



THE COASTSIDE COMMUNICATOR

VOL. 55

NO. 2 FEBRUARY 2023

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

What a rough start of the year! I hope you all weathered the storms without too much damage to your environment. As a result of the January storms we had to change the last meeting to a remote-only Zoom session. On the positive side, the California drought has eased up, but we are still feeling the effects of the storms, particularly in Half Moon Bay with Hwy 92 still damaged. Needless to say, our trip up to Montara Mountain to maintain the repeater has been postponed until the trail dries up.

Casey N6TZE has acquired the Yaesu DR-2X repeater that we intend to be a temporary replacement for the repeater and is working on getting the equipment to program it.

Our preparations for Field Day are under way and we are also working on other club activities, such as presentations and field trips. If you would like to help out with our planning, please come to the February 8th meeting where we will be discussing the 2023 calendar.

73, Steve-KN6ORM, President

CARC JANUARY 11, 2023 MEETING MINUTES

Call to Order

The January 11, 2023 meeting was called to order at 7:30pm by President Steve Austin-KN6ORM on Zoom. It was determined to conduct the meeting via Zoom due to concerns regarding travel in inclement weather.

Self-introductions

Introductions by members in attendance.

Minutes

Motion made by Walt-KG6EDY and seconded by Gary-KI6HIG to approve the December minutes as published in the January Coastside Communicator. Motion passed by unanimous vote of the membership present.

TREASURER'S REPORT

The funds provided by the co-Treasurer as of December 31, 2022 are:

General Fund	\$ 4,267.33
Repeater Fund	\$ 2,197.00
APRS/Digipeater	\$ 1,475.00
EOC/Public Service	\$ 15,730.00
Grand Total	\$ 23,669.33

Coastside Amateur Radio Club Income and Expense Sheet, December 31, 2022

Income

Membership Income	
Summary of Deposits Worksheet	1018.00
Financial Report Snapshot (2022 only)	304.00
Unrelated Business Income	
Fog Fest	2200.00
Total Income	3522.00

Expenses

Mailbox (per discussion 12/28/2022)	216.00
Web Site (Dream Host)	158.86
Field Day	
Location Rental	680.00
Banner	78.75
RV Rental	352.36

Gas for RV	61.00
ARRL Insurance	300.00
Taxes	
SOS SI-100 Filing Fee (Biennial/Odd years)	20.00
SOS SI-100 Penalty	50.00
IRS 990-T	252.00
FTB 199 Tax	106.00
Total Expenses	2274.97
Profit/(Loss)	1247.03

In accordance with the Bylaws, a motion is made that the Treasurer, with no need for further approval by the membership, be authorized to pay normal on-going expenditures, including, but not limited rental of the postal box, reimbursement of gas for trips to check on and/or repair the repeater, any federal or state filing fees, taxes and penalties, and Club insurance. Motion made by Paul-AI6BB and seconded by Walt-KG6EDY. Motion passed by unanimous vote of the membership present.

On Monday, 1/9/23, the Executive Board met at US Bank in Pacifica to update Authorized Signature card. Updated Paul's title, removed Frank and added Steve, Jon and Tom. Frank and Tom signed Signature Authorization Form for Club records.

Membership – Jon-N6SJF working on updating membership lists. Tom-KJ6OGL requested to be updated on renewals and new members to the Club for his database.

Bills needing approval – Casey to submit receipt for new(used) repeater to Treasurer for reimbursement.

Correspondence – Email from WA4OTJ and Jillian's friend about joining the Club. Paul-AI6BB stated that we received notification from the Franchise Tax Board stating that they haven't received anything from the Club since 2020. He filed a form for that and now we have only one outstanding. He has 2022 ready to send.

COMMITTEE REPORTS

Current Repeater

1. Status of current WA6TOW repeater:
Per Casey: Waiting for the rain to stop. He has parts for the current repeater, but it is old. Suggests to put an inexpensive amateur class repeater (Yaesu DR-2X) in its place temporarily until we can get the

Motorola replacement repeater up and running. Will coordinate on getting it installed. Casey asked if anyone has any Yaesu C4FM equipment as the DR-2X has digital capabilities. A few mentioned they do have hand-held radios and a couple of mobile/base units.

2. APRS – Per Steve it is working

3. Emergency Services – With Frank-N6FG stepping down, no one has volunteered to be a liaison with the community or county.

Replacement Repeater

Update on Replacement Repeater:

Part of discussion on current repeater. Walt-KG6EDY met with Dave-KF6TWW a couple of weeks ago and got the remainder of the items from Roy-KE6MNJ. Walt said that with the current weather, mud slides and power outages, he's not been able to do anything with the repeater.

NEWSLETTER – December and January Newsletters completed and sent to Paul-AI6BB.

WEBSITE – Paul-AI6BB is still working on the integration of PayPal. December and January Newsletters published and uploaded. Repeater User guides have been updated and uploaded. Paul stated that he's been getting messages from Ron-WB9EGG about Squarespace being a good building platform for websites. He said there might be some issues (challenges) in transferring information. Paul said the current website is in HTML and that we'd have to switch to a new server. Steve-KN6ORM said we'd have to really discuss further to about transferring.

UNFINISHED BUSINESS

A. Updates on PayPal tests. Completed.

B. Signing of new Bank Account Signature Change Authorization. Completed.

C. Club Officer & Staff listing on back of Newsletter and on Website. Update CARC Repeater User Guide and CARC Net Control Operator and User Guide. Files updated and uploaded to Website and updates made on The Communicator. Completed.

D. Who is responsible for Emergency Services and

Membership?

E. Need to switch over Control Operator functions to Steve. Steve to work with Casey on the forms for FCC.

F. Frank-N6FG mentioned about the 15-meter beam needs to be looked at. Gary-KI6HIG stated he would like to help in checking it. He requested a couple of extra people to help. Ron-WB9EGG and Steve-KN6ORM said they would help.

NEW BUSINESS

A. 2023 CARC Schedule of Activities. Work on at the January & February meetings.

B. Steve-KN6ORM asked if we could start making reservations with Oceana HS for the 2023 Field Day site. Jon-N6SJF said he would initiate the conversation with the contacts. Once Jon has received information from Oceana HS, then we can decide if a vote is required. He said he give a report at the February meeting.

C. Events Calendar: Discussion on the Pizza meeting location and date. Currently the schedule shows the meeting is on July 12th. It was stated that in the past, we held it in March or April. Dave-KF6TWW stated we could have it any time during the year, or have 2. Tom-KJ6OGL made a motion to hold the Pizza meeting on April 12th at Round Table Pizza in the Linda Mar shopping center. Paul-AI6BB seconded. Motion passed by unanimous vote of the membership present.

D. Steve stated he has been thinking about having a speaker(s) at a meeting and was wondering about holding that meeting on Zoom instead of the Fire Station. Everyone appears to be in favor.

Adjournment

Motion made by Walt-KG6EDY and seconded by Gary-KI6HIG to adjourn the meeting at 8:32pm. Meeting adjourned.

Present at the Meeting

Officers: President: Steve-KN6ORM, Vice-President: Paul-AI6BB, Treasurer: Jon-N6SJF, Secretary: Tom-KJ6OGL

Members: Gary-KI6HIG, Daniel-K6DLC, Dennis-KN6QER, Pete-WA6ECH, Frank-N6FG, Ron-WB9EGG, Ralph-KC6YDH, Walt-KG6EDY, Casey-N6TZE, Jillian-KN6PIV, Georgia-KE6KRT, Dave-KF6TWW

Visitors: Nathan-WA6OTJ and grandson Atticus Bulan

Submitted by: Tom-KJ6OGL, Secretary

NEWS

Yaesu Radios Donated to ARRL to Inspire Visitors and Young Hams

There are two new [Yaesu](#) transceivers in use at [ARRL](#) Headquarters in Newington, Connecticut. They arrived via a generous donation from Yaesu USA.

The company has donated an FTDX101MP and FTDX10, both HF/50 MHz transceivers. In arranging the donation, Yaesu Vice President, Sales and Credit Gary Doshay, KN6APR, urged that the radios be used by ARRL "to educate and assist your visitors and especially young enthusiasts for ham radio."



The Yaesu FTDX101MP transceiver is a welcome addition to Studio 1 in W1AW, the Hiram Percy Maxim Memorial Station.

"We appreciate the value that having this equipment available for members and visitors to see and explore will provide," said ARRL Director of Operations Bob Naumann, W5OV. "These are two of the top three performing transceivers on the Sherwood list," he added.

The FTDX101MP was named for Yaesu Founder Sako Hasegawa, JA1MP. The model holds a place of honor, in service in the first operating studio of the Hiram Percy Maxim Memorial Station, W1AW. ARRL members and visitors come year-round to tour the station and operate the equipment, most of which has been donated by generous manufacturers over the years. "The radio is already receiving a lot of attention from visitors," said W1AW Station Manager Joe Carcia, NJ1Q. "Some of our recent guests have included students and scouting groups who have enjoyed trying the new radio -- adding

to the overall 'wow' factor of the station. We're grateful to Yaesu for this new addition to W1AW."

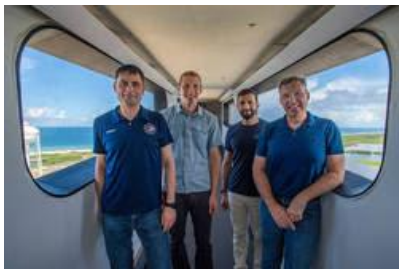
The FTDX10 has been installed in the new ARRL Radio Lab, W1HQ, where it will contribute to the station's

ongoing role in the development of innovative amateur radio station design and function. "The Radio Lab is an extension of ARRL's equipment testing program, which supports ['Product Review' in] QST magazine," said Naumann. "Putting the latest in modern radio technology through its paces is the intent of the Lab. It represents what is possible if the modern ham were to go with cutting-edge technology and integration. The Yaesu FTDX10 fits perfectly in that environment."

Naumann says the ARRL stations will benefit significantly from the donations of Yaesu's highly capable rigs. "It demonstrates the important partnership ARRL has with amateur radio manufacturers to educate and inspire our community."

More Amateur Radio Astronauts Head for the International Space Station

Three of the four new astronauts on February's planned launch of the SpaceX Crew-6 mission to the International Space Station (ISS) are amateur radio operators.



The four crew members that comprise the SpaceX Crew-6 mission pose for a photo during a training session on the crew access arm at the Kennedy Space Center's Launch Pad 39A in Florida. From left are,

Mission Specialist Andrey Fedyaev, Pilot Warren "Woody" Hoburg, Mission Specialist Sultan Al Nedayi, and Commander Stephen Bowen. Photo Courtesy of SpaceX.



ARRL Director of Operations Bob Naumann, W5OV, explores the features of the Yaesu FTDX10. The radio is the new addition to the ARRL Radio Lab, W1HQ.

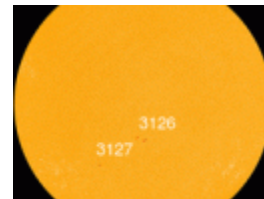
Pilot Warren "Woody" Hoburg, KB3HTZ; Commander Stephen Bowen, KI5BKB, and Mission Specialist Sultan Al Neyadi, KI5VTV, will join Mission Specialist Andrey Fedyaev on board the SpaceX Dragon spacecraft, Endeavour.

The spacecraft will be atop a Falcon 9 rocket and, while a launch date has not been selected, the earliest date would be mid-February 2023.

All crew members have learned about [Amateur Radio on the International Space Station](#) (ARISS), received guidance on studying and testing, and learned how to operate the ARISS radios and the basics of on-the-air protocol from ARISS team members at NASA's Johnson Space Center.

The crew will be able to participate in ARISS, using the ham radio station on the ISS to contact schools and other educational institutions.

ARISS is a cooperative venture of international amateur radio societies and the space agencies that support the ISS. In the US, participating organizations include NASA, the ISS National Lab, [ARRL](#), The National Association for Amateur Radio®, and AMSAT.



The K7RA Solar Update ~ 1/27/2023

From the first week of this year, we saw a dramatic and welcome increase in solar activity, but it softened in this reporting week,

January 19-25.

Average daily sunspot numbers starting with the final reporting week for 2022 were 96.1, 97, 135.9, 173.4 and 162.

Over the same period, average daily solar flux was 43.8, 157.8, 181.2, 221.8 and 198.9.

The northern hemisphere Winter Solstice was over a month ago, and through the next two months we will see a gradual transition toward Spring conditions.

Predicted solar flux over the next month shows values peaking near 205 on February 14-15, but flux values in the next few days are lower than those posted in Thursday's ARRL Letter.

Predicted numbers are 150 on January 27-28, 145 on January 29-30, 140 on January 31 through February 1, then 145, 150 and a big jump to 185 on February 2-4,

190 on February 5-6, 195 on February 7-12, 200 on February 13, 205 on February 14-15, 200 on February 16-18, then 195, 200, and 190 on February 19-21, 185 on February 22-23, 180 on February 24-25, then 175 on February 26 through March 1, then 180, 185 and 190 on March 2-4. Flux values are expected to keep rising, peaking above 200 again after March 10.

Predicted planetary A index, an indicator of geomagnetic instability is 8 on January 27-28, 5 on January 29 through February 1, 12 and 8 on February 2-3, 5 on February 4-6, 12 on February 7-8, then 15, 12 and 5 on February 9-11, 8 on February 12-13, 5 on February 14-17, then 8, 10, 10, 12 and 10 on February 18-22, 8 on February 23-25, then 5 on February 26-27, then 15, 10 and 8 on February 28 through March 2, and 5 on March 3-5, then 15 on March 6-8.

Weekly Commentary on the Sun, the Magnetosphere, and the Earth's Ionosphere - January 26, 2023 from F.K. Janda, OK1HH.

"We had a week of increased solar activity with areas of sunspots visible to the naked eye. These were AR3190 and AR3192. The ejected CMEs produced auroras at higher latitudes. Since the geomagnetic disturbances were mostly short-lived, they did not cause a noticeable deterioration in shortwave propagation.

"A CME hit the Earth on 17 January at around 2200 UTC. At the same time, it also hit the tail of comet ZTF (C/2022 E3) and broke it! A piece of the tail of comet ZTF was chipped off and then carried away by the solar wind.

"In recent days, AR3190 was the largest and most active, but even it produced no more than moderately powerful flares. Both large regions, AR3190 in the southwest and AR3192 in the northwest, are beyond the edge of the solar disk by January 26. This is associated with a significant drop in solar activity. While we know of other active regions beyond the eastern limb of the solar disk, these are not large enough to expect a repeat of the January pattern in February. But we expect a similarly erratic pattern contributing to limited forecasting capabilities."

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.

ARRL Volunteers On the Air Event is Underway

ARRL's yearlong operating event, [Volunteers On the Air](#), or VOTA, began January 1, 2023. The event is organized as part of ARRL's 2023 theme, "Year of the Volunteers," which recognizes the contributions of ARRL member volunteers, and offers opportunities to become more active and involved in amateur radio and ARRL.



VOTA encourages participants to make contacts with ARRL members and volunteers, earning points for each contact. Point values have been assigned (see the Points Table at vota.arrl.org). All scoring is automatically calculated through ARRL's Logbook of The World (LoTW, www.arrl.org/logbook-of-the-world). If you are already an LoTW user, continue to upload your QSOs there to participate. If you're a new LoTW user, visit [Getting Started with LoTW](#).

Join the fun! Visit the official VOTA website for further details: vota.arrl.org.

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Happy Valentine's Day

FEBRUARY PUZZLER

PAUL ATKINS, AI6BB

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

WORDLIST

adapters	full	reflector
afsk	gate	register
anode	gfc	rftburn
beacon	groundloop	ripple
cfi	hum	rtty
constant	interelectrode	sequential
cycle	ladderline	shack
directional	linear	sid
discharge	long	single
drop	maximum	smeter
earth	modes	software
factor	multiband	spurious
farad	mutual	stub
feedpoint	omnidirectional	sudden
ferrite	parasitic	sunspots
frame	passive	trap
frequency	ratio	uncontrolled
fsk		whip

ANSWER TO JANUARY'S PUZZLER

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

COMING EVENTS

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

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

email: <mailto:cert@pacificapolice.org>

QCWA/Pioneer Radio Club - 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.).

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

Our 15th Year! > Since May 2, 2007 <

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

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

2023 CARC Meeting & Event Schedule

Date	Event
Jan 11 th	Firehouse Meeting - 2023 Agenda Planning
Feb 8 th	Firehouse Meeting - 2023 Agenda Final
Mar 8 th	Firehouse Meeting
Mar 12 th	Daylight Savings Time Starts
Apr 12 th	Pizza Meeting – Round Table Pizza
May 10 th	Firehouse Meeting - Field Day Planning
Jun 14 th	Firehouse Meeting - Final Field Day Planning
Jun 24 th -25 th	Field Day – Location TBD
Jul 12 th	Firehouse Meeting
Aug 9 th	Firehouse Meeting
Sep 13 th	Firehouse Meeting – Fog Fest Planning
Sep 23 rd -24 th	Pacific Coast Fog Fest
Oct 11 th	Meeting - LMFS – Nomination of Officers for 2024
Nov 5 th	Daylight Savings Time Ends
Nov 11 th	Dinner Meeting & Election of Officers – Location TBD
Dec 13 th	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	TBD			
Field Day	Jon Lancelle	N6SJF	(650) 355-2245	n6sjf@knosys.com
Membership	Jon Lancelle	N6SJF	(650) 355-2245	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	David Rinck	K6DMR	(650) 355-1778	k6dmr@arrl.net
Website	Paul Atkins	AI6BB	(415) 810-9152	ai6bb@arrl.net

**MEETING
NOTICE:**



**FEBRUARY 08, 2023 7:30 PM (FIREHOUSE & ZOOM)
WATCH FOR INVITATION VIA E-MAIL OR CONTACT
CARC_INFO@COASTSIDEARC.ORG TO BE ADDED**

COASTSIDE COMMUNICATOR

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FIRST CLASS

TO: