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# THE COASTSIDE COMMUNICATOR

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VOL. 55

No. 8 ~ AUGUST 2023

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

## PRESIDENT'S COLUMN

Our trip to the California Historical Radio Society on July 22nd was fun. It was interesting seeing its renovated home in Alameda and the day consisted of a fun program. There was an auction (of mostly circa 1930 receivers), a band, a radio play and a couple of lectures of radio history in the Bay Area around the start of the 20th century. We learned about the wild west days of spark-gap radio. News stories of the time included the story of two fourteen year-olds who were hailed in news articles as child geniuses. This quickly turned when prank calls were sent to shipping after which they were labeled hoodlums, national enquiries were launched and the start of the legal framework that we now operate under was put in place.

Our next big event is running radio and dispatch for Fog Fest 2023. Not only does it give us an opportunity to give back to the community, but it also brings income to the club. Come to the next meeting at the Firehouse on August 9th and help us plan it.

73, Steve KN6ORM  
Club President

## CARC JULY 12, 2023 MEETING MINUTES

**Call to Order:** The July 12, 2023 meeting was called to order at 7:31pm by President Steve Austin-KN6ORM, at the Linda Mar Fire Station, Linda Mar, Pacifica. Attempting to include participants via Zoom.

**Self-introductions:** Introductions by members in attendance.

**Minutes:** Motion made by Paul-AI6BB and seconded by Jon-N6SJF to approve the June minutes as published in the July Coastside Communicator. Motion passed by unanimous vote of the membership present.

**TREASURER'S REPORT:** The funds provided by the Treasurer as of June 30, 2023 are:

APRS/Digipeater	\$ 1,511.00
EOC/Public Service	\$ 15,730.00
General Fund	\$ 3,538.23
Repeater Fund	\$ 2,504.00
Grand Total	\$ 23,283.23

Field Day: Expenses:

RV Basic rental	\$ 1,011.76
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Return Fees:

Fuel Refill	\$ 87.32
Late Fee	\$ 66.70
Dumping Fee	\$ 83.30
Propane Refill	\$ 62.77
Total RV Fees	\$ 1,311.85

Site:

Permit for Oceana HS (Paid in May)	\$ 680.00
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Total FD Expenses	\$ 1,991.85
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There was a \$50.00 donation to the Repeater Fund

ARRL Points. We earned 453 QSO points. 140 were CW contacts and 173 were phone contacts. We fell short on bonus points. We got 100 points for the newspaper entry. We could have earned 100 points by not turning the generator on at night. That's a bonus if you use only alternate energy. We can also get 100 points for using the Oceana high School campus.

There were some incidental supplies purchased and contributed as donations. Donation of \$300 towards RV forthcoming.

Action item: Authorize reimbursement from CARC of no more than \$1,056.86 for RV rental. Motion made by Jillian-KN6PIV and seconded by Ron-WB9EGG to approve reimbursement to Jon-N6SJF \$1,056.86 for the RV rental. Motion passed by unanimous vote of the membership present.

Membership – A/O end of June 2023, there are 49 paid members on the roster.

Bills needing approval – Reimbursement of \$1,056.56 to Jon-N6SJF as stated above.

Correspondence – Steve-KN6ORM has been in contact with Chris Long (Walt's son) about taking possession of the New Motorola repeater. See update below.

## COMMITTEE REPORTS

Current Repeater

1. Status of current WA6TOW repeater: Working but with degraded capacity.
2. APRS – Working
3. Emergency Services – No Report.

Replacement Repeater

Update on Replacement Repeater: Steve made arrangements with Chris Long to meet and pick up the Motorola repeater from Walt's house and it is now located in Steve's garage. Steve to meet with Casey-N6TZE and make a trip up to the Montara site and do an evaluation on the current repeater to determine what the next steps are.

NEWSLETTER – July Newsletter Published and emailed to Paul.

WEBSITE – Working. July Newsletter posted. Paul to work on making a photo album of Field Day pictures and posting them on the website.

## UNFINISHED BUSINESS

A. 15-meter beam antenna – Progress – No definite schedule for Gary & Frank to get together.

B. 2023 CARC Schedule of Activities: Revisit at August meeting.

C. Speakers giving presentations via Zoom – Steve asked Ron if his friend could do a Zoom presentation. Ron will check.

D. Second checking account and opening a CD - Tabled action to the July 12<sup>th</sup> meeting.

E. There is a trip planned to the California Historical Radio Society Museum on Saturday, July 22, 2023. CHRS RADIO DAY BY THE BAY 2023 – LIVE IN ALAMEDA. 8am-3pm. \$10.00 Donation for the whole day. If interested, contact Steve-KN6ORM at [kn6orm@gmail.com](mailto:kn6orm@gmail.com) for more information and possible car-pooling.

## NEW BUSINESS

A. Discussion on CD's and second checking account. Motion made by Ron-WB9EGG and seconded by Ralph-KC6YDH to approve opening a second checking account and CD at US Bank. Motion passed by unanimous vote of the membership present. Jon will make arrangements with the bank and contact the E-Board to schedule meeting at the bank.

## Adjournment

Motion made by Jon-N6SJF and seconded by Ron-WB9EGG to adjourn the meeting at 8:08pm. Meeting adjourned.

## Present at the Meeting

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

**Members:** Jillian-KN6PIV, Georgia-KE6KRT, Ron-WB9EGG, Ralph-KC6YDH, Ted-W6SY

**Visitors:** Julie Lancelle

Submitted by: Tom-KJ6OGL, Secretary

## NEWS

### ARRL and NASA Team Up to Help Teachers

7/27/2023

A radio experiment held on July 26, 2023, to decode a slow-scan TV (SSTV) message sent via the ham radio station on the International Space Station (ISS) was successful.

The image was received by a group of educators at ARRL Headquarters in Newington, Connecticut through the voice repeater on the ISS. Teachers from around the United States were on hand for the [ARRL Teachers Institute on Wireless Technology](#), a program that empowers educators to incorporate amateur radio into their science, technology, engineering, and mathematics (STEM) curriculum. As part of the professional development program, the group received and decoded the image sent by volunteers with Amateur Radio on the International Space Station (ARISS). The transmitted image said, "ARRL Teachers Institute: ensuring a space for radio in the next generation."

The teachers thought it was cool. "Amateur radio is so important to the future of engineering and STEM in our country," said Kristen Kucko, KQ4ECP, one of the institute participants. The group gathered outside ARRL Headquarters with antennas they had made earlier in the day. As the pass happened, the educators tracked the ISS by hand. A warble of SSTV transmission filled the air, and the group was excited. After the pass, they used laptops to decode the audio stream into an image, while they sat on picnic tables and enjoyed pizza and wings.

For ARRL Education and Learning Manager Steve Goodgame, K5ATA, the experiment was a way to allow teachers to engage with the power of radio. "When teachers can pull an image off the ISS via amateur radio, it gives a sense of accomplishment that gets them excited. We want to get them fired up about radio, so they can carry that energy back to their classrooms and do the same thing with their students," said Goodgame.

Each of the teachers on hand for the second phase of the institute, -- "TI-2: Remote Sensing and Data Analysis," - - have already been through the introductory course and they are all licensed radio amateurs. The institute costs teachers nothing to attend, thanks to funding from [the ARRL Education & Technology Program](#).

Several local television stations from the Hartford-New Haven market covered the event. See coverage from [WTNH News 8 \(ABC\)](#) and [WFSB Eyewitness News 3 \(CBS\)](#).

**Job Posting: FCC Recruiting Field Agents**  
07/17/2023

The Federal Communications Commission (FCC) is looking for qualified applicants for Field Agents in four local offices across the United States. From the FCC posting: The FCC has openings for Field Agents in the following FCC Field Offices: New York, Boston, Chicago, Los Angeles & San Francisco.

Operates and understands all technical equipment typically used in the Field including RF spectrum analyzers, field strength meters, RF Field survey meters, and radio receivers. Maintains contacts with and assists other Federal agencies, foreign counterparts, and local law enforcement organizations concerning interaction and utilization of the radio spectrum for both authorized and unauthorized activities.

Initiates Official Notices of Violation, Warnings, Notices of Apparent Liability for Forfeiture, and other orders to radio operators and licensees, to bring unsatisfactory or violative conditions to their attention as a result of monitoring, investigations and inspections. Independently initiates correspondence or other communications with complainants and radio users concerning the enforcement functions of the office and region.

The Salary is \$66,134 - \$158,432 per year depending on qualifications and experience. We are looking for degreed Electrical or Electronics Engineers with experience that includes tasks such as tests, measurements, calculations and other similar work involving radio frequency (RF) engineering, broadcast engineering, or telecommunications engineering.

For details see the job postings here:

New York, Boston, Chicago:  
<https://www.usajobs.gov/job/736540500>

Los Angeles & San Francisco:  
<https://www.usajobs.gov/job/736547300>

Applications are being accepted through August 24, 2023.

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*In Brief....*

**Commercial Interests Petition  
FCC for High Power Allocation  
on Shortwave Spectrum**  
[Updated 7/18/2023]



The ad hoc group "Shortwave Modernization Coalition" petitioned the Federal Communications Commission (FCC) to allow data communications on multiple bands within the HF 2 – 25 MHz range with up to 20 KW, including in bands immediately adjacent to spectrum allocated to the Amateur Radio Service. This group appears to represent high-speed stock trading interests.

[ARRL The National Association for Amateur Radio®](#) is treating the petition as a subject of concern for its

members and the greater Amateur Radio Service. ARRL Laboratory staff are studying the matter from a technical standpoint, including analysis of transmitted signals potentially interfering with Amateur Radio communications on Amateur Radio spectrum. The results from this expert review are being finalized and will inform ARRL's filed comments on the matter.

The FCC has assigned the petition RM-11953. Comments are due by July 31, 2023, and reply comments by August 15. While the petitioners exclude the amateur bands, high power operations on immediately adjacent bands are proposed.

A copy of the petition is at:

<https://www.fcc.gov/ecfs/document/1042840187330/1> (PDF).

### **Morse Code is still thriving in amateur radio, 24 years after its last commercial use.**

On July 12, 1999, the original dot/dash system, invented by Samuel F. B. Morse in 1837, gave way to the rapid development of analog and digital communications. The final message sent in Morse code for commercial use was the same one that Morse hammered out on his telegraph key 155 years earlier in 1844, which was, "What hath God wrought?" But this time the message was followed by SK, meaning silent key, or deceased. The International Maritime Organization replaced Morse code with the Global Maritime Distress and Safety System -- an automated ship-to-shore and ship-to-ship system that use satellites and/or terrestrial radio systems with digital selective calling technology. Morse Code is also still used in aviation. Pilots listen to a Morse code identifier to verify that their navigation receivers are tuned to the correct radio aid, such as a VHF Omni-Directional Range (VOR) or Instrument Landing System (ILS) approach guidance system. Railroads stopped using Morse code in the mid-1970s. While Morse code is no longer used commercially, it is still an integral part of amateur radio. Amateur radio operators are no longer required to learn Morse code to obtain their license, but many learn the code on their own or by using study guides and taking classes. Every day, amateurs around the world use Morse code to communicate with each other, test their radio equipment, or pass along friendly information. Morse code is essential in helping people communicate during disasters and emergencies because of its signal ability to penetrate adverse weather issues and propagation disturbance. ARRL offers a variety of resources for those interested in learning Morse code. Visit <http://www.arrl.org/learning-morse-code> for more information.

### **via the RSGB: International Lighthouse and Lightship Weekend**

A reminder that International Lighthouse and Lightship Weekend is coming up soon.

The event is usually held on the third weekend of August which in 2023 is 19 and 20 August.



It is one of the most popular amateur radio events in the calendar, and in past years there have been more than 500 entries from over 40 different countries.

More details about the event and a registration form can be found at [illw.net](http://illw.net).

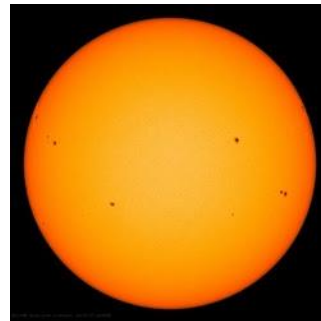
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### **The K7RA Solar Update**

7/27/2023



Average daily sunspot numbers declined from 130.6 to 128.1 over the past week of July 20 - 26.

Average daily solar flux declined significantly from 190.5 to 172.2.

The solar flux forecast sees values at 168, 165, and 162 on July 27 - 29; 158 on July 30 - 31; 155 and 158 on August 1 - 2; 165 on August 3 - 4; 170 and 175 on August 5 - 6; 180 on August 7 - 10; 175 on August 11 - 13; 180 on August 14 - 15; 175 on August 16 - 18; 170 on August 19; 165, 165, and 160 on August 20 - 22, and 155 on August 23 - 26.

Predicted planetary A index is 20, 10, 5, 10, and 8 on July 27 - 31; 5, 5, 10, and 8 on August 1 - 4; 5 on August 5 - 9; 10 on August 10; 8 on August 11 - 13; 5 on August 14 - 19, and 10, 8, and 5 on August 20 - 22.

Read about sunspots, flares, and aurora at the following link:

<https://bit.ly/44JxcRp>

Check out a story about the Mars rover seeing the far side of the sun at the link below:

<https://bit.ly/3KbRV8b>

Also, see the report of a rocket punching a hole in the ionosphere at:

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

Nearly 5 decades ago in Marin County, California, I, too, witnessed a rocket penetrating the ionosphere. It was a huge, dramatic display. My friend had seen a similar thing before, and said it was created by a rocket launch from Vandenberg Air Force Base in Southern California.

Sunspot numbers for July 20 - 26, 2023, were 131, 121, 103, 117, 141, 137, and 147, with a mean of 128.1. The 10.7-centimeter flux was 184.3, 172.8, 174.4, 172.5, 165.1, 169, and 167.4, with a mean of 172.2. Estimated planetary A indices were 10, 13, 9, 6, 7, 11, and 21, with a mean of 11. Middle latitude A index was 10, 11, 9, 5, 8, 12, and 23, with a mean of 11.1.

Send your tips, questions, or comments to [k7ra@arrl.net](mailto:k7ra@arrl.net).

A propagation bulletin [archive](#) is available. For customizable propagation charts, visit the [VOACAP Online for Ham Radio](#) website.

A weekly, full report is posted on [ARRL News](#).

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## COMING EVENTS

**PAARAday** at the Hiller Aviation Museum, Aug 19, 2023 at 10:30am. Email: Rob at [kc6tyd@gmail.com](mailto:kc6tyd@gmail.com) for reservations.

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](mailto:ad6zh.mj@gmail.com).

Upcoming amateur exam opportunities / via **BAEARS**: Our next session will be Saturday August 12 in Redwood City. Reservations are required so please visit our website at: <https://www.baears.com/> to register. You will find The "session Info" banner with information on the session and the link to register under "Upcoming Sessions".

**Electronics Flea Market (EFM)** - Sunday, August 13, 2023 at West Valley College / via ASVARO <https://www.asvaro.org/>. The Electronics Flea Market. (<http://www.electronicfleamarket.com/>) "swap meet" is being held on the **second** Sunday (6:00am - 12:00pm) of each month, March through September, in the parking lot of the West Valley College in Saratoga from 6:00AM until 12PM. **NOTICE:** New Flea Market starting time is

6:00 AM. Please don't arrive in the area before 5:30 AM as the organizers need to maintain quiet until 8:00 AM.

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

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

email: <mailto:cert@pacificapolice.org>

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

**Our 17<sup>th</sup> 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](http://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

**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.).

**Pacificon** will be held October 20-22, 2023 at the San Ramon Marriott. Details here:

<https://www.pacificon.org/>

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## SELL / TRADE / ???

If you have amateur radio related item(s) you'd like to sell/trade/or?, send an email to: [kj6ogl@arrl.net](mailto:kj6ogl@arrl.net).

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## MEMBERS REPORT

If you have local amateur radio news or related you'd like to share, send an email to: [kj6ogl@arrl.net](mailto:kj6ogl@arrl.net).

**NET Control Operators Wanted.** If you'd like to try your hand at being a Net Control Operator for the Daly City Net or the CARC Wednesday Night Check-in on WA6TOW, let me know: [kj6ogl@arrl.net](mailto:kj6ogl@arrl.net).

### AUGUST PUZZLER

PAUL ATKINS, AI6BB

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

- |              |               |             |
|--------------|---------------|-------------|
| agreement    | examiner      | packet      |
| ammeter      | fundamental   | passive     |
| antenna      | horizontal    | path        |
| array        | image         | power       |
| audio        | ion           | radio       |
| calling      | itu           | reduction   |
| cathode      | jfet          | sequential  |
| cfi          | kilo          | services    |
| choke        | loading       | shack       |
| converter    | log           | solar       |
| coordination | long          | sudden      |
| crt          | magnetosphere | thermistor  |
| defined      | meter         | to          |
| deflection   | milli         | transform   |
| digital      | monitor       | transformer |
| dmm          | national      | velocity    |
| doublet      | nec           | wave        |
| duty         | overload      | willful     |

### ANSWER TO JULY'S PUZZLER

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



**CARC MEETING/EVENT SCHEDULE**

Date	Event
Jan 11 <sup>th</sup>	Firehouse Meeting - 2023 Agenda Planning
Feb 8 <sup>th</sup>	Firehouse Meeting - 2023 Agenda Final
Mar 8 <sup>th</sup>	Firehouse Meeting
Mar 12 <sup>th</sup>	Daylight Savings Time Starts
Apr 12 <sup>th</sup>	Pizza Meeting – Round Table Pizza
May 10 <sup>th</sup>	Firehouse Meeting - Field Day Planning
Jun 14 <sup>th</sup>	Firehouse Meeting - Final Field Day Planning – Flag Day
Jun 24 <sup>th</sup> -25 <sup>th</sup>	Field Day – Oceana HS, Pacifica
Jul 12 <sup>th</sup>	Firehouse Meeting
Aug 9 <sup>th</sup>	Firehouse Meeting
Sep 13 <sup>th</sup>	Firehouse Meeting – Fog Fest Planning
Sep 23 <sup>rd</sup> -24 <sup>th</sup>	Pacific Coast Fog Fest - Pacifica
Oct 11 <sup>th</sup>	Firehouse Meeting – 2024 Nomination of Officers
Nov 5 <sup>th</sup>	Daylight Savings Time Ends
Nov 11 <sup>th</sup>	Dinner Meeting & Election of Officers
Dec 13 <sup>th</sup>	Firehouse Meeting - Holiday Potluck

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 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) 270-5823	n6sjf@knosys.com
CLUB STAFF				
Control Officer	Steve Austin	KN6ORM	(415) 420-1199	kn6orm@gmail.com
Emergency Services				
Field Day	Jon Lancelle	N6SJF	(650) 270-5823	n6sjf@knosys.com
Membership	Jon Lancelle	N6SJF	(650) 270-5823	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	Steve Austin	KN6ORM	(415) 420-1199	kn6orm@gmail.com
Website	Paul Atkins	AI6BB	(415) 810-9152	ai6bb@arrl.net

**MEETING  
NOTICE:**



**JUNE 14, 2023 7:30 PM (FIREHOUSE & ZOOM)  
WATCH FOR INVITATION VIA E-MAIL OR CONTACT  
CARC\_INFO@COASTSIDEARC.ORG TO BE ADDED**

COASTSIDE COMMUNICATOR

EDITOR  
P.O. BOX 1106-6106  
PACIFICA, CA 94044

FIRST CLASS

TO: