



QRO

MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

DECEMBER 2021



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All **QRO** monthly issues since 2007 are on the PVARC website at: www.k6pv.org in the "Newsletter" tab. Additional club news appears in the emailed PVARC Weekly Bulletin.

Holiday "After Dinner"

Live via Webex

Thursday, December 2, 2021

- ◆ Part 3: "The Lighter Side of Amateur Radio"
- ◆ 2021 Rhombic Award
- ◆ Ham radio door prizes

7:15 pm: Webex room opens

7:30-9:15 pm: Meeting

Guests welcome. Email ai6df@arrl.net for the Webex meeting link.

Also:

PVARC HF Enthusiasts Group meeting, Saturday, December 11, 10:00-11:45 am, via Webex.

PVARC EmComm Interest Group meeting, Saturday, December 18, 10:00-11:00 am, via Webex.

PVARC's upcoming meeting topics...

Palos Verdes Amateur Radio Club



2021 Holiday “After Dinner”

7:30 pm, Thursday, December 2, 2021

PVARC's **Holiday “After Dinner”** on December 2nd via Webex replaces this year's in person Holiday Dinner. Please eat dinner responsibly, then attend our online “After Dinner” at 7:30 pm with your optional dessert and/or beverage. We'll again be giving away some great door prizes and all members attending have an equal chance to win (no purchase required but you must be in the meeting no later than 7:50 pm).

This year's Holiday “After Dinner” speaker is your **QRO** Editor AI6DF who was asked to give a new presentation: Part 3 of “The Lighter Side of Amateur Radio.” She gave Parts 1 and 2 of “The Lighter Side of Amateur Radio” at our 2017 and 2019 Holiday Dinners.

Our Holiday “After Dinner” program includes presenting PVARC's 2021 Rhombic Award to a member who has provided outstanding service to our club. We'll also have a brief review of our club's 2021 activities and outlook for 2022.

The “After Dinner” door prizes include gift certificates from DX Engineering (one for \$200, two \$50, two \$25 certificates) and Ham Radio Outlet (one for \$200, two \$50; and two \$25 certificates.) Also to be awarded is an ARRL 2021 Handbook.

Next year's PVARC Holiday Dinner is December 8, 2022, at Los Verdes Golf Course—and we hope the pandemic will be done by then. ■

Resuming in-person PVARC meetings...and normalcy

By Diana Feinberg, AI6DF

Are you old enough to remember that 1950's TV series, "The Life of Riley"? Aircraft-plant worker Chester A. Riley (played by William Bendix) always found himself in another unfortunate predicament, with Riley ending most episodes exclaiming in disgust: "What a revoltin' development this is!"

Over 60 years later the same can be said for the coronavirus. Every time we plan "returning to normal" a new variant makes us again mutter Riley's stock phrase.



Above: Five attended PVARC's HF Enthusiasts Group Nov. 13 meeting in the Palos Verdes Library Purcell Room. From left to right: Ray, N6HE; Dave, W6OQ; Bob, AC6RM; George, NA6Q; and (behind the camera) Don, WG6E. PHOTO: DON WILT, WG6E

We realize many PVARC members are not ready for resuming in-person meetings. Be assured we will strive for hybrid monthly general meetings and hopefully hybrid HF Enthusiasts Group meetings as well. Our EmComm Interest Group meetings will always be virtual.

PVARC's November 13th HF Enthusiasts Group met in the Palos Verdes Library's Purcell Room—our first there since February 2020. We reserve the Purcell Room for a year in advance but after canceling so many Saturdays it was important to demonstrate our intention to use this space.

On November 4th our first hybrid monthly meeting worked well, both for those at home and others at Hesse Park. Besides Bob Sylvest AB6SY presenting a great program about microphones this was also a hybrid meeting proof of concept test. We've submitted PVARC's intended dates for using Hesse Park during January-June 2022 but haven't received approvals yet.

As an indication of returning to normalcy, our Board of Directors recently voted to resume PVARC membership dues in 2022 at their previous levels: \$20 for an individual membership and \$25 for a family membership. We waived membership dues for 2021 as did some other ham clubs but all clubs are readying to resume certain activities along with their associated expenses. We are extremely grateful to the PVARC members whose donations during 2021 covered our recurring fixed expenses in the absence of dues.

Before you say "What a revoltin' development this is!" there's interesting news on dues. We have both gently-used and never-used ham equipment from several Silent Keys to give away at many PVARC monthly meetings in 2022. Only paid members will be eligible. As always, the PVARC is committed to providing value to members through our meetings, activities, publications, and your fellow members. We look forward to your continued membership, support, and friendship. ■

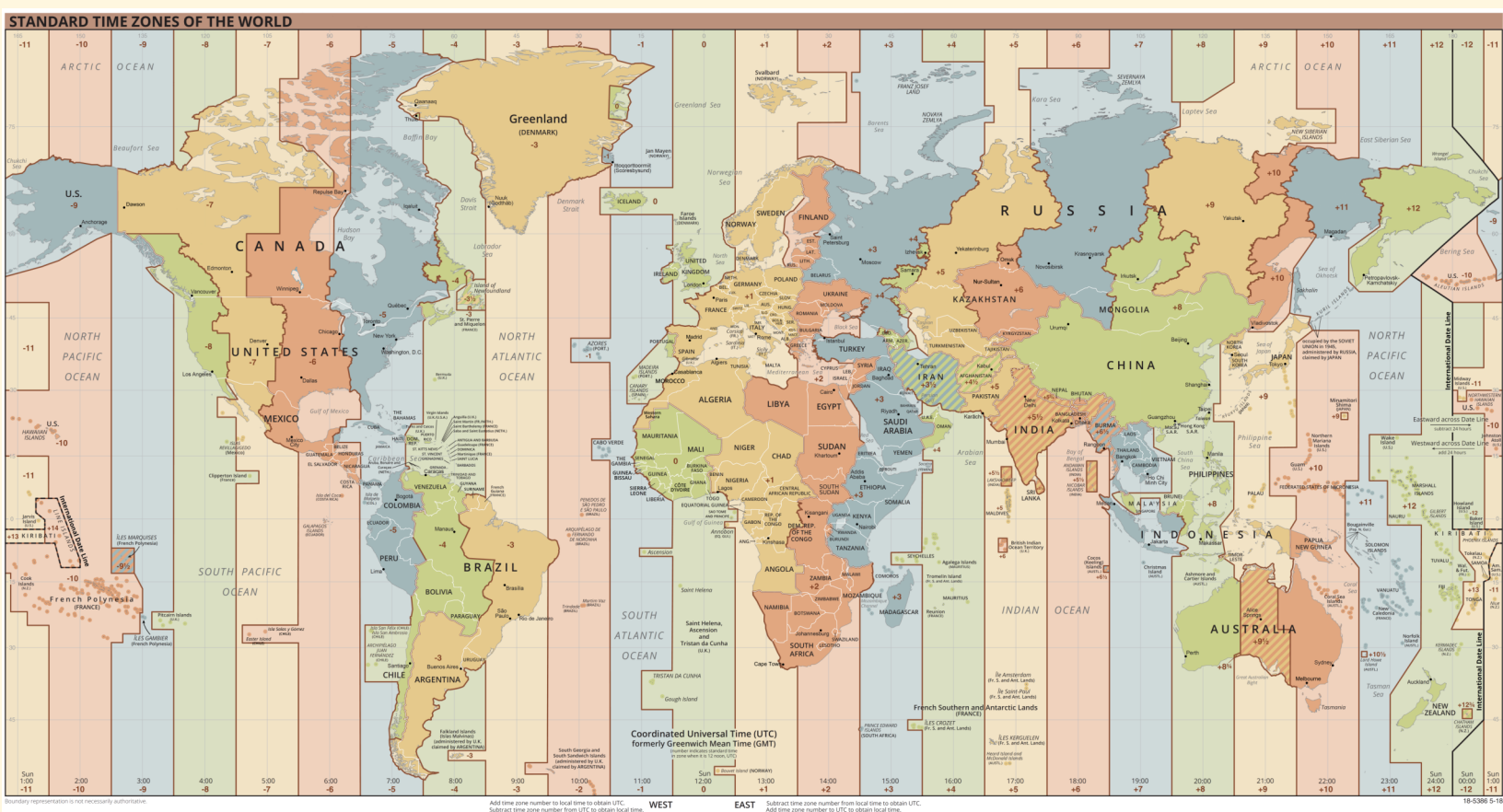
From the ARRL Contest Update, November 10, 2021:

WORD TO THE WISE: Why “Coordinated Universal Time” is abbreviated as “UTC”

Coordinated Universal Time (UTC)

Coordinated Universal Time, or UTC, is the primary time standard by which the world regulates clocks and time. It is within about 1 second of mean solar time at 0° longitude and is not adjusted for daylight saving time. It is effectively a successor to Greenwich Mean Time (GMT).

You may be asking yourself why the abbreviation is "UTC" and not "CUT." This abbreviation comes as a result of the International Telecommunication Union and the International Astronomical Union wanting to use the same abbreviation in all languages. English speakers originally proposed CUT (for "coordinated universal time"), while French speakers proposed TUC (for "temps universel coordonné"). The compromise that emerged was UTC. ■



Above: This public domain world map created by the Central Intelligence Agency shows the 24 time zones centered on Coordinated Universal Time along with the geo-political exaggerations of each time zone.

Credit: https://en.wikipedia.org/wiki/Coordinated_Universal_Time#/media/File:World_Time_Zones_Map.png

Stranded or injured while hiking in the San Gabriel Mountains? If no cellphone coverage, amateur radio might (or, not) work

By Diana Feinberg, AI6DF

“Hi, there. I just got my ham Technician license so I can use ham radio in case I’m stranded or injured while hiking in the mountains around Los Angeles. What frequencies should I put in my new ham radio to get help?”

Your **QRO** Editor, in another capacity, regularly receives emails such as the above. I dislike being a bearer of bad news but no ham frequencies are voluntarily monitored 24/7 for local mountain emergencies. Even if we had one or more such channels there’s no assurance of reaching these repeaters because of huge variations in terrain and the hiker’s specific location/situation.

Outside the ham bands and across open space, boaters are fortunate having marine Channel 16 (156.800 MHz) monitored 24/7 for distress calls near coastlines and harbors. High above, pilots have distress frequencies monitored on 121.500 MHz for civilian planes and 243.000 MHz for military ones. The rest of us must dial 911 from phones for emergency help...but cellphone service is very spotty in Los Angeles County’s mountains. *(Not available to hams: 155.160 MHz is the U.S. national mountain search and rescue frequency but it’s only for use by SAR teams when deployed—not for the public to report being lost or injured.)*

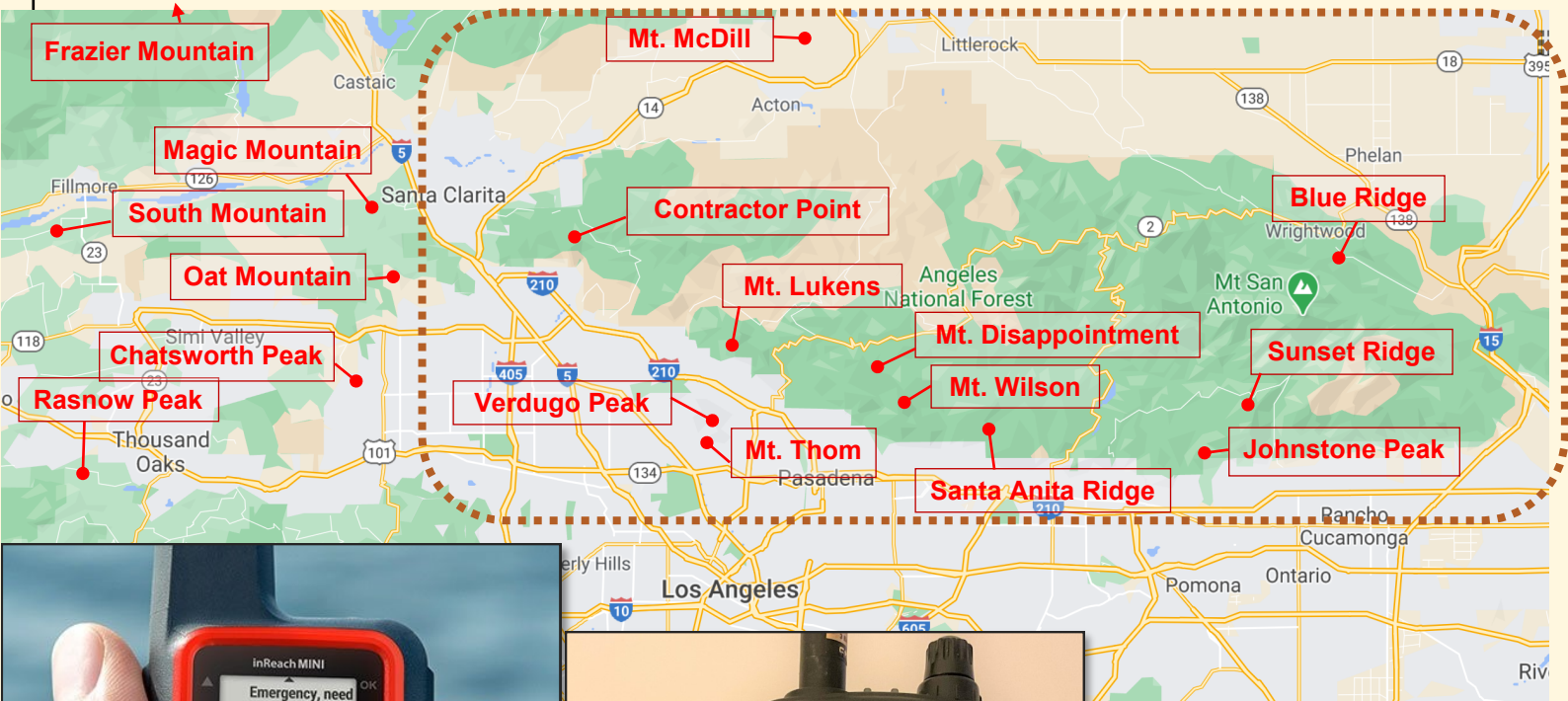
So what to do? Without cellular service or a low-Earth orbit satellite GPS reporting device (*see next page*), use amateur radio to contact whatever ham operator you can find. But first, program into your radio all Open ham repeaters in the San Gabriel Mountains listed on pages 7-8. If you have a mountain emergency try reaching the nearest repeater. If no response, turn the channel selector and listen to each repeater...if you hear anyone, break in (say “Break-Break”) and convey your situation. It helps to provide your GPS coordinates but communicate them correctly or helicopter/SAR teams might be searching for you elsewhere. ►



Above: Looking northeast from above Glendale, the San Gabriel Mountains are much more complex behind their familiar front range above Altadena/Pasadena. Peaks and valleys run both east-west and north-south, making radio communication challenging because many repeater sites are on the south front ranges to cover the L.A. Basin. PHOTO: GOOGLE MAPS

Stranded or injured while hiking in the San Gabriel Mountains? If no cellphone coverage, amateur radio might (or, not) work

To use ham radio near these mountains, program the Open repeaters shown on pages 7-8 ►



Garmin inReach Mini (larger models also available.)

Pros: Uses low-Earth orbit Iridium satellites to send your exact GPS coordinates and 160-character short text messages. Very precise, efficient. Emergency Alert center staffed 24/7—just push the trigger to send interactive text SOS.

Cons: The costs—\$300-\$350 for this device, \$15-\$35 monthly for service subscription (plus local taxes and federal fees); additional charges for excess messages. Need clear view of skies; satellites continually in motion, might need to wait briefly for next to pass overhead.



Pros: If a ham, you likely have an HT and the service is free. Can store and try using many repeater frequencies to cover different areas. Maximum 5 watts TX power, can attach a gain antenna too. Ham 144-450 MHz frequencies propagate farther than the cellular 700/800/900/1700/1800/1900/2100/28000/39000 MHz frequencies. Also, some hams do routinely monitor the 146.520 MHz national calling frequency.

Cons: Ham radio is voluntary service, no one monitoring all ham repeaters 24/7. Terrain can block nearby repeaters. May need to get your GPS coordinates using another device.



Pros: You almost certainly have one. 911 calls monitored 24/7 if reachable.

Cons: Poor cell coverage in local mountains; low transmit power (max. 2-3 watts).

Stranded or injured while mountain hiking around L.A.? Cell phones probably won't provide coverage, amateur radio might

Before hiking...store these repeater frequencies in your ham radio; try making a contact if needed

Mt. McDill (elev. 5,190 ft.) / Hauser Peak

Frequency	Rpt. Shift	Callsign	Location	O=Open	PL Tone	Owner
146.73	-	W6CLA	Hauser Peak	O	100.0	
445.52	-	K6LMA	Mt. McDill	O	162.2	
446.40	-	KD6PXZ	Hauser Peak	O	100.0	

Contractor's Point (elev. 3,524 ft.)

Frequency	Rpt. Shift	Callsign	Location	O=Open	PL Tone	Owner
224.24	-	W6WAX	Contractor's Point	O	162.2	Old Foothill ARTS
224.48	-	K6VE	Contractor's Point	O	110.9	Independent Radio Club
224.52	-	KC6PXL	Contractor's Point	O	103.5	
445.16	-	W6CTR	Contractor's Point	O	100.0, 151.4	SCIRA
445.34	-	KC6JAR	Contractor's Point	O	71.9	Independent Radio Club
447.34	-	W6FRT	Contractor's Point	O	162.2	Old Foothill ARTS
447.64	-	W6JLL	Contractor's Point	O	82.5	

Mt. Lukens (elev. 5,075 ft.)

Frequency	Rpt. Shift	Callsign	Location	O=Open	PL Tone	Owner
145.48	-	W6AM	Mt. Lukens	O	100.0	So. Cal. DX Club
146.67	-	KD6AFA	Mt. Lukens	O	192.8	
223.90	-	W6CPA	Mt. Lukens	O	136.5	Independent RC

Verdugo Peak (elev. 3,126 ft.) / Mt. Thom

Frequency	Rpt. Shift	Callsign	Location	O=Open	PL Tone	Owner
146.03	+	WB6ZTY	Mt. Thom	O	136.5	Crescenta Valley Radio Club

Mt. Disappointment (elev. 5,963 ft.)

Frequency	Rpt. Shift	Callsign	Location	O=Open	PL Tone	Owner
145.30	-	K6CPT	Mt. Disappointment	O	100.0	LA Co. DCS
224.30	-	K6CPT	Mt. Disappointment	O	100.0	LA Co. DCS
446.46	-	KI6DYV	Mt. Disappointment	O	100.0	AllStar, IRLP

Stranded or injured while mountain hiking around L.A.? Cell phones probably won't provide coverage, amateur radio might

Before hiking...store these repeater frequencies in your ham radio; try making a contact if needed

Mt. Wilson (elev. 5,710 ft.)

Frequency	Rpt. Shift	Callsign	Location	O=Open	PL Tone	Owner
224.94	-	WA6DVG	Mt. Wilson	O	94.8	WA6DVG
445.54	-	WD6ABC	Mt. Wilson	O	123.0	(System Fusion / WIRES X)
449.20	-	W6NVY	Mt. Wilson	O	CC7	DMR- High Mtn Radio System
449.70	-	N6CIZ	Mt. Wilson	O	131.8	High Mountain Radio System

Santa Anita Ridge (elev. 3,320 ft.)

Frequency	Rpt. Shift	Callsign	Location	O=Open	PL Tone	Owner
145.20	-	N6AH	Santa Anita Ridge	O	100.0	
147.765	-	W6QFK	Santa Anita Ridge	O	131.8	
224.28	-	WA6CGR	Santa Anita Ridge	O	107.2	SCEARA
445.48	-	K6TEM	Santa Anita Ridge	O	107.2	

Johnstone Peak (elev. 3,169 ft.)

Frequency	Rpt. Shift	Callsign	Location	O=Open	PL Tone	Owner
146.82	-	W6FNO	Johnstone Peak	O	CS	
223.98	-	W6NRY	Johnstone Peak	O	103.5	Edgewood ARS
446.40	-	WA6FZH	Johnstone Peak	O	103.5	
447.90	-	WD6AML	Johnstone Peak	O	CC1	(DMR)
448.34	-	K6OES	Johnstone Peak	O	131.8	

Sunset Ridge (elev. 3,373 ft.)

Frequency	Rpt. Shift	Callsign	Location	O=Open	PL Tone	Owner
145.44	-	N6USO	Sunset Ridge	O	136.5	N6USO
224.16	-	K6JSI	Sunset Ridge	O	71.9	Western Intertie Network
224.90	-	WA1IRS	Sunset Ridge	O	103.5	
445.92	-	KD6AFA	Sunset Ridge	O	186.2	(IRLP)
449.14	-	W6OY	Sunset Ridge	O	100.0	
449.50	-	K9KAO	Sunset Ridge	O	100.0	
449.52	-	K6UFX	Sunset Ridge	O	100.0	Western Intertie Network
449.88	-	K6TEM	Sunset Ridge	O	146.2	(IRLP)

Blue Ridge (elev. 8,505 ft.)

Frequency	Rpt. Shift	Callsign	Location	O=Open	PL Tone	Owner
147.54	-	W6CPA	Blue Ridge	O		(D-Star) Independent Radio Club
224.02	-	KC6JAR	Blue Ridge	O	110.9	
224.14	-	N6LXX	Blue Ridge	O	94.8	

2021 Field Day scores: PVARC places in top 1% of all radio clubs entered, 11th of 1,681 clubs nationwide

The 22 PVARC members submitting Field Day logs to ARRL resulted in a great accomplishment: PVARC's 19,786 collective points placed our club 11th highest out of 1,681 clubs in the U.S. submitting logs.

Thank you to all those known to have submitted logs on behalf of PVARC:

Rocco, N6KN
 Jerry, NG6R
 Larry, K6RO
 Jeff, K6JW
 Ray, N6HE
 Jeff, KA6JMR
 Laura, KA6LMR
 Marlee, KA6MJR
 Clay, AB9A
 George, NA6Q
 Dave, KM6LGX
 Dave, W6OQ
 Malin, KO6MD
 Annalisa, KM6YGS
 Georgiann, KM6YGM
 Bob, K9BGC
 Bob, AC6RM
 Kelvin, W6KCV
 Derek, K6DMO

+ three others (let us know) ■

Leading club scores: ARRL 2021 Field Day (Entries = number of members submitting logs)

	Club Name	Total Score	Entries
1	W3AO (MDC)	115,649	37
2	Orange County RA & Durham FM Assn. (NC)	35,560	26
3	Frankford Radio Club (EPA)	31,386	11
4	Mississippi Valley ARA (WI)	25,406	3
5	Huntsville ARC (AL)	24,497	8
6	Woodbridge Wireless (VA)	24,092	4
7	Potomac Valley RC (MDC)	22,640	15
8	Pasadena RC /JPLARC/ Caltech ARC (LAX)	22,543	27
9	North Shore RC (IL)	21,260	24
10	Indy United ARC (IN)	21,236	3
11	Palos Verdes ARC (LAX)	19,786	22
12	Stanford ARC (SCV)	19,766	1
13	Gloucester County ARC (SNJ)	18,824	5
14	West Valley ARA (SCV)	18,647	13
....			
	1,681 (Total Clubs)		

Source: ARRL QST Magazine (December 2021, pages 66-71)



Continuing something new: Random Accomplishments by PVARC Members during the past month...in 35 words or less

(Grieving)...Don, NA6Z, reports the passing of his dearly-departed TYT MD-380 DMR handheld. It was accidentally knocked off the kitchen counter and tragically drowned in soapy dish water. He hopes to move on to another digital radio.

Jerry, NG6R, further worked on Amateur Radio Emergency Data Network (AREDN) nodes with Norm, K6UU, and Don, WG6E. There now are a 3.4 GHz node (contributed by Norm) and a 5.8 GHz node, both at WG6E.

2021 Field Day results on the ARRL website show PVARC's Rocco, N6KN, scored in the top 1% of all single-operator AC-mains home FD stations. Rocco was ranked 26th among the 2,784 Class 1D operators nationwide.

Diana, A16DF, had a full day as the Los Angeles Marathon's Century City lead net control on Nov. 7. Net control's signal path into the repeater went directly through/around a 27-story building across the street.

Gary, WA6MEM, was co-presenter at the Pasadena Radio Club's Nov. 23 monthly meeting via Zoom. Chris, AF6PX, and Gary gave a detailed presentation on the ARRL Los Angeles Section's expanded RFI/EMI finding capability.

This Random Accomplishment in ham radio or related fields could be yours.

Let us know.

PVARC Club News

Become an ARRL member: Support amateur radio while increasing your learning

Please consider joining the American Radio Relay League (ARRL) if not a member. The ARRL is the only national organization representing amateur radio and has another significance for the PVARC: We receive benefits from being an ARRL-affiliated club. But an ARRL-affiliated club requires at least 51% of club members also be ARRL members.

Annual ARRL membership costs \$49 and includes your choice of the printed monthly **QST** magazine or the ARRL's new **On The Air** magazine for newer hams. Both are available electronically to all ARRL members plus free online access to ARRL's two other publications, **QEX** and **National Contest Journal**. Additionally all ARRL members can access numerous web-based materials, ARRL staff, and assistance with ham radio issues. Visit: www.arrl.org/ then click "Join/Renew." ■

Need a PVARC badge?

If you wish to order a new or replacement engraved PVARC badge please contact Gary Lopes at wa6mem@cox.net and he will make arrangements for your payment and sending your new badge. Badges currently cost \$13. ■

Embroidered PVARC patches still available

PVARC club patches are still available by special arrangement for \$4 each. They may be sewn onto any cap, jacket, shirt, or bag.

The four illustrations in the patch center are emblems of the Palos Verdes Peninsula's four cities (clockwise from top left: Palos Verdes Estates, Rolling Hills Estates, Rancho Palos Verdes and Rolling Hills.)



During our period of virtual meetings if you would like a patch contact Diana, AI6DF, ai6df@arrl.net and we'll find a way to get your patch to you. ■

Palos Verdes Amateur Radio Club

An American Radio Relay League Affiliated Club

Board of Directors:

President	Diana Feinberg, AI6DF
Vice President	Ray Day, N6HE
Treasurer	Georgiann Keller, KM6YGM
Secretary	Ron Wagner, AC6RW
Directors	Clay Davis, AB9A Gary Lopes, WA6MEM
Past Vice President	Bob Sylvest, AB6SY

Appointed Offices:

QRO Editor	Diana Feinberg, AI6DF
K6PV QSL Manager	Jeff Wolf, K6JW
K6PV Repeater Trustee	Mel Hughes, K6SY
LAACARC Delegate	Jeff Wolf, K6JW
VE Coordinator	Dave Scholler, KG6BPH
VE ARRL Liaison	Jerry Shaw, KI6RRD
Net Control Operators	Ron Wagner, AC6RW; Dale Hanks, N6NNW; Bob Sylvest, AB6SY; Malin Dollinger, KO6MD; Dave Turner, KM6LGX; Jerry Shaw, KI6RRD; Gary Lopes, WA6MEM; Clay Davis, AB9A; and Guest Operators

Contacts:

QRO Editor: 310-544-2917, ai6df@arrl.net

Email us: k6pv@arrl.net

Website: www.k6pv.org

Mailing Address:

Palos Verdes Amateur Radio Club
PO Box 2316
Palos Verdes Peninsula, CA 90274-8316

Monthly Meeting (Hybrid format):

1st Thursdays at 7:30 pm via Webex and limited in person at Hesse Park.

Repeaters (Open, though often listed as "Closed"):

- PVARC:** K6PV, 447.120 MHz
- **Analog FM:** (-), PL 100.0, CTCSS
- **Digital DMR:** 447.120 MHz (RX); 442.120 MHz (TX)
Talkgroup 31060, Color Code 1, Time Slot 2
- "**PV-West**": W6MTA, 449.980 MHz (-), PL 173.8, CTCSS

To order a Club badge:

Gary Lopes, WA6MEM, wa6mem@cox.net

To order a Club jacket or patch:

Dave Scholler, KG6BPH, 310-373-8166

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Front page photo — Pt. Vicente Lighthouse after sunset on December 17, 2019, from Pt. Vicente Interpretive Center.
PHOTO: DIANA FEINBERG, AI6DF

PVARC Club News

PVARC upcoming dates in 2021

- ◆ **PVARC hybrid monthly meetings online via Webex and at Hesse Park**
1st Thursday each month, 7:30-9:15 pm, except in December
(in-person meetings resume at Hesse Park's McTaggart Hall on limited scale)
- ◆ **PVARC HF Enthusiasts Group meetings online via Webex or in-person**
2nd Saturday each month, 10:00 am to Noon
(in-person meetings at Palos Verdes Library main branch's Purcell Room when permitted)
- ◆ **PVARC EmComm Interest Group online meetings via Webex**
3rd Saturday every month, 10:00-11:00 am or 11:00 am-Noon (time varies with radio events that day)
- ◆ **Walt Ordway, K1DFO, Technician and General amateur radio license classes at Hesse Park**

Date change: November 6 and 13 classes postponed to February 5 and 12, 2022.
- ◆ **PVARC 2021 Holiday "After-Dinner", Dec. 2,** online via Webex. In-person Holiday Dinner postponed to Dec. 2022.

Non-PVARC Events of Note:

- ◆ **W6TRW Swap Meet, last Saturday each month. 7:00-11:30 am.** Northrop Grumman parking lots, Aviation Blvd./Marine Ave., North Redondo Beach
- ◆ **Claremont Amateur Radio Society Swap Meet, 3rd Saturday each month (except December), 6:00-11:00 am.** Granite Creek Community Church, 1580 N. Claremont Blvd., Claremont ■

WELCOME NEW MEMBERS OF THE PALOS VERDES AMATEUR RADIO CLUB IN 2020-2021

Stephen Anderson, KN6FZA

Charles Tang, KN6FYY

Ikue Duncan, KN6FYW

Judy Frankel, KN6FYU

Robert Sawyer, KG6SFQ

Heidi Gransar, KN6HVG

Bruce Ward, KN6HVI

David Salazar, KE6GFR

Ed Jenkins, K6EXY

David Hostetler, W6OQ

Robert Rodriguez, KN6FQL

Yaniv Waisman, KN6HSJ

Jeff Remington, KA6JMR

Laura Remington, KA6LJR

Marlee Remington, KA6MJR

Dennis Lau, K5LAX

Larry Waldstein, KC6PCC

Sergio Fernandez, WA6WV

PVARC Calendar of Events

December 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 PVARC DMR weekly net on K6PV repeater 7:30-7:55 pm	2 PVARC Holiday After-Dinner (Webex) 7:30-9:15 pm "Part 3: The Lighter Side of Amateur Radio"	3	4
5	6	7 PVARC analog weekly net on K6PV repeater 7:30-7:55 pm	8 PVARC DMR weekly net on K6PV repeater 7:30-7:55 pm	9	10 Property tax 1st installment due	11 PVARC HF Enthusiasts Group Meeting, 10:00- 11:45 am
12	13	14 PVARC analog weekly net on K6PV repeater 7:30-7:55 pm	15 PVARC DMR weekly net on K6PV repeater 7:30-7:55 pm	16	17	18 PVARC EmComm Interest Group Meeting, (Webex) 10:00- 11:00 am
19	20	21 No net	22 No net	23	24	25 Christmas Day
26	27	28 No net	29 No net	30	31 New Year's Eve	

Electronic fill & save PDF version of this form is at:

http://www.n6rpv.net/n6rpvpage/pvarc/membership_form.pdf



Palos Verdes Amateur Radio Club

P.O. Box 2316

Palos Verdes Peninsula, CA 90274

<http://www.k6pv.org>

MEMBERSHIP FORM

New

Renew

Date _____

Last Name _____ First _____ Spouse _____

Street Address _____

City _____ State _____ Zip _____

Home Phone _____ Work _____ Cell _____

Email address _____

(Unless otherwise noted, emails will be sent to the applying member only)

License Call _____

Class _____

ARRL Member?

Other amateur radio groups you belong to _____

Additional Household and/or Family Members (if Applicable):

Last _____ First _____ Call _____ Class _____ ARRL?

Last _____ First _____ Call _____ Class _____ ARRL?

Last _____ First _____ Call _____ Class _____ ARRL?

Membership (\$20 Individual, \$25 Family) \$ _____

(Optional) donation to support PVARC activities \$ _____

TOTAL \$ _____

Paypal to recipient
PVARC90274@gmail.com
Go to www.paypal.com

Cash

Check made payable to
Palos Verdes Amateur Radio
Club

Check # _____

Please email completed form to PVARC.Membership@gmail.com or print and mail to the address at top. Dues based on January 1st to December 31st year.
By submitting this application/renewal you agree to the Club's constitution and by-laws, available on-line at: <http://www.n6rpv.net/n6rpvpage/pvarc/constitution.pdf>.

Two Free Amateur Radio Courses

ALL FOLKS MUST WEAR A MASK EVEN IF VACCINATED

FCC "Technician" course (entry level)

FCC "General" course (2nd level)

Each course is 2 sessions

The sessions will be on 5 and 12 February 2022

Technician 9:30 AM to 1:15 PM both Saturdays (bring your lunch)

General 1:30 PM to 5:00 PM both Saturdays

The FCC tests will be 10:00 AM to noon on 19 February 2022

At the start of the 5 February Technician course, a member of the Palos Verdes Amateur Radio Club will give a 30-minute presentation on how to get further involved in amateur radio.

The class location is at Fred Hesse Community Park,
29301 Hawthorne Blvd., Rancho Palos Verdes, CA 90275

Confirm your attendance to Walt, K1DFO at wfordway@juno.com

There is no fee for either course.

Taking the FCC test is \$15.

Optional Material (sold at cost)

Gordon West books with all the FCC test questions,

\$26 for the Technician and \$26 for the General

Paper copy of Walt's Power Point charts,

\$22 for the Technician and \$20 for the General

For courses sponsored by the Palos Verdes Amateur Radio Club, students thru grade 12 who pass their examination at a PVARC VE test session will, upon application to the Club, be eligible for reimbursement up to a maximum of \$50 to cover the cost of materials and the examination fee.

Everyone who obtains their first ham radio license through a PVARC VE test session, regardless of age, will receive a free membership in the Palos Verdes Amateur Radio Club for the remainder of the current calendar year.