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# THE COASTSIDE COMMUNICATOR

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VOL. 53, No. 3

MARCH 2021

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## PRESIDENT'S COLUMN

It gives me great pleasure to report that both my wife and I received our first dose of the COVID19 vaccine last week! If you are eligible to get yours, then do it now! If you are still waiting for your 'group' to be eligible, then I wish for your vaccines to come very soon! I feel that the end of this pandemic is near, and I can't wait to be able to conduct club meetings in person again.

Thanks to member Dave Conroy KM6CPF for showing his slides from Israel; Jon Lancelle N6SJF

for his 4-part bass National Anthem; and Paul Atkins AI6BB for his presentation on using an

Arduino for a project after our last Zoom meeting. These were fun; very informative and interesting, and I hope that other members or guests will continue to add to the fun!

Looking at our Club's event calendar for this year, I notice a lot of Zoom meetings are scheduled and not much else. Having the ARRL Field Day event is still iffy, so I hope that we can come up some ideas for things to do until the pandemic is over. What are you thinking? Let me know!

73's Dave Lawrence KF6TWW.

## CARC FEBRUARY 10, 2021 MEETING MINUTES

### Call to Order

The February 10, 2021 meeting was called to order at 7:35pm by: Vice-President Paul Atkins-AI6BB, on Zoom Video Conference hosted by Jon Lancelle-N6SJF.

### Self-introductions

Introductions by members in attendance.

### Minutes

Motion made by Frank Erbacher-N6FG and seconded by Jon Lancelle-N6SJF to approve the January minutes as posted in *The Coastside Communicator*. Motion was passed by unanimous vote of the membership present.

## TREASURER'S REPORT

### Funds

No Financial Report given.

### MEMBERSHIP

As of 20210210 there have been 24 members that have renewed their membership. Frank stated that he will send an email to those members that have not renewed.

### Bills needing approval.

None

### Correspondence

None

## COMMITTEE REPORTS

### CURRENT REPEATER

1. Update on **status of WA6TOW repeater** from Dave Rinck-K6DMR: Paul asked if anyone knew of anything going on with the repeater. Nothing new to report since Mike Herbert-WB6JKV went up the hill and restarted the repeater after the last storm disrupted the power.
2. **APRS** – No report
3. **Emergency Services** – No report

### Replacement Repeater

Dave Lawrence/KF6TWW reported that he exchanged 2 emails with Roy Brixen/KE6MNJ regarding the new repeater. Roy stated he had been to the storage unit and that all everything is still there that is supposed to be there and that he has one big battery charging in his garage. Dave asked him how hard it would be for him to take his truck to the storage unit and pick up everything and bring to Scott Sutor's/KM6SCD to be setup and tested. He has not heard back from Roy on that issue yet. Dave will reach out to Scott to see if he is still willing to do the beta test of the repeater at his place. He will also reach out again to Roy and figure what the next step will be.

Paul-AI6BB posted some activities on the website and in the newsletter and asked the membership to look at them and decide if we as a club can attend or do independently, such as Field Day, Devil's Slide Ride, Fog Fest & etc. Think about activities that the club might participate in for discussion at the next meeting.

FIELD DAY - Tabled

Devil's Slide Ride – Tabled

FOG FEST - Tabled

NEWSLETTER - Published

WEBSITE – Updated newsletter. If anyone has comments on the website, let Paul know.

Net Script - Using (COVID-19) approved script.

## UNFINISHED BUSINESS

A. None

### New Business

A. None

### Adjournment

Motion made by Dave Lawrence-KF6TWW and seconded by Georgia Grant-KE6KRT to adjourn the meeting at: 8:21p.m. Meeting adjourned to presentations.

### Present at the Meeting

**Officers:** President: Dave Lawrence-KF6TWW, Vice-President: Paul Atkins-AI6BB, Secretary: Tom Oliver-KJ6OGL, Treasurer: Frank Erbacher-N6FG

**Members:** Georgia Grant-KE6KRT, Ralph Kugler-KC6YDH, Dave Conroy-KM6CPF, Walt Long-KG6EDY, Ken Restivo-N6KAR, Jon Lancelle-N6SJF, Bill Lillie-N6BCT, Ted Niemira-K6TET

Submitted by: Tom Oliver-KJ6OGL, Secretary

## NEWS

### *ARES VOLUNTEERS REPORTED RESPONDING TO SEVERE WEATHER*



02/16/2021 ~ *Weather gone wild might be an apt description of the conditions in many parts of the US, with sub-freezing temperatures in areas not prepared for that sort of thing.*

*Aberrant weather seems to be happening across many US regions. Snow has fallen in Texas and Oklahoma, accompanied by record-setting temperature readings.*

*The severe weather has caused power and telecommunications outages, and ARRL Amateur Radio Emergency Service (ARES) volunteers in southern Texas have been called up by served agencies to help fill the resulting communication gap. The National Weather Service (NWS) says a weather*

system will help to create a new wave of low pressure in the Gulf of Mexico that will become the next winter storm to track across the Lower Mississippi Valley and into the Ohio and Tennessee Valleys.

“A massive winter storm is moving across the Ohio Valley into the Northeast bringing snow, sleet, and freezing rain,” the NWS said. “Expect significant travel disruptions and power outages. Another winter storm will move into the south-central US bringing another round of snow and ice. Arctic air with frigid temperatures and dangerous wind chills will persist over the central third of the US this week.”

ARRL Emergency Response Director Paul Gilbert, KE5ZW, who lives in the Austin, Texas, area, reports that ARES members “have been very, very, very busy” with storm-related traffic. “The Williamson County ARES team has been activated by the Williamson County Emergency Manager,” he reported at mid-day.

A net to address power outages, vehicle accidents, health and welfare, power outages, and weather updates has been running 24 hours for the past 2 days. Two repeaters in his area are down, due to power and generator outages, he said. Electrical power in his area has been up and down, but his cell service has mostly been working.

Gilbert reported 4 – 8 inches of snow on the ground and “lots of ice.” Temperatures have dipped into record-setting single digits. “The whole state is in a rolling blackout,” he said. “The roads are very treacherous, and emergency services have not been able to respond to all calls as a result.

Gilbert reported at around 2200 UTC on Tuesday that Williamson County ARES (Wilco ARES) is using the 146.640, N5TT Williamson County Amateur Radio Club repeater, the 146.700, N5MNV, Jeff Schmidt repeater, and the 147.080, NA6M, Mark Stennet repeater. “They are running 24 hours for the next few days and have been since Sunday, with a net controlled formal net.” He said they were able to help one ham who had no heat, a car out of gas, and 18° in the house to find shelter for him and his dog.

The ARES net is tracking the rolling blackouts as the local provider grid becomes overwhelmed by increased demand. “Some water shortages were reported, as pumping stations failed from lack of power,” he said.

Gilbert said the plan is to run the net until Wednesday with 24-hour operation and then evaluate the continuing need. ARES participants are reporting all

pertinent information to Williamson County served agencies and emergency management.

North Texas SEC Greg Evans, K5GTX, reports that the Grayson County ARES team has activated to staff warming shelters, and the emergency operations center (EOC) in Hill County was activated on February 15.

New Mexico Section Emergency Coordinator Jay Miller, W5WHN, reports that southeastern New Mexico is currently experiencing rolling power blackouts due to high demand. “The stations checking in via HF and repeaters are having frozen water pipe problems,” Miller said. “Most of the New Mexico ARES stations have back-up power.”

Miller said the rest of New Mexico is digging out of three storms’ worth of snow and frigid temperatures. “Several stations are reporting rural roads are impassable, especially in the mountains,” he said. Chaves County SKYWARN Coordinator Jim Tucker, KB0QNW, in southeast New Mexico, reported, “We continue to experience rolling blackouts. I continue to monitor local and regional repeaters and systems, as well as the 7290 Traffic Net, should any need arise. I [passed] a message from Bowie, Texas, to Clovis, New Mexico.

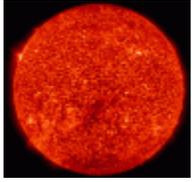
Illinois Section Manager Thom Beebe, W9RY, reported no ARES activations, but the state got up to 1 foot of snow with drifting. “Residents are being advised to stay at home, given the sub-zero wind chill and hazardous driving conditions,” Beebe said of his area, but he noted that other areas of Illinois are reporting similar conditions, with even more snow and significant drifting.

Alabama experienced a rare hard freeze overnight with light snow across the state, especially in the northwestern part of the state where some roads have been closed,” said Alabama SEC David Gillespie, W4LHQ. He said power outages have occurred, and temperatures remain below freezing.

“Roads are horrible especially in South Central Indiana,” was the report from Indiana Section Manager Jimmy Merry, KC9RPX, although no ARES groups have activated. He measured some 9 inches of new snow and more than 12 inches on the ground. “So far I haven’t heard of any power outages, but a lot of accidents have occurred on the roads.” Merry said the wind is supposed to pick up this afternoon, and he expects a lot of drifting. “We are supposed to get some more significant snow in the next couple of days,” he added.

An strong, unseasonable tornado hit eastern North Carolina on February 15, killing three and destroying homes near Ocean Isle Beach.

## The K7RA Solar Update



02/19/2021 ~ Tad Cook, K7RA, Seattle, reports: A period of zero sunspots ran from February 4 – 17, but on Wednesday evening while viewing the [STEREO spacecraft image](#), I saw a very bright area on

our sun's northeast horizon. Shortly after, [Spaceweather.com](#) reported, "A new active region is [hiding just behind the sun's northeastern limb](#). It might be a sunspot."

The next day, February 18, two new sunspot regions appeared in our sun's northern hemisphere, numbered 2802 and 2803. Region 2802 should soon rotate off the visible solar disc, and 2803 is the region just now crossing the eastern solar horizon.

Spaceweather.com warns us to expect a minor geomagnetic storm on February 21, triggered by a solar wind stream.

Average daily solar flux this week dropped from 72.8 to 72. Average daily planetary A index was unchanged from last week at 7.7.

Reported cracks in Earth's magnetic field on Tuesday allowed solar wind to pour in, sparking aurora around the Arctic Circle. Alaska's College A index jumped to 45 (A high number), after the K index hit seven at 0600 and 0900 UTC. This is from a single magnetometer near Fairbanks.

Predicted solar flux for the next 30 days is 71 on February 19 – 21; 70 on February 22 – 26; 73, 74, and 73 on February 27 – March 1; 74 on March 2 – 3; 73 on March 4 – 6; 74, 70, and 74 on March 7 – 9; 76, 72, and 71 on March 10 – 12, and 72 on March 13 – 20. Flux values may rise to 76 again on March 23 – 24.

Predicted planetary A index is 5, 8, 18, 12, and 10 on February 19 – 23; 5 on February 24 – 28; 18, 15, and 8 on March 1 – 3; 5 on March 4 – 5; 15 on March 6; 5 on March 7 – 11; 18, 10, 8, and 8 on March 12 – 15; 5 on March 16 – 19; and 18, 15, and 12 on March 20 – 22.

Here's the geomagnetic activity forecast for February – March 16 from F.K. Janda, OK1HH.

The geomagnetic field will be:

- quiet on February 19, 25 – 27, March 5, 9 – 11, 14
- quiet to unsettled on February 20, 24, March 4, 7 – 8, 13, 16
- quiet to active on February 21, 23, 28, March 2 – 3, 12

- unsettled to active February 22, March 1, (6, 15)
- active to disturbed none predicted
- Solar wind will intensify on February (21,) 22 – 24, (25,) March (1,) 2 – 4, (5 – 8, 12 – 15)

Parentheses mean lower probability of activity enhancement.

Predictability of changes remains low, as indicators are ambiguous.

Jeff Hartley, N8II, in West Virginia (FM19cj) sent this report last week:

"Sporadic E is slow to end for the winter season. On Sunday, February 7, we had Es to New England and to W/SW starting around 1915 UTC lasting until around 2145 UTC into Vermont. In the Vermont QSO Party, NS1DX, operating K2LE with big antennas, was S9 + 20 dB at one point around 2100 UTC on 15-meters SSB. I worked about seven Vermont QSOs total on 15 and added several on 20, which did not open from here until the Es. NX3A in Virginia, about 60 miles farther from Vermont, made five Vermont contacts on 10. I listened on 10, but there was nothing to Vermont when I checked.

F2 was definitely improved over a year ago into both Minnesota and British Columbia for their parties. On February 6, British Columbia was booming in to West Virginia the entire afternoon on 20, and there was an opening 1800 – 2000 UTC on 15 with good signals at the peak. Sunday was poorer, but still better than 2019 on 20.

Minnesota stations on 20 were loud most of the day on February 7 from 1445-2215 UTC.

Most days it is possible to work Europe on 15, but openings are short and most weak. MM5AJN/M near Aberdeen in northeast Scotland was about S-5 on 15 SSB on February 10 at 1415 UTC. Today, February 12, I worked a V51 in Namibia and TZ4AM (S-9) in Mali on 15 CW. Senegal was heard as well. I made one QSO with the Milan, Italy, area on 15 CW and a DJ5 in Stuttgart, Germany, on SSB.

Here's the [latest report](#) from the Space Weather Woman, Tamitha Skov, WX6SWW, from a few days ago.

This weekend is the CW portion of the [ARRL International DX Contest](#).

Sunspot numbers for February 11 – 17 were 0, 0, 0, 0, 0, 0, and 0, with a mean of 0. The 10.7-centimeter flux was 75.8, 72.1, 71.3, 71.4, 69.6, 71.5, and 72.4, with a mean of 72. Estimated planetary A indices were 4, 5, 13, 4, 5, 15, and 8, with a mean of 7.7. Middle latitude A index was 2, 4, 10, 3, 3, 11, and 6, with a mean of 5.6.

For more information concerning radio propagation, [visit](#) the ARRL Technical Information

Service, [read](#) "What the Numbers Mean...", and [check out](#) K9LA's Propagation Page.

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

[Instructions](#) for starting or ending email distribution of ARRL bulletins are on the ARRL website.

[Share](#) your reports and observations.

## ARRL Board Considers Plan to Cover New \$35 FCC Fee for Some Young Applicants



02/17/2021 ~ At its Annual Meeting in January, the ARRL Board of Directors considered a motion to offer a new service

that would pay the new but not-yet-implemented \$35 FCC application fee for a limited number of new radio amateurs younger than age 18 who, at the time of testing, belonged to an ARRL Affiliated 501(c)(3) charitable organization and passed their tests through an ARRL VEC-sponsored exam session. The proposal called for reducing the VEC fee for these candidates to \$5.

The initial proposal came from ARRL Southeastern Division Director Mickey Baker, N4MB. Other Board members offered subsidiary motions. Supporters said the purpose behind the motion was to ameliorate the potential financial hardship the pending FCC application fee posed on certain minors applying for their first license, and to encourage new youth membership.

Consideration of the motion, which was subject to considerable discussion, was deferred to an ad hoc committee composed of the members of the Administration & Finance Committee, two Members of the Programs & Services Committee, and ARRL CEO David Minster, NA2AA (or his designated representative). The Board directed the panel to review and more fully develop the proposal and report back to the Board by the end of March with a recommendation as to whether such a program should be adopted and, if adopted, how it should be implemented.

Supporters expressed the belief that recruitment and training of young radio amateurs "is a necessary and proper mission of the ARRL" and that subsidizing the \$35 fee "will reduce the number of new amateurs that otherwise would be lost from these groups."

In December, the FCC agreed with ARRL and other commenters that the initially proposed \$50 fee for certain amateur radio applications was "too high to account for the minimal staff involvement in these applications." In a Report and Order (R&O), the FCC scaled back to \$35 the fee for a new license application, a special temporary authority (STA) request, a rule waiver request, a license renewal application, and a vanity call sign application. All fees are per application. There will be no fee for administrative updates, such as a change of mailing or email address.

As the FCC noted in its R&O, although some commenters supported the proposed \$50 fee as reasonable and fair, "ARRL and many individual commenters argued that there was no cost-based justification for application fees in the Amateur Radio Service."

"After reviewing the record, including the extensive comments filed by amateur radio licensees and based on our revised analysis of the cost of processing mostly automated processes discussed in our methodology section, we adopt a \$35 application fee, a lower application fee than the Commission proposed in the NPRM for personal licenses, in recognition of the fact that the application process is mostly automated," the FCC said in the R&O. No fee would apply to minor modifications or administrative updates, which, the FCC noted, "are highly automated."

The FCC turned away the arguments of some commenters that the FCC should exempt amateur radio licensees. The FCC stated that it has no authority to create an exemption "where none presently exists." The FCC also disagreed with those who argued that amateur radio licensees should be exempt from fees because of their public service contribution during emergencies and disasters.

The FCC has directed the Office of Managing Director, in consultation with relevant offices and bureaus, to draft a notice for publication in the Federal Register announcing when rule change(s) will become effective, "once the relevant databases, guides, and internal procedures have been updated."

**MARCH PUZZLER**

PAUL ATKINS, AI6BB

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

WORDLIST

airlink	driver	loop
ammeter	error	match
anode	farad	mixer
antipode	field	modem
attenuation	fregion	modulator
bleeder	gain	nominal
cfi	gateway	plates
clock	geomagnetic	reflector
coordination	height	rffeedback
counter	henry	smt
cycle	hum	sporadice
deci	image	technology
decibel	intermediate	tranceiver
defined	ion	transconductance
dielectric	level	windowline
direct	local	yagi
	long	

**ANSWER TO FEBRUARY'S PUZZLER**

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

**COMING EVENTS**

**Pacifica CERT (Community Emergency Response Team)**

**For training and information**

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

email: <mailto:cert@pacificapolice.org>

**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).

**ASVRO Silicon Valley Electronics Flea Market**

All dates for the 2020 Electronics Flea Market have been canceled.

State and county Shelter in Place orders and restrictions on large sustained gatherings are likely to stay in effect through October 2020. In consideration of government orders and the safety of all participants, ASVARO has canceled all the Silicon Valley Electronics Flea Market dates for 2020.

We are hopeful that conditions will improve sufficiently in 2021 to resume the market next year. We expect to see you again in 2021. For updates, please visit:

<https://www.electronicfleamarket.com/>

DATE	EVENT
Jan 13th	Zoom Meeting ~ 2021 Agenda Planning
Feb 10th	Zoom Meeting ~ 2021 Agenda Final
Mar 10th	Zoom Meeting
Mar 14th	Daylight Savings Time Starts
Apr 14th	Zoom Meeting
May 12th	Zoom Meeting ~ Field Day Planning
Jun 9th	Zoom Meeting ~ Final Field Day Planning
Jul 14th	Zoom Meeting
Jun 25 <sup>th</sup> -27 <sup>th</sup>	Field Day ~ Details TBD
Jul 14th	Zoom Meeting
Aug 11th	Zoom Meeting
Sep 9th	Zoom Meeting
Oct 13th	Zoom Meeting, 2022 Officer Nomination
Nov 7th	Daylight Savings Time Ends
Nov 10th	Zoom Meeting
Dec 8th	Zoom Meeting – Election of Officers

Meetings will resume at the Linda Mar Fire Station when COVID-19 conditions permit.



[www.smcready.org](http://www.smcready.org)  
[cert@pacificapolice.org](mailto:cert@pacificapolice.org)



**In Memoriam**



**Roger G. Spindler-WA6AFT/SK**



**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 Net**

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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62 years



of Service

52 years



Affiliation

**CARC, P.O. Box 1106, Pacifica, CA 94044**

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 ARES 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 audiostickerbur.net.

CLUB OFFICERS				
Office	Name	Call	Phone	E-Mail Address
President	Dave Lawrence	KF6TWW	(650) 595-2827	kf6tww@gmail.com
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Secretary	Tom Oliver	KG6OGL	(640) 488-0704	toliver0577@gmail.com
Treasurer	Frank Erbacher	N6FG	(650) 355-4355	n6fg@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
Newsletter Editor	Paul Atkins	AI6BB	(415) 810-9152	ai6bb@arrl.net
	Scott Gillette	KN6GQZ		scott@sgillette.com
Newsletter Publisher	Frank Erbacher	N6FG	(650) 355-4355	n6fg@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
	R. Scott Sutor	KM6SCD		

**MEETING  
NOTICE:**



**FEBRUARY 10, 2021 7:30 PM**  
WATCH FOR INVITATION VIA E-MAIL OR CONTACT  
[CARC\\_INFO@COASTSIDEARC.ORG](mailto:CARC_INFO@COASTSIDEARC.ORG) TO BE ADDED

COASTSIDE COMMUNICATOR

EDITOR  
P.O. BOX 1106  
PACIFICA, CA 94044

FIRST CLASS

TO: