



THE COASTSIDE COMMUNICATOR

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WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

As the year progresses, our plans are coming together. Most importantly, our plans for Field Day 2023 are progressing and we have reserved the parking lot at Oceana as we did last year. Our performance from Oceana in 2022 was pretty much the same as when we held it at Sweeney Ridge and the Oceana location is much more accessible.

At the February meeting, we discussed other potential activities for the year. Walt KG6EDY mentioned a visit to the USS Hornet, a trip to the California Historical Radio Society or the Computer History Museum. Our March meeting is on Wednesday the 8th this month at the Firehouse, so come and let us know what activities you would like to participate in for 2023.

73, Steve KN6ORM
Club President

CARC FEBRUARY 08, 2023 MEETING MINUTES

Call to Order

The February 08, 2023 meeting was called to order at 7:34pm by President Steve Austin-KN6ORM, at the Linda Mar Fire Station, on Linda Mar Blvd., Pacifica. Included participants via Zoom.

Self-introductions

Introductions by members in attendance.

Minutes

Motion made by Walt-KG6EDY and seconded by Paul-AI6BB to approve the January minutes as published in the February Coastside Communicator. Motion passed by unanimous vote of the membership present.

TREASURER'S REPORT

The funds provided by the Treasurer as of January 31, 2023 are:

General Fund	\$ 4,180.23
Repeater Fund	\$ 2,248.00
APRS/Digipeater	\$ 1,475.00
EOC/Public Service	\$ 15,730.00
Grand Total	\$ 23,633.23

Membership – Jon-N6SJF reported there are 21 membership payments for 2023 as of Jan 31, 2023. As an item of information, seven (7) additional payments for 2023 membership have occurred in February to date. This brings the current roster up to 28 paid members for 2023. **Reminder** that March 31st is the end date for dues renewal before being dropped as a member.

Bills needing approval – None at this time. Casey to submit receipts for the temporary repeater and parts.

Correspondence – Received email from Chloe Pedersen: “I would just like to say a quick word of thanks! As a youth services librarian running a fun radio and broadcasting history class for 10–14-year-olds, I've been able to get some great use out of your Amateur Radio Club's resource links list during these times of remote learning. We were even able to use some of this information for our most recent group project! Thanks so much for sharing!
coastsidearc.org/www.coastsidearc.org/Links.php

I hope you don't mind, one of our youngest, Dylan has also

asked me if I could share an article that he and his father found together recently on Broadcasting and its History with you, which includes a great breakdown on early 20th century broadcasting and Reginald Fessenden's first experiments broadcasting vocals and music, the Herrold School experimenting with radio transmissions and call signs in 1909, Post World War II developments in broadcasting, etc. I've included it below if you'd like to review!

We noticed you didn't have this one listed yet, but Dylan was actually the one to bring up that this could be something you might like to include for others who may also come across your information and have an interest in radio history.

If you find you're able to use this one, would you please let me know? We're meeting tomorrow, and I would absolutely love to surprise Dylan if you are able to do so - I'm hoping to keep spirits up in light of the past few year's events and I think it would make him proud to know he was able to 'pay it forward' on a topic he's passionate about (we're big on this principle in our group) and maybe even show his father their contribution if it ends up being included.

Thanks again for all your help here,"

Chloe Pedersen

<https://wyomingllcattorney.com/Blog/Business-Studies-Broadcasting-History>

COMMITTEE REPORTS

Current Repeater

1. Status of current WA6TOW repeater: Currently working ok. A little scratchy at various times, otherwise working well. Casey-N6TZE has the temporary Yaesu DR-2X repeater. He needs to program it first and is waiting for cables and such to get it done. Steve received an offer, from John Owens-NN6U (formerly N6SJO), to drive people up to the site with his 4X4 vehicle.
2. APRS – Working
3. Emergency Services – No Report

Replacement Repeater

Update on Replacement Repeater: Walt-KG6EDY says now that he has most of the parts together, its 3 cables short of being operational. Need software to for the controller. Ralph-KC6YDH gave him a website that has an aftermarket program, based on Old DOS. Also said that he not knowing how Roy-KE6MNJ programmed it, he needs to find out how to get the codes out of it for the control radio. It is close to being ready. Trying to figure what Roy was doing with the external power supply. Is questioning why not use the internal power supplies built in to the repeaters. He has the connectors and

that Dave-KF6TWW or Walt will make them. Once he gets the cables, he can go into test phase.

NEWSLETTER – Published and emailed to Paul-AI6BB for uploading to website.

WEBSITE – Working. Paul-AI6BB has raspberry pi server that he makes changes and updates prior to uploading to the working website. Paul has the code to setup PayPal and needed a financial person for contact. Treasurer Jon-N6SJM has agreed to be that contact. Paul and Jon will be working together to get the code installed and operational on the website.

UNFINISHED BUSINESS

A. Frank-N6FG mentioned the 15-meter beam antenna needs to be looked at. Gary-KI6HIG stated he is willing to help in checking it. He did requested that it would be nice if there were a couple of extra people to help. Ron-WB9EGG and Steve-KN6ORM said they would help. Still waiting for the weather to improve.

B. Dave Rinck-K6DMR is retiring as Club Station Trustee & Club Station Control Operator. As posted in the November 2022 issue of the Coastside Communicator, in the President's Column and under Communications from the October CARC Meeting Minutes, President Steve Austin-KN6ORM, stated he received a communication from Dave's wife indicating such action. Steve announced to the membership present, if anyone is interested in the position(s) to contact any club officer. No interested responses were received, so he said he will take on the responsibility. He requested assistance from Casey-N6TZE in the required ARRL/FCC forms and transfer of duties. No motion made or seconded, but approved unanimously by the membership present. Update: On January 26, 2023, Steve met with the Executive Board to sign form created to include with ARRL Change Form 605-C. Jan 27, 2023 - Received notice from the FCC that the changes are now effective and a new "Official Copy" of the station license is available. Printed 2 copies for Steve to sign – one to keep with Club records for meetings, and one to laminate for Field Day or any event that requires the station license. Steve will continue to

work with Casey on getting a “remote control station” to monitor/restart the repeater.

C. 2023 CARC Schedule of Activities. Walt-KG6EDY stated that when he was president of the Club, he has a list of locations for amateur radio related activities that the Club could visit, such as the USS Hornet and California Historical Radio Society, both in Alameda. The Computer Museum in Mountain View, K6PH Radio north of Point Reyes. Never did the radio fox hunt. We did build antennas and had a small hunt in the Fire Station parking lot.

D. Field Day reservations at Ocean HS – Jon-N6SJF submitted Permit Request to the Jefferson School District for Permit to use the north parking lot at Oceana HS. Waiting for approval.

E. Round Table Pizza reservations. Dave-KF6TWW to make the reservations.

F. Speakers giving presentations on Zoom. Ron-WB9EGG has a friend, Bob Zavrel-W7SX, who wrote a book on Antenna Physics, an introduction, might be someone to contact. Steve-KN6ORM mentioned sending an email to the membership to see what they might be interested in.

NEW BUSINESS

A. Field Day Presentation to Oceana HS Administrators – Tom-KJ6OGL stated there was a suggestion of visiting Oceana HS and do a presentation of Amateur Radio to students. There is information available on the ARRL website relating to YOTA (Youth On The Air) and How To’s for presenting to school/district administrators. Further discussion with Club Officers on Slack prior to presenting to the Club.

B. There was some concern about monies, from membership dues and external functions where the Club is paid, coming into the Club and IRS/FTB reporting. Paul-AI6BB has worked out the totals and what needs to be reported.

Adjournment

Motion made by Walt-KG6EDY and seconded by Frank-N6FG to adjourn the meeting at 8:31pm. Meeting adjourned.

Present at the Meeting

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

Members: Walt-KG6EDY, Steve-K6YUA, Frank-N6FG, Ron-WB9EGG and Dennis-KN6QER on Zoom.

Visitors: None

Submitted by: Tom-KJ6OGL, Secretary



NEWS

Amateur Radio Active in Turkey and Syria Following Earthquakes

In the days following the 7.8 magnitude earthquake and aftershocks that hit Turkey and Syria on February 6, 2023, emergency communications have been active with rescue and response efforts.

The emergency communications group Türkiye Radyo Amatörleri Cemiyeti (TRAC) is coordinating primary communications.

The designated primary disaster communication frequency is 28.540 MHz (USB). In addition, 3.777 and 7.092 MHz will also be used as needed. Amateur radio operators have been asked to avoid these frequencies to allow any emergency traffic.

In a statement issued to ARRL on February 9, 2023, IARU Region 1 Emergency Communications Co-Ordinator Greg Mossop, G0DUB, said the full effects of this disaster continue to unfold along with the search for any remaining trapped people.

Here is his full statement: "Aziz, TA1E, is now at the disaster area and coordinating frequencies for teams carrying out search operations. Many countries have sent Search and Rescue [(SAR)] resources but the only ones known to have radio amateurs embedded in them are Georgia and Bosnia [and] Herzegovina. The Romanian SAR team has no operators, but [it] does have communications equipment supplied by RVSU, one of the Amateur Radio emergency groups in Romania.

Aziz reported yesterday that 'due to the overwhelming dimension of the incident, some problems in coordination occur[ed]. These naturally have an impact [o]n the coordination of the incoming foreign SAR groups.

'Assistance of individual radio amateurs is only possible if they are 'embedded' to SAR Teams with [International Search and Rescue Advisory Group] (INSARAG) Certification, which [has] been accredited by the Turkish government.'

Traffic is being heard on 10 and 80 meters in the Turkish language, so the request to keep frequencies in the area clear remains. The majority of emergency communications traffic remains on VHF.

Amateur Radio Events Celebrate the Universe

Two amateur radio events are scheduled in mid-February to celebrate an astronomer who mapped the universe and an astronomer who discovered a planet.

The [Northern Arizona DX Association](#) (NADXA) has been conducting a 10-year special event countdown to the 100-year anniversary of Pluto's discovery.

The planet was spotted in 1930 by Clyde Tombaugh at the Lowell Observatory in Flagstaff, Arizona. This is the third year of the special event, which will run from February 11 - 19, 2023. NADXA club members will operate from the Lowell Observatory and their own stations. They will be using the call sign W7P on most bands and modes, beginning February 11 at 00:00 UTC through February 20 at 00:00 UTC. Also operating will be W7P/0 from Kansas City, Missouri. The W7P/0 station is managed by the nephew of Clyde Tombaugh, Doug Tombaugh, N3PDT. Last year's event resulted in more than 7,000 QSOs, 58 DX entities, and 17,000 lookups on <https://www.qrz.com/>.

In Poland, from February 17 - March 5, 2023, the [Polish Amateur Radio Union \(PZK\)](#) will operate nine special event stations honoring the 550th anniversary of the birth of Nicolaus Copernicus. Copernicus mapped the universe and formulated a model that placed the sun, rather than Earth, at its center.

The nine special event stations will operate from February 17 at 00:00 UTC to March 5 at 23:59 UTC, using the following call signs: SN550K, SN550O, SN550P, SN550E, SN550R, SN550N, SN550I, SP550K, and SN550NC.

All amateur operators can participate, and QSL cards and other awards will be available.



W7P QSL card.



The K7RA Solar Update ~ 2/24/2023

Tad Cook, K7RA, of Seattle, Washington, reports for this week's ARRL Propagation Bulletin, ARLP008:

Solar activity plunged this reporting week, although there was some excitement on February 17, 2023, when the solar flux was reported as a record breaking 343.1.

Because it was the noon reading, it is still reported by the National Oceanic and Atmospheric Administration (NOAA) as the solar flux, but this

was a false reading when the Pentiction detectors were overloaded by energy from a solar flare.

So, in this report, I have chosen the 1800 UTC flux value, which was 165.

The average daily sunspot number plunged from 182.4 to 107, while the average solar flux dropped from 196.4 to 162.4. If I had not changed the 343.1 to 165, the solar flux average would have been 187.9.

Six new sunspots emerged over the week, one on February 16, one each on February 18 and 19, and three more on February 20.

The solar flux prediction for the next month shows a peak value of 180 for March 7 - 13.

Predicted values are 150 on February 23; 148 on February 24 - 25; 146 on February 26 - 27; 142 on February 28; 140 on March 1; 145 on March 2 - 3; 150, 155, and 165 on March 4 - 6; 180 on March 7 - 13; 175 and 170 on March 14 - 15; 160 on March 16 - 17; 155, 160, 150, 140, and 135 on March 18 - 22; 125 on March 23 - 24; 130 on March 25, and 140 on March 26 - 28.

Predicted planetary A index is 8 on February 23 - 24; 10, 5, and 12 on February 25 - 27; 18, 16, and 8 on February 28 - March 2; 5 on March 3 - 4; 15, 18, 15, and 8 on March 5 - 8; 5 on March 9 - 14; 15 on March 15; 8 on March 16 - 17; 5 on March 18 - 20; 10 on March 21 - 23; 5 on March 24 - 25, and 8 on March 26 - 27.

On February 18, a number of North American stations worked Robert Felicite, 3B9FR, around 1600 UTC on 6-meter FT8. (3B9FR is on Rodrigues Island in the Indian Ocean, off the southeast coast of South Africa)

Conditions were great [during] the ARRL [International] DX CW Contest on 10 meters. I operated [for] a couple of hours [on] Sunday morning [while] running 5 W and a quarter-wave whip fixed mobile. [I] worked [more than one] hundred stations [between] Europe, the Caribbean, South America, and Africa. Many of the Europeans were over S-9."

In Brief....

SC4ARES, which is sponsored by SC4ARC, was activated by our served agency - the La Honda Fire Brigade 4 times since the end of December, 2022. All activations were due to severe winter storms which resulted in widespread power and communication outages, downed trees, flooding and mudslides in the south coast of San Mateo County. A DOC was established at the La Honda Fire Brigade. ARES operators and CERT staffed the DOC 24 x 7 until the end of the activation. ARES operators transmitted emergency traffic and authenticated road closures to the EOC in Half Moon Bay. In addition, they provided essential information to the local community, who in turn transmitted the information to their respective GMRS radio networks in their neighborhoods. HMB ARES was also activated during the Jan 4-5 and Jan 8-10 incidents. Per our EC for HMB ARES: Pat O'Coffey, KJ6GMG
President SC4ARC; EC South Skyline ARES

HAMFEST 2023, March 18, 2023 – The SFARC (Sierra Foothills Amateur Radio Club is hosting it's 7th Annual Loomis HAMFEST at the Loomis Historic Train Depot, Loomis, CA. Locate Flyer at: <https://www.w6ek.org/activities/hamfest/flyer> . Further information can be found at: **Website:** www.w6ek.org
Group.io: groupsio.w6ek.org

73
Smitty (WB!G) | Public Information Officer
The Sierra Foothills Amateur Radio Club
(W6EK)
(530) 492-0920

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.

MARCH PUZZLER

PAUL ATKINS, AI6BB

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

WORDLIST

ammeter	keying	propagation
beat	kilo	rate
bit	league	reflector
chassis	local	relay
choke	log	resistance
demodulate	long	scatter
diffract	match	sensitivity
digital	microprocessor	sequential
doublet	mismatch	short
driven	mixer	signal
efficiency	mount	software
element	noise	ssb
equalization	nvis	stage
eregion	open	tap
examiner	packet	tube
impedance	parasitic	vfo
jack	permissible	willful
	phone	

ANSWER TO FEBRUARY'S PUZZLER

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

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.).

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

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
May 10 th	Firehouse Meeting - Field Day Planning
Jun 14 th	Firehouse Meeting - Final Field Day Planning
Jun 24 th -25 th	Field Day – Oceana HS, Pacifica
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.

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

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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

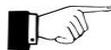
Sunday:

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	Steve Austin	KN6ORM	(415) 420-1199	kn6orm@gmail.com
Emergency Services	TBD			
Field Day	Jon Lancelle	N6SJF	(650) 355-2245	n6sjf@knosys.com
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Website	Paul Atkins	AI6BB	(415) 810-9152	ai6bb@arrl.net

**MEETING
NOTICE:**



**MARCH 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: