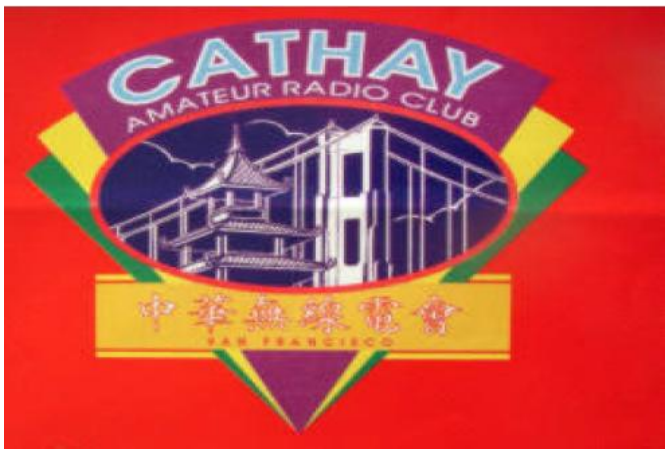


Cathay May 2026

www.cathayradio.org

President North: Leonard Tom, *NX6E* **email:**nx6e@sonic.net
Vice President South: Bill Fong, *W6BBA* - **email:**w6bba@arrl.net
Secretary/Membership: Rodney Yee, *KJ6DZI* - **email:**rodyee2000@yahoo.com
Editor: Rodney Yee, *KJ6DZI* - **email:**rodyee2000@yahoo.com
Treasurer: Rodney Yee, *KJ6DZI* - **email:**rodyee2000@yahoo.com
Web Master: Edison Fong – *WB6IQN* - **email:**edison_fong@hotmail.com
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, CTCCS/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, CTCCS/Tone PL173.3 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:

Interesting article on the use of AI in medical imaging. For more information please see the Tech Article Section of this newsletter.

ARRL Field Day CARC Event Intro:

Please mark your calendars on the upcoming ARRL Field Day June 27-28, 2026. The CARC will be hosting a field day event. Please go to the bottom of this newsletter for more details.

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:

- May 20, 2026
- 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 fora 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:

UC Berkeley News

UC Berkeley and UCSF researchers are using AI to revolutionize medical imaging - Berkeley News

UC Berkeley and UCSF researchers are using AI to revolutionize medical imaging

Amid a growing shortage of radiologists, a startup named Voio strives to make medical imaging more efficient — and more effective.

By Maya L. Kapoor

URL¨UC Berkeley and UCSF researchers are using AI to revolutionize medical imaging - Berkeley News

Researchers examine radiological imaging at a computer. The AI startup Voio aims to make medical imaging more efficient and more effective.

Accuray via Unsplash

April 16, 2026

For many patients, the scariest part of getting treated may be the claustrophobia of lying inside a narrow, noisy tube during an MRI scan, or waiting to learn about the progression of heart disease from the results of a CT scan. On the other side of the exam room wall, radiologists face a different source of anxiety: an overwhelming and growing workload.

In part due to medical imaging advances, providers are ordering ever-more diagnostic images to better understand patient health and avoid invasive procedures such as biopsies. At the same time, the global population is aging, and more patients have conditions that warrant imaging. Yet even as need skyrockets, the number of radiologists isn't keeping up — a trend that accelerated during the COVID-19 pandemic, when more radiologists than usual left their jobs. Those trends are leading to practitioner burnout and delays in patient results. According to the American College of Radiology, 2025 was the third year in a row where workforce shortages were the biggest threat to the field of radiology.

Researchers from UC Berkeley and UC San Francisco are trying to address this need with artificial intelligence — part of a growing trend in medicine of using AI to augment providers' work while addressing challenges such as the rising cost of healthcare and disparities in access to medical care.

In 2025, Berkeley and UCSF researchers launched Voio, a startup that aims to build AI models to help radiologists interpret images faster and more accurately. Voio's tools are being designed to generate draft reports, freeing up radiologists to focus on patients, and to predict patient risk for serious conditions like cancer, osteoporosis and heart failure years in advance — even anticipating how individuals will respond to different treatment regimens.

Adam Yala hopes to make a new type of clinical care possible through AI. Photo courtesy of Bryan Walker Ting/Voio

“We are empowering individual radiologists to have more impact even with overwhelming workloads — and ultimately, to save more patients’ lives,” said Voio CEO Adam Yala, an assistant professor of Computational Precision Health, Statistics, and Computer Science at UC Berkeley and UC San Francisco. Voio plans to develop similar advancements through AI across other medical fields as well.

Yala launched Voio with co-founders Dr. Maggie Chung, assistant professor in residence in the Department of Radiology and Biomedical Imaging at UCSF, and Trevor Darrell, professor in residence at UC Berkeley’s Electrical Engineering and Computer Sciences Department.

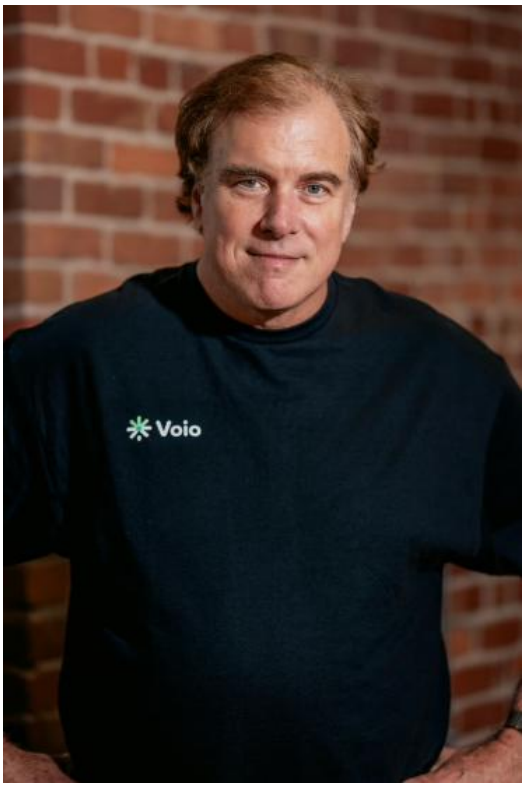
Before launching Voio, the researchers developed Pillar-0, an open-source AI model trained on troves of UCSF medical images to detect current conditions such as brain hemorrhaging, as well as looming concerns not detectable by radiologists, such as long-term lung cancer risk. According to Yala, Pillar-0 is the world’s best foundational AI model in radiology today. Teams of researchers, engineers and doctors around the world are building off of it, creating ever-better cancer prediction models and diagnostic tools.

Voio is now developing Pillar-1, a new AI model that will be able to detect patient risk related to different medical threats from an even wider array of images, consolidating the findings in a draft report for the radiologist. Yala says it will assist in interpreting the most complex cases, offering insights into disease progressions that currently aren’t detectable by radiologists. Pillar-1 is part of a system Voio is developing that will also complete tasks that don’t require specialized medical training in radiology, such as transcribing doctors’ voice notes or collating patient data.

Making radiology more efficient and accurate

Chung is excited about helping her fellow-radiologists have more time for patient care. “When we reduce manual, non-technical tasks, we give radiologists back the joy of their work,” she said. “It lets us return to why we became radiologists. We are the detectives behind the hospital. Through imaging, we make the key findings that have big clinical impact on our patients.”

Dr. Maggie Chung wants AI products to help radiologists focus on patients and making key findings. Photo courtesy of UCSF Department of Radiology and Biomedical Imaging



Voio co-founder Trevor Darrell says radiologists need AI tools that help them be more effective, accurate and productive. Photo courtesy of Bryan Walker Ting/Voio

Yala's hopes for Voio go far beyond virtual work assistants — he wants AI to revolutionize clinical guidelines for radiologists. "The way we think about public health should be transforming," he said. "It should not be that the way we serve you digital ads is more sophisticated and personalized than the way that we serve you cancer screenings."

It's an ambitious goal, one that Yala first embraced during his doctoral research at MIT, where he created Mirai. Mirai is an open-source AI model that can identify people who are high-risk for breast cancer years before radiologists can. He later designed Sybil, an open-source model that does the same for lung cancer risk. Yala said that collectively, more than 90 hospitals across 30 countries are conducting studies or trials using Mirai or Sybil, in some cases building off of them to develop their own medical AI models. A prospective study of Mirai led by Chung recently found that using AI could help women at high risk for breast cancer get faster evaluations. Several hospitals across the U.S. are recruiting patients for a new clinical trial to further study Mirai's breast cancer detection rates.

“These tools are advancing the state of the art in oncology,” Yala said. “You make a new type of clinical care possible because you can see into the future. You can be proactive.”

According to Darrell, while AI tools already exist that automate some parts of radiologists’ work, they have not been shown to make radiologists more productive overall. “That’s what is really going to make a difference,” Darrell said. “We don’t need more automation adding bells and whistles in front of a radiologist. We need AI that makes them more effective, accurate and productive. That’s what we are building.”

Yala, Chung and Darrell’s collaboration emerged from the UCSF/UC Berkeley Joint Program in Computational Precision Health (CPH), which was established in 2021 to apply a mix of technological approaches including bioinformatics, genomics, machine learning and simulations to improving clinical care. Yala was one of CPH’s first faculty; to this day, he drives between campuses to teach. From the very beginning, Yala embraced CPH’s goal of developing AI models that have a real impact in people’s lives.

“I think that at CPH we have the best ecosystem in the world to enable this kind of innovation,” Yala said. “I’m very grateful to be here.”

Yala said that as a private startup, Voio now has access to orders of magnitude more data to develop Pillar-1 and other models than his university team. “Voio is quickly making really big leaps in what AI models can do,” he added.

Most of all, Yala said he is excited to get Voio’s AI tools into practitioners’ hands — to make a true difference for overwhelmed radiologists. “With our models and products, it’s going to be genuinely more exciting and empowering to be a radiologist next year than last year,” he said. Hopefully, in the future radiologists will be able to worry less about overwhelming workloads, and focus more on patient care.

<<< End of Article >>>

The 2026 Annual CARC / SARES Picnic - ARRL Field Day

Cathay Amateur Radio Club – Sunnyvale Amateur Radio Emergency System

By Ed Fong

Date : Saturday June 27, 2026 – starting at 2 PM - dinner is at 4PM

Where: Fairbrae Swim & Racquet Club - 696 Sheraton Dr, Sunnyvale, CA 94087

Cost: **Free to all CARC / SARES Members, family and friends** - we ask you to bring a dessert, fruits (watermelon, oranges, apples, etc) and /or drinks

Raffle tickets: - $5 each or 3 tickets for $10

RSVP: edison_fong@hotmail.com

ARRL Field Day is coming up this year. It will take place Saturday June 27, 2026. Mark your calendars. This is the Field Day to be at. Last year we had 72 registered attendees.

Again, we have reserved the very exclusive Fairbrae Swim and Tennis Club in Sunnyvale, CA. This venue was brought back by popular demand having previously hosted CARC/SARES Field Day events. This is a beautiful well-maintained private facility in the heart of Silicon Valley with easy driving access and plenty of parking. It has a half Olympic size swimming pool, two full size tennis courts, large picnic area, industrial kitchen and full-size dining hall, clean restrooms, and showers for use of both members and guests.

We have reserved the facility from 2 PM Saturday, June 27,2026 through Sunday (at least till noon) for our CARC/SARES ARRL 2026 Field Day.

This year we will bring back the Italian Feast. Pizza by Pizza My Heart (winner of many awards), lasagna (both vegetarian and meat), and Italian salad. Folks can bring desert – I will provide for the famous chocolate mousse cake.

Bring your entire family (or extended family) and friends to have a great day of socialization, great food, swimming, tennis, and of course HAM Radio.

Radios and antennas will be set up for HF and VHF the day before. Bring your own radio and feel free to plug it in and operate. This is a great opportunity to operate other radios and experience the look and feel of various manufacturers.

There will also be the traditional raffle, which will include but not limited to – the uSDX+ HF all mode transceiver, quad band mobile radio, antennas, etc.

Raffle tickets are $5 each => 3 for $10

A partial sample of raffle prizes are shown on the next pages:

1st Prize Lenovo – Thinkpad

- i5 processor with 8GB of memory and 256GB SSD
- Windows 11 Pro operating system
- 14 inch screen - just perfect to carry around.

uSDX+ - QRP HF transceiver - Covers 80-6 meters – SSB, CW, digital QRP transceiver. 5 watts CW/SSB. Built in CW decoder, full DSP noise reduction. Complete with 4000 mAhr Li-on battery, AC adapter/charger, Speaker/microphone.

Radioddity QB25 (Quad Mobile 25 watt transceiver) 2 meters, 1.25 meter, 70cm

This radio boasts 200 memories, full software programmability, great bullet proof front end with 0.25 uV sensitivity, full FM broadcast radio, direct microphone key pad entry, and 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 this radio.

DSO03D12 120 MHz dual trace scope with probes - features a built in DVM and signal generator. Even has FFT mode mimic a spectrum analyzer. Every bench should have one.

Nano VNA - H4 - 4 inch 1.5 GHz VNA - Tuned antennas, duplexers, filters etc. Full touch screen. Latest version includes functions for TDR – time domain reflectometer.
Includes cables and full calibration kit.

Baofeng UV5R dual -band handie talkie

Drop in Lion smart charge, 1800 mAh Lion, battery, belt clip, antenna

Frequency coverage:

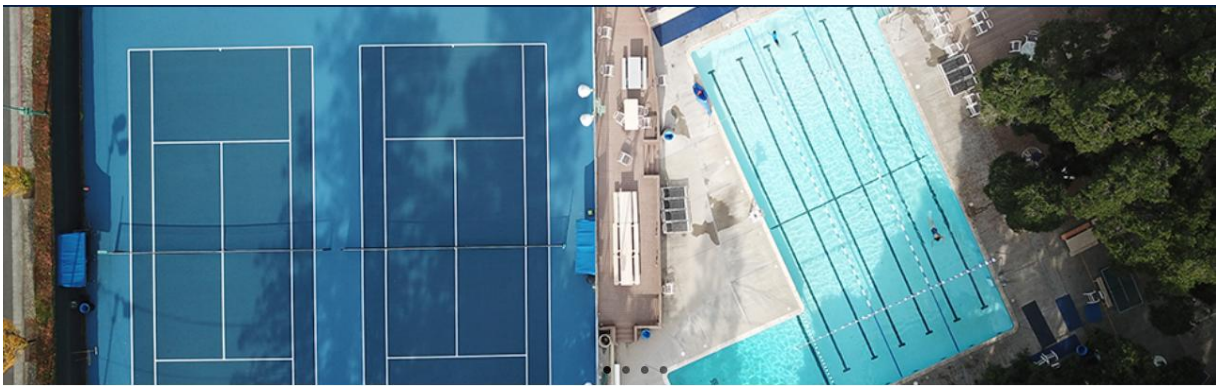
- 65-108 MHz – FM broadcast – receive only
- 136-174 MHZ – VHF – TX/RX
- 420- 520 - MHz - TX/RX

Mark your calendars – this is going to be fun!!!!

See pictures on the next page of the exclusive and well maintained Fairbrae Swim & Racquet Club in Sunnyvale, CA.

Half size Olympic swimming pool.

Lounge Area



Overhead shot of Tennis courts and Swimming Pool

73, Ed Fong – *WB6IQN*