

THE COASTSIDE COMMUNICATOR

Vol. 57 No. 08 ~ August 2025

www.coastsidearc.org

CARC Meetings are held in the EOC Room at the Pacifica Police Station Talk in: 146.925MHz, (-)offset, PL 114.8, WA6TOW Repeater

Don't miss the August 13th CARC Meeting! Dr. Ed Fong will be a guest speaker, via Google Meet

PRESIDENT'S COLUMN

Hello HAM's

I recently participated in an Amateur Radio public service event, the San Francisco Marathon, with the San Francisco Amateur Radio club. What I took away, Amateur Radio is relevant and an important public service. Even though the event coordinators had cell phones and two way radios, we provided a service no one else was prepared (I stress prepared) to do. Our knowledge of radio technology, radio discipline and etiquette, made for a very efficient deployment of vehicles used to pick up injured and exhausted runners. We had many obstacles to overcome in real time, but we were useful because we were prepared. Preparation only comes with practice. Practice by participating in events; regular use of the radios to develop radio etiquette and having equipment in working order. We could have used many more HAM radio volunteers, so please participate in your local HAM radio public service events.

I look forward to the August meeting with Dr. Edison Fong as speaker. Ed designed an excellent J-Pole antenna, known around the world. The August meeting will be online only (no in person meeting). Members will receive a meeting link by email.

'73 Ralph Kugler, KC6YDH Club President

CARC July 09, 2025 MEETING MINUTES

Call to Order - The July 9, 2025, meeting called to order at 7:30pm by President Ralph Kugler-KC6YDH, on Google Meet

Self-introductions - Waived.

Minutes – Motion made by Jon-N6SJF and seconded by George-KJ6TSX to approve the June minutes as published in the July Coastside Communicator.

TREASURER'S REPORT - The funds provided by the Treasurer as of July 9, 2025, are:

- Treasurer emailed current status of accounts
- Current membership:
 - Active Members: Per Secretary, currently: 28, 7 paid to end of 2024, 28 currently paid through 2025+, 79 paid prior to 2024 (needs corrections: moved/no longer a member/deceased), 4 new members since 2024. Total: 112 a/o 20250712
- Field Day Site rental \$600 due to Skyline College by end of the month, expenses: food -\$54.73
- Treasurer corrected error from last report on account totals
- Dues: 2 renewals, 1 New Member joined at last meeting.

Bills needing approval - None

Correspondence - None

COMMITTEE REPORTS

Repeater Status:

Current Yaesu repeater: No change in status. Steve considering moving Yaesu repeater to UHF.

Replacement Motorola Repeater: No status update. Progress in readying repeaters for move to the hill.

Newsletter – Updates made to "About CARC" in the newsletter. July Communicator published and emailed to Paul-AI6BB for upload on the website.

Website – Updates made to "About CARC" on website.

UNFINISHED BUSINESS

A. Speakers giving presentations –August 13th meeting, Ed Fong Google Meet. Ralph-KC6YDH talked to him on the phone on 7/8.

B. 2025 Field Day: After event report. Rental fee of \$600 due at end of the month. Had a great time, the weather was great. We had 14-people sign-in, 11-Club Members, 3-Visitors (may have been a few more, but didn't sign-in). A Member gave a person the CQ Flyer with Club info as they seemed interested in Ham Radio. We need to generate more flyers/info on the Club for handouts.

C. CERT Antenna: Update: - Tabled to next meeting.D. Bay Area NVIS Net: Update - Tabled to next meeting.

NEW BUSINESS

A. The Treasurer wants to make a motion to terminate banking with US Bank. 20250629 – Treasurer sent letters to possible banks for a response on their features/benefits. Tabled to next meeting.

B. Constitution & Bylaws – Paul used Gemini AI to update to current standards of governance, separating the Constitution and Bylaws into 2 sections. Paul and Tom to further review and update and present to the E-Board, then the Club for review and approval.

C. Discuss purchasing a signal/spectrum analyzer – Tabled to next meeting.

D. Introduce/Discuss DMR Radios - Tabled to next meeting. E. CARC Website & Communicator "About CARC" verbiage

- Completed, remove from list.

F. Get new HAM's to join CARC – Tabled to next meeting.

Adjournment

Motion made by Dave-K1AAD and seconded by Bharat-W2OKB to adjourn the meeting at 8:18pm. Meeting adjourned.

Present at the Meeting:

Officers: President: Ralph Kugler-KC6YDH, Vice-President: Paul Atkins-AI6BB, Secretary: Thomas Oliver-KJ6OGL,

Treasurer: Absent

Members: Dennis-KN6QER, George-KJ6TSX, Eric-KO6JRD, Frank-N6FG, Jon-N6SJF, Georgia-KE6KRT, Dave-K1AAD, Bharat-W2OKB

Submitted by: Thoms Oliver-KJ6OGL, Secretary

Field Day Message from ARRL

Paul-AI6BB copied the ARRL Message: K6KPH-Field Day Bulletin-Starts in 5 minutes-K6KPH follows ARRL HO Newington, CT-June 27, 2025-To all Field Day Amateurs, Field Day Is Here-You are participating in the largest Amateur Radio Event of the year, across North America-HAMs are coming together, Getting On The Air, and sharing their passion for the Amateur Radio Service-Theme this year is "Radio Connects"-Amateur Radio connects people across generations, across town, across the country and across the world-It serves as a pathway into careers for future technical leaders-ARRL Field Day is an opportunity to (shtdwerise(?) exercise (oser(?) our skills to (----(?) give visitors a warm welcome and make them feel a part of it-Publicize your activation using social media with the (hsshtaf(?)-QST DE K6KPH, ARRL FD-QST DE K6KPH We want to have your photos appear in the QST-Be sure to submit your entry using the online entry form, at ARRL before 359UTC on Wednesday, July 2, 2025.

(Ed. – If anyone else copied the message, please send to kj6ogl@arrl.net)

Hello CARC Members and Friends, Tony Dowler, K6BV (ARRL ACC/SCV), has some used ham gear for sale. If interested, please contact him at: dxer@k6bv.net, Please pass along to any new ham radio operators.

No Electronics Flea Market? Then come to:

Amateur Radio & Electronics

Garage Sale
Presented by K6BV & K6KLY



Saturday, August 9, 2025 9am -4pm

Amateur Radio Tranceivers & Accessories
Amplifiers, Parts , Audio Components - Computers
DVDs & MORE . Everything Goes
Talk-in: WA6TOW 146.925 - (146.325) PL 114.8

Information: info@k6bv.net

NEWS

7/22/2025 - ARRL Files Comments to Protect 70-

Centimeter Amateur Band - ARRL has filed comments with the Federal Communications Commission (FCC) to oppose part of an application that would impact the 70-centimeter amateur band for telemetry, tracking and command (TT&C) of satellites. The application, from AST & Science, LLC (AST), requests "unprecedented authorization to 430-440 MHz for a constellation totaling 248 satellites to communicate with five ground stations using up to five channels with up to 256 kHz bandwidth."

The formal opposition, filed by ARRL's Washington Counsel, asserts that the permission AST seeks to use the 430-440 MHz band "should be denied because AST does not demonstrate need for TT&C spectrum beyond that available within existing allocations."

The filing goes on to highlight just how unprecedented the request is:

The Requested Spectrum Is Not Allocated for the Requested Purpose

The 430 – 440 MHz band is not allocated domestically or internationally for the requested space-to-Earth and Earth-to-space satellite TT&C operations. As others already have noted in this proceeding, signals in this band from AST's current 5-satellite constellation have been observed throughout the world, including in the United States, notwithstanding that the satellites are authorized to communicate only with five ground stations well outside the *United States. From the operations by the current five* satellites, it appears that the satellites at times have transmitted continuously in the 430 – 440 MHz band throughout their orbit, not just when in communication with one of the authorized ground stations. This activity defeats the purpose of preventing interference in the United States by limiting operations in this band to ground stations distant from the United States. Authorizing an additional 243 satellites to use this band, which would result in multiple satellites over the U.S. at all times, would effectively usurp this band's allocated use.

The 70-centimenter band is also used in emergency communications. As recently as early July, ARRL volunteers serving in the Amateur Radio Emergency Service® (ARES®) made headlines for providing critical communications in flood-ravaged areas of the Texas Hill Country. Allowing the 70-centimeter band to become overrun with TT&C operations could impact the ability for the Amateur Radio Service to be used in future disasters. "TT&C operations in the 430 – 440 MHz band are capable of causing harmful interference to radio amateur communications, including to amateur satellites operating in the 435-438 MHz subband," the comments state.

The comments go on to outline why the application would be non-compliant with the ITU Radio Regulations Treaty.

Reply comments to the application are due by August 5, 2025. ARRL will continue to promote and protect amateur radio spectrum.

Amateur Radio Volunteers Serving During Texas

Floods - Volunteer amateur radio operators in the ARRL ARES are embedded with local served agencies in the areas of central Texas affected by devasting floods.

The needs and assignments have been changing, but ARES volunteers are stepping up to the dynamic needs of their communities. "This is a very fluid situation, it changes by the hour," said ARRL South Texas Section District7 Emergency Coordinator Terry Jones, K5LGV.

The trained ham radio operators were activated starting on Friday, July 4, 2025. Radio amateurs are providing communications capabilities to agencies whose primary systems were damaged in the flooding event or where they suffer poor connectivity due to the terrain.

ARES members helped the American Red Cross with setup of a reunification shelter in response to the floods. Ten hams were assigned to search-and-rescue teams.

Dozens of health and welfare messages were passed by ham radio operators who provided a critical link when phone lines were overwhelmed. "A lot of this is tied to circuit overload preventing folks from making direct contact with family members in the area," said Kevin McCoy, KF5FUZ.

During the flooding event and subsequent search and recovery missions, ARES members have been deployed to serve many different counties, including hard-hit Kerr and Kendall Counties. Mutual aid has been offered between several surrounding ARRL sections.

The story continues to develop, please refer to <u>ARRL News</u> for more information as it comes in.

Call for Nominations for ARRL Director and Vice Director - Attention: Full ARRL members in the PACIFIC, ROCKY MOUNTAIN, SOUTHEASTERN, SOUTHWESTERN, and WEST GULF Divisions. You have the opportunity to choose a Director and Vice Director to represent you for 3-year terms beginning January 1, 2026. ARRL is governed by its Board of Directors. A voting Director is chosen by ballot by the full (licensed) ARRL members in each of its 15 divisions. Vice Directors who serve in the absence of the Director at a Board meeting and succeed to the position of Director should a vacancy occur, are chosen at the same time. Elections are held in five divisions per year. It only takes 10 full members in a division to nominate a candidate for either office.

The Incumbents

The incumbent Directors and Vice Directors, respectively, in the five divisions in which elections will be held this year are: **Pacific**: John Litz, NZ6Q; **Rocky Mountain**: Jeff Ryan, K0RM, and Dan Grady, N2SRK; **Southeastern**: Mickey Baker, N4MB, and Andy Milluzzi, KK4LWR; **Southwestern**:

Dick Norton, N6AA, and Ned Stearns, AA7A; and **West Gulf**: John Robert Stratton, N5AUS, and Lee Cooper, W5LHC.

For full posted report, visit ARRL News.

ARES Celebrates 90 Years of Service

READY-RESPONSIVE-RESILIENT



The Amateur Radio Emergency Service® (ARES®) is an

ARRL program made up of licensed amateurs who have voluntarily registered their qualifications and equipment with their local ARES leadership for communications duty in the public service when disaster strikes. ARES volunteers dedicate their time, skills, and resources to support emergency response efforts across the nation and ensure that vital information flows during crises.

ARES's effectiveness is amplified through its strong partnerships with FEMA, emergency management agencies, the Red Cross, the Salvation Army, local emergency planning committees, and other stakeholders to develop and implement emergency communication plans.

Great Numbers Stacking up for 2025 ARRL Field

Day - The numbers for 2025 ARRL Field Day continue to grow. As of today, July 10, 3227 entries have been received and each day the list gets bigger, according to ARRL Contest Program Manager Paul Bourque, N1SFE. "Get those entries in!" he encouraged. The deadline is July 29.

It was a big year for ARRL Field Day on social media. 260 public posts across several platforms used the hashtag #ARRLFD. That doesn't even cover posts in groups or on private pages. The public posts alone reached 3.5 million viewers.

There was also significant growth in news media coverage of 2025 ARRL Field Day. Using ARRL's media monitoring suite, staff was able to track that amateur radio public information volunteers generated \$37.5M in ad value equivalence (AVE) year-to-date around ARRL Field Day alone. That's a metric that tracks the amount of money that would have to be spent to buy advertisements that get the same number of viewers that news stories or "earned media" did.

That's up from \$18M in 2023 and \$20M in 2024. There were 1,810 media mentions of ARRL Field Day year-to-date, a 70% increase from 2024.

"We're hearing from clubs that were featured in coverage that people have been calling and wanting to get into amateur radio," said ARRL Public Relations and Outreach Manager Sierra Harrop, W5DX. "It shows that the outreach value of ARRL Field Day is significant."

In Brief

2025 ARRL Field Day a Success - Tens of thousands of hams are celebrating a successful 2025 ARRL Field Day! The largest annual amateur radio event is also one of the most beloved, as shown by countless social media posts. Activity was high, with 1536 sites in the ARRL Field Day Site Locator, and that doesn't even count the home stations, portable operators, or other participants.

Changes in the ARRL Pacific Division - Dr. Carol Milazzo, MD, KP4MD, of Citrus Heights, California, has been appointed Vice Director of the ARRL Pacific Division, effective July 9, 2025. She replaces John Litz, NZ6Q, who acceded to the position of Director in May. She will serve the remainder of a three-year term ending December 31, 2025.

Since 2015, Dr. Milazzo has served as Section Manager of the ARRL Sacramento Valley Section. She is a Volunteer Examiner and an ARRL Life Member.

The ARRL Pacific Division is comprised of the ARRL Sections of East Bay, Sacramento Valley, San Francisco, San Joaquin Valley, Santa Clara Valley, Nevada, and Pacific.

ARRL The National Association for Amateur Radio® is governed by an all-volunteer Board of Directors. Elections are held for five of the 15 ARRL Divisions each year, for terms of 3 years.

Changes in the ARRL Sacramento Valley Section -

Jay Ballinger, N6SAC, of Antelope, California, has been appointed Section Manager of the ARRL Sacramento Valley Section, effective July 16, 2025. He will serve the remainder of a term that expires on September 30, 2027.

He replaces Dr. Carol Milazzo, MD, KP4MD, who was appointed as Pacific Division Vice Director. Dr. Milazzo has served as Section Manager since 2015.

The ARRL Field Organization is the grassroots corps that makes up the 60,000 volunteers among ARRL membership. It is divided into 71 sections, each of which is led by a volunteer Section Manager who is nominated and voted on by the members of the section. Section Managers serve two-year terms.

The ARRL Solar Report 07/25/2025



7/24/2025 - Solar activity has been at low levels this week, with only C-class flare activity.

Region 4149 (N17E37, Esi/betagamma) underwent evolution as it grew in overall length and developed spots in its intermediate area. No Earth-directed CMEs were observed in available coronagraph imagery.

A filament eruption was observed on July 23 centered near N07W12. The associated CME was then observed first in STEREO A coronagraph imagery around July 23, with what is perhaps a secondary portion of the filament eruption then becoming visible in LASCO C2 coronagraph imagery, which appears as a very faint partial halo. Modeling of this event determined an arrival at Earth near mid-day on July 27.

Solar activity is expected to be low with a chance for M-class flares (R1-R2/minor-moderate) through July 26.

The solar wind environment has reflected negative polarity coronal hole high speed stream (CH HSS), but enhanced solar wind conditions due to negative polarity CH HSS influences are expected to continue through July 25. A return to a more ambient-like environment is anticipated for July 26.

The 10.7-centimeter flux: July 24, 142; July 25, 138; July 26 – 27, 135; July 28 – 30, 130

Predicted sunspot numbers: July 24, 135; July 25, 135; July 26 -27, 148; July 28 - 30, 136

weekly, full report is posted on <u>ARRL News</u>.

Coming Events

Pacifica CERT will be holding training classes beginning in August. For further information: https://www.cityofpacifica.org/departments/police/natural-disasters/cert

The **Sunnyvale Electronics Flea Market** returns in 2025. The hours are from 6:00AM until 12:00 Noon. Please observe a quiet time before 8:00AM Daylight Saving Time goes into effect March 9, 2025 with clocks moving ahead one hour at 2:00AM. If you forget, you will be an hour later than you think.

The Electronics Flea Market does not solicit or accept advance reservations for selling spots. Please ignore any offers you might receive. [Check https://asvaro.org/efm for updates before attending these events in case of scheduling changes.]

The **Silicon Valley VE** group is holding online amateur radio exam sessions on the first and third Saturday morning of every month. More information can be found at https://www.svve.org, or by emailing Morris Jones, AD6ZH at ad6zh.mj@gmail.com.

Arv's - WA6UUT (SK) Wednesday Ham Radio Luncheon

Our 18th Year! >> Since May 2, 2007 <<

Black Bear Diner - 415 East El Camino Real, Sunnyvale, California, (Just "North" of South Fair Oaks Avenue on El Camino Real) - 11:30 AM ~ 3:00 PM

Website: www.blackbeardiner.com. Every Wednesday – Not a Club, Closed Group or Clique: Amateur Radio Operators & Friendly People Are Encouraged To Attend! Call in on the N6NFI Repeater – 145.230MHz, PL 100Hz.

QCWA NorCal Chapter 11 - Lunch at Harry's Hofbrau 3rd Wednesday of every month, 1909 El Camino Real, Redwood City, CA. No host. 11:00AM to 1:00PM (approx.).

North County Fire Authority CERT Training – For information: https://northcountyfire.org/home/cert-classes/

AMATEUR RADIO - GENERAL CLASS & EXAM Sept 20th & Oct 11th 2025 - Exams Nov 1st

Members from the Half Moon Bay and SC4 Amateur Radio clubs are hosting a free two-day General Licensing Class on Sept 20th and Oct 11th beginning at 10 AM at the HMB Library. Both classes will be on a Saturday and will adjourn by 5 PM. To register for the class, please contact us at: licensing@hmbarc.org.

We are also hosting an in-person FCC Licensing Exam on Saturday Nov 1st from 10 AM until 1 PM at the HMB Library. All license class exams will be offered and it is not required that you attend the Licensing class. You must however register for the exam by Oct 27th at: https://ham.study/sessions/6882af87f5c0ec28eeeb22df/1

Once licensed, amateur ("ham") radio allows you to communicate over long distances without relying on the internet or the cell phone network. It's great for emergencies, outdoor communications, fun and experimentation!

Please email licensing@hmbarc.org if you have any questions or see www.hmbarc.org for more info.

If you have an event you'd like posted in the Coastside Communicator, please send to: ki6ogl@arrl.net



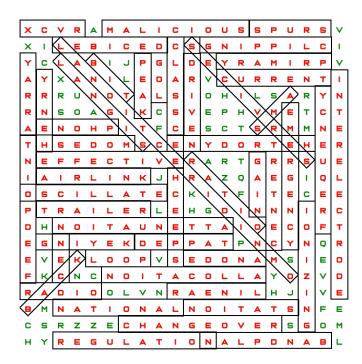
AUGUST PUZZLER

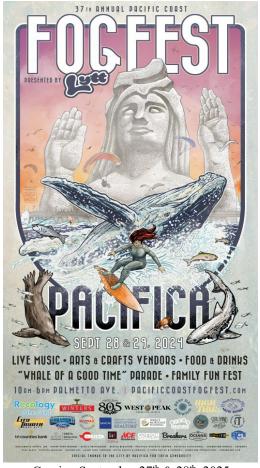
PAUL ATKINS, AI6BB

WORDLIST

accredited gfci oscillate ground ampere ray harmful amplitude refract anode header resistance balun horizontal rfburn carrier hotswitching root incremental component shift constant local speech detector logic stub diode micro sudden disturbance mode to driven modulate tranceiver equalization mount transistor factor multiplier vertical flattopping optimization whip fregion yagi

ANSWER TO JULY'S PUZZLER





Coming September 27th & 28th, 2025

CARC MEETING/EVENT SCHEDULE

Date	Event	
Jan 8th	Firehouse Meeting - 2025 Event Planning	
Jan 25th - Jan 26th	ARRL Winter Field Day	
Feb 12th	CARC Meeting - 2025 Agenda Final	
Mar 9th	Daylight Savings Time Starts	
Mar 12th	CARC Meeting	
Apr 9th	Pizza Meeting – Round Table Linda Mar	
Apr 27th	HMBARC Dream Machines - HMB Airport	
May 14th	CARC Meeting - Guest Speaker & Field Day Planning	
June 11th	CARC Meeting – Guest Speaker Wayne of Elecraft – Final FD Planning	
June 14th	Flag Day	
June 28th	ARRL Field Day – Skyline College Field at Parking Lot P	
Jul 9th	CARC Meeting	
Aug 13th	CARC Meeting	
Sep 10th	CARC Meeting - Fog Fest Planning	
Sep 27th - Sep 28th	Pacific Coast Fog Fest – Palmetto Ave., Pacifica – 10am - 6pm	
Oct 8th	ARC Meeting – 2026 Nomination of fficers	
Nov 2nd	Daylight Savings Time Ends	
Nov	CARC Dinner Meeting - Election of 2026 Officers - Date and Time TBD	
Dec 10th	CARC Meeting - Holiday Potluck	

* All meetings are held at 7:30pm, at the Pacifica Police Department, EOC Room, 2075 Coast Hwy, Pacifica, unless otherwise posted. If possible, meetings will also have a Google Meet component.





www.smcready.org cert@pacificapolice.org



COASTSIDE AMATEUR RADIO CLUB

Join the Coastside Amateur Radio Club (CARC)

The Coastside Amateur Radio Club (CARC) is a welcoming, ARRL-affiliated community of amateur radio enthusiasts. Since 1959, we've been serving Pacifica and the surrounding Bay Area providing vital emergency services to the City of Pacifica.

We invite you to join our monthly meetings, which are held on the **second Wednesday of each month at 7:30 PM** at the Pacifica Police Station, 2075 Coast Highway. Visitors are always welcome, so please stop by! We recommend checking the **Coming Events** page on our website, www.coastsidearc.org for any schedule changes.

Membership dues are \$20 per year, which helps support the club and repeater system.

CARC maintains a robust repeater and digipeater system on the North Peak of Montara Mountain (1900 ft. elevation), providing excellent coverage for the Coastside and beyond.

2-Meter (Voice) Callsign: WA6TOW/R **Frequency:** 146.925 MHz **Offset:** -600 KHz

PL Tone: 114.8 Hz

APRS Digipeater Callsign: WA6TOW-2

Frequency: 144.390 MHz

CARC/Pacifica OES VHF Simplex: 146.535 MHz PL 114.8 Hz

Note: The WA6TOW-UHF repeater is currently not available.

VHF Nets

The club sponsors a VHF net each Wednesday, with the exception of meeting nights, at 20:00 hrs. for membership check-ins, notices, and QST's.

HF Net

The club sponsors a HF rag chew net on 3.852 MHz, or the first clear frequency up/dn, on Saturday at 09:00 hrs. with an alternate frequency of 7.228 MHz.

The **COASTSIDE COMMUNICATOR** is a monthly publication of the **CARC**. All articles contained herein are the opinions of the authors and not necessarily those of the club members or editor. This newsletter contains material from The ARRL Letter as permitted by the American Radio Relay League.

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COASTSIDE NETS

Monday

7:00 PM on WA6TOW 146.925 MHz, PL 114.8 Pacifica CERT Net

Tuesday

7:30 PM on WA6TOW 146.925 MHZ, PL 114.8 Daly City Net

8:00 PM on WA6TOW 146.925 MHZ, PL 114.8 and KC6ULT 146.865 MHz, PL 114.8 simultaneously, but not linked. San Mateo County ACS Net

Wednesday

8:00 PM on WA6TOW 146.925 MHz, PL 114.8 Coastside Amateur Radio Club Wednesday Night Check-in.

Saturday

10:00 AM on WA6TOW 146.925 MHZ, PL 114.8 QCWA Ch. 11 NorCal. Net

Sunday:

7:00-7:45 AM on WA6TOW 146.925 MHz, PL 114.8 Knights of the Megahertz Net

Note: All 2m repeater traffic is recorded and may be replayed at audiostickerburr.net.

CLUB OFFICERS			
Office	Name	Call	
President	Ralph Kugler	KC6YDH	
Vice President	Paul Atkins	AI6BB	
Secretary	Thomas Oliver	KF6OGL	
Treasurer	Stephen Austin	KN6ORM	
	CLUB STAFF		
Control Officer	Stephen Austin	KN6ORM	
Trustee of Club Call	Stephen Austin	KN6ORM	
Station Technician	Michael Herbert	WB6JKV	
Field Day Coordinator	Jonathan Lancelle	N6SJF	
Membership	Stephen Austin	KN6ORM	
Newsletter Editor	Thomas Oliver	KJ6OGL	
Newsletter Publisher	Paul Atkins	AI6BB	
Website	Paul Atkins	AI6BB	
Emergency Services			



Meeting Notice:

August 13, 2025, 7:30 PM - Pacifica PD EOC & Google Meet

Watch for Invitation via E-Mail or Contact CARC_INFO@COASTSIDEARC.ORG to be added

COASTSIDE COMMUNICATOR

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FIRST CLASS

TO: