



THE COASTSIDE COMMUNICATOR

VOL. 54

No. 9 SEPTEMBER, 2022

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

It's one of those times of the year when everything seems to be happening at once. Most pressing, we are quickly coming up to Fog Fest and are looking for volunteers to help us provide radio support for the event. We have a few volunteers already (thank you!), but we could use more for the event on Saturday Sept 24th and Sunday Sept 25th. If you are available to help us help our community, please contact myself (kn6orm@gmail.com) or Frank N6FG (n6fg@arrl.net).

We are also gearing up on all things repeater. In addition to getting the new repeater up and running we also need to make sure the existing repeater is well maintained. In the next few months, we will be revamping the repeater committee to organize the many things that need to get done.

In addition, the election process for this year is starting. If you are interested in helping out as a club officer, please let me or another present club officer know. We will be discussing this at the September club meeting and nominations will officially be announced at the October meeting.

Last meeting, we had a great discussion about mobile HF setups. I learned a lot and splashed out on a Wolf River Coils Silver Bullet 1000, which just got delivered today. I can't attach it to my car, so I have a Bioenno LiFePO4 battery for power - next up is to decide upon a transceiver.

73, Steve KN6ORM
Club President

CARC AUGUST 10, 2022, MEETING MINUTES

Call to Order

The August 10, 2022, meeting called to order at 7:37pm 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 Dave-KF6TWW and seconded by Gary-KI6HIG to approve the July minutes as published in the *Coastside Communicator*. Motion passed by unanimous vote of the membership present.

TREASURER'S REPORT

The funds provided by co-Treasurer as of 7/30/22 are below:

General Fund	\$ 4,212.09
Repeater Fund	\$ 1,912.00
APRS/Digipeater	\$ 1,475.00
EOC/Public Service	\$ 13,530.00
Grand Total	\$ 21,129.09

Settings

Need receipt for gas from Jon-N6SJF

Membership – Fernel-KM6UYM gave Paul-AI6BB an application and check to rejoin the Club.

Bills needing approval – None

Correspondence – Fernel emailed info@coastsidearc.org asking what steps to take to rejoin the Club.

COMMITTEE REPORTS

Current Repeater

1. Current status of WA6TOW repeater: Repeater was down due to a power failure on the coast on Monday evening about 8:30pm on July 18th. Came back up about 9:45pm. On Wednesday evening at 8:00pm, Tom-KJ6OGL was Net Control operator for the CARC Net and had issues transmitting / receiving which had continued into Thursday/Friday. No further issues since
2. APRS – Working. Steve checks APRS.fi for status.
3. Emergency Services – No Report

Replacement Repeater

Update on Replacement Repeater: Dave-KF6TWW was supposed to meet with Roy-KE6MNJ yesterday & today, but Roy keeps cancelling. Supposed to meet tomorrow and get supplies, antenna, cables, etc. As soon as he gets the supplies, he will let Walt know and deliver to him.

NEWSLETTER – Published.

WEBSITE – Working. Newsletter has been uploaded for viewing/downloading. Updated Event Schedule. Dave-KF6TWW said that on the website under “About CARC / Coastside VHF Nets / Wed / 8pm / WA6TOW / CARC Check-In, his email address is incorrect. Correct is: Kf6tww@gmail.com

UNFINISHED BUSINESS

- A. Fog Fest – September 24th & 25th – Steve-KN6ORM has not had any report back from the Fog Fest folks after submitting forms. Should start planning now. In process of recruiting volunteers to help coordinate radio communications. Casey has setup a spreadsheet that the coordinators are working from. Steve and Frank are in discussions about recruiting people.
- B. Membership Cards – Decided not to do. Frank mentioned about finding a provider.
- C. Election dinner – Jon-N6SJF to contact Nick’s in September to put together a meal plan and pricing.

D. Steve asked if we’d like to have discussions at the end of our meetings about a “Topic of the Month”. We could have in-person presentations or via Zoom.

E. Additional talk on getting the high school involved with amateur radio. Have some come to a meeting or at next year’s Field Day. Need to do further research.

F. Paul would like to relinquish some of his duties. He currently is VP, Co-Treasurer, Web Master, and Newsletter Editor. Looking for volunteers to take over some of his duties. He is getting some help.

NEW BUSINESS

A. Tom-KJ6OGL checked with local engraver for pricing on plastic engraved name tags. Sent an on-line request to Clearlite Trophies in Daly City for quote: \$15, (mentioned \$20 during meeting, will confirm when ordering), for engraving and material. Choice of magnetic or double-pin back. Discussion about adding Club location on bottom of badge, consensus is to just have three lines. Anyone interested, contact Tom at kj6ogl@arrl.org. Will make arrangements for payment.

B. 440 cavity filter has a bad connector. Suggestion is not to put up the 440 repeater, maybe donate it and the allocation.. Possibly use the 440 filters that are currently up on the hill. Should get the 2-meter system up on the hill as soon as possible.

C. Ron-EGG questioned about sending in paper checks and setting up PayPal. He said he will look into the requirements for linking PayPal to the Club checking account.

D. Possible giving new hams that are under 18 to give free membership to the club. To negate any issues, they would need to have their call and we would need to get their parents’ consent before giving them a radio. Suggest tabling further discussion until next meeting.

E. Ham Cram September 10th. Tech & General in San Bruno. BAEARS and San Bruno Radio Club are hosting the event.

F. Steve questioned if it was time to start on Election of Officers. It was stated that we would start in September.

Adjournment

Motion made by Dave-KF6TWW and seconded by Gary-KI6HIG to adjourn the meeting at 8.41p.m. Meeting adjourned.

After Meeting Discussion: Mobile HF rigs and antennas.

Present at the Meeting

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

Members: Ron-WB9EGG, Casey-N6TZE, George-KJ6TSX, Walt-KG6EDY, Gary-KI6HIG, David-KF6TWW, Fernel-KM6UYM, Ralph-KC6YDH

Via Zoom: Jon-N6SJJ, Jillian-KN6PIV, Dave-K6NIA/VA3NIA.

Submitted by: Tom-KJ6OGL, Secretary
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NEWS



ARRL 2021 Annual Report Now Available to Download

08/23/2022 ~ ARRL The National Association for Amateur Radio® has published its 2021 Annual Report. The report summarizes ARRL’s program and fiscal activity for the year.

In his introductory remarks, ARRL President Rick Roderick, K5UR, said that the organization moved steadily forward in 2021, gaining momentum after the challenges that 2020 brought. “It began bit by bit in the early months of the year, with Headquarters staff returning to the office, and reached a turning point on July 15, the day we rededicated ARRL Headquarters and reopened the building and W1AW to our members,” Roderick said. He also noted that the rededication ceremony “gave all of us an opportunity to reflect on where ARRL has been, and affirm where we are headed,” and expressed excitement for what’s coming next. ARRL CEO David Minster, NA2AA, dug into some of the organization’s 2021 achievements in his opening remarks, citing the success of ARRL’s End-Fed Half-Wave Antenna Kit; new forays into video content; and hiring, into key roles, Field Services Manager Mike Walters, W8ZY; Director of Emergency Management Josh Johnston, KE5MHV,

and Education and Learning Manager Steve Goodgame, K5ATA.

The theme of the 2021 report — “Back Together” — referred to the many unions and reunions that occurred throughout the year, from being able to attend in-person hamfests once again, to partnering with Netherlands-based HF Kits to produce the antenna kit, as well as teaming up with the Radio Society of Great Britain at the end of the year to commemorate the centenary of the ARRL-sponsored Transatlantic Tests.

Included in the report is ARRL's Report to America, which highlights recent instances of ham radio operators serving their communities by providing emergency communications. These stories include amateur radio activations and response for storms, fire, and other disasters -- When All Else Fails®. The 56-page Annual Report also recounts and summarizes the activities of all of ARRL’s departments and includes a complete 2021 fiscal report. ARRL ended 2021 with 158,238 members, a total that was slightly under the year-end goal of 160,084, but gained 29,027 new members, which represented an 11% increase from 2020.

The ARRL 2021 Annual Report is available for download at www.arrl.org/annual-reports. Founded as The American Radio Relay League, ARRL is a noncommercial organization of radio amateurs. ARRL numbers within its ranks the vast majority of active radio amateurs (or “hams”) in the US, and has a proud history of achievement as the standard-bearer in promoting and protecting amateur radio. For more information about ARRL and amateur radio, visit www.arrl.org.



MFJ to Celebrate 50th Anniversary

08/12/2022 ~ MFJ Enterprises, an amateur radio electronics

manufacturer and retailer, will celebrate 50 years in business this October. Martin Jue, K5FLU, founded the company in 1972 after building a CW filter kit that sold for less than \$10. Since 1990 the company has made five acquisitions, including Hy-Gain and Cushcraft antennas.

MFJ Customer Services and Public Relations

Manager Richard Stubbs says the company continues to grow with the popularity of amateur radio and currently manufactures over 2,000 products. "I've been with the company for 28 years and the numbers are good," said Stubbs. "Amateur radio continues to grow worldwide."

Quite a few of MFJ's employees have worked there for years, such as MFJ Product Representative Phyllis Randle, who will be retiring in September after 45 years with the company. She started working there when she was a teenager in 1977, and she is now the Product Representative for all MFJ dealers.

Jue graduated from Mississippi State University with a bachelor's degree in electrical engineering, and he earned a master's degree in electrical engineering at Georgia Institute of Technology (Georgia Tech). He served as a professor of electrical engineering at Mississippi State University from 1972 until 1979, but abandoned his doctorate in 1977 because of MFJ's growth. Currently, because of COVID-19 concerns, the company does not have any plans for a special event to celebrate the anniversary, although Stubbs said that may change in the months ahead.



New ARRL Radio Lab Inspires Innovation in the Ham Shack

08/09/2022 ~ ARRL has unveiled its new Radio

Laboratory, W1HQ. In a new YouTube video, Jherica Goodgame, KI5HTA, a summer intern at ARRL Headquarters, tours viewers through the station.

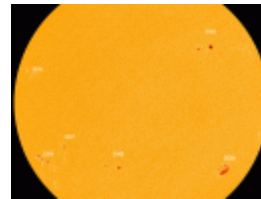
"The ARRL Radio Lab is an innovative test space designed to reshape the way we imagine and build a ham radio shack," said Goodgame. The station is intended to inspire members to build, organize, and equip their own stations in innovative ways. "From a decluttered workspace and a digital user interface, to being able to remote into the equipment from anywhere, W1HQ is a step towards the future of amateur radio stations," Goodgame added.

The station includes a new tower and antennas atop the main administrative building at ARRL Headquarters in Newington, Connecticut. Inside the

station, three operating positions provide an interface to rack-mounted and computer-controlled transceivers, amplifiers, antenna switches, and rotators.

Goodgame explained that the Radio Lab will also support equipment testing and QST Product Review. "An extension of product reviews in the future will be to take that piece of gear that we're testing, put it on this test bench, and see how it integrates with a station that's already under full automation and control," she said.

The video is published on ARRL's YouTube channel at <https://youtu.be/68BJxGHg74Y>.



The K7RA Solar Update

08/26/2022 ~ On August 18 a new sunspot group emerged, another on August 21, then

two more on August 23, and three more on August 25, when the sunspot number jumped to 94 from 46 the previous day. Total sunspot area more than doubled from Wednesday to Thursday.

Solar activity overall was down slightly for the reporting week, August 18-24, with average daily sunspot number declining from 60.8 during the previous seven days to 58.7, and average solar flux from 123.7 to 104.5.

Planetary A index changed from an average of 11.7 to 12.6, and middle latitude A index measured at a single magnetometer in Virginia was 11, after an average of 10 last week.

As an indicator of rising solar activity, a year ago this bulletin reported average daily sunspot number at 17.7, 41 points below this week's report.

The Thursday night forecast from the 557th weather wing at Offut Air Force Base shows a probable peak of solar flux for the near term at 130 on September 11 and again on October 8.

Predicted solar flux is 120 on August 26-27 (up from 105 in the previous day's forecast), 115 on August 28, 110 on August 29-31, 115 on September 1-2, 116 on September 3-4, 112 on September 5, 108 on September 6-7, then 115, 120, 124 and 130 on September 8-11, then 128, 120, 118, 105 and 102 on September 12-16, 98 on

September 17-18, 96 on September 19-21, 94 on September 22-24, then 92, 98 and 100 on September 25-27, then 108, 114, 116 and 116 on September 28 through October 1.

Predicted planetary A index has some surprises in store, at 5 on August 26, 8 on August 27-28, 10 on August 29, 5 on August 30-31, 8 on September 1-2, then jumping way up to 30, 38 and 20 on September 3-5, then 15, 18, 10, 12 and 8 on September 6-10, 5 on September 11-12, then 12, 15 and 10 on September 13-15, 8 on September 16-17, then 25, 15 and 8 on September 18-20, 5 on September 21-22, 12 on September 23, then 8 on September 24-26, 5 on September 27-29, then back up to 30, 38, 20, 15 and 18 on September 30 through October 4, an apparent echo of the prediction for September 3-7.

The above predictions were from USAF forecasters Easterlin and Sadovsky.

F.K. Janda, OK1HH wrote:

"As in the previous solar rotation, the Sun's activity continued to decline. Geomagnetic activity, however, has increased. More pronounced eruptive activity was mainly in the southwest quadrant of the solar disk.

"The active sunspot, AR3078, produced several M-class solar flares and more than a dozen C-class flares. Most of the eruptions hurled particles into space. The first CME hit Earth's magnetic field on August 20. The next active sunspot group, AR3085, behaved similarly after reaching the same active heliographic longitude as the previous sunspot, AR3078.

"Sunspot AR3085 grew more than ten times larger and turned into a double sunspot group with cores almost as wide as the Earth. Finally, a new sunspot, AR3088, appeared, again in the southern hemisphere of the Sun.

"Attention is now drawn to a large coronal hole in the southeastern solar disk that could affect the solar wind after it appears near the central meridian.

"With the current type of development, predictions of further events are more difficult than usual. Either way, we now expect a quasi-periodic increase in solar activity."

Here is a news article about a large sunspot:

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

British tabloid sunspot news:

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

Here is an article about a planet-sized sunspot:

<https://bit.ly/3PL6IXy>

A Nature World News story about a big sunspot:

<https://bit.ly/3csY16x>

A report about eleven discoveries and the coming solar max, from American Geophysical Union:

<https://bit.ly/3R95HcW>

From Space.com, the threat of unexpected flares:

<https://bit.ly/3AL32AS>

Here is a paper on solar rotations:

<https://bit.ly/3e0p5ux>

I did not include an article titled "Destructive solar storms are possible as Sun approaches height of its terrifying solar cycle." The article claimed that Solar Cycle 25 peak will be a year from now, rather than the consensus prediction of 2025.

Send your tips, reports, observations, questions, and comments to k7ra@arrl.net .

For more information concerning shortwave radio propagation, see <http://www.arrl.org/propagation> and the ARRL Technical Information Service at <http://arrl.org/propagation-of-rf-signals> . For an explanation of numbers used in this bulletin, see <http://arrl.org/the-sun-the-earth-the-ionosphere> .

An archive of past propagation bulletins is at <http://arrl.org/w1aw-bulletins-archive-propagation> . More good information and tutorials on propagation are at <http://k9la.us/> .

Instructions for starting or ending email distribution of ARRL bulletins are at <http://arrl.org/bulletins> .

Sunspot numbers for August 18 through 24, 2022 were 83, 74, 56, 56, 44, 52, and 46, with a mean of 58.7. 10.7 cm flux was 116.5, 105.4, 101.5, 97, 102.6, 100.9, and 107.8, with a mean of 104.5. Estimated planetary A indices were 26, 20, 14, 14, 7, 4, and 3, with a mean of 12.6. Middle latitude A index was 19, 15, 16, 13, 7, 3, and 4, with a mean of 11.

SEPTEMBER PUZZLER

PAUL ATKINS, AI6BB

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 Q 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

WORDLIST

accredited	keyer	ray
agreement	kilo	rectification
antipode	line	relay
array	load	rotator
audio	logic	safety
call	microprocessor	secondary
centi	modulate	skip
characteristic	mutual	sma
clipping	national	solar
defined	open	speech
doping	oscillator	sunspot
environment	packet	sunspots
full	parallel	surface
gateway	plates	tank
interference	primary	transmitter
inversion	processing	value
	radioteletype	

ANSWER TO AUGUST'S PUZZLER

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

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 Hoffbrau

3rd 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.

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www.smcready.org
cert@pacificapolice.org



63 years



of Service

53 years



Affiliation

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
Membership	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 R. Scott Sutor	AI6BB KM6SCD	(415) 810-9152	ai6bb@arrl.net

**MEETING
NOTICE:**



**SEPTEMBER 14, 2022 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: