



THE COASTSIDE COMMUNICATOR

VOL. 54

No. 11 NOVEMBER, 2022

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

It's election time for CARC and in our nomination session in October we had nominations for only three of our officers. They were

President: Steve Austin - KN6ORM

Vice Pres: Paul Atkins - AI6BB

Secretary: Tom Oliver - KJ6OGL

We had no nomination for Treasurer, as Frank N6FG is stepping aside after many years of contributing to the club in various roles. This leaves the rest of the Club officers to find and elect that position. If you would like to be nominated for Treasurer, please let us know.

At the moment, we are planning to visit the repeater for some long needed maintenance. We have been noticing some issues with the repeater during the nets, although this seems to come and go. In addition, David Rinck - K6DMR wishes to retire from the position of Control Operator, so according to Section XIII of the constitution, we would like members who wish to assume the role of Control Operator to let the Club officers know.

I look forward to seeing you at the annual CARC Dinner at Nicks on Saturday November 5th. There will be no net or meeting on November 9th.

73, Steve KN6ORM
Club President



CARC OCTOBER 12, 2022 MEETING MINUTES

Call to Order

The October 12, 2022, meeting called to order at 7:32pm 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 and on Zoom.

Minutes

Motion made by Dave-KF6TWW and seconded by Walt-KG6EDY to approve the September minutes as published in the October *Coastside Communicator*. Motion passed by unanimous vote of the membership present.

TREASURER'S REPORT

The funds reported by the co-Treasurer as of September 30, 2022 are:

General Fund	\$ 4,220.09
Repeater Fund	\$ 2,097.00
APRS/Digipeater	\$ 1,475.00
EOC/Public Service	\$ 13,530.00
Grand Total	\$ 21,322.09

Membership – No Report

Bills needing approval – None

Correspondence – Paul-AI6BB received an email from:

Stacey Martin <smartin@lyndhurststem.org>, on: Tue, 20 Sep 2022: My name is Stacey Martin and on behalf of the Lyndhurst Stem Club for Girls, I wanted to let the Coastside Amateur Radio Club know the radio history information on your web page was a big help to our club! (<https://www.coastsidearc.org/www.coastsidearc.org/Links.php>) ...For the month of September, our club is exploring the history of innovations in science and technology with a 'famous inventors and inventions' lesson. The girls are currently learning about the history of the radio, including amateur radio, and how it impacted society. Your webpage led us to some great information on early radio to incorporate into our lessons, so the girls requested I reach out and let you know :). As a thank you, I wanted to pass along this reading on the 'history of the car radio' my student Nicole found. Not only does it have a nice timeline of radio and audio systems throughout the years, but the additional reading on early radio and broadcasting was neat! This is it - www.titlemax.com/articles/the-history-of-the-car-radio/. Nicole was very excited to share it with you! She thought it would make a wonderful addition. Will you let me know if you're able to include it for her? I know Nicole would be delighted to see she could help! Thank you again! Talk to you soon, Mrs. Martin <https://lyndhurststem.org/>. (copied from email Paul-AI6BB distributed to Club Officers on 9/20/22).

Steve-KN6ORM received an email from Dave Rinck's wife stating Daave-K6DMR is retiring and needs to transfer the Trustee of the Club station license to Steve. He will work with Casey-N6TZE and the FCC forms required on the transfer.

COMMITTEE REPORTS

Current Repeater

1. Current status of WA6TOW repeater: Scratchy and intermittent or no audio on output. Per Mike-WB6JKV, he will not be able to make a trip up the hill for some time. Per Casey it may take two or more trips to the site to clean, troubleshoot and repair the repeater. Casey will start an email thread to get a group together to make a trip up the hill.
2. APRS – Working
3. Emergency Services – No Report

Replacement Repeater

Update on Replacement Repeater: Walt is doing research on cables with the correct connectors for the repeater.

NEWSLETTER – Published.

WEBSITE – Working.

UNFINISHED BUSINESS

- A. Fog Fest – Some issues that occurred were taken care of. Radio logistics can be improved upon. Overall, everything went well. Need to see about getting more volunteers, so people don't work long shifts.
- B. Per Jon-N6SJF, 11/5 Election Dinner confirmed. Sign-up deadline 10/26.
- C. Topic of the Month: Pacificon.
- D. New HAM's/Oceana HS Event. Postponed to next year
- E. PayPal – Paul has looked into some of the code that is required for PayPal. Per Dave-K6NIA, let's keep it as simple as we can. Ron-WB9EGG is doing further research on to add to website and connect with the bank.
- F. Name Plates – Have about 6 names now and will see about getting them made.
- G. Casey has spare parts for the repeater.
- H. Pacificon – Oct. 14th-16th

NEW BUSINESS

A. Nomination of Officers for 2023:

President: Steve Austin-KN6ORM – Nomination made by Dave Lawrence-KF6TWW. Nomination accepted. No additional nominations made. Nominations closed.

Vice President: Paul Atkins-AI6BB – Nomination made by Tom Oliver-KJ6OGL. Nomination accepted. No additional nominations made. Nominations closed.

Treasurer: No nominations. We can possibly fill it at the Election Dinner Meeting. If the position is left open and does not get filled, then the Club operates without a Treasurer and the previous Treasurer(s) would continue their roll until someone steps in.

Secretary: Tom Oliver-KJ6OGL– Nomination made by Dave Lawrence-KF6TWW. Nomination accepted. No additional nominations made. Nominations closed.

Uncontested election – No ballots required.

B. Frank-N6FG made comment that we need to have the 15-meter beam checked, cleaned and repaired, if necessary. Frank to coordinate with Gary-KI6HIG before 2023 Field Day.

Topic of the Month – Pacificon – Steve asked the members present, who will be going to Pacificon. Only Walt, Steve and Jillian stated they are going.

Adjournment

Motion made by Paul-AI6BB and seconded by Ron-WB9EGG to adjourn the meeting at 8:53p.m. Meeting adjourned.

Present at the Meeting

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

Members: Dave-KF6TWW, Dave-K6NIA, Walt-KG6EDY, Ron-WB9EGG, Ralph-KC6YDH, Jillian-KN6PIV

Via Zoom: Casey-N6TZE

Submitted by: Tom-KJ6OGL, Secretary

ATTENTION:

November 5, 2022 – CARC Election Dinner at Nick’s Restaurant, 100 Rockaway Beach Ave., Pacifica. 6:00pm No-Host Social Hour, 7:00pm Dinner. Entrees are: Stuffed Chicken - \$34.00, Halibut- \$37.00 , or Prime Rib - \$43.00, served with Garlic Bread, vegetables, baked potato, dessert and Coffee or Tea. For reservations, contact: Jon Lancelle at: n6sjf@knosys.com. Deadline is October 26, 2022.

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NEWS



Ian, Julia, and Karl - The Latest Storm Updates

Cleanup and damage assessment from Hurricane Ian continues. Power outages peaked at 2.7 million customers, but new reports indicate power has been restored for 99% of the outages leaving less than 5,000 residents and businesses still off line. All power is expected to be restored by Friday, October 14, 2022.

Hardee County Emergency Management in West Central Florida lost power and all communications, but Hardee County Public Information Officer Alicia Woodard said it was amateur radio that stepped in to help.

"Our amateur radio operators here began relaying information to our county agencies," said Woodard.

"A special thanks to Mike Douglas, W4MDD, ARRL West Central Florida Section Manager and ARRL Assistant Section Manager/ Technical Coordinator Darrell Davis, KT4WX, for their assistance during the storm."

Hardee County received 27 inches of water. Normal flooding for the area is 16 inches and most power is now back on.

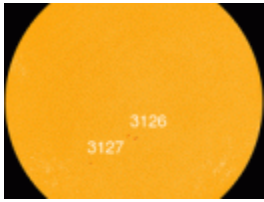
Hurricane Julia made landfall this past weekend over Nicaragua with winds of 85 miles per hour. Now downgraded, the storm has moved out to the Pacific Ocean but is still able to bring heavy rains to parts of Central America.

In Nicaraguan there were reports of power outages and 10,000 residents were moved to shelters. Officials there, report 25 casualties with over 50 people missing.

Hurricane Watch Net (HWN) Manager Bobby morning that Karl is still a tropical storm. Although it is currently moving to the north-northwest, it is expected to make a sharp left-hand turn and head south-southwest on Thursday. Graves, KB5HAV, reported late Wednesday

The National Hurricane Center (NHC) is currently forecasting Karl to make landfall near Veracruz, Mexico late Friday or possibly early Saturday morning as a tropical storm, possibly even a tropical depression.

"The Hurricane Watch Net is closely monitoring the track and intensity of Karl," said Graves. "Should environmental conditions change allowing it to become a hurricane and threaten landfall as such, HWN will of course activate."



The K7RA Solar Update ~ 10/28/2022

Sunspot activity seems listless. Average daily sunspot numbers went from 57.3 to 58.4 (see note at the end of the bulletin concerning last week's averages) while solar flux went from 119.6 to 113.2.

On Thursday, the day after the reporting week ended, the sunspot number was 72, over 13 points above the previous 7 day average. Perhaps this is a promising sign.

The middle latitude geomagnetic numbers this week are wrong. See what I mean: <https://bit.ly/3W7nCb>

I emailed a contact at NOAA about this, and here is the reply: "Mid lat numbers are absolutely NOT correct.

"Fredericksburg magnetometer is undergoing maintenance this week and has been flaky. I've alerted the individual acting in my absence as well as our developers to see if we can get that cleaned up."

So, the middle latitude numbers presented here at the end of the bulletin are my own very rough estimates, trying to correlate with the high latitude and planetary numbers. My NOAA contact emailed me the data from the Boulder magnetometer, which can be used in lieu of the Fredericksburg data, and he noted that my estimates were not far off.

Here is what he sent me: A index (Boulder) 7, 4, 22, 13, 6, 5, 4 with a mean of 8.7. A index (K7RA estimate) 5, 4, 24, 15, 7, 5, 4 with a mean of 9.1

Average daily planetary A index went from 18.6 to 10.4, and middle latitude numbers from 8.1 to 9.1.

Predicted solar flux is 125 on October 28 to November 3, 112 on November 4-5, 118 on November 6-9, 115 on November 10-12, 112 on November 13-14, 110 on November 15, 108 on November 16-18, 104 on November 19, 100 on November 20-23, 98 on November 24-25, 100 on

November 26, then 105 on November 27-28, 110 on November 29, 112 on November 30 through December 2, and 118 on December 3-6.

The rise in solar flux in the first week in November to 160 presented in the previous two bulletins is gone from the current prediction. But this Thursday solar flux forecast is more optimistic for the near term than the Wednesday forecast in yesterday's ARRL Letter.

Predicted planetary A index is 8, 18, 22, 15, 12, 10 and 8 on October 28 through November 3, 5 on November 4-9, then 18, 18 and 15 on November 10-12, 5 on November 13-17, then 25, 18, 17 and 12 on November 18-21, 5 on November 22-23, then 8, 15 and 20 on November 24-26, then 15, 15 and 12 on November 27-29, and 5 on November 30 through December 6.

From F. K. Janda, OK1HH: "Not much happened on the Sun over the past few days from the point of view of a terrestrial observer. Overall activity was low. Of note, the co-rotating interaction region (CIR) hit Earth's magnetic field on October 22, sparking a G1-class geomagnetic storm and bright auroras around the Arctic Circle.

"Earth's magnetic field calmed down and active sunspot regions began to sink beyond the southwestern edge of the solar disk, while others emerged in the northeast.

"Although helioseismic maps revealed interesting activity on the Sun's far side, this will likely end before it emerges on the eastern edge of the solar disk."

Scott, N7KQ in Fort Meyers, Florida wrote: "I wish I had sent this earlier. I worked Japan twice lately on 10 meters from Southwest Florida. Once on October 12th (JM7OLW) and on October 18th (JA1KIH) using an indoor dipole above the garage at 14 feet. Both were weak but 100% copy. They both reported the same for my signal. These contacts were CW, and I run 500 watts."

10 meters has been much better lately, and for Scott, working stations in Japan is more difficult than for me in Seattle, where we have always had a pipeline to Japan. His path length is about 7,000 miles, while mine is only about 5000 miles, and I recall during past sunspot cycle peaks calling CQ running barefoot into a low dipole produced huge pileups of JA signals.

My own 10 meter CW beacon (K7RA/B, 28.2833 MHz) has been getting more reports lately. A couple of listeners even mailed QSL cards.

Thanks to Darrel, AA7FV for a tip that led me to a news item about a gamma ray burst.

Be sure to visit [Spaceweather.com](https://www.spaceweather.com) and using the archives feature in the upper right corner, go to October 18 to read about the October 9 gamma ray burst, and the amateur astronomer who detected it using an unusual VLF antenna.

This burst of energy happened 2.4 billion years ago and took that long to reach us.

Here is what stage Earth was in at that time:
<https://bit.ly/3znjztv>

More info on the event:
<https://bit.ly/3FwRZOi>

Here is a link to Darrel's own data, labeled Agua Caliente: <https://stanford.io/3U5i0IU>

Did you know there is crowd sourced geomagnetic data, using smart phones? You can participate:
<https://www.ncei.noaa.gov/products/crowdmag-magnetic-data>

Here is a Forbes article on doomsday flares:
<https://bit.ly/3W8IJpy>

Some tabloid news on flares:
<https://bit.ly/3gLn1YL>

Something even worse than a Carrington Event?
<https://bit.ly/3zo5SdR>

In last week's Propagation Forecast Bulletin ARLP042 the averages were wrong.

The correct averages for the numbers at the end of the bulletin in ARLP042 were 57.3, 119.6, 10.6 and 8.1 for sunspot number, solar flux, planetary A index and middle latitude A index respectively. The wrong numbers were actually from the previous week.

Sunspot numbers for October 20 through 26, 2022 were 33, 60, 55, 65, 46, 72, and 78, with a mean of 58.4. 10.7 cm flux was 115.8, 109.4, 105, 108.4, 114.8, 116.3, and 122.4, with a mean of 113.2. Estimated planetary A indices were 7, 5, 27, 16, 8, 5, and 5, with a mean of 10.4. Middle latitude A

index was 5, 4, 24, 15, 7, 5, and 4, with a mean of 9.1.

In Brief....

Dayton Hamvention® has announced that the Ramada Inn in Xenia, Ohio, is closing. The [Dayton Daily News](https://www.daytondailynews.com) 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/>.

SAN ANGELO AMATEUR RADIO CLUB CELEBRATES 100 YEARS

10/16/2022

The [San Angelo Amateur Radio Club](https://www.sanangeloradioclub.org) (SAARC), based in San Angelo, Texas, will celebrate their 100th anniversary on October 15, 2022. The club has engaged in a century of community service, science, technology, engineering, and mathematics (STEM) education, emergency preparedness, and disaster response.

Founded in 1922, SAARC held their first meeting on June 14 of that year, and membership today has grown to 40 members. The celebration will take place at their clubhouse located at 5513 Stewart Lane in San Angelo. It will include a tailgate swap meet starting at 9 AM, amateur radio operators working to make contacts with 100 stations, and the Boy Scouts Jamboree-on-the-Air (JOTA).

The club call sign, W5QX, honors Carl Brinegar, who originally held the call sign of 5QX before the "W" prefix was added. He was one of the earliest members of SAARC.

NOVEMBER PUZZLER

PAUL ATKINS, AI6BB

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

WORDLIST

absorption	factor	multihop
american	feedline	pack
antipode	gamma	packet
audio	gateway	periodic
average	giga	ratio
band	groundloop	ray
beat	half	rotator
bleeder	header	secondary
carrier	interface	service
classc	isotropic	skip
control	kirchoff	steprate
coulomb	loss	stopbit
counter	malicious	symbolrate
coupling	match	traveling
driver	mega	tube
earth	meter	volatile
equivalent		willful

ANSWER TO OCTOBER'S PUZZLER

A U O A D A P T E R S Y E C A F R U S H
C H 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 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 O P L R E I L 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 O 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 O 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

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

3rd Wednesday of every month

1909 El Camino Real, Redwood City, CA.

No host. 11:00AM to 1:00PM (approx.).

November 5, 2022 Election Dinner

Deadline for Reservations: October 26

Contact: Jon Lancelle at: n6sjf@knosys.com

The CARC December 14th Meeting at the Linda Mar Fire Station is our annual Holiday Potluck – Bring your favorite dish to share!

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.

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63 years



of Service

53 years



Affiliation



www.smcready.org
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
Vice President	Paul Atkins	AI6BB	(415) 810-9152	ai6bb@arrl.net
Secretary	Tom Oliver	KJ6OGL	(640) 488-0704	toliver0577@gmail.com
Treasurer/ co-Treasurer	Frank Erbacher Paul Atkins	N6FG AI6BB	(650) 355-4355 (415) 810-9152	n6fg@arrl.net ai6bb@arrl.net
CLUB STAFF				
Control Operator	David Rinck	K6DMR	(650) 355-1778	k6dmr@arrl.net
Emergency Services	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Field Day	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
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Trustee of Club Call	David Rinck	K6DMR	(650) 355-1778	k6dmr@arrl.net
Website	Paul Atkins	AI6BB	(415) 810-9152	ai6bb@arrl.net
	R. Scott Sutor	KM6SCD		

**MEETING
NOTICE:**



**NOVEMBER 5, 2022 6:00 PM (NICK'S RESTAURANT)
WATCH FOR INVITATION VIA E-MAIL OR CONTACT
CARC_INFO@COASTSIDEARC.ORG TO BE ADDED**

COASTSIDE COMMUNICATOR

EDITOR

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FIRST CLASS

TO: