



# QRO

THE PALOS VERDES AMATEUR RADIO CLUB NEWSLETTER

DECEMBER 2024

## INSIDE THIS MONTH'S QRO...

Speakers at upcoming PVARC meetings.....	2
City of RPV discussions about Pt. Vicente Lighthouse property.....	2
PVARC's 2024 Holiday "After"-Dinner event.....	3
Where the DXpeditions are.....	4
Viewing Dxpediton locations on azimuth map from Los Angeles.....	5
PVARC 2024 membership list.....	6
PVARC short news items.....	7
2024 major events; info on club jackets/badges/patches.....	8
About us.....	9
December 2024 calendar.....	10
PVARC new membership & renewal form.....	11
Upcoming ham radio license classes.....	12
For sale by PVARC member for KO6MD (SK).....	13

## PVARC's 2024 Holiday "After"-Dinner event

**Thursday, December 12, 2024,  
7:30-9:00 pm meeting via Zoom**

**Bring your optional dessert and  
beverage to your computer,  
tablet, or smartphone.**

Zoom online room opens 7:10 pm

**Saturday, December 14,  
10:00 am-Noon:**

**PVARC HF Enthusiasts Group  
meeting at Palos Verdes Library main  
branch Conference Room**

**No PVARC VHF/UHF Enthusiasts Group  
meeting this month on December 25  
(Christmas Day)**

## Upcoming PVARC meeting speakers...

Our **December 12<sup>th</sup> Holiday “After”-Dinner** meeting (with prize drawings) replaces the pre-pandemic holiday buffet dinners we enjoyed annually but are now stratospherically-priced. So...after your dinner at home on December 12 bring your optional dessert and beverage to your Zoom screen at 7:30 pm. See page 3 of this issue for full details.

We'll be extending Happy New Year's greetings to everyone on Thursday, **January 2, 2025**, when our featured presenter at Hesse Park and via Zoom is **Endaf Buckley, N6UTC**. He'll be discussing VHF/UHF satellite communication—getting started and getting awards for contacts through satellites. Endaf has made satellite contacts with hams in each of the 488 AMSAT grids, which were all confirmed through ARRL's Logbook of the World.

The PVARC's **February 6, 2025**, hybrid meeting has **Marty Woll, N6VI**, presenting “Propagation: From DC to Daylight”. Marty has been a frequent speaker at our club and others; he's also been the Past ARRL Southwestern Division Vice Director and currently heads several amateur radio organizations plus serving as Training Chief for the City of Los Angeles Fire Department's Auxiliary Communication Service.

On **March 6, 2025**, our hybrid meeting speaker will be **Dennis Kidder, W6DQ**, presenting Part 2 of his “History of the Development of the Modern Communication Receiver.” He'll be covering receiver evolution from the beginning of World II through today. Last month Dennis gave Part 1 of this presentation covering from the late 1800's to the beginning of World War II.■

## City of Rancho Palos Verdes continues discussions with U.S. Coast Guard on possible joint-use of Pt. Vicente Lighthouse property

As previously reported in **QRO**, the City of Rancho Palos Verdes since 2021 had been discussing possibly acquiring Pt. Vicente Lighthouse and surrounding grounds for public purposes after the U.S. Coast Guard no longer had personnel living on the site. The PVARC has long been an admirer of this iconic lighthouse from operating there during amateur radio's International Lighthouse & Lightship Weekend from 2004-2019...we support public access too.

At the Nov. 17, 2024, RPV City Council meeting it was reported the Coast Guard is conducting a multi-year West Coast facility analysis and any RPV acquisition would be years away. However the Coast Guard was amenable to an RPV-Coast Guard joint use agreement which would keep some or all of the site available to the public. Stand by for more on this in the months ahead.■



**RANCHO PALOS VERDES**  
California

GOVERNMENT

DEPARTMENTS

COMMUNITY

CITY SERVICES

TRANSPARENCY



**Above:** The City of Rancho Palos Verdes official website Home Page features an aerial view of the iconic Pt. Vicente Lighthouse and its grounds, <https://www.rpvca.gov/>





## PVARC Holiday “After”-Dinner

Thursday, December 12, 2024 exclusively via Zoom, 7:30 pm

Bring an optional after-dinner beverage and dessert to your computer, tablet, or smartphone for PVARC’s 2024 Holiday “After”-Dinner replacing an in-person Holiday Dinner.

Speaking about a lighter subject of electronics that also lightens your wallet will be your **QRO** Editor AI6DF. We’ll also review our 2024 year, look forward to 2025 plans, and announce the recipient of PVARC’s 2024 W6AM Rhombic Award for service to our club.

Lastly—and always highly anticipated—we’ll have our door prize drawings for:

- Two (2) Anytone AT-D878-UVII-Plus DMR handheld transceivers (each \$335);
- Six (6) Ham Radio Outlet gift certificates (two \$100; four \$50);
- A new unused 2019 ARRL Handbook
- An unused West Mountain Radio RigRunner RR4008 PowerPole connector strip still in original box and packaging (current retail cost: \$100) – won at a PVARC Holiday Dinner by our late member Bill Leighton, KG6WVF (SK)

Every PVARC member attending has a free and equal chance. Winners must be present, no purchase necessary, no tickets or additional entries will be sold.

Our “After”-Dinner via Zoom is free to attend vs. spending \$75-85 per person (new costs) for the type of restaurant Holiday Dinner we traditionally enjoyed. See you online by 7:30 pm on December 12th. ■

## Where in the world is a DXpedition this month?

By Diana Feinberg, AI6DF

**QRO** Editor

Whether your HF antenna is steerable or has a fixed direction there are benefits from knowing locations of announced DXpeditions in the months ahead. If you need a DX entity in your log there just might be a DXpedition in somebody else's future to benefit yours.

As some know, your **QRO** Editor served as the Southern California DX Club's (SCDXC) newsletter editor for the 2015 calendar year besides producing **QRO** for PVARC—but hasn't been a DX Club member since early 2018. One of my DX Club newsletter creations in 2015 was taking an azimuth map centered on Los Angeles and plotting significant DXpedition locations during the upcoming month in relation to L.A. You'll find such an azimuth map I created for December 2024 DXpeditions on the following **QRO** page. Look for the azimuth degrees (from 0 to 360) of a plotted DXpedition from Los Angeles (or other location where you've developed an azimuth map) and that's where your directional antennas should ideally be aimed. If you have a fixed-direction antenna (i.e., wire dipole) its general direction can influence your success (or not) in reaching DXpeditions of interest.

An azimuth world map with Los Angeles as the center of Earth will also change your sense of direction to other countries. For example, as shown on the next page at 270-degrees (straight west) from Los Angeles the direct path west via Great Circle extends to Australia's northwest coastline—not to Asia.

Ham radio DXpeditions have faced new realities in recent years. DXpedition costs are much higher now; some long-time DXpeditioners have either become older or Silent Keys; and environmental sensitivity, geopolitical instability, or authoritarian regimes now make ham radio off-limits in numerous DX entities. So...do take advantage of DXpeditions coming to fruition.

The SCDXC's membership recently voted to dissolve their club after 77 years when no full-member opted to serve as either President or Vice President for 2025. The Northern California DX Club is now offering membership to SCDXC members. Consequently, PVARC's monthly **QRO** newsletter will add more DX coverage from a Southern California perspective. DXing is also often discussed at our 2<sup>nd</sup> Saturday HF Enthusiasts Group meetings (10 am-Noon) in the PV Library's Conference Room.■

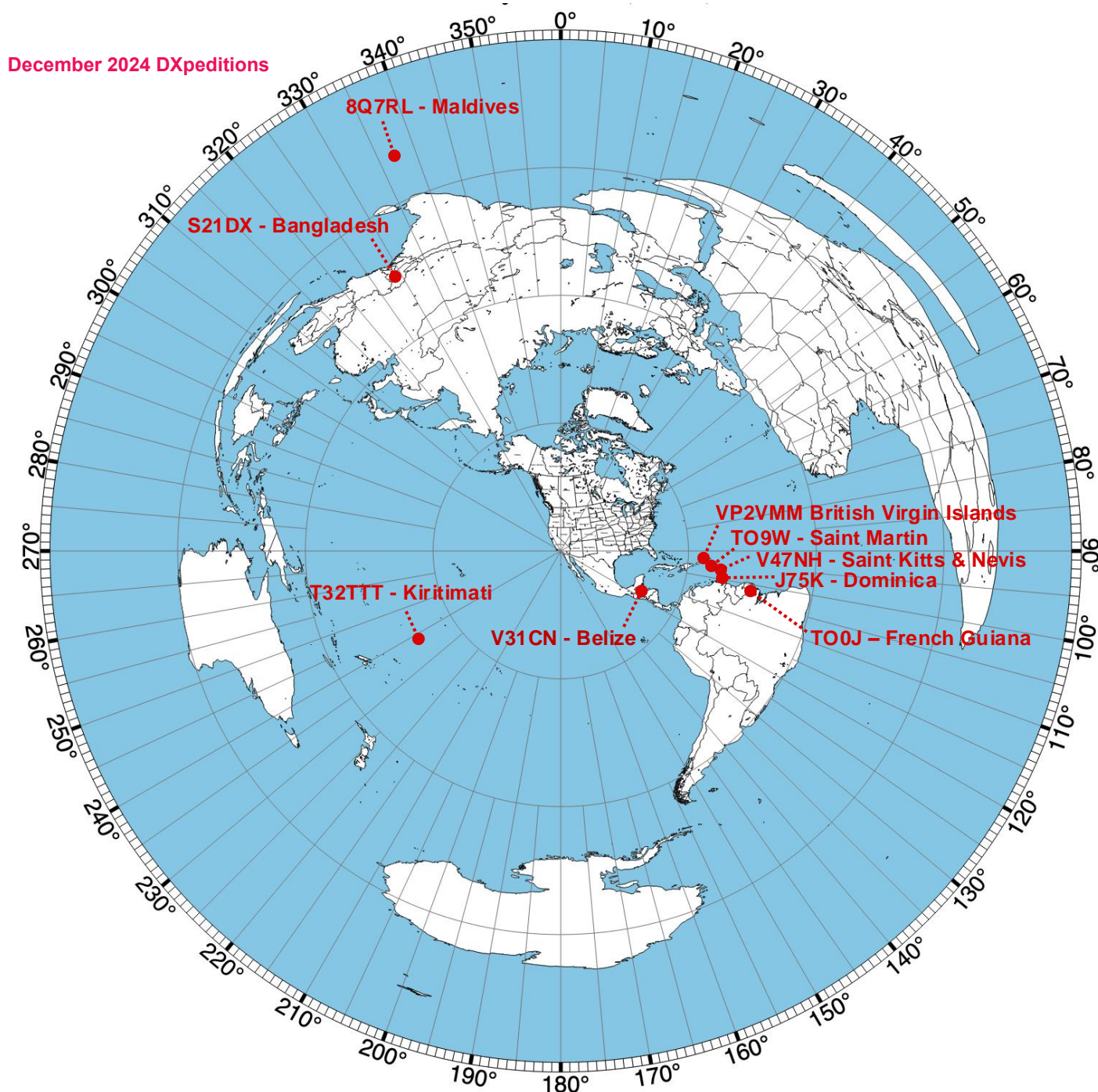
## International DX Convention forum: “Next Generation DXing”

The April 4-6, 2025, International DX Convention in Visalia, CA, is scheduling an all-day forum on “Next Generation DXing”, a first-of-its kind event introducing forward-looking DXpedition and distributed/flexible contest station designs to deal with DXpedition costs and environmental constraints.

As explained by Paul Ewing, N6PSE, “In the past few years, there have been some risk-taking hams who have used modern station design concepts and remotely controlled DXpedition stations to create massively successful DXpedition operations using new approaches to the DXpedition game. At the 2025 International DX Convention, the convention team will be offering an all-day event on Friday, 4 April, of the 3-day convention. A series of panel discussions and demonstrations will be provided to DXers, DXpeditioners, contest station designers and hams of all interests that will provide insights to where things are likely to be heading in amateur radio.” (See [www.dxconvention.org](http://www.dxconvention.org) for updates.)■

## With Los Angeles as center-point: December 2024 DXpeditions plotted on an azimuth map for better aiming your antennas

Azimuth base map credit: <https://ns6t.net/azimuth/>; inside grid circles are increments of 3,000 miles. DXpeditions in red plotted by AI6DF are those on at least two website listings at either: [dxnews.com](https://dxnews.com); [dxworld.net](https://dxworld.net); [ng3k.com](https://ng3k.com); or [ham365.net](https://ham365.net). Solo QRP DXpeditions are not shown.



J75K Dominica	J75K Team will be active from Dominica, IOTA NA- 101, 26 December 2024 - 4 January 2025.
TO9W Saint Martin	TO9W Team will be active again from Saint Martin Island, IOTA NA- 105, 30 November - 13 December 2024.
8Q7RL - Maldives	Reiner DL2AAZ will be active as 8Q7RL from the Maldives, AS-013 during December 9-17, 2024
V31CN - Manta Island, Belize	Mike, VE7ACN to be active from Manta Island (Glovers Reef), NA-180 as V31CN during December 8-17, 2024.
T32TTT Kiribati	December 2024 January 2025. Rebel DX Group
VP2VMM British Virgin Islands	4 U.S. operators, 8 December to 18 December 2024
V47NH. Saint Kitts & Nevis	5 December- 31 December 2024
TO0J French Guiana	20 December to 31 December 2024, 1 op mostly FT8
S21DX Bangladesh	18 Bangladeshi operators, 4 stations

## Thank you to everyone who has joined or renewed their PVARC membership in 2024

Here's the PVARC membership roster as of December 1, 2024—and we thank you for being with our club. If you joined or renewed and do not see your callsign please let us know. Anyone on the list below who attends PVARC's December 12 "After"-Dinner gathering via Zoom will be entered for the prize drawings concluding that event. ■

AB6G	KA6ZTO	KM6YGS	W6GEZ
AB6SY	KB9ENS	KN6FYU	W6HIP
AB9A	KC6NNV	KN6FYW	W6HIP-XYL
AC6RM	KC6REZ	KN6QHJ	W6JLK
AC6RM-XYL	KC6ROX	KN6UMQ	W6KCV
AC6RW	KE6GFR	KN6UMV	W6KCV-XYL
AF6VT	KE6PMN	KN6WJR	W6MO
AI6BA	KE6SGP	KN6YDX	W6OQ
AI6DF	KE6WWE	KN6YSJ	W6PBH
AI6GP	KF6MYQ	KO6BVD	W6QR
AJ6HZ	KF6QFG	KO6CIA	W6YBW
AK6CZ	KF6QFH	KO6CIK	W6YBW-XYL
AK6KF	KF6VTN	KO6GRX	WA6AJC
K0MZ	KG6BNN	KO6MD (SK)	WA6AJC-son
K1DFO	KG6BPH	KO6RC	WA6ESC
K5LAX	KG6RH	KO6S	WA6LKV
K6BRN	KI6EAI	KO6ZC	WA6MEM
K6CTT	KI6GUY	KQ4ZHE	WA6NSR
K6DAH	KI6HQX	N6AA	WA6OWM
K6DKC	KI6LJM	N6CCD	WA6OWM-XYL
K6DKC-XYL	KI6RRD	N6GVP/DJ0IX	WA6WV
K6DMO	KI6SPA	N6HE	WB6ZJD
K6EXY	KI6SUA	N6HMR	WD6Y
K6GHL	KI6TEQ	N6HMS	WG6E
K6JEY	KI6YMD	N6IDN/DK3FF	WJ1P
K6JW	KJ6CAU	N6KK	WW6WW
K6JW-XYL	KJ6CBA	N6KN	
K6KSY	KJ6VWN	N6MDC	<i>Awaiting initial call</i>
K6LH	KJ6WZE	N6MN	<i>sigs:</i>
K6MU	KJ6YCM	N6NNW	<i>Joo Yun Lee</i>
K6NT	KK6EWB	N6ZHR	
K6SY	KK6KCH	NA6Q	
K6UU	KK6TXN	NA6Z	
K9BGC	KM6ATI	NG6R	
KA6JMR	KM6DQU	NT6E	
KA6JWR	KM6LGU	NZ6L	
KA6LJR	KM6LGX	W6BMD	
KA6MJR		W6DLD	



## PVARC short news items

### Welcome to new (and upgrading) hams...

Of the 18 attendees at our November ham license classes eight came to the November 16th license exam session at Hesse Park. The results: There were five new Technician licensees, one new licensee who took Technician, General, and Extra exams at our session and immediately became an Amateur Extra; one upgrade to General, and our fellow PVARC member Bob, K9BGC, upgrading to Amateur Extra class from General. Congratulations to all and thanks to Walt, K1DFO, for teaching the classes along with our Volunteer Examiner team on November 16 headed by Jerry, KI6RRD.

### “Islands On The Air” DXpedition to Two Harbors update...

We're waiting to learn if the Catalina Island Company will finish renovating the Two Harbors cabins in time for our proposed DXpedition on March 26-30 (Wednesday-Sunday). We changed dates to be on Catalina Island during the massive CQ WPX SSB contest on the last weekend every March (this year, starting at 4 pm March 28 and continuing until 4 pm March 30). We would not be operating after 9 am on Sunday, March 30, but overall the CQ WPX contest offers tremendous opportunities for worldwide SSB contacts.

We still seek 8-10 DXpedition members to shoulder our equipment load, setup/takedown, and operations. Newer hams are also welcome as there's much to learn and try. Let Steve Mandich, K6NT, know if you are interested and haven't already advised him. Steve is at: [s.mandich@yahoo.com](mailto:s.mandich@yahoo.com).

### Winter Field Day is possibly a “Go” for PVARC, despite announcing a “No-Go”...

Just after receiving approval from the Palos Verdes Peninsula Unified School District to use Soleado Elementary School's field and restrooms for Winter Field Day (January 25) we learned many of our WFD participants found they now had other commitments that weekend.

However we'll keep our permit open for now as there might be an additional operator group for Winter Field Day. We can cancel up to the week of an event.

### City approves PVARC's Hesse Park use dates for 1<sup>st</sup>-Half of 2025

The PVARC has now received approval for all our intended uses at Hesse Park during the first half of 2025. We are cleared for the in-person portion of monthly 1<sup>st</sup> Thursday meetings on January 2, February 6, March 6, April 2, May 1, and June 5 in the Fireside Room. We'll also have ham license classes on Saturdays, February 1 and 8 as well as May 3 and 10 with Volunteer Examiner test sessions booked for Saturdays, February 15 and May 17—all in the Fireside Room.■

## PVARC upcoming events

- **PVARC hybrid monthly meetings online via Zoom and in-person at Hesse Park as announced**

1<sup>st</sup> Thursday each month, 7:30-9:15 pm, except August and December

- **PVARC HF Enthusiasts Group meetings in-person at Palos Verdes Library main branch**

2<sup>nd</sup> Saturdays, 10:00am-Noon

- **PVARC VHF/UHF Enthusiasts Group online meetings via Zoom**

4<sup>th</sup> Wednesdays, 7:30-8:30 pm; for November only, 4<sup>th</sup> Tuesday (Nov. 26), 7:50-8:50 pm due to Thanksgiving; no meeting on December 25

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

Saturdays, Feb. 1 and 8, 2025; 9:30 am to 5:00 pm; Exams, Feb. 15, 10 am-Noon;

Saturdays, May 3 and 10, 2025; 9:30 am to 5:00 pm; Exams, May 17, 10 am-Noon

- **PVARC 2024 virtual "After-Dinner", December 12, via Zoom.**

- **Weekly PVARC nets, K6PV repeater – 447.120 MHz**

**Analog FM:** Tuesdays, 7:30-7:50 pm, Tone Squelch (CTCSS), PL 100.0; 2-meter crosslink for Palos Verdes westside, 144.910 MHz simplex, Tone Squelch (CTCSS), PL 156.7

**Digital DMR:** Wednesdays, 7:30-8:00 pm; RX on 447.120, TX on 442.120; Color Code 1, Time Slot 2, Talk Group 31060

### **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 testing in Building S-2 at 10:00 am.
- **ARRL Southwestern Division Convention**, Feb. 14-16, 2025; Yuma Fairgrounds, Yuma, AZ
- **International DX Convention**, Apr. 4-6, 2025, Visalia CA Convention Center

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

Please join 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 that at least 51% of club members be ARRL members.

Annual ARRL membership costs \$59 and includes digital access to all four ARRL periodicals (**QST** magazine, **On The Air** magazine, **National Contest Journal**, and **QEX** magazine focusing on advanced technical topics.) Subscriptions to printed copies of ARRL publications are available at additional charge.

All ARRL members can access numerous web-based materials, ARRL staff, and assistance with ham radio issues. Visit: [www.arrl.org/](http://www.arrl.org/). ■

## Need a PVARC badge?

If you would like a new or replacement engraved PVARC badge 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 available

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

Patches are available at Hesse Park during our monthly meetings or contact Diana, AI6DF, ai6df@arrl.net and we'll find a way to get yours 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	Don Putnick, NA6Z
Secretary	Ron Wagner, AC6RW
Directors	Clay Davis, AB9A
	Gary Lopes, WA6MEM
Past Vice President	Bob Sylvest, AB6SY

### Appointed Offices:

<b>QRO</b> 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:	Rick Heaston, KG6RH;
	Ron Wagner, AC6RW; Dale Hanks, N6NNW; Dave
	Turner, KM6LGX; Steve Wakisaka, KN6YDX; David
	Salazar, KE6GFR; Jerry Shaw, KI6RRD; Gary Lopes,
	WA6MEM

### Contact us:

**QRO** Editor: 310-544-2917, [ai6df@arrl.net](mailto:ai6df@arrl.net)  
 Email: [k6pv@arrl.net](mailto:k6pv@arrl.net)  
 Website: [www.k6pv.org](http://www.k6pv.org)  
 Postal Address:  
 Palos Verdes Amateur Radio Club  
 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](mailto:wa6mem@cox.net)

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

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**Front page photo** — Pt. Vicente Lighthouse's former Fresnel lantern beginning its overnight duty on August 18, 2016.

PHOTO: DIANA FEINBERG, AI6DF

## PVARC CALENDAR OF EVENTS

DECEMBER 2024

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3 K6PV analog net, 7:30 pm	4 K6PV DMR net, 7:30 pm	5	6	7
8	9	10 K6PV analog net, 7:30 pm	11 K6PV DMR net, 7:30 pm	12 PVARC annual "After"- Dinner event, 7:30 pm via Zoom	13	14 HF Enthusiasts meeting, PV Library, 10 am-Noon
15	16	17 K6PV analog net, 7:30 pm	18 K6PV DMR net, 7:30 pm	19	20	21
22	23	24 Christmas Eve  (No K6PV net)	25 Christmas Day  (No DMR net, no VHF/ UHF Enthusiasts Group meet)	26	27	28 W6TRW Swap Meet, Northrop Grumman, N. Redondo Bch. 7:00-11:30 am
29	30	31 New Year's Eve;  (No K6PV net)				



# Palos Verdes Amateur Radio Club

P.O. Box 2316

Palos Verdes Peninsula, CA 90274

<http://www.k6pv.org>

Fillable PDF form is downloadable from PVARC website at: [http://www.n6rpv.net/n6rpvpage/pvarc/membership\\_form.pdf](http://www.n6rpv.net/n6rpvpage/pvarc/membership_form.pdf)

## 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](http://www.paypal.com)

Cash ☐

Check made payable to  
Palos Verdes Amateur Radio  
Club

Check #

Please email completed form to PVARC90274@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>.



## Free Amateur Radio (HAM) Training Courses



Two Free Amateur Radio Courses

**Feb 1 and Feb 8, 2025 5**

Technician Class License (entry level) 9:30 AM to 1:15 PM both Saturdays (bring your own lunch)

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

**The FCC tests will be 10:00 AM to noon on Feb 15, 2025**

Whether for emergency communication, communicating around the world, or learning a bit about electronics, there's nothing else like amateur radio (also known as "ham radio"). Amateur radio operators have long provided communications "when all else fails" during disasters. With a short course you can join over 710,000 men, women, and children in the United States from all walks of life who are licensed to operate ham radios. At the start of the Technician license course, a member of the Palos Verdes Amateur Radio Club will give a 30-minute presentation on what ham radio is all about and the many benefits of being a "ham".

The class location is: Fred Hesse Community Park, 29301 Hawthorne Blvd., Rancho Palos Verdes, CA 90275. **Confirm your attendance to Walt, K1DFO at [waltfordway@juno.com](mailto:waltfordway@juno.com)**

Walt charges no fee for either/both course(s). 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 assign you your amateur radio call sign... and you're good to go!

Optional Materials (sold at cost) are Gordon West books with all the FCC test questions, \$30 for the Technician and \$33 for the General. Paper copy of Walt's class Power Point charts: \$29 for the Technician and \$26 for the General.

Everyone who obtains their first or upgraded ham radio license through a PVARC VE test session will receive a free membership in the Palos Verdes Amateur Radio Club for the remainder of the current calendar year (or the next calendar year if test is passed in November).

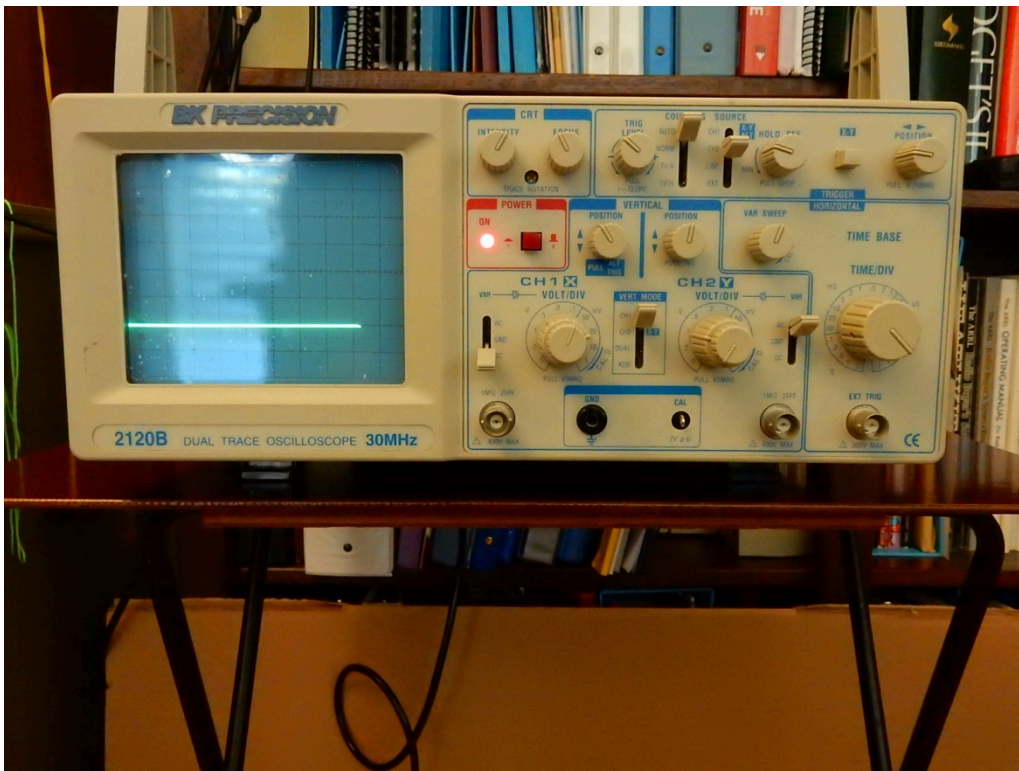
**For courses sponsored by the PVARC, students through grade 12 who pass their examination at a PVARC test session will, upon application to the Club, be eligible for reimbursement for up to a maximum of \$85 to cover their cost of class materials and the examination fee.**

**FOR SALE through PVARC member for the estate of KO6MD (SK)**

## **BK Precision 30 MHz Dual Trace Oscilloscope**

This unit was part of Silent Key KO6MD's station equipment. Rarely if ever used, it is in pristine condition. It originally sold for approximately \$700. It is no longer in production, having been replaced by BK Precision with an updated model. Asking price: \$300, including test leads and power cord.

Contact Jeff, K6JW at [k6jw@arri.net](mailto:k6jw@arri.net).



**Note: Additional gear from KO6MD's extensively-equipped shack will be posted for sale after the holidays, but inquiries regarding specifics may be sent to K6JW at any time.**