



QRO

THE PALOS VERDES AMATEUR RADIO CLUB NEWSLETTER

APRIL 2025

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“Electro-Magnetic Pulse Radiation”

Dan Lundwall, N7XDL

Thursday, April 3, 2025, hybrid monthly meeting, 7:30-9:15 pm

(No Red Onion dinner this month)

Hesse Park room opens 6:45 pm;
Zoom online room opens 7:10 pm

**Also: Saturday, April 12,
10:00 am-Noon:**

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

**Wednesday, April 23,
8:00-9:00 pm:**

PVARC VHF/UHF Enthusiasts Group
meeting via Zoom

Upcoming PVARC meeting speakers...

Speaking remotely from the Salt Lake City area at our **April 3rd monthly meeting** is **Dan Lundwell, N7XDL**, on the topic of “EMP: Electromagnetic Pulse Radiation.”

As Dan explains, “Although an EMP is less likely to happen in this day and age, you only need one ...and if you are familiar with ‘One Second After’ you’ll get an understanding of how deadly an EMP is—all without any property loss. My presentation will detail (somewhat) what an EMP is, and WHY it is so lethal. I will dispel myths and untruths...mostly found on the Internet... and replace those with facts. My work is based on both military research and research from MIT labs. It is NOT based on YouTube videos.”

Dan also serves as president of the Murray (UT) Amateur Radio Club, which he founded, and has been active with ham emergency communication around Salt Lake City in the ARRL’s ARES program.

The PVARC’s **May 1st monthly meeting** features **Karin Thompson, KD4DXX**, speaking from Georgia-based RT Systems about amateur transceiver programming software. RT Systems has developed easy-to-use programming software and specific computer-to-radio programming cables for nearly 600 different ham radio models. Karin and her husband co-own RT Systems.

Our **June 5 monthly meeting** has **N6OI, Frank Kibbish** in San Jose, CA, speaking about 3D printing for hams. As previously reported, there’s a slight possibility this meeting might be via Zoom when Hesse Park’s building gets a complete roof replacement during 4 to 6 weeks in May-June 2025.

On **July 3rd our monthly meeting** has **Joanne Michael, KM6BWB**, presenting “High Altitude Balloon Launches. She’s a science teacher (previously in the Wiseburn School District, now at the private John Thomas Dye School in Los Angeles) and involved with launching over 50 small balloons with ham radio transmitters. Joanne previously spoke at the PVARC about student balloon launches during our December 2018 Holiday Dinner at Los Verdes Golf Course.■

An update on the 223.0-223.9 MHz high-power South Bay radar interference from non-hams...

Thanks to hams filing complaints with the FCC regarding wide-band radar interference to the 1.25m amateur band we’ve been advised the FCC has taken enforcement action to eliminate the problem. Hopefully those 1.9 MHz-wide radar pulses every five seconds will no longer be an issue. But we will remain vigilant in case the signals return.

At this time no further complaints to the FCC need to be made.■

Ham operators welcome at another Owens Valley Radio Observatory tour in June 2025

OWENS VALLEY RADIO OBSERVATORY TRIP SCIENCE BEYOND THE BOOK

June 20-22rd 2025

With Dr. Mark Hodges and
Dr. Doug Millar and Cecilia Caballero, MA

Please join with us on the above date for an extraordinary adventure in science education at the Owens Valley Radio Observatory outside of Big Pine, CA. Included are science demonstrations at the 40m radio telescope and a tour, walking a scale model of the Solar System, solar astronomy, and night time astronomy. We will also make ice cream with liquid nitrogen.

This year we are emphasizing the DSA projects that are being built at OVRO. (See the OVRO website for more info: <http://www.ovro.caltech.edu>)

If you want to come on Friday, we will have an evening of astronomy to the south of Building #10 at the west end of the observatory. You can bring your own telescope and there will be a number of telescopes set up to share their views. 120V AC is available. We will also do astronomy on Saturday night. The main program will be on Saturday afternoon, starting in the dining area in Building #10. We will go to the Pizza Factory in Bishop for dinner.

All the above is free and courtesy of Dr. Mark Hodges, OVRO, and Caltech. This trip is open to teachers, students with their families, members of local astronomy clubs, and radio hams. You must RSVP to go on the trip to Dr. Millar so that we know how many to expect (contact information below). Please also forward your cell phone number.

This is not a school or OCA sponsored event. Everyone is on their own for transportation and lodging. You have many options. You can stay at a motel nearby, camp in a campground, bring a tent or trailer and stay at the OVRO site. If you decide to camp at OVRO, you must provide your own bathroom, as the buildings will be locked. There are places to eat in Big Pine and Bishop.

Please arrive at OVRO by 1:00 PM on Saturday for the program. The weather will be warm and dry. Evenings will be a little cooler, so dress accordingly for the nighttime astronomy.

Schedule:

Friday-

Setup telescopes to the south of building #10 for astronomy by sunset. 110v AC, bathroom and coffee and water available.

Saturday

1:00pm: arrive at kitchen in building #10 for start of program and tour.

5pm: check in at your Motel (if not already checked in) and go to dinner in Bishop.

Evening- Astronomy at the site

Sunday

A lot of us like to gather for breakfast about 9:30 at one of the local restaurants. More information will be available on Saturday.

Leave whenever you like. Check websites about the area and the Highway 395 for sightseeing opportunities.

More info for ham operators at another Owens Valley Radio Observatory tour in June 2025

The directions from the LA area are: Drive north on the 5/14 through Palmdale and Mojave. Continue past Inyokern and join 395. Continue on North through Little Lake, Lone Pine and Independence. Continue through Big Pine. Just as you get to the end of town turn right on Highway 168 towards the Westgard Pass. Go about 2 miles and turn left onto Leighton Lane, the observatory road. You should be able to see the 40m dish in the distance, but it is 4 miles away! Continue through the gate onto the property and follow the blacktop road. Go past two 90-foot telescopes to the west end of the site and park. Below is a more detailed map. The observatory address is: 100 Leighton Lane, Big Pine, CA.

If you would like to bring your own telescope, please do so. If you have a telescope and don't know how to use it, please bring it as there will be people to show you how to properly set up and use the telescope.

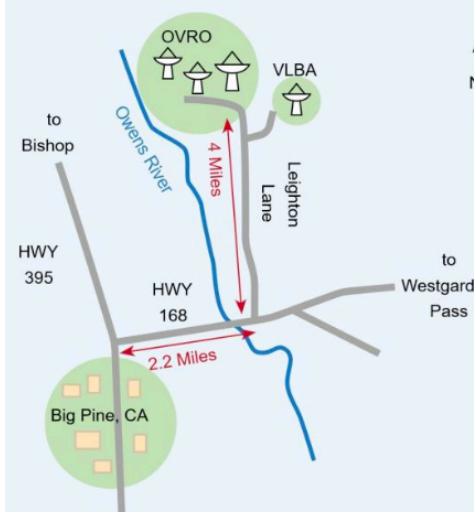
For any questions and RSVP's my contact information is
Dr. Doug Millar Cell- 562-810-3989 and email is drzarkof56@yahoo.com

Thank you and I hope to see you on the trip!
Dr. Millar

Local Directions to the observatory:

n.b. The large pine tree no longer exists.

Directions to OVRO



Located southeast of Bishop, the Owens Valley Radio Observatory is 6 miles from the town of Big Pine. The only public access road to OVRO is via Highway 168, which begins at the northern end of Big Pine, by a large pine tree. Turn east onto Highway 168. After approximately 2 miles you will cross the Owens River Bridge. 1/4 mile past the bridge, turn left on a paved road, Leighton Lane.



Photos from prior OVRO tours provided by Doug K6jEY.



QRO Editor's Note: The Palos Verdes Amateur Radio Club is not the sponsor of this tour nor associated with it in any manner. We simply offer notice of this tour to our members for their own consideration and acceptance of any risk.

PVARC member Joel, WJ1P/DU1X, operates on another DXpedition from a remote island in The Philippines

Ten years after his 2015 DXpedition to The Philippines' remote Pag-Asa (aka Thitu) Island in the South China Sea our fellow member and Rancho Palos Verdes resident Joel Pastor, WJ1P/DU1X, has done it again. In late March 2025 for the recent CQ Worldwide WPX Contest Joel traveled with a team of Filipino, Filipino-American, and Filipino-Canadian hams to operate from one of The Philippines' northernmost remote islands, Itbayat—which is actually nearer to Taiwan.

This eight-operator team used the 4i2i callsign (another WPX “multiplier” for sure) at 920-feet above sea level from Itbayat's highest point. We didn't have details of their DXpedition in time for inclusion in last month's **QRO** newsletter but we look forward to hearing about their experiences and results.

Joel's 2015 DXpedition team as DX0P on Pag-Asa Island in the rare-DX Spratly Islands faced challenges from Chinese naval vessels and aircraft harassing Pag-Asa plus one team member needing a medical evacuation. The 2015 DXpedition was featured in our April 2015 **QRO** newsletter, page 8: <http://www.n6rpv.net/pvarc/2015QRO/QROApr2015.pdf>. In 2016 Joel and several other hams traveled by motorcycle from Southern California to Alaska's north slope Prudhoe Bay, using 2-meter APRS beaconing to keep us apprised of their travel location and speed along much of the

route. More on that appeared in our August 2016 **QRO** at <http://www.n6rpv.net/pvarc/2016QRO/QROAug2016.pdf>

Shown below and on the next page are some photos Joel provided after landing on Itbayat, along with two maps we've created from Google. **Continued on next page ►**

2025 4i2i
FOUR INDIA TWO INDIA

Itbayat Island
Batanes Philippines

IOTA OC-93 DU2
ITU zone 50
Lat 20°48'

Grid PL00WS
CQ zone 27
Long 121°19'

DXpedition
Itbayat, Batanes Philippines
March 27 0000 UTC - 31 2359 UTC

Sponsors:
DU1YQ DU1MS WE6DX
N6LUV WAGLOS WW6CP

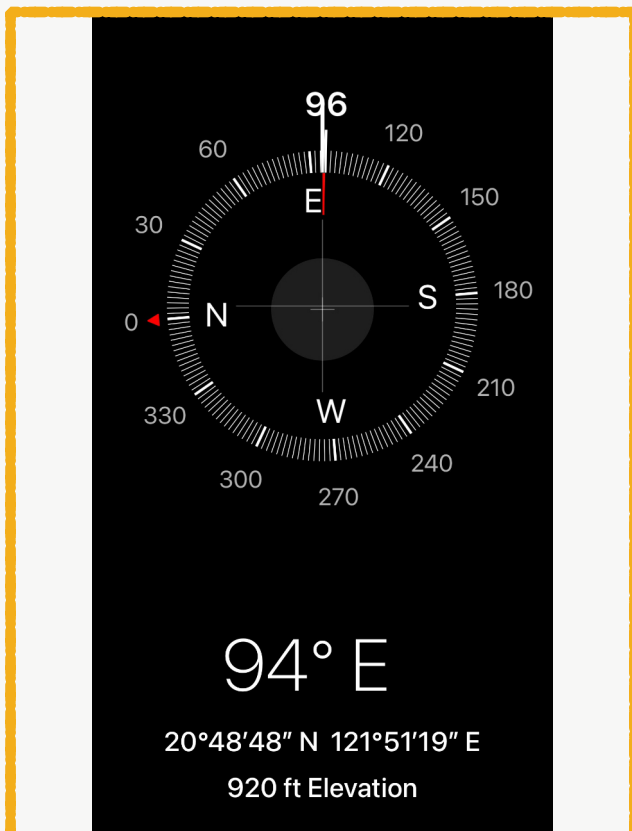
Wells Cargo
BATMANG HOLDINGS Philippines

N3FJP Amateur Radio Software
PELICAN

ELECRAFT

4i2i will also play on **CQ 2025 WPX**

Mabuhay DX Group
K6MDX • DX1DX
www.4i2i.org
Email@4i2i.org



PVARC member Joel, WJ1P/DU1X, operates on another DXpedition from a remote island in The Philippines

► Continued from previous page



Photos (previous page and above):

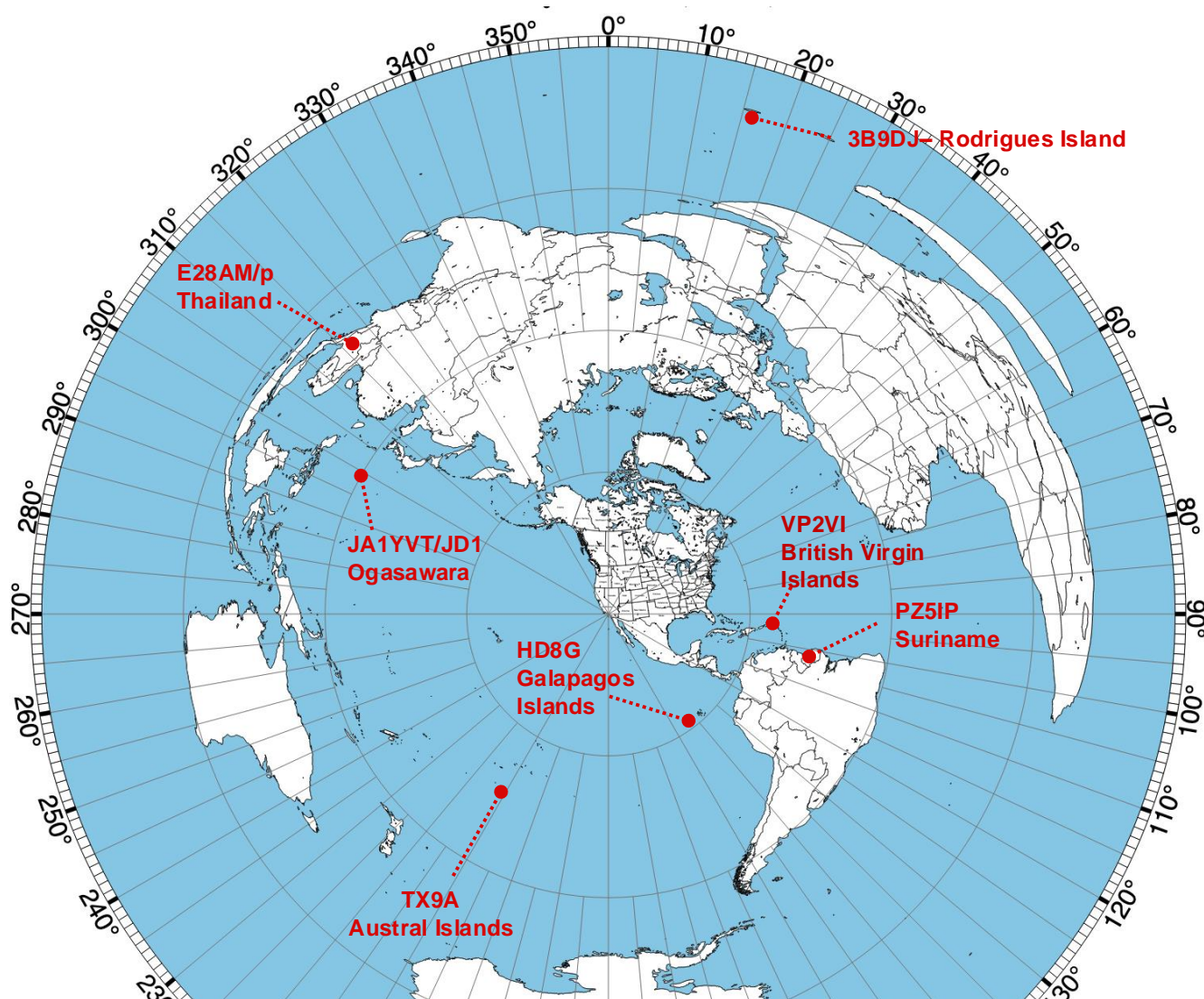
Joel Pastor, WJ1P/DU1X

Maps (right): Google Maps with overlays by AI6DF ■

With Los Angeles as center-point, where in the world are significant DXpeditions during April 2025?

Azimuth base map credit: <https://ns6t.net/azimuth/>; inside grid circles are increments of 3,000 miles. Multi-operator DXpeditions in **red** plotted by AI6DF are those on at least two website listings at either: dxnews.com; dxworld.net; ng3k.com; or ham365.net. Solo and “holiday-style” DXpeditions not shown. ■

APRIL-EARLY MAY 2025 MULTI-OPERATOR DXPEDITIONS



April & early May 2025 Multi-Operator DXpeditions (shown in red on map)

Call Sign	DX Entity	Dates	Bands	Modes	Operators
3B9DJ	Rodrigues Isl.	Mar.24-Apr. 5	160-10m	CW, SSB, FT8	3 ops
PZ5IP	Suriname	Apr. 1-7	40-10m	CW, SSB, Digital	3 ops
JA1YVT/JD1	Ogasawara	Apr. 2-10	80-2m	CS, SSB, FT8	“Club”
VP2VI	British Virgin Islands	Apr. 10-27	HF+6m	(not specified)	4 ops
HD8G	Galapagos Islands	Apr. 18-26	40-6m	CW, SSB, Digital, Satel.	22 ops
E28AM/p	Thailand	Apr. 25-28	40-10m	CW, SSB, FT8	8 ops
TX9A	Austral Islands	Apr. 25-May 7	“HF bands”	CW, SSB, FT8	4 ops

PVARC's 2025 membership roster is growing...

Our 2025 club membership list as of March 31, 2025 is shown below. If you have renewed or joined for 2025 and are not listed please let us know. We'll be updating our roster each month in **QRO** as additional members renew or join. On May 10, 2025, we'll be dropping non-renewed members from our mailing list. ■

AB6SY	KE6PMN	KO6CIK	WA6WV
AB9A	KE6SGP	KO6GRP	WB6ZJD
AC6RM	KE6WWE	KO6GRX	WD6Y
AC6RM-XYL	KF6MYQ	KO6HFF	WG6E
AC6RW	KG6BNN	KO6HTQ	WW6WW
AF6VT	KG6BPH	KO6S	
AI6DF	KG6RH	KO6ZC	
AK6CZ	KI6GUY	KQ4ZHE	
AK6KF	KI6HQX	N6AA	
K0MZ	KI6LJM	N6HE	
K1DFO	KI6RRD	N6HMR	
K5LAX	KI6SUA	N6HMS	
K6DMO	KI6TEQ	N6KK	
K6DSG	KJ6CAU	N6KN	
K6EXY	KJ6YCM	N6MN	
K6JPW	KK6KCH	N6NNW	
K6JW	KK6TXN	N6ZHR	
K6JW-XYL	KM6ATI	NA6Q	
K6LCN	KM6EMF	NA6Z	
K6LH	KM6LGU	New Tech	
K6MU	KM6LGX	NT6DX	
K6NT	KM6QVX	NT6E	
K9BGC	KM6QXC	W6DLD	
KA6JMR	KN6FYW	W6JLK	
KA6JWR	KN6QHJ	W6KCV	
KA6LJR	KN6RTY	W6KCV-XYL	
KA6MJR	KN6UMQ	W6OQ	
KA6ZTO	KN6UMV	W6PBH	
KC6NNV	KN6WVP	W6QR	
KC6REZ	KN6YDX	W6YBW	
KD6ZWJ	KN6YSJ	WA6AJC	
KE6GFR	KO6BDV	WA6AJC-son	
KE6JPM	KO6CIA	WA6MEM	

PVARC short news items

Our next ham license classes are May 3 and 10...

Encourage your friends, family, and colleagues to attend PVARC's next round of amateur radio license classes at Hesse Park on Saturdays, May 3 and 10, in Hesse Park's Fireside Room. It's never too late to become a ham radio operator. ■

Expanded refreshments at PVARC monthly meetings in the Fireside Room...

Starting with PVARC's March 6, 2025, monthly meeting our refreshments in Hesse Park's Fireside Room returned to levels we provided for many years until March 2020. We'll now have an expanded assortment of goodies as well as hot decaf coffee and hot tea in addition to bottled water. As in-person meeting attendance increases so will refreshment offerings. Unlike some radio clubs the PVARC does not charge for refreshments at meetings...please eat, enjoy, and engage with your fellow members.■

Some PVARC members have asked about ARRL Life Memberships being offered again; for your information, here are new rates on the ARRL website

Yes, some PVARC members got a very good deal on ARRL Life Membership early in life...but life expectancy and costs have increased since then. **Below:** Screenshot from <https://www.arrl.org/membership> (3/30/2025)

ARRL Life Membership

ARRL Life Membership includes the benefits of membership for life. Life Membership rates are based on the current term dues amount and the applicant's age (requires verification). Payment can be made in full, or paid in 24 monthly installments by credit card. Print magazine subscriptions are sold separately. Current members should log in to the ARRL website before starting a new Life Membership application.

[Become a Life Member](#)

Life Membership Rates:

Age	Rate
Age 70+	\$960
Age 50-69	\$1,635
Age 30-49	\$2,625
Under age 30	\$3,333

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/. ■

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. ■

PVARC upcoming events

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

1st 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**

2nd Saturdays, 10:00am-Noon

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

4th Wednesdays, 7:30-8:30 pm

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

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

- **PVARC 2025 in-person Holiday Dinner or virtual Holiday "After-Dinner", Dec. 11**

- **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.
- **International DX Convention**, Apr. 11-13, 2025, Visalia CA Convention Center; <https://dxconvention.com/>
- **Big Bear HamEscape**, Apr. 25-27, Big Bear Lake, CA. <https://bigbearhamescape.com/>
- **Dayton Hamvention**, May 16-18, 2025, Greene County Fairgrounds, Xenia, OH. <https://hamvention.org/>

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:

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:	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:

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 Email: k6pv@arrl.net
 Website: 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

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

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Front page photo — Afternoon view of Pt. Vicente Lighthouse on March 26, 2025. PHOTO: RAY DAY, N6HE



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. ■

PVARC CALENDAR OF EVENTS

APRIL 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 K6PV analog net, 7:30 pm	2 K6PV DMR net, 7:30 pm	3 PVARC hybrid monthly meeting at Hesse Park and Zoom, 7:30 pm	4	5
6	7	8 K6PV analog net, 7:30 pm	9 K6PV DMR net, 7:30 pm	10	11 Intl. DX Convention, Visalia, CA	12 PVARC HF Enthusiasts meeting, PV Library, 10 am-Noon Intl. DX Convention, Visalia, CA
13 Intl. DX Convention, Visalia, CA	14	15 K6PV analog net, 7:30 pm	16 K6PV DMR net, 7:30 pm	17	18	19
20 Easter Sunday	21	22 K6PV analog net, 7:30 pm	23 K6PV DMR net, 7:30 pm VHF/UHF Enthusiasts meet, Zoom 8:00-9:00 pm	24	25 Big Bear HamEscape	26 W6TRW Swap Meet at Northrop Grumman, N. Redondo Bch, 7:00-11:30 am Big Bear HamEscape
27 Big Bear HamEscape	28	29 K6PV analog net, 7:30 pm	30 K6PV DMR net, 7:30 pm			



Palos Verdes Amateur Radio Club

P.O. Box 2316

Palos Verdes Peninsula, CA 90274

<http://www.k6pv.org>

MEMBERSHIP FORM

New ☐

Renew ☐

Fillable PDF form is downloadable from PVARC website at: <http://www.n6rpv.net/n6rpvpageDate> [pvarc/membership_form.pdf](http://www.n6rpv.net/n6rpvpageDate)

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 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 Radio) Training Courses



Two Free Amateur Radio Courses

May 3 and May 10, 2025

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 May 17, 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**

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.**