Dickerson in Police Woman.

This radio revolutionized the concept that every police officer can have a walkie talkie and communicate away from their vehicle.

On the left is the World's first synthesized handie talkie – Tempo S-1.

See all these radios at the September meeting and hear the stories behind them. If you have a radio that has an interesting history, bring by and share your thoughts.