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# THE COASTSIDE COMMUNICATOR

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VOL. 55

NO. 1 JANUARY 2023

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

## PRESIDENT'S COLUMN

Happy New Year, everybody! We finished off 2022 with a great Pot Luck. We still have to be vigilant, but it seems that we are managing to live a normalish life with COVID in the background. Hopefully we can continue this into the new year. At the meeting, we started by digging into the Pot Luck and then we discussed the upcoming activities of 2023.

After the experiences with the new version of Field Day, spearheaded by Jon N6SJF and based at Oceana School we decided to adopt the format going forward. Last year was a scramble after new rules for the Sweeney Ridge, such as a curfew, rendered our old location impractical. Things should be much smoother this year and we will make an early start in making the necessary reservations.

We still haven't found the right time to visit Montara Mountain to figure out the state of the repeater. However, Casey N6TZE has come up with a two-part plan to bring the repeater up to scratch. Firstly, we will visit the repeater site and perform the routine maintenance that we have not been able to do for the last couple of years. If that doesn't fix it, Casey has identified some inexpensive equipment that we can install to restore functionality. We discussed this at the meeting and agreed to fund the procedure. Now we are waiting until the trail is in good enough condition that we can make the journey.

Finally, a quick reminder that club membership dues are due. Please get them to us as soon as possible, so that we can better plan our activities for the year.

*73, Steve KN6ORM  
Club President*

## CARC DECEMBER 14, 2022 MEETING MINUTES

### Call to Order

The December 14, 2022 meeting was called to order at 7:35pm by President Steve Austin-KN6ORM, at the Linda Mar Fire Station, Linda Mar Blvd., Pacifica.

### Self-introductions

Introductions by members in attendance.

### Minutes

Motion made by Dave-KF6TWW and seconded by Georgia-KE6KRT to approve the October & November minutes as published in the Coastside Communicator. Motion passed by unanimous vote of the membership present.

### TREASURER'S REPORT

The funds provided by the co-Treasurer as of November 30, 2022 are:

General Fund: \$4,283.09, Repeater Fund:  
\$2,117.00, APRS Fund: \$1,475.00, EOC/Public  
Service: \$13,530.00,  
Total: \$21,405.09

Membership – No Report

Bills needing approval – Paul-AI6BB submitted invoice for DreamHost Web Hosting for \$158.86(current a/o 12/14/22 meeting). Motion made by Frank-N6FG and seconded by Dave-KF6TWW to reimburse Paul the fees paid to DreamHost. Motion passed by unanimous vote of the membership present.

Correspondence – None

**COMMITTEE REPORTS****Current Repeater**

1. Status of current WA6TOW repeater: Repeater has been working well lately. Steve has been in communication with Casey about the repeater(s). He has a 2-part plan working forward: **Plan A:** Clean the hardware (mouse droppings and urine), reseal circuit boards, check the antennas, and perform general maintenance. Casey said he has spare parts if needed. **Plan B:** To install a temporary repeater, Casey proposes purchasing a used Yaesu DR-2X repeater for approximately \$800, from someone he knows. It is easily configurable. Quickly upgraded with an almost disposable repeater. This will eventually be replaced with the 50w, 100% duplex repeater that is currently at Walt's-KG6EDY. The difference is that the DR-2X is 25 watts and the replacement is 50 watts & 100% duplex. It is believed, but would have to check, WA6TOW is allocated for 25 watts on 2m from the NARCC. Per Walt, Yaesu is currently selling repeaters at a discount through their install program. **First step:** go to the site and assess the equipment, clean & repair as necessary. If that fixes it, we're good for the time being, and don't need to purchase an interim repeater. In the meantime we can get the new repeater ready. Steve asked if everyone was in agreement – there was no one in disagreement. Paul-AI6BB made a motion and Walt-KG6EDY seconded, to set a spending limit not to exceed \$1500 for Plan B to purchase the interim repeater and necessary equipment, if Plan A does not work. Motion passed by unanimous vote of the membership present.

2. APRS – Currently working

3. Emergency Services – No Report

**Replacement Repeater**

Update on Replacement Repeater: Partial discussion under Current Repeater.

NEWSLETTER – November Newsletter Published.

WEBSITE – Working. November Newsletter uploaded to website. PayPal test page setup.

**UNFINISHED BUSINESS**

A. Results of Election of Officers from the November 5<sup>th</sup> Election Dinner: **President:** Steve

Austin-KN6ORM, **Vice President:** Paul Atkins-AI6BB, **Treasurer:** Jon Lancelle-N6SJJ, **Secretary:** Tom Oliver-KJ6OGL. New officers take effect January 1<sup>st</sup>, 2023.

B. PayPal – Both Paul-AI6BB and Ron-WB9EGG are researching requirements.

C. Frank-N6FG made comment that the 15-meter beam needs to be checked before the 2023 Field Day.

**NEW BUSINESS**

A. Fog Fest Summary: Steve-KN6ORM attended the wrap-up meeting for Fog Fest on Nov 30<sup>th</sup>.

B. Paul worked up a PayPal test page on the CARC Website.

C. Signing of new Bank Account Signature Change Authorization and set date for Officers to meet at bank. Motion made by Walt-KG6EDY and seconded by Paul-AI6BB to approve the Signature Authorization with the bank. Motion passed by unanimous vote of the membership present.

D. Club Officer & Staff listing on back of Newsletter & Coastside Website. Listings in the Newsletter and on the website need to be updated as officers and staff has changed. Steve has volunteered to be the control operator of the Club. Approved by unanimous vote by current officers at the meeting. Steve will work with Casey to update records with the FCC.

E. Update CARC Repeater User Guide and CARC Net Control Operator and User Guide. Send updated files to Paul.

F. CARC Wednesday Night Net Control Roster – Try to get more members involved. No volunteers from members in attendance. Roster schedule will stay as is.

**Adjournment**

Motion made by Frank-N6FG and seconded by Georgia-KE6KRT to adjourn the meeting at 9:13pm. Meeting adjourned.

**Present at the Meeting**

**Officers:** President: Steve-KN6ORM, Vice-President/Co-Treasurer: Paul-AI6BB, Treasurer: Frank-N6FG, Secretary: Tom-KJ6OGL

**Members:** Georgia-KE6KRT, Ron-WB9EGG, Barbara-K6IIP, Walt-KG6EDY, Ralph-KC6YDH, Dave-KF6TWW, Jillian-KN6PIV, Mike Bevington-AA6XL

*Submitted by:* Tom-KJ6OGL, Secretary

**NEWS**



**Amateur Radio Operators Commemorate Pearl Harbor Remembrance Day**  
*12/06/2022*

USS Iowa

At the request of ARRL The National Association for Amateur Radio® (ARRL), the Federal Communications Commission (FCC) granted a waiver allowing amateur radio operators to participate in a special event commemorating the 81st anniversary of National Pearl Harbor Remembrance Day.

On December 6 and 7, ham radio operators can make crossband contacts with the Battleship IOWA, now moored in the Port of Los Angeles in San Pedro, California, using the call sign, NEPM.

The FCC waiver “is conditioned on participating amateur stations: 1) monitoring the following three federal frequencies: 14,375 kHz, 18,170 kHz, and 21,460 kHz; 2) responding on spectrum allocated to the amateur service and only at the request of event organizers; 3) operating consistent with the privileges of their amateur licenses; and 4) limiting communications to the period beginning 9 AM EST December 6, 2022 through 8:59 PM EST December 7, 2022. Additionally, all other related Commission regulations that are applicable to amateur operators will continue to apply (e.g., mode, maximum power, and license class).”

Because this is a crossband operation, ARRL reminds participating amateur stations to monitor their transmit frequency, as well as the ship station’s out-of-band frequency, to protect against inadvertently interfering with other amateur communications.

The waiver includes that in “addition to the skills gained by amateur operators who participate in the (event), this specific Remembrance Day carries particular importance given the ever-decreasing number of World War II veterans able to participate each year.”

“This special event offers radio amateurs the opportunity to participate in a remembrance that honors the sacrifices of all those present at Pearl Harbor on that infamous day, and in memory of all those who lost their lives during WWII defending our freedoms”, said Bart Jahnke, W9JJ, ARRL Radiosport and Regulatory Information Manager.

More information about the event and QSL procedures can be found on the website of the Battleship IOWA Amateur Radio Association (BIARA), an ARRL-affiliated club, at <https://biara.org/>. Operations on both days are expected from 1500 to 2400 UTC. The BIARA President is Doug Dowds, W6HB, an ARRL Life Member.

National Pearl Harbor Remembrance Day is commemorated each year on December 7th. Iowa was decommissioned in October 1990 and currently serves as a museum battleship.

*December 22, 2022*

**Rep. Lesko Introduces Bill to Replace Symbol Rate Limit with Bandwidth Limit**

Congresswoman Debbie Lesko (AZ-08) introduced a bill in the U.S. House of Representatives (H.R. 9664) on December 21, 2022, to require that the Federal Communications Commission (FCC) replace the current HF digital symbol rate limit with a 2.8 kHz bandwidth limit.

After being petitioned by ARRL The National Association for Amateur Radio® in 2013 (RM-11708) for the same relief, in 2016 the Commission issued a Notice of Proposed Rulemaking (WT Docket No. 16-239) in which it agreed that the HF symbol rate limit was outmoded, served no purpose, and hampered experimentation. But the Commission questioned whether any bandwidth limit was needed in its place. Most amateurs, including the ARRL, objected to there being no signal bandwidth limit in the crowded HF bands given the possibility that unreasonably wide bandwidth digital protocols could be developed, and since 2016 there has been no further FCC action.

In conjunction with introducing the legislation, Congresswoman Lesko stated that "With advances in our modern technology, increased amounts of data can be put on the spectrum, so there is less of a need for a

regulatory limit on symbol rates. I am pleased to introduce this important piece of legislation to update the FCC's rules to support the critical role amateur radio operators play and better reflect the capabilities of our modern radio technology."

ARRL President Rick Roderick, K5UR, hailed introduction of the bill. Roderick stated that "the FCC's delay in removing this outdated restriction has been incomprehensible, given that the biggest effect of the delay is to require totally inefficient spectrum use on the already-crowded amateur HF bands. I hope that the Commission will act to remove this harmful limitation without waiting for the bill to be passed."

ARRL Legislative Committee Chairman John Robert Stratton, N5AUS, added that "the symbol rate limit hampers experimentation and development of more efficient HF data protocols by U.S. amateurs. For all practical purposes the field has been ceded to amateurs outside the U.S., where there is no comparable limit. Removing the restriction not only will allow U.S. amateurs to use the most efficient data protocol suitable for their purpose, but it also will promote and incentivize U.S. amateurs to experiment with and develop even more efficient protocols."

*December 23, 2022*

### **Rep. Bill Johnson Introduces Bill to Eliminate Private Land Use Restrictions on Amateur Radio**

Congressman Bill Johnson (OH-6) introduced a bill in the U.S. House of Representatives ([H.R.9670](#)) on Thursday, December 22, 2022, to eliminate private land use restrictions that prohibit, restrict, or impair the ability of an Amateur Radio Operator from operating and installing amateur station antennas on property subject to the control of the Amateur Radio Operator.

The exponential growth of communities subject to private land use restrictions that prohibit both the operation of Amateur Radio and the installation of amateur station antennas has significantly restricted the growth of the Amateur Radio Service. These restrictions are pervasive in private common interest residential communities such as single-family subdivisions, condominiums, cooperatives, gated communities, master-planned communities, planned unit developments, and communities governed by community associations. The restrictions have particularly impacted the ability of Amateur Radio to fulfill its statutorily mandated duty of serving as a voluntary noncommercial emergency communications service.

Congress in 1996 directed the Federal Communications Commission (FCC) to promulgate regulations (Public Law 104-104, title II, section 207, 110 Stat. 114; 47 U.S.C. 303 note) that have preempted all private land use restrictions applicable to exterior communications facilities that impair the ability of citizens to receive television broadcast signals, direct broadcast satellite services, or multichannel multipoint distribution services, or to transmit and receive wireless internet services. ARRL attempts to obtain similar relief for Amateur Radio were rejected by the FCC with a statement such relief would have to come from Congress.

ARRL Legislative Advocacy Committee Chairman John Robert Stratton, N5AUS, noted that Congress, in 1994 by Joint Resolution, S.J.Res.90/H.J.Res.199, declared that regulations at all levels of government should facilitate and encourage the effective operation of Amateur Radio from residences as a public benefit. He continued by stating that "H.R.9670, the Amateur Radio Emergency Preparedness Act, is intended to fulfill that mandate and preserve the ability of Amateur Radio Operators to continue to serve as a key component of American critical communications infrastructure."

ARRL President Rick Roderick, K5UR, and Mr. Stratton both extended on behalf of the ARRL, its Members, and the Amateur Radio community their thanks and appreciation for the leadership of Rep. Johnson in his tireless efforts to support and protect the rights of all Amateur Radio Operators.



12/09/2022

The National Conference of Volunteer Examiner Coordinators' (NCVEC) Question Pool Committee (QPC) has released the 2023 - 2027 General Class FCC Element 3 Syllabus and Question Pool to the public. The new General Question Pool is effective July 1, 2023, through June 30, 2027.

The new pool incorporates some significant changes compared to the 2019 - 2023 version. Its 432 questions were modified slightly to improve wording and to replace distractors; 51 new questions were generated, and 73 questions were eliminated. This resulted in a reduction of 22 questions, bringing the total number of questions in the pool down from 454. The level of difficulty of questions is more balanced, and the techniques and practices addressed have been updated. The pool is available as a Microsoft Word document and PDF. The single graphic required for the new General

Question Pool is available within the documents, or separately as PDF and JPG file formats.

"The newly revised pool must be used for General-class license exams starting July 1, 2023," said ARRL VEC Manager Maria Somma, AB1FM, who is a member of the NCVEC Question Pool Committee. "New test designs will be available to ARRL Volunteer Examiners on that date. The ARRL VEC will supply its officially appointed, field-stocked VE teams with new General exam booklet designs around mid-June."

General class examination candidates preparing for their exams using the 9th edition of The General Class License Manual, and/or the 6th edition of ARRL's General Q & A are encouraged to test by, or before, June 30, 2023. New editions of ARRL licensing publications will be available in May, for exams taken on, or after, July 1, 2023.



**The K7RA Solar Update ~  
12/23/2022**

I am writing this first draft of my penultimate bulletin of 2022, about seven hours after the start of Winter Solstice in the

Northern Hemisphere, which was on Wednesday, December 21, 2022 at 2147 UTC. It is very cold in Seattle, about 17 degrees F on the longest night of the year.

Solar activity was down a bit from the previous week, although it was one of those odd occasions when average daily sunspot numbers and solar flux changed in opposite directions.

Average daily sunspot number declined from 136.9 to 124.1, while solar flux rose from 150 to 153.8.

Two new sunspot groups emerged on December 17, one more on December 19, another on December 21, and two more on December 22.

Geomagnetic indicators were a bit lower, with average planetary A index changing from 7.7 to 6.7, and middle latitude numbers from 6 to 5.1.

Due to missing data, I had to fudge one of the numbers, the December 16 middle latitude A index which I pegged at 7 by eyeballing trends.

Predicted solar flux appears to reach a short term peak of 160 on January 4-7, 2023, which may repeat on the last

day of January and the first few days in February.

The forecast shows 130 on December 23-25, 135 on December 26-30, 138 on December 31, then 140, 150 and 155 on January 1-3, 2023, 160 on January 4-7, then 158, 156, 154, 154 and 152 on January 8-12, 150 on January 13-15, then 145, 130 and 120 on January 16-18, 118 on January 19-20, then 120, 125 and 127 on January 21-23, 130 on January 24-25, then 135, 138, 140, 150 and 155 on January 26, and 160 on January 31 through the first few days of February.

Predicted planetary A index is 8, 5 and 8 on December 23-25, 5 on December 26-29, 10 and 12 on December 30-31, then 8, 5 and 18 on January 1-3, 2023, 10 on January 4-5, then 8, 10 and 6 on January 6-8, 5 on January 9-14, then 12, 10 and 20 on January 15-17, then 12, 8, 5 and 18 on January 18-21, and 20 on January 22-24, then 12, 10, 12, 8 and 5 on January 25-29.

More at: <https://www.arrl.org/news/the-k7ra-solar-update-758>

***In Brief....***

**Dayton Hamvention® has announced that the Ramada Inn in Xenia, Ohio, is closing.** The Dayton Daily News is reporting that the city of Xenia will take full possession of the Ramada Inn on November 1, 2022. The land will be incorporated into the Xenia Towne Square revitalization project. Hamvention, the largest annual ham radio convention in the US, will be held May 19 - 21, 2023, at the Greene County Fairgrounds and Expo Center in Xenia. A list of other accommodations can be found on the Hamvention website at:

<https://hamvention.org/travel-parking/accommodation/>

**Pacific Division Meeting 2022 - video available**  
Hi Everyone, Thank you to all who were able to make it to the Division Zoom meeting on Dec. 10th. We had over 100 participants! For those of you who couldn't make it, I made a recording. Unfortunately perhaps, I left my screen in 'grid mode', so you can't see who is talking very well. Sorry. Regardless, the audio is good. Here is the YouTube link

<https://youtu.be/LVYQ1kK-ajA>

ARRL Pacific Division  
Director: Kristen A McIntyre, K6WX  
k6wx@arrl.org



### JANUARY PUZZLER

PAUL ATKINS, AI6BB

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

#### WORDLIST

ampacity	groundloop	radioteletype
average	hop	reflector
capacitance	interelectrode	repeater
checksum	ion	self
clock	keying	sensitivity
code	light	signals
data	linearsupply	solar
director	loading	splitter
dummy	long	startbit
dx	micro	straight
earth	monitor	sunspot
effective	network	tapped
ferrite	oscillator	technology
flattopping	passive	theorem
gate	periodic	vswr
giga		wattmeter

### ANSWER TO DECEMBER'S PUZZLER

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

### COMING EVENTS

**Pacifica CERT (Community Emergency Response Team)**

**For training and information**

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

email: <mailto:cert@pacificapolice.org>

**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>	Firehouse Meeting
May 10 <sup>th</sup>	Firehouse Meeting - Field Day Planning
Jun 14 <sup>th</sup>	Firehouse Meeting - Final Field Day Planning
Jun 24 <sup>th</sup> -25 <sup>th</sup>	Field Day – Location TBD
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
Oct 11 <sup>th</sup>	Meeting - LMFS – Nomination of Officers for 2024
Nov 5 <sup>th</sup>	Daylight Savings Time Ends
Nov 11 <sup>th</sup>	Dinner Meeting & Election of Officers – Location TBD
Dec 13 <sup>th</sup>	Firehouse Holiday Potluck Dinner

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 continue to 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.

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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) 355-2245	n6sjf@knosys.com
CLUB STAFF				
Control Officer	David Rinck	K6DMR	(650) 355-1778	k6dmr@arrl.net
Emergency Services	TND			
Field Day	Jon Lancelle	N6SJF	(650) 355-2245	n6sjf@knosys.com
Membership	TBD			
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	David Rinck	K6DMR	(650) 355-1778	k6dmr@arrl.net
Website	Paul Atkins	AI6BB	(415) 810-9152	ai6bb@arrl.net

**MEETING  
NOTICE:**



**JANUARY 11, 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: