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# THE COASTSIDE COMMUNICATOR

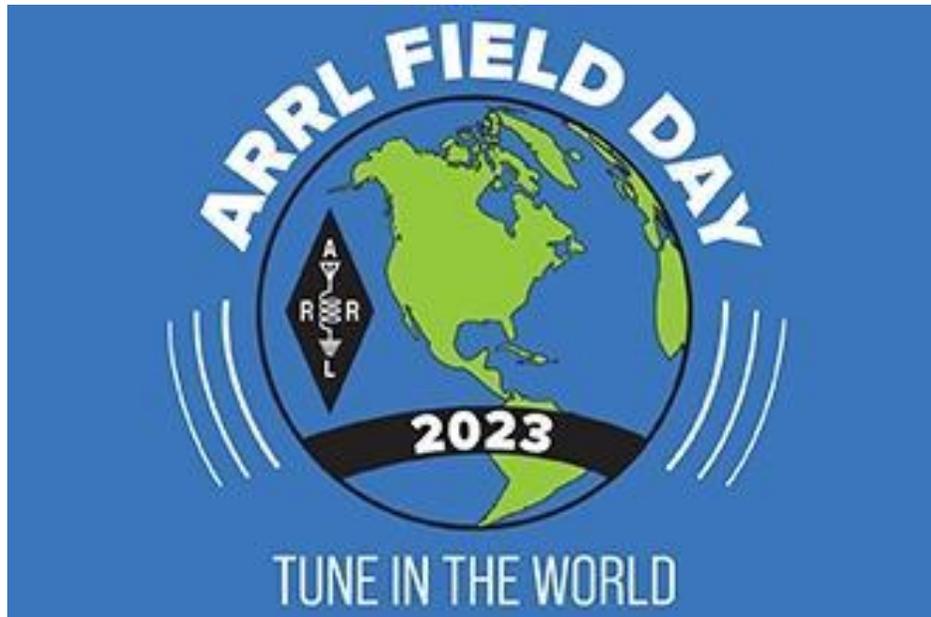
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VOL. 55

No. 6 ~ JUNE 2023

[WWW.COASTSIDEARC.ORG](http://WWW.COASTSIDEARC.ORG)



**IF YOU WOULD LIKE TO BE A VOLUNTEER RADIO OPERATOR FOR FIELD DAY,  
CONTACT EVENT COORDINATOR JON LANCELLE – [N6SJF@KNOSYS.COM](mailto:N6SJF@KNOSYS.COM)**

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## **Coastside ARC Field Day — June 24-25, 2023 at Oceana HS**

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### PRESIDENT'S COLUMN

ARRL Field Day 2023 is here! As we did last year, we will be operating from the north parking lot of Oceana High School on June 24th and 25th. We have just about the number of volunteers to make this happen and if you would like to help out by volunteering for operating, set-up and tear-down, please contact Jon at [n6sjf@knosys.com](mailto:n6sjf@knosys.com).

Looking further out, we have been discussing possible field trips. One location, the California Historical Radio Society, has been undergoing renovations in the past year. On Saturday July 22nd, the CHRS is holding a benefit from 8am to 3pm. The

donation is \$10. Let's discuss this at the meeting on June 14th.

Meanwhile the road up to the repeater is undergoing emergency repairs through the start of June. After that we should be able to make our long planned trip to the WA6TOW repeater to fix and upgrade the equipment.

73, Steve KN6ORM  
Club President

## CARC MAY 10, 2023 MEETING MINUTES

### Call to Order

The May 10, 2023 meeting was called to order at 7:40pm by Vice-President Paul Atkins-AI6BB, at the Linda Mar Fire Station, Linda Mar, Pacifica. There wasn't a Zoom component.

### Self-introductions

Introductions by members in attendance.

### Minutes

Motion made by Gary-KI6HIG and seconded by Jon-N6SJF to approve the April minutes as published in the May Coastside Communicator. Motion passed by unanimous vote of the membership present.

### TREASURER'S REPORT

The funds provided by the Treasurer as of April 30, 2023 are:

General Fund	\$	4,218.23
Repeater Fund	\$	2,454.00
APRS/Digipeater	\$	1,511.00
EOC/Public Service	\$	<u>15,730.00</u>
Grand Total	\$	23,913.23

Membership – A/O end of April 2023, there are 49 paid members on the roster.

Bills needing approval – None

Correspondence – Paul-AI6BB stated he saw something regarding an announcement to the Pacifica newspaper about the FD event and that the information is incorrect. It was noted that this was a template to be used for the 2023 event.

### COMMITTEE REPORTS

#### Current Repeater

1. Status of current WA6TOW repeater: Working intermittently. Having input/output issues.
2. APRS – No report
3. Emergency Services – No report

#### Replacement Repeater

Update on Replacement Repeater: No update on temporary repeater. Last was Casey needs a cable to update firmware. Walt needs 2 cables for new repeater. Need to figure programming information to select pin-out configuration. Trip to site may further be delayed as

the trails/roads are temporarily closed by Parks Dept. for winter storm repairs.

NEWSLETTER – May Newsletter Published and emailed to Paul. Cover page for June Newsletter – adding Volunteer Operator contact information. Use Jon's email address n6sjf@knosys.com

WEBSITE – Working. Newsletter posted.

### UNFINISHED BUSINESS

A. 15-meter beam antenna – Progress – Frank & Gary still need to get together.

B. 2023 CARC Schedule of Activities: Tabled to after Field Day.

C. Field Day reservations at Ocean HS – Permit request approved & JUHSD has copy of insurance

D. Speakers giving presentations via Zoom – Tabled until August.

E. Field Day Presentation to Oceana HS Administrators – Tabled to next year.

F. Per Jon, he has two action items: **1)** The Treasurer asks guidance on new member initial payment of dues. Keep process as it is currently. **2)** Our PayPal account is set up. All we must do is link to a checking account or a CD at around 4.5% annum for an 11-month period. Jon will further investigate how the process works and report at the next meeting.

### NEW BUSINESS

A. Permit fee of \$680 was paid in May to JUHSD for FD site at Oceana HS.

B. Details on opening CD account at US Bank: \* Penalty for early withdrawal, all earned interest or 1% whichever is greater. \* All Officers must sign for each CD account opened (which includes laddering). \* We can rollover or renew on the maturity dates: o The bank notifies us one month in advance of the maturity date. o Only one officer is needed to renew a CD account. o We have 10 days starting on the maturity date to go in and renew or terminate. o During the renewal period, money can be added or subtracted with no penalty. o If we do nothing to prevent rollover, the new rate for the same period is 0.015%.

C. A second checking account at US Bank can be opened for collecting PayPal payments. No fees attached due to 501(c)(7) tax status. Shall the Officers open additional accounts at US Bank? A motion was made & 2<sup>nd</sup> to open a second checking account and a CD. Discussion followed: the Secretary asked if this should be tabled to the next meeting as the President is not at this meeting and there is barely a meeting quorum. It was agreed to table this action to the June 14<sup>th</sup> meeting.

D. Ron Purser and Jon were looking into the possibility of getting an RV for the event. Due to costs, renting a

Penske box van is a better idea. Can pick up Porta Potti and picking up supplies from Jon's storage.

E. Discussion on FD supplies and number of radio setups.

F. The Secretary created FD Spreadsheets and a Communicator Satisfaction Survey – Email files to the Treasurer for distribution.

### Adjournment

Motion made by Jon-N6SJF and seconded by Gary-KI6HIG to adjourn the meeting at 8:48pm. Meeting adjourned.

### Present at the Meeting

**Officers:** President: N/A, Vice-President: Paul-AI6BB, Secretary: Tom-KJ6OGL, Treasurer: Jon-N6SJF

**Members:** Ralph-KC6YDH, Frank-N6FG, Walt-KG6EDY, Gary-KI6HIG

**Visitors:** Julie Lancelle

Submitted by: Tom-KJ6OGL, Secretary

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## NEWS

### ARRL Helps Radio Amateurs Comply with New RF Exposure Evaluation Rules

ARRL The National Association for Amateur Radio® provides free, comprehensive resources to help radio amateurs ensure they are compliant with the new RF exposure rules.

On May 3, 2021, [new FCC rules governing RF exposure](#) evaluations went into effect. While the exposure limits were not changed, the requirement to conduct an evaluation was made more broadly applicable to amateur licensees. A 2-year transition period was implemented to allow existing amateur licensees to conduct evaluations and make any changes necessary to ensure that their station complies with the exposure rules. On May 3, 2023, the transition period ended. All licensees must now conduct evaluations of their current station and reassess compliance when making changes to their stations that would affect exposure going forward.

As detailed in a [May 2023 QST article by Greg Lapin, N9GL](#), the rules now require amateur radio operators to perform station evaluations. The Amateur Radio Service is no longer categorically excluded from certain aspects of the RF exposure rules, and licensees can no longer avoid performing an exposure assessment simply because they are transmitting below a given power level.

The ARRL website features an [RF Exposure landing page](#) with resources, such as an RF exposure calculator, the entire RF Safety section from the 100th Edition of the ARRL The Handbook, a video explaining the topic, FAQs about the subject, and more. These tools and resources are available to the public without an ARRL membership or website account.

For further assistance with technical matters, ARRL members enjoy the additional resources of the [ARRL Technical Information Service](#), and access to the experts within the ARRL Lab.

### ARRL Advocates for Radio Amateurs as FCC Proposes Changes to 60-Meter Band

The Federal Communications Commission (FCC) is seeking comments about changing the secondary allocation available to radio amateurs on 60 meters. The FCC issued a Notice of Proposed Rulemaking (NPRM) on April 21, 2023, that deals with the band. In a prior petition, [ARRL The National Association for Amateur Radio®](#) urged protecting the existing use of the band by amateurs when adding a new allocation adopted internationally.

Currently, radio amateurs in the US have access to five discrete channels on a secondary basis: 5332 kHz, 5348 kHz, 5358.5 kHz, 5373 kHz, and 5405 kHz. Users of these channels are limited to an effective radiated power (ERP) of 100 W PEP.

The FCC proposes to allocate 15 kHz of contiguous bandwidth between 5351.5 - 5366.5 kHz on a secondary basis with a maximum power of 15 W EIRP (equivalent to 9.15 W ERP). This allocation was adopted at the 2015 World Radiocommunication Conference (WRC-15).

The federal government is the primary user of the 5 MHz spectrum. The government's manager of spectrum use, the National Telecommunications and Information Administration (NTIA), has expressed support for implementing the allocation as adopted at WRC-15. Doing so would result in amateurs losing access to four of the five discrete channels, and power limits would be reduced from 100 W ERP to 9.15 W ERP. However, it would provide access to a new contiguous 15 kHz band that includes one of the current five channels.

In 2017, [ARRL petitioned to the FCC](#) to keep the four 60-meter channels that fall outside the new band, as well as the current operating rules, including the 100 W PEP ERP limit.

The ARRL petition stated, "Such implementation will allow radio amateurs engaged in emergency and disaster

relief communications, and especially those between the United States and the Caribbean basin, to more reliably, more flexibly, and more capably conduct those communications."

ARRL said that years of amateur radio experience using the five discrete channels have shown that amateurs can coexist with primary users at 5 MHz while complying with the regulations established for their use. The petition also stated, "Neither ARRL, nor, apparently, NTIA, is aware of a single reported instance of interference to a federal user by a radio amateur operating at 5 MHz to date."

In [the NPRM](#), the FCC recognizes that Canada has already adopted 60-meter allocations and related rules that align with those proposed by ARRL. The Commission wrote, "Finally, we note that Canada has essentially implemented the same rules as ARRL has requested."

The FCC proposed to allocate the 15 kHz bandwidth, but stopped short of making a proposal on whether the existing channels should remain allocated to amateur radio and what the power limitations should be. They requested comments on their proposal and the related channel and power issues.

Comments will be due 60 days after the NPRM is published in the Federal Register, which is expected within the next two weeks.

### Field Day is Around the Corner: Emergency Communications Categories

ARRL Field Day is the granddaddy of all emergency communications exercises. One of the most popular activities on the ARES communicator's agenda will be held this year on June 24-25. Below are two classes of Field Day operation of special interest to the emergency communications operator or group:

**(Class E)** Home stations - Emergency power: Same as Class D, but using emergency power for transmitters and receivers. Class E may work all Field Day stations.

**(Class F)** Emergency Operations Centers (EOC): An amateur radio station at an established EOC activated by a club or non-club group. Class F operation must take place at an established EOC site. Stations may utilize equipment and antennas temporarily or permanently installed at the EOC for the event. Entries will be reported according to number of transmitters in simultaneous operation. Class F stations are eligible for a free VHF station. At Class 2F they are also eligible for a GOTA station. For Field Day purposes, an Emergency Operations Center (EOC) is defined as a facility

established by: a) a Federal, State, County, City or other Civil Government, agency or administrative entity; or, b) a Chapter of a national or international served agency (such as American Red Cross or Salvation Army) with which your local group has an established operating arrangement. A private company EOC does not qualify for Class F status unless approved by the ARRL Field Day Manager. Planning of a Class F operation must take place in conjunction and cooperation with the staff of the EOC being activated. A Class F station may claim the emergency power bonus if emergency power is available at the EOC site. The emergency power source must be tested during the Field Day period but you are not required to run the Class F operation under emergency power.

See full rules at: <https://www.arrl.org/field-day-rules>



### The K7RA Solar Update

5/25/2023

Both average daily sunspot numbers and solar flux increased this week. Average daily sunspot numbers rose from 118.6 to 133.4, while average solar flux went from 143.2 to 161.2.

Geomagnetic indicators were more active. Average daily planetary A index went from 9.6 to 17.1, while average middle latitude A index rose from 9.6 to 14.4.

Predicted solar flux is 150 on May 26, 155 on May 27 and 28, then 150, 145, 140 and 135 on May 29 through June 1, 155 on June 2 to 4, then 160, 165, 160, 155, and 150 on June 5 to 9, 145 on June 10 and 11, 150 on June 12, 155 on June 13 and 14, 160 on June 15, 165 on June 16 and 17, then 160, 155 and 150 on June 18 to 20, 155 on June 21 and 22, then 160, 165 and 160 on June 23 to 25, 155 on June 26 and 27, 150 on June 28, and 155 on June 29 to July 1, then 160, 165 and 160 on July 2 to 4.

Predicted planetary A index is 15, 8, 5, 12 and 10 on May 26 to 30, 5 on May 31 through June 1, then 16, 8, 10 and 8 on June 2 to 5, 5 on June 6 to 15, then 12, 10, 5, 18, 22, 15 and 10 on June 16 to 22, 5 on June 23 to 28, then 16, 8, 10 and 8 on June 29 through July 2, and 5 through the first week of July.

Another group AR3311 in the north, due to its unstable magnetic field configuration "beta-gamma-delta", produced almost all the other flares. The stronger ones were the cause of Dellinger events (SWF = Shortwave

fadeout, in the case of M9.6 it was registered in the whole shortwave range in the region where the Sun was high).

Moreover, the eruptions, combined with sporadic E layer, often significantly affected the propagation in the lower shortwave bands by deep and irregular fadeouts.

SOHO recorded a rare conjunction on May 21, when a filament near the Sun's north pole was ejected as a CME in direction to the Pleiades, Seven Sisters star cluster. Coronagraph on SOHO has been operating since 1995 and was the first to operate in real time. No one had ever seen anything like it before.

Sunspot numbers for May 18 through 24, 2023 were 121, 155, 138, 140, 97, 130, and 153, with a mean of 133.4. 10.7 cm flux was 150.6, 164.6, 169.6, 163.4, 161.5, 154.9, and 164.1, with a mean of 161.2. Estimated planetary A indices were 3, 9, 35, 28, 21, 12, and 12, with a mean of 17.1. Middle latitude A index was 8, 10, 26, 19, 17, 11, and 10, with a mean of 14.4.

A weekly, full report is posted on [ARRL News](#).

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**In Brief....**

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](mailto:ad6zh.mj@gmail.com).

**Electronics Flea Market (EFM) - Sunday, June 11, 2023** at West Valley College / via ASVARO <https://www.asvaro.org/>. The Electronics Flea Market. (<http://www.electronicfleamarket.com/>) "swap meet" is being held on the **second** Sunday (6:00am - 12:00pm) of each month, March through September, in the parking lot of the West Valley College in Saratoga from 6:00AM until 12PM.

**IMPORTANT NOTICE:** New Flea Market starting time is 6:00 AM. Please don't arrive in the area before 5:30 AM as the organizers need to maintain quiet until 8:00 AM.

Weekly amateur radio in the news, visit: <https://twiar.net>

**Artemis 2 astronauts flying to the moon could phone home with ham radio. See SPACE on MSN.com.** It's been 40 years since the first astronaut called an amateur radio operator on Earth. Now the moon is in the community's sights.

Most of the astronauts aboard the [Artemis 2](#) mission, which will send a quartet of people around the moon in late 2024, are certified ham radio (amateur radio) operators. There's high hopes in the community that the astronauts may call home from deep space, the president of Radio Amateurs of Canada told Space.com.

**The Uncertain Future Of Ham Radio**

Will the amateur airwaves fall silent? Since the dawn of radio, amateur operators—hams—have transmitted on tenaciously guarded slices of spectrum. Electronic engineering has benefited tremendously from their activity, from the level of the individual engineer to the entire field. But the rise of the Internet in the 1990s, with its ability to easily connect billions of people, captured the attention of many potential hams. Now, with time taking its toll on the ranks of operators, new technologies offer opportunities to revitalize amateur radio, even if in a form that previous generations might not recognize. (See full article by Julianne Pepitone in IEEE Spectrum at: <https://spectrum.ieee.org/ham-radio> )



June 24 – 25  
1800 UTC Saturday through 2059 UTC Sunday

The objective is to work as many stations as possible on the 160-, 80-, 40-, 20-, 15-, and 10-meter HF bands, all bands on 50 MHz and above. Learn to operate in abnormal situations in less-than-optimal conditions and developing skills to meet the challenges of emergency preparedness and acquaint the general public with the capabilities of amateur radio.

The Coastside ARC of Pacifica will activate the 2023 ARRL Field Day at Oceana High School, in Pacifica, in the upper west parking lot. The event will take place starting at 11AM on June 24<sup>th</sup> and run until 11AM on June 25<sup>th</sup>. Admission is free, and everyone is welcome. Visitors Please park on Oceana Blvd and walk up to the site.

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## JUNE PUZZLER

PAUL ATKINS, AI6BB

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F J S M E T E R E C I D A R O P S E W C
M A A O D C N D K C U R R E N T L J N O
R J R O V R O T C I R T S I D E Y I E R
E M M A A I I R E M Q C K A C T N S D O
T R U P D T G E G U X S P T I T W R D N
E U Z H Q I E M A T F M R C E I C R U A
M P F D H C R R T U T I O R T L O O S L
T W H V A A F O L A C L E C A P I B E H
T A P Y R L B F O L E L H S I G Q N T O
A V T H M F X S V V E B S C S N G C I L
W E O G O X O N S C A A Y T U I T C S E
V L R A N N V A T A B C A F S D N O O N
M E E T I X E R G S L T J R H N I N P O
U N T E C R O T I E I C X E O I O N M I
S G T W J D E N I O N I V E R W P E O R
K T A E E S G W N C V H W F T Y D C C E
C H C W R L G V O N I S O H M W E T G D
E B S S E R I A L L S R I P P L E O M A
H G W B L M E M O R Y B U S Q Q F R J E
C D I R E C T O R R H T A P I T L U M H

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## WORDLIST

bncconnector	free	scatter
checksum	fregion	serial
classab	fsk	short
classb	gate	single
composite	harmonic	smeter
connector	header	sporadice
coronalhole	hum	station
critical	interelectrode	sudden
current	ion	switch
cycle	lower	transformer
director	memorybus	velocity
district	multipath	voltage
drop	mutual	vox
electric	nvis	wattmeter
farad	ohm	wavelength
feedpoint	phonetic	winding
	ripple	

## ANSWER TO MAY'S PUZZLER

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L J L O A I R C O R E R E L I A B L E V
A A E V D F Y J O W S W R B R I D G E E
M C G O I L A H A D A P T E R S T I U R
I K A I P L L V I T R O T I N O M N O T
N K T C O W E E E U E R I W N E L O E I
A M L E L G R R N P R O C E S S I N G C
T N O S E R F O C R S X N O I G E R E A
I D V B O A A T O L N O R T H G I L K L
O A Q R L Z S C N O R S P N F E K D C T
N T L L Q T E E D C R E B W L T C E O H
D A D O S V C R U A O N A H A A A N I I
E M I Y W Y I I C L T I T O T L B I T R
T O S O P E V D T K C L T P T U D F A D
A D T R Q Y R R O S U M E A O D E E R P
R E R W A V E A R F D H R H P O E D Q A
E S I W B M S J Y A N O Y M P M F P E R
P I C C O H T O R O I D A L I F F A D T
O O T D E T I D E R C C A T N H R T O Y
M F V C O N T R O L P H E T G V X H N T
R A S S A L C E P Y T E L E T O I D A R

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## COMING EVENTS

**BAEARS Amateur Radio Study Session and Test:**

August 12, 2023. Visit BAEARS website at:

<https://www.baears.com/index.php/session-info> for further information. Download, fill in sign in sheet to speed up sign-in on day of session

**Pacifica CERT (Community Emergency Response Team) For training and information**

<https://pacificacert.samariteam.com/RequestInfo.aspx>

email: [mailto:cert@pacificapolice.org](mailto:mailto:cert@pacificapolice.org)

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

**Our 17<sup>th</sup> 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](http://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** 3<sup>rd</sup> Wednesday of every month, 1909 El Camino Real, Redwood City, CA. No host. 11:00AM to 1:00PM (approx.).

Date	Event
Jan 11 <sup>th</sup>	Firehouse Meeting - 2023 Agenda Planning
Feb 8 <sup>th</sup>	Firehouse Meeting - 2023 Agenda Final
Mar 8 <sup>th</sup>	Firehouse Meeting
Mar 12 <sup>th</sup>	Daylight Savings Time Starts
Apr 12 <sup>th</sup>	Pizza Meeting – Round Table Pizza
May 10 <sup>th</sup>	Firehouse Meeting - Field Day Planning
Jun 14 <sup>th</sup>	Firehouse Meeting - Final Field Day Planning – Flag Day
Jun 24 <sup>th</sup> -25 <sup>th</sup>	Field Day – Oceana HS, Pacifica
Jul 12 <sup>th</sup>	Firehouse Meeting
Aug 9 <sup>th</sup>	Firehouse Meeting
Sep 13 <sup>th</sup>	Firehouse Meeting – Fog Fest Planning
Sep 23 <sup>rd</sup> -24 <sup>th</sup>	Pacific Coast Fog Fest - Pacifica
Oct 11 <sup>th</sup>	Firehouse Meeting – 2024 Nomination of Officers
Nov 5 <sup>th</sup>	Daylight Savings Time Ends
Nov 11 <sup>th</sup>	Dinner Meeting & Election of Officers
Dec 13 <sup>th</sup>	Firehouse Meeting - Holiday Potluck

All meetings are held at 7:30pm, at Pacifica Fire Station #72 (Linda Mar), 1100 Linda Mar Boulevard, Pacifica, CA 94044, unless otherwise stated. If feasible, meetings will have a Zoom component.

## COASTSIDE AMATEUR RADIO CLUB

The Coastside Amateur Radio Club (CARC) is affiliated with ARRL and meets the second Wednesday of each month at 19:30 hrs. in the Linda Mar Fire Station Community Room, on Linda Mar Blvd. in Pacifica. Visitors are welcome.

The CARC has been organized since 1959, serving Bay Area amateurs, and providing emergency communications services to the City of Pacifica. Membership dues are \$20.00 per year for the administration of the Club and the publication of the Communicator.

CARC supports two repeaters, WA6TOW/R (VHF and UHF); a Packet Digipeater, WA6TOW-1; and an APRS Digipeater, WA6TOW-2. Users of the machines provide repeater support and maintenance strictly through donations.

**VHF: 146.925 MHz –offset 600 KHz PL 114.8**

**UHF: 441.075 MHz +offset 5 MHz PL 114.8**

**PL Tone: 114.8 Hz** is used on both repeaters, as needed, for noise suppression.

**Packet Digipeater: 145.050 MHz, Packet Node: PAC**

**APRS Digipeater: 144.390 MHz.**

**CARC/Pacifica OES VHF Simplex: 146.535 MHz**

**PL Tone: 114.8 Hz** is used, as needed, for noise suppression

### 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. Note: The WA6TOW repeater on 441.075 MHz may be used as an alternate if the WA6TOW VHF repeater is down.

### 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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www.smcready.org  
cert@pacificapolice.org



64 years



of Service

54 years



Affiliation

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**

9:00 AM on 3.852 MHz, or the first clear  
frequency up/dn.  
(alt freq of 7.228 MHz.)  
Coastside Saturday Morning Group.

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

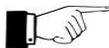
**Sunday:**

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	Phone	E-Mail Address
President	Steve Austin	KN6ORM	(415) 420-1199	kn6orm@gmail.com
Vice President	Paul Atkins	AI6BB	(415) 810-9152	aitbb@arrl.net
Secretary	Tom Oliver	KJ6OGL	(650) 488-0704	toliver0557@gmail.com
Treasurer	Jon Lancelle	N6SJF	(650) 270-5823	n6sjf@knosys.com
CLUB STAFF				
Control Officer	Steve Austin	KN6ORM	(415) 420-1199	kn6orm@gmail.com
Emergency Services				
Field Day	Jon Lancelle	N6SJF	(650) 270-5823	n6sjf@knosys.com
Membership	Jon Lancelle	N6SJF	(650) 270-5823	n6sjf@knosys.com
Newsletter Editor	Tom Oliver	KJ6OGL	(650) 488-0704	toliver0557@gmail.com
Newsletter Publisher	Paul Atkins	AI6BB	(415) 810-9152	ai6bb@arrl.net
Station Technician	Michael Herbert	WB6JKV	(650) 355-6541	wb6jkv@pacbell.net
Trustee of Club Call	Steve Austin	KN6ORM	(415) 420-1199	kn6orm@gmail.com
Website	Paul Atkins	AI6BB	(415) 810-9152	ai6bb@arrl.net

**MEETING  
NOTICE:**



**JUNE 14, 2023 7:30 PM (FIREHOUSE & ZOOM)  
WATCH FOR INVITATION VIA E-MAIL OR CONTACT  
CARC\_INFO@COASTSIDEARC.ORG TO BE ADDED**

COASTSIDE COMMUNICATOR

EDITOR  
P.O. BOX 1106-6106  
PACIFICA, CA 94044

FIRST CLASS

TO: