

QRO



THE PALOS VERDES AMATEUR RADIO CLUB NEWSLETTER

DECEMBER 2022

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All **QRO** monthly issues since 2007 are on the PVARC website at www.k6pv.org under the "Newsletter" tab.

Additional club news appears in the PVARC Weekly Bulletin sent by email to members.

PVARC's Holiday "After"-Dinner Thursday, December 8, 2022

PVARC monthly meeting via Webex (No Hesse Park in-person meeting)

7:10 pm: Webex online room opens

7:30-9:15 pm: Meeting

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

Also this month:

PVARC HF Enthusiasts Group meeting
Saturday, December 10, 10:00 am-Noon at Palos Verdes Library Purcell Room (no Webex)

PVARC EmComm Interest Group meeting Saturday, December 17, 10:00-11:00am am via Webex

About PVARC's December 8th Holiday "After"-Dinner...



PVARC Holiday "After"-Dinner

Thursday, December 8, 2022 via Webex, 7:30 pm

Bring an (optional) after-dinner beverage and dessert to your computer for PVARC's 7:30 pm Holiday "After"-Dinner in place of an in-person Holiday Dinner. Speaking about "The Lighter Side of Amateur Radio, Part 4" will be your **QRO** Editor AI6DF. The three previous "Lighter Sides" were shown at PVARC holiday dinners or after-dinners since 2017.

We'll also review our year, look forward to the next, and have our door prize drawings for gift certificates to Ham Radio Outlet and DX Engineering (all members attending have an equal chance of winning.) The recipient of our 2022 W6AM Rhombic Award will also be announced.

Our "After"-Dinner via Webex beats spending \$60+ per person (new costs) for the type of Holiday Dinner we've traditionally enjoyed—and enables more members to attend. See you online by 7:30 pm December 8th.■

PVARC monthly meetings in January-March 2023

Interesting topics are planned for our monthly meetings in Q1-2023.

PVARC's January 5 meeting has a presentation (remotely) by Flex Radio about software defined transceivers. Flex Technical Specialist Michael Walker, VA3MW, will be speaking. Flex presenters are always very knowledgeable, personable, and bring enthusiasm to their subject.

PVARC's February 2 meeting will feature a definitive presentation on solar generators by your **QRO** Editor AI6DF. AI6DF's solar generator presentation was originally developed for Los Angeles County Disaster Communications Service and given at the DCS August 13, 2022 quarterly training. It has been updated for recent developments in this fast-growing technology. Our March 2, 2023 meeting topic will be announced soon.

With the resurgence of COVID and flu cases in early December 2022 we'll know later this month whether the January 2023 meeting will have a hybrid option at Hesse Park.■

Continuing: PVARC member random accomplishments...in 35 words (more) or less

Jeff, K6JW, reports also receiving from the ARRL his DXCC Honor Roll Award plaque after achieving 331 confirmed current DX entities. This plaque is a glossy award with a brushed silver finish. Congratulations again!



K6PV scored exceptionally well during ARRL 2022 Field Day in class 1D (home station, AC mains power). Operated by Rocco, N6KN; Blake, K6BWB, and Ken, WA6DPQ...K6PV scored in the top 1.5% of all 1D stations.

Three PVARC members in LA County DCS (Bob, W6HIP; Jeff, K6JPW; and Diana, AI6DF) had an interesting experience entirely outdoors in rain from 8 pm to midnight serving at the Torrance heliport on Election Night.

Is there a random accomplishment in your amateur radio life? If so, let us know. (Note: Your **QRO** Editor might find some independently.)

RPV's 45-day urgency moratorium on all new antenna permits extended for additional 10 months and 15 days

At its November 15, 2022, regular meeting the Rancho Palos Verdes City Council voted unanimously without discussion to extend for another 10 months, 15 days, its 45-day urgency moratorium of all new commercial and non-commercial antenna permits on private property in the city.

During this one-year period the City plans developing a completely new antenna ordinance replacing the current one which incrementally combined antenna code provisions adopted in 1983, 1988, 1997, 1999, 2002, 2011, and 2020.

As previously reported, triggering the 45-day moratorium was a recent permit application for five 9.5-foot vertical UHF antennas atop a single-family residence, with the antenna tops being 33-feet above ground. Vertical UHF antennas of that length are typically heavier-duty commercial antennas for FCC Part 90 land-mobile service, not Part 97 ham radio.



During the past two decades the City had several owners of Part 90 two-way radio businesses who wanted multiple commercial repeaters atop the Palos Verdes Peninsula but used non-commercial ham radio at single-family homes as the basis for their initial antenna or tower permit. FCC rules require jurisdictions to provide reasonable accommodation for amateur radio antennas but abuses evidently occurred.

Key objectives stated for the new antenna ordinance are to assess the aesthetic and view impacts on neighboring properties while still complying with Federal Communications Commission regulations and other governmental requirements.

Taking a full year to determine the City's new antenna ordinance seems lengthy. But it coincides with the City's Director of Code Enforcement and Community Development retiring from public service on November 30, 2022, and the City separately embarking on improvements to streamline its overall permit process.

A recent consultant's report specified multiple areas for improving RPV's permit process, including:

- Improve the overall understanding and consistency of permit process requirements, both through staff training and creating handouts for clarifying unclear Municipal Code information given in response to planning submittals
- Ensure the Planning Division information is more accessible and user-friendly for all customers.
- Consider potential long-range policy or Municipal Code changes, including needs for hiring additional staff to process permits in a timely manner.

We will continue to monitor RPV's antenna ordinance developments and participate in this public policy process. ■ – *Diana Feinberg, AI6DF*

Powering “Inaccessible” Appliances During Power Outages

By Jerry Kendrick, NG6R

As amateur radio operators, we're very aware of the important communications role we are able to provide during emergencies and disasters. Many hams got into the hobby originally in order to be an integral part of this community-service facet of our hobby. We know that when commercial AC power goes out in our region we can still do our part to facilitate vital communications when and where it is needed. Battery operation, solar panels and power generators enable ham radio communication even when commercial AC power has been disrupted.

But, we also realize that during an emergency or disaster, our first responsibility is to our families. Are they safe and well cared for? When power outages occur and we spring into action by firing up alternative power sources, what household functions need to be maintained if power is out for an extended period? Appliances such as refrigerators, microwave ovens, fans, space heaters, reading lamps, radios and television come to mind. (Each household should own at least one “old-fashioned” telephone, without electronics and without reliance on AC electrical power, which can ring and operate simply due to the small electrical voltages and currents carried on the telephone lines.)

Some of our household appliances might be difficult to access for powering if quick response is needed. Two of these devices in particular, both vital during extended power blackouts, can be difficult to power because their power plugs might be inaccessible without a lot of effort. This short article demonstrates how to pre-configure the refrigerator and built-in microwave oven power cabling, so that when the need arises to use them during an emergency, or even during a planned or unplanned long-duration outage, they can be accessed with ease. The important message is to plan ahead and make these modifications now before you need these appliances during a power outage.

Refrigerator

Slide or roll the refrigerator out from its enclosure. For heavy or bulky units, this might require that you enlist some help. Locate the wall plug behind the refrigerator and unplug the power cord. Plug into the wall outlet a short (~6') medium duty extension cord (15A rating should be OK) and route the other end up to the top of the refrigerator (or perhaps the side, depending on available clearances within your enclosure). Plug the refrigerator power cord into the extension cord and ensure that they don't fall back behind the refrigerator as you push the refrigerator unit back into place; use duct tape if necessary to hold them in place.

The final configuration should look something like Figure 1. Then, when commercial power goes out and you want to hook the power generator to the refrigerator, it will be a simple matter to access the top of the fridge (using a step stool unless you're very tall), unplug the fridge from the extension cord and plug the appliance's power cord into the emergency AC power source that you have available.

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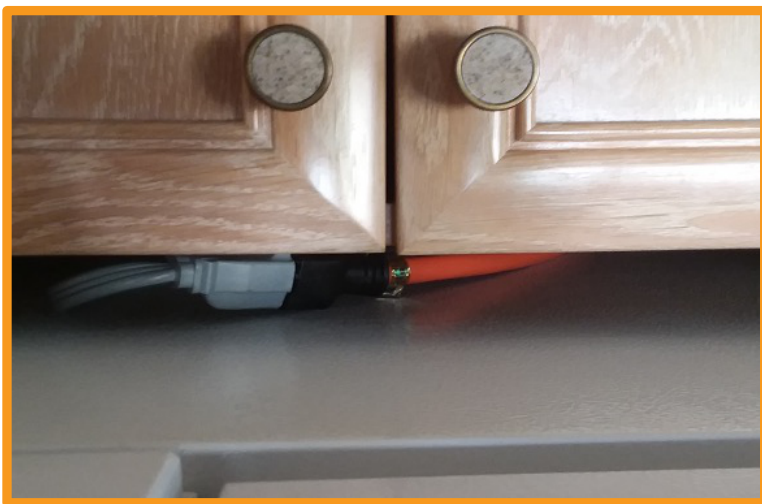


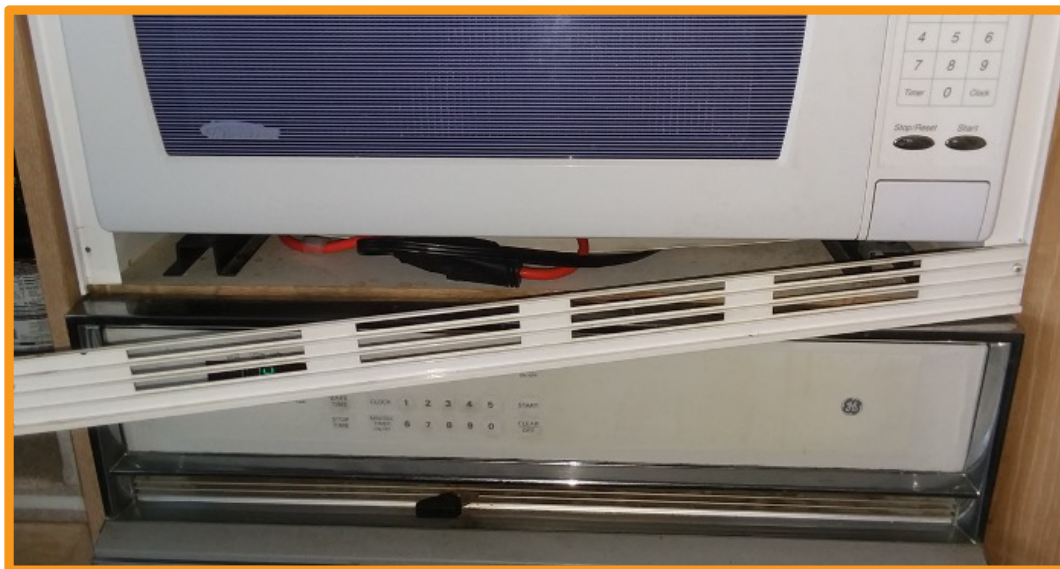
Figure 1. View of the top of the refrigerator showing the unit's power cord (gray) plugged into an extension cord (orange). The short extension cord is, in turn, plugged into the wall outlet located behind the refrigerator. This arrangement enables quick and easy access for emergency powering of the refrigerator during a prolonged power outage.

Powering “Inaccessible” Appliances During Power Outages

► *Continued from previous page*

Microwave oven

Each installation will be different, but first find out how to gain access to the wall power outlet that is providing power to your built-in microwave oven. Remove any panels, screws or brackets that hold the oven in place, so that you can gain access to that wall power outlet. It might require that you temporarily remove the oven entirely from its enclosure. When access to the outlet has been gained, unplug the oven's power cord and plug in a short heavy duty extension cord (15A is OK, but 20A for high-wattage 1850W ovens). Then, plug the oven's power cord into that extension cord. Find a place somewhere under, over or on the side of the oven that is easier to access than what you just went through to get to the wall outlet. Then, place the connecting joint of the oven power cord and extension cord at that location. Ideally for aesthetics, it will normally be hidden from view. Then, when a power outage occurs, you can quickly access that power cord and plug it into your emergency AC power source. Figure 2 shows the easily removable grilled panel beneath the built-in microwave oven at the author's home QTH. **[Important caveat:** Ensure that the alternative AC power source can handle the power requirements of your oven. You might need to operate the oven at a lower wattage setting (with a longer heating time) when on emergency power, depending on the wattage capabilities of your alternative AC power source.]



PHOTOS:

JERRY KENDRICK, NG6R

Figure 2. Easily removable grilled panel beneath the microwave oven has been partially removed (a single short screw) to demonstrate how to access the oven's power cord (black) so that the oven can be powered by an alternative AC power source during a power outage. The orange extension cord has been previously connected to the wall power outlet behind the oven after temporarily removing the oven from its enclosure.

A disaster or major emergency, when response time might be critical, should not be the first time you think about how to sustain normalcy in your family's living conditions. The suggestions demonstrated here will considerably speed up the process of securing and maintaining the family's quality of life while riding out what might be a prolonged power outage. Needless to say, it is important that each household have some source of emergency power that will sustain acceptable living conditions during this period. It is the opinion of this author that each household should own an adequate AC power generator and have enough fuel to operate it for at least several days or even a week.■



Home Stations — Commercial Power 1D

Oak Hill ARC					
K5TR	3,008	2	1	8,182	STX
Contest Club Ontario					
VE3MGY	1,900	2	1	7,850	ONS
WCARES Contest Grp.					
AD4EB	1,829	2	1	7,366	TN
Niagara Frontier Radiosport					
N2MF	1,944	2	1	7,004	WNY
Brazos Valley ARC					
N5XZ	1,475	2	1	5,950	STX
KR2AA	1,352	2	1	5,458	NLI
Central TX DX & Contest Club					
W5MJ	1,220	2	1	4,930	STX
BA ARC/USS Batfish ARC					
W5TM	1,128	2	1	4,562	OK
Alabama Contest Grp.					
K4PV	1,206	2	1	4,510	NFL
K9LJN	1,110	2	1	4,490	IL
Potomac Valley RC					
NY3A	1,100	2	1	4,450	EPA
Yankee Clipper Contest Club					
K1OA	1,400	2	1	4,274	EMA
N0TT	1,031	2	1	4,174	MO
Blossomland ARA					
KE3K	1,003	2	1	4,162	MI
AA2BJ	1,171	2	2	4,160	NNY
W9XS	1,011	2	1	4,094	IL
Tennessee Contest Grp.					
W4RM	1,007	2	1	4,078	NC
W0ZA	972	2	1	3,938	NE
W4KJ	1,812	2	1	3,624	ME
Heartland DX Assn.					
KV0I	877	2	1	3,512	NE
Franklin Co. (MA) ARC					
N1YL	836	2	2	3,474	WMA
Wayne ARC					
K8AJS	845	2	1	3,430	OH
Splitrock ARA					
W2PJ	1,654	2	1	3,418	WNY
K1USN Radio Club					
K1DJ	837	2	1	3,398	EMA
Great Lakes CWOps Club					
KV8O	826	2	1	3,354	OH
Palos Verdes ARC					
K6PV	1,184	2	3	3,314	LAX
Vienna Wireless Soc.					
N3JT	808	2	1	3,282	VA
Paso Robles ARC					
KB6TAZ	1,616	2	1	3,282	SB
Bay Area DXers					

2022 Field Day results are in...and PVARC did extremely well

- K6PV (Rocco, N6KN; Blake, K6BWB; and Ken, WA6DPQ) scored 26th (top 1.5%) of all 1,983 Class 1D stations (home stations using AC mains power)
- Jerry, NG6R, ranked 58th (top 3%) of all Class 1D stations;
- Laura, KA6LJR, scored 231st of 1,983 1D stations (top 12%).
- Jeff, K6JW (operating 5-watt QRP) was 108th (top 16%) of all 675 Class 1E (home station with emergency power, up to 100 watts).
- Thomas, KB9ENS, operated as Class 1C (mobile) and scored 13th (top 24%) of 55 such stations
- On a combined basis from respective club members submitting logs...PVARC scored 46th (top 3%) of 1,640 clubs nationwide. Thank you to the above and other PVARC members who submitted Field Day logs to ARRL.
- (Note: PVARC members submitting logs under other clubs will be reflected there.)■

Source: All data are from ARRL website, <https://contests.arrl.org/ContestResults/2022/Field-Day-2022-FinalFullResults.pdf>; ranks were calculated by AI6DF.

Palos Verdes ARC					
K6JW	103	5	1	1,385	LAX

#108 (top 16%) of all 1E stations
despite using just 5-watts TX

Palos Verdes ARC					
KB9ENS	67	2	1	376	LAX

#13 (top 24%) of all 1C stations

Palos Verdes ARC					
NG6R	534	2	1	2,286	LAX

#58 (top 3%) of all 1D stations

Palos Verdes ARC					
KA6LJR	253	2	1	1,100	LAX

#231 (top 12%) of all 1D stations

#26 (top 1.5%) of
1,983 1D stations

Are you interested in PVARC's IOTA DXpedition to Two Harbors?

Our club is still gauging PVARC member interest for participating in a possible February 2023 Islands on the Air DXpedition to Two Harbors at Catalina Island's isthmus.

PVARC members undertook these mini-Dxpeditions annually from 2007 through 2019, with the exception of 2013 because of weather halting Catalina Express service as well as since 2019 due to solar conditions and COVID. Operating as K6PV/6 we've cumulatively made almost 19,000 contacts worldwide from Two Harbors across multiple bands.

Team members pay their own expenses ranging from \$400-500 depending on meal choices at the only restaurant in Two Harbors and other personal options. Some operators come on Wednesday and return Friday evening but most stay for the entire 4.5 day event.

Two Harbors workers occupy our cabins from April through November which, combined with weather, limits the practical period for our DXpeditions to late February through March.

Interested? Contact Ray Day, N6HE, soon at rayday@cox.net if you haven't already. ■

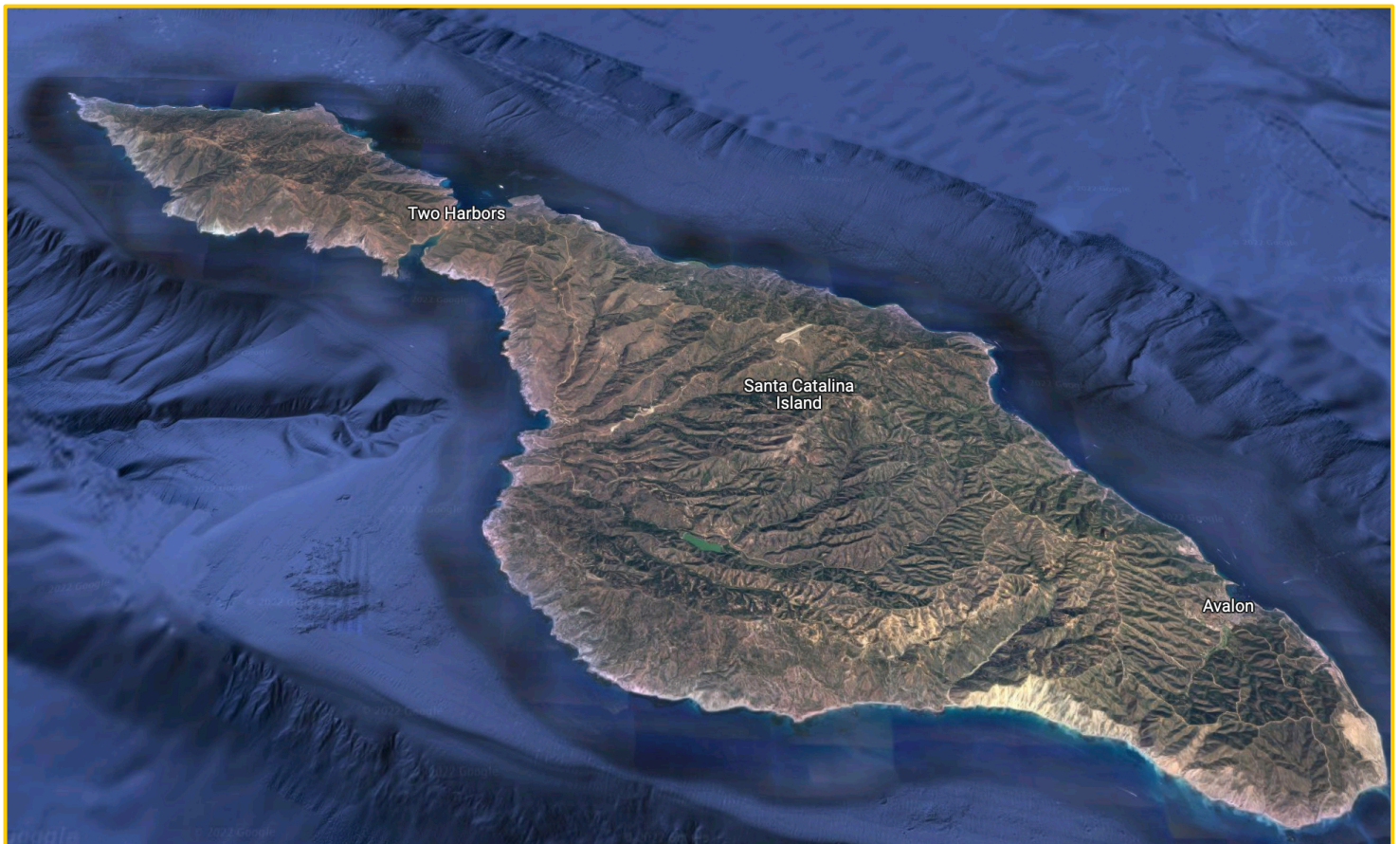


IMAGE: GOOGLE MAPS

PVARC upcoming events

- **PVARC hybrid monthly meetings online via Webex and in-person (*no Hesse Park in-person option in December*)**

1st Thursday each month, 7:30-9:15 pm, except in December

- **PVARC HF Enthusiasts Group meetings in-person at Palos Verdes Library main branch (*no Webex in December*):**

2nd Saturday each month, 10:00 am-Noon

- **PVARC EmComm Interest Group online meetings via Webex**

3rd Saturday each month, 10:00-11:00 am or 11:00-Noon (time depends on other radio events that day)

- **Walt Ordway K1DFO Technician and General amateur radio license classes at Hesse Park**

February 4 and 11, 2023 in Fireside Room

- **Volunteer Examiner license test session at Hesse Park, February 18, 2023 (Fireside Room) 10:00 am**
- **PVARC 2022 Holiday After-Dinner, Dec. 8, virtually from everyone's home**
- **(Tentative) PVARC Islands on the Air DXpedition to Two Harbors, Catalina Island, Feb. 2023**

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. VE license testing in Building S-2 at 10:00 am.
- **Orlando Hamcation**, Feb. 10-12, 2023, Central Florida Fairgrounds, Orlando, FL (2nd largest ham convention in Western Hemisphere.) Website: <https://www.hamcation.com/>.

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

Consider joining the American Radio Relay League (ARRL) if not already 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, which requires at least 51% of club members 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/. ■

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 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.

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. ■



About Us...

Welcome to the Palos Verdes Amateur Radio Club, K6PV.

Founded in 1975, today our 150+ members hail from every city in Los Angeles County's South Bay region...and beyond.

Our club fosters diverse ham radio interests including public service, DXing, contesting, digital modes, and electronic experimentation.

We also teach license classes several times annually and gladly assist newer hams in understanding amateur radio technology or procedures.

Many PVARC members serve in the government-affiliated disaster amateur radio groups for the South Bay's cities and Los Angeles County. We also provide public service communication at no charge to sponsors of community and running events.

No matter where you are along your ham radio journey you are welcome as a PVARC member. ■

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	(Open)
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 Trustee	Mel Hughes, K6SY
LAACARC Delegate	Jeff Wolf, K6JW
VE Coordinator	Dave Scholler, KG6BPH
VE ARRL Liaison	Jerry Shaw, KI6RRD
Net Control Operators:	Laura Remington, KA6LJR;
	Ron Wagner, AC6RW; Dale Hanks, N6NNW; Bob
	Sylvest, AB6SY; Malin Dollinger, KO6MD; Dave Turner,
	KM6LGX; Jerry Shaw, KI6RRD; Gary Lopes, WA6MEM;
	Clay Davis, AB9A; Rick Heaston, KG6RH; Jeff
	Remington, KA6JMR; Marlee Remington, KA6MJR;
	Derek Okada, K6DMO

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 PO Box 2316
 Palos Verdes Peninsula, CA 90274-8316

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

Club badges: Gary Lopes, WA6MEM, wa6mem@cox.net

Club jackets or patches: Dave Scholler, KG6BPH,
 310-373-8166

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Front page photo — Pt. Vicente Lighthouse from Pelican Cove, reflecting last rays at sunset on December 5, 2022.
 PHOTO: DIANA FEINBERG, AI6DF

-PVARC CALENDAR OF EVENTS					DECEMBER 2022-	
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5	6 K6PV analog net, 7:30 pm	7 K6PV DMR net, 7:30 pm	8 PVARC's 2022 Holiday "After"-Dinner via Webex: 7:30 pm	9	10 PVARC HF Enthusiasts Group, 10:00 am. PV Library
11	12	13 K6PV analog net, 7:30 pm	14 K6PV DMR net, 7:30 pm	15	16	17 PVARC EmComm Interest Group, 10:00 am Webex
18	19	20 K6PV analog net, 7:30 pm	21 K6PV DMR net, 7:30 pm	22	23	24
25 Christmas Day	26	27 No net	28 No net	29	30	31 W6TRW Swap Meet, Northrop Grumman, N. Redondo Beach 7:00-11:30 am

Postal mail form below; email version: 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

The Hesse Park facility no longer requires a mask

FCC “Technician” course (entry level)

FCC “General” course (2nd level)

Each course is 2 sessions

The sessions will be on 4 and 11 February 2023

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 18 February 2023

At the start of the 4 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

I charge no fee for either course. Taking the FCC test is \$15. After passing the Technician test the FCC will send you an e-mail for paying its \$35 license fee and then they will post your call sign.

Optional Material (sold at cost)

Gordon West books with all the FCC test questions,

\$30 for the Technician and \$26 for the General

Paper copy of Walt's Power Point charts,

\$28 for the Technician and \$24 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.