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# THE COASTSIDE COMMUNICATOR

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VOL. 54

No. 10 OCTOBER, 2022

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

## PRESIDENT'S COLUMN

I am writing this into the afterglow of Fog Fest 2022. I heard that it was the biggest one ever! After being canceled for the last two years it was great to see this take place again. As usual, CARC was working as dispatch for the event. I would like to thank all the many volunteers who got this done. It went off without a hitch and we helped make a few festival-goer's day. We helped reunite at least two cellphones with their owners and also helped locate a missing child.

Since it is October, the Club elections are here. We will be nominating officers at the October 12th meeting and the election of officers will be at the subsequent meeting on November 5th. If you are interested in running for an office, you need to be at the October meeting to be nominated.

Finally, I'm looking forward to Pacificon 2022 this year. It is being held at the San Ramon Marriott October 14 to 16. I hope to see you there.

73, Steve KN6ORM  
Club President

## CARC SEPTEMBER 14, 2022 MEETING MINUTES

### Call to Order

The September 14, 2022, meeting called to order at 7:36m by President Steve Austin-KN6ORM, at the Linda Mar Fire Station, on Linda Mar Blvd., Pacifica. Attempting to include participants via Zoom.

### Self-introductions

Introductions by members in attendance.

### Minutes

Motion made by Walt-KG6EDY and seconded by Jon-N6SJF to approve the August 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 August 31, 2022 are:

General Fund	\$ 4,261.09
Repeater Fund	\$ 1,917.00
APRS/Digipeater	\$ 1,475.00
EOC/Public Service	\$ 13,530.00
Grand Total	\$ 21,183.09

Membership – Renewal from Casey, Application submitted by Fernel.

Bills needing approval – None

Correspondence – Bharat Bailur-W2OKB in contact with Steve-KN6ORM with interest in joining the Club.

### COMMITTEE REPORTS

Current Repeater

1. Current status of WA6TOW repeater: Tom-KJ6OGL was having issues with the repeater Tuesday evening while hosting the DC Net. More issues during the Sherriff's OES Net. Seemed to be able to break squelch but had no audio. Steve-KN6ORM will see about getting a small group

together to up to the site and perform maintenance on the repeater.

2. APRS – Working
3. Emergency Services – No Report

#### Replacement Repeater

Update on Replacement Repeater: Dave-KF6TWW made contact with Roy-KE6MNJ and picked up additional 2-boxes of parts, manuals for the controller, antenna, and about 100' of cable. Will be back in contact with him sometime in October to get a thumb drive with additional information, another manual(?) and return Roy's key.

NEWSLETTER – Published.

WEBSITE – Working.

#### UNFINISHED BUSINESS

A. Fog Fest – Casey, Frank and Steve went to the Fog Fest meeting on Monday, the 12<sup>th</sup>. The Fog Fest group dynamics have changed. A lot of the people that Frank knew are no longer with the organization. One key issue is that the Pacifica PD spoke about being aware of what's going on around you. If you see something not right, say something. They prefer you call directly to: 650-355-4151, not 9-1-1.

B. Per Jon-N6SJF, we are confirmed for November 5<sup>th</sup> for the Election Dinner. Nick's was going to send him the menu to pick from, but has not received it. He will stop by and speak with them. Question about lead time. Need to notify people about the date of the event and to make their reservations through Jon.

C. Topic of the Month: None for September. Steve asked if anyone has a topic for October. Right now everyone is focused Fog Fest.

D. Steve asked if there was anyone in charge of getting together with the High School and having a talk about amateur radio. Right now, no one. Ron-WB9EGG has been our contact between the Club and the school. He also asked if someone is interested in part of the group to putting it together. Need to make it an interesting topic for the kids.

E. Steve-KN6ORM asked Paul-AI6BB if he is happy with the level of help he is getting with his duties. Paul stated that elections are coming up and the possibly of redistribution of duties. Tom-KJ6OGL has been following the publication of the Newsletter and will help as much as he can with the next issue.

#### NEW BUSINESS

A. Have only 3 names for those that want name plates. Would like to have more before submitting to engraver. It was suggested that we check at Fog Fest to see if there are any engravers and possibly have them made up at a decent price. UPDATE: 9/15 – received additional names for the list.

B. Question about the new 440 cavity and having a bad connector and possibly using the existing 440 cavity for the replacement repeater. It is still in use on the current 440 repeater. Still using the Receive Out. Will work out in an upcoming meeting.

C. PayPal update from Ron-WB9EGG on Zoom call last week: "Fee is 2.9% + \$0.30 per deposit received. Can be linked to Club bank account. Prospective members would pay using an online form on our website, which we can create, and pay by sending to a club email associated with the bank account. Details can be worked out".

D. Giving New Hams free radios and Club membership. Have to get the new hams engaged in taking their exams. Before we offer them free membership, we need to contact people who want to take the test get their Tech, General or Extra license. Too soon right now to give out free radios & membership to hypothetical people. This topic should be discussed after giving our talk at the school. Tabled to a future meeting.

E. Anyone interested in helping out with Nominations of Officers, contact Steve.

F. Casey mentioned that he has spare parts for the current repeater if needed.

G. Ralph-KC6YDH mentioned that QRZ.COM and GigaParts has a program running until Octo 31<sup>st</sup> or all available stock is depleted, a 2m/70cm dual-band HT radio kit to all new hams.

H. Pacificon will be in-person this year from October 14<sup>th</sup> – 16<sup>th</sup> in San Ramon.

#### Adjournment

Motion made by Casey-N6TZE and seconded by Walt-KG6EDY to adjourn the meeting at 8:45p.m. Meeting adjourned.

#### Present at the Meeting

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

**Members:** Jillian-KN6PIV, Walt-KG6EDY, Dave-K6NIA, Jon-N6SJF, Ralph-KC6YDH, Casey-N6TZE

**Via Zoom:** David-KF6TWW, Ron-WB9EGG, Zoom Guest - Bharat Bailur-W2OKB

Submitted by: Tom-KJ6OGL, Secretary

**ATTENTION:**

**October 12, 2022 - 2023 Nominations of Officers Meeting. You must be present at the meeting or on Zoom to Nominate or Accept a nomination.**

**November 5, 2022 – CARC Election Dinner at Nick’s Restaurant, 100 Rockaway Beach Ave. 6:00pm No-Host period and 7:00pm Dinner. Entrees will be: Stuffed Chicken - \$34.00, Halibut-\$37.00 , or Prime Rib - \$43.00, served with Garlic Bread, vegetables, baked potato, dessert and Coffee or Tea. To make reservations, contact: Jon Lancelle at: [n6sjf@knosys.com](mailto:n6sjf@knosys.com). The deadline to sign up is October 26, 2022.**

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**NEWS**



**HURRICANE WATCH NET UPDATE FOR IAN**

09/22/2022

The [Hurricane Watch Net](#) (HWN) has been in operation since the morning of September 27, 2022, as Hurricane Ian swept across Cuba and headed toward Florida’s Gulf Coast. The HWN continues to operate on both 14.325 and

7.268 MHz as propagation permits. The 20-meter net resumed at 8:00 AM Eastern Time on Thursday, September 29, and will continue until further discussion and conditions warrant closing-down the net.

At 5 AM EDT on Thursday, the National Hurricane Center (NHC) reported that Ian is now a tropical storm located 40 miles southeast of Orlando, Florida, with maximum sustained winds of 65 mph. Ian is moving toward the northeast near 8 mph, and is still expected to produce strong winds, heavy rains, and storm surge across portions of Florida, Georgia, and the Carolinas. “On the forecast track, the center of Ian is expected to move off the east-central coast of Florida later today and then approach the coast of South Carolina on Friday. The center will move farther inland across the Carolinas Friday night and Saturday,” included the report.

As the storm moves toward the Atlantic, and then back into the coastal states, the focus of the HWN will change to receiving damage reports for the National Hurricane Center, handling messages for Emergency Operation Centers, and other agencies. The HWN will also assist Salvation Army SATERN Net partners to move health and welfare communications traffic out of the affected areas.

“We appreciate the cooperation of amateur operators and nets in allowing us clear frequencies to make these important contacts as Florida and the southern states work to recover,” said HWN Assistant Net Manager Stan Broadway, N8BHL.

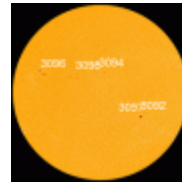
The HWN disseminates the latest advisories issued by the National Hurricane Center in Miami, Florida. The net also obtains real-time ground-level weather conditions and initial damage assessments from amateur radio operators in the affected area and relays that information to the NHC by way of WX4NHC, and when required, the Canadian Hurricane Centre.

Amateur radio operators who want to monitor or participate in the hurricane nets should visit these two useful and informative links:

[The Hurricane Watch Net - Useful Links](#)

[VoIP Hurricane Net](#)

[ARRL News](#) previously reported that the Federal Communications Commission (FCC) granted an ARRL emergency request for a 60-day temporary waiver intended to facilitate amateur radio emergency communications for hurricane relief. The waiver was adopted on Tuesday, September 27, 2022, and immediately permitted amateur radio operators supporting amateur data transmission for Hurricane Ian traffic to employ a higher symbol rate for data transmissions than the current limit of 300 baud (read the complete story at <https://www.arrl.org/news/fcc-grants-an-arrl-emergency-request-to-permit-higher-data-rate-transmissions-for-hurricane-relief-c>).



## THE K7RA SOLAR UPDATE

09/23/2022

Geomagnetic disturbances were down this week, but so were sunspot numbers and solar flux.

Average daily sunspot numbers declined from 92.7 to 68, and average daily solar flux from 141.3 to 134.3.

On September 22 the sunspot number was 99, well above (by 31 points) the average for the previous seven days, a promising indication. We hope it may signal a trend.

But Solar Cycle 25 progresses, a bit better than expected. A year ago, average daily sunspot numbers were about ten points lower, at 58.3, while average solar flux was 87.4, about 47 points lower. Two years ago there were no sunspots! We still expect an uptrend lasting until Summer 2025.

Six new sunspot groups appeared this week, the first on September 15, two more on September 19, another on September 20, and two more on September 21.

Predicted solar flux is 138 on September 23, 130 on September 24-27, 120 and 125 on September 28-29, 122 on September 30 through October 7, then 125, 122 and 120 on October 8-10, 118 on October 11-12, 116 on October 13-15, 138 on October 16, 135 on October 17-18, then 133, 128, 126, 130 and 125 on October 19-23, 120 on October 24-25, and 122 on October 26-29.

Predicted planetary A index is 20 on September 23, 15 on September 24-25, 8 on September 26-28, then 5, 22, 50, 30 and 20 on September 29 through October 3, then 12, 15, 12 and 10 on October 4-7, then 8, 8, 5, and 8 on October 8-11, 5 on October 12-14, then 12, 10, 5, 5, 20, 18 and 12 on October 15-21, and 8 on October 22-26, then 22, 50, 30, 20 and 12, a repeat from the previous solar rotation.

The above predictions were by Dethlesfsen and Ciopasiu at Offut Air Force Base.

Are sunspots really black? A report can be found here:

<https://www.livescience.com/why-are-sunspots-black>

Pleased to report that the 2022 Autumnal Equinox is today, Friday, September 23 at 0104 UTC. Both northern and southern hemispheres will be bathed in equal amounts of solar radiation, which is good for HF propagation.

Frequent contributor David Moore sent this story about a magnetic mystery solved with the aid of the Solar Orbiter:

<https://bit.ly/3DRzhjX>

Weekly Commentary on the Sun, the Magnetosphere, and the Earth's Ionosphere - September 22, 2022 from F.K. Janda, OK1HH.

"The setting sunspot region AR3098 still managed to produce an impulsive M8-class solar flare on 16 September at 0949 UT. A sudden ionospheric disturbance (SWF, or Dellinger effect) affected frequencies below 25 MHz for an hour after the flare.

"On September 17, we expected the high-speed solar wind flow from the northern coronal hole to produce a G1-class geomagnetic storm, but we registered it a day later. Whereupon the old region AR3088 appeared on the eastern limb of the solar disk and was given the new number AR3102. Although it appeared to be in decay, it grew again.

"On September 18, we observed five M-class solar flares in the setting region of AR3098. However, none of them produced an earthward CME.

"On September 20, another large group of spots appeared over the southeastern edge of the Sun, joining the rising and growing AR3105 - which doubled in size the next day.

"On September 21, NOAA predicted a minor G1-

class geomagnetic storm might occur on September 23. A high-speed solar wind stream is expected to hit the Earth's magnetic field.

"On September 22, we could observe the sunspot group complex AR3105-3107. The chance of a geoeffective flare should increase in the coming days as they enter the Earth's impact zone.

"Geomagnetic activity was somewhat lower than expected.

"Shortwave propagation conditions pleasantly surprised us around September 17. Therefore, we expected them to improve further as the Autumnal Equinox approached. But it didn't happen. They remained at average levels, whereby the explanation for why this happened lies in the effect of the solar wind on the Earth's ionosphere."

I (K7RA) had more strange pipeline propagation on 10 meters this week, in which my FT8 signal was only reported by <https://pskreporter.info> from stations in Florida.

At 2050 UTC yesterday, AI4FR (2509 miles), N2UJZ (2558 miles), KD8HTS (2582 miles), and WC3W (2609 miles) were the only stations anywhere receiving my signal. All were less than 100 miles from each other. Later PU5CAC (Brazil, 6847 miles) was added to the mix, along the same arc as the North America stations.

I was not using any directional antenna, just a random length end-fed indoor wire fed by a 4:1 UnUn and autotuner. Very curious results, and it happens often. So, for me, the band was dead, except to a very specific location.

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### October 12<sup>th</sup> Meeting





## OCTOBER PUZZLER

PAUL ATKINS, AI6BB

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

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## WORDLIST

active	decoding	modem
adapters	director	modes
american	doublet	operated
ampacity	driver	parity
antipode	electromagnetic	relay
average	feedpoint	resonance
birdie	ferrite	root
bleeder	flattopping	sid
classab	flipflop	smeter
classb	fsk	sudden
code	keyed	surface
common	keying	twinlead
conventional	loop	useable
coronalhole	magnetosphere	wavelength
coulomb	malicious	xmtr
data	micro	yagi

## ANSWER TO SEPTEMBER'S PUZZLER

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

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**November 5, 2022 Election Dinner**  
**@ Nick's Rockaway Restaurant**  
**100 Rockaway Beach Ave**  
**Pacifica, CA**  
**6PM – No-host Social Hour**  
**7PM – Meeting & Dinner**

## 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 12th	Zoom Meeting - 2022 Agenda Planning
Feb 9th	Zoom Meeting - 2022 Agenda Final
Mar 9th	Zoom Meeting
Mar 13th	Daylight Savings Time Starts
Apr 13th	Firehouse Meeting
May 11th	Firehouse Meeting - Field Day Planning
Jun 8th	Firehouse Meeting - Final Field Day Planning
Jun 25th-26th	Field Day - Oceana HS North Parking Lot
Jul 13th	Pizza Meeting, Round Table at Linda Mar Shopping Center
Aug 10th	Firehouse Meeting
Sep 14th	Firehouse Meeting – Fog Fest Planning
Sep 24th-26th	Pacific Coast Fog Fest
Oct 12th	Meeting - LMFS – Nomination of Officers for 2023
Nov 5th	Dinner Meeting & Election of Officers - Nick's at Rockaway
Nov 6th	Daylight Savings Time Ends
Dec 14th	Firehouse Holiday Potluck Dinner

*\* All meetings were held via Zoom until COVID-19 restrictions were lifted by the state and county for in-person gatherings in public places. As of March 9th, it was determined that meetings were approved at the Pacifica Firehouse on Linda Mar Boulevard. 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.

This newsletter contains material from The ARRL Letter as permitted by the American Radio Relay League

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63 years



of Service

53 years



Affiliation



[www.smcready.org](http://www.smcready.org)  
[cert@pacificapolice.org](mailto:cert@pacificapolice.org)



COASTSIDE NETS

**Monday**

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

7:30 PM on WA6TOW  
146.925 MHz, PL 114.8  
San Bruno ARC 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
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Treasurer/ co-Treasurer	Frank Erbacher Paul Atkins	N6FG AI6BB	(650) 355-4355 (415) 810-9152	<a href="mailto:n6fg@arrl.net">n6fg@arrl.net</a> ai6bb@arrl.net
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Field Day	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
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Website	Paul Atkins R. Scott Sutor	AI6BB KM6SCD	(415) 810-9152	ai6bb@arrl.net

**MEETING  
NOTICE:**



**OCTOBER 12, 2022 7:30 PM (FIREHOUSE & ZOOM)  
WATCH FOR INVITATION VIA E-MAIL OR CONTACT  
[CARC\\_INFO@COASTSIDEARC.ORG](mailto:CARC_INFO@COASTSIDEARC.ORG) TO BE ADDED**

COASTSIDE COMMUNICATOR

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FIRST CLASS

TO: