



QRO

THE PALOS VERDES AMATEUR RADIO CLUB NEWSLETTER



MARCH 2025

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“History of the Development of the Modern Communications Receiver – Part 2”

Dennis Kidder, W6DQ

**Thursday, March 6, 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, March 8,
10:00 am-Noon:**

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

**Wednesday, March 26,
7:30-8:30 pm:**

PVARC VHF/UHF Enthusiasts Group
meeting via Zoom

Upcoming PVARC meeting speakers...

Dennis Kidder, W6DQ, will cover Part 2 of his “History of the Development of the Modern Communication Receiver” at our **March 6th monthly meeting**. He’ll be presenting receiver evolution from the beginning of World War II through today from his home in Inyokern, CA. At our November 2024 monthly meeting Dennis gave Part 1 of his presentation spanning from the late 1800’s to 1939.

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.” Based on both military research and research from MIT labs he will detail what’s involved with an EMP event, also dispelling many internet-based myths about EMP.

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

We’re still arranging a speaker for our **June 5 monthly meeting** with a slight possibility it might be held virtually only. The Rancho Palos Verdes City Council at its February 4, 2025, meeting approved a \$421,940 contract to replace the Hesse Park building roof after extensive water damage from heavy rains in February 2024. The roof project is expected to take 4 to 6 weeks during May-June 2025 with the building kept open during most of that period. In the meantime temporary fixes have been in place since last year to keep Hesse Park’s building dry. ■

Also at our March 6 meeting...

...the PVARC is re-giving away one of the two new AnyTone D878UVII+ DMR handheld transceivers with accessories won at our December 12th Holiday “After”-Dinner event. The winner felt this \$335 radio was beyond their needs and graciously donated it back to our club for another member to enjoy.

To be eligible for the special drawing at our March 6 meeting you must:

1. Have renewed your PVARC membership for 2025 or joined our club in 2025, and...
2. Attend the March 6 meeting either in-person at Hesse Park or online via Zoom. Good luck!



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 on next page ►

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.

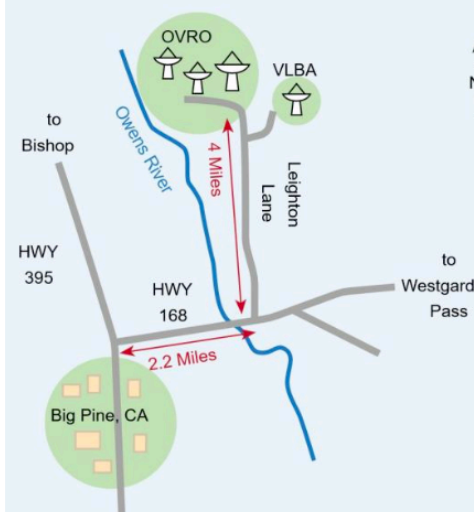
For any questions and RSVP's my contact information is
Dr. Doug Millar Cell- 562-810-3989 and email is drzarkof56@yahoo.com

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.

What? A commercial transmitter in Hawthorne authorized for 10,000 watts ERP TX got licensed in the 1.25 meter ham band?

In a new chapter perhaps worthy for “Ripley’s Believe It...or Not”, in late-November 2024 the FCC issued a two-year experimental radio license assigning 223.0 MHz to 224.9 MHz to a small Hermosa Beach defense contractor designing a new military SDR radar that required transmitting 1.9 MHz-wide signals. Besides occupying 2/3 of amateur radio’s 1.25-meter band the FCC licenses allow transmit power of 3,981 watts ERP from a Hermosa Beach site and 10,000 watts ERP from a second site in Hawthorne.

Quite a few South Bay hams involved with EmComm activities (including your **QRO** Editor) are wondering, “How did this happen?” Our bewilderment is not only that such a commercial license was granted in the amateur band but because of interference it causes many 220 ham users in the area. The SDR radar system being developed sends strong 1-second pulses every five seconds which have the effect of wiping out FM ham communications for several seconds when squelches are opened in 223.0-224.9 MHz.

Per the FCC license for WP2XFD its Emission Designators are 1M90M9N and 1M90F9N. For the latter, that means “Bandwidth: 1.90 MHz”, Modulation Type: (F) Angle-modulated, straight FM; Modulation Nature (9): Composite, one or more digital channels; one or more analog; Information Type (N), None.

Your **QRO** Editor is aware of several FCC complaints being filed regarding these commercial transmitters which operate at irregular hours. The license details are in the FCC ELS (Experimental Licensing System); check out the transmitters’ FCC license data at: <https://apps.fcc.gov/els/GetAtt.html?id=363919&x=> and <https://apps.fcc.gov/els/GetAtt.html?id=364252&x=>. ■ – Diana Feinberg, AI6DF

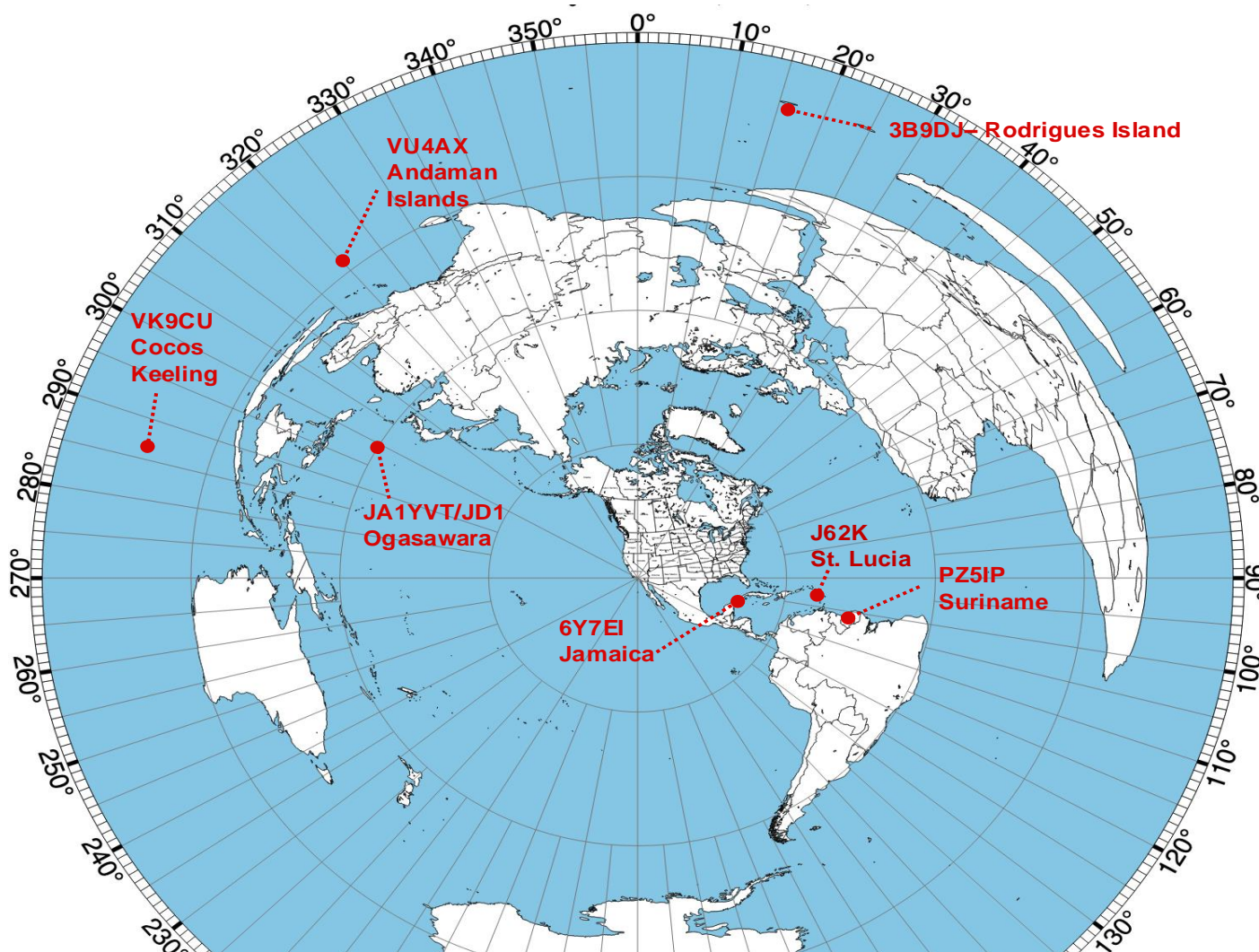


The PVARC's HF Enthusiasts Group had such a great meeting on February 8 they decided the March 8th HFE meeting (10am-Noon) would be followed by lunch at the Red Onion Restaurant across the street. As we've long-advised, please bring cash to any group meal at the Red Onion...they only write one tab for an entire table. PHOTO: RAY DAY, N6HE

With Los Angeles as center-point, where in the world are significant DXpeditions during March 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.

MARCH & EARLY-APRIL 2025 DXPEDITIONS: MULTI-OPERATOR (IN RED)



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

Call Sign	DX Entity	Dates	Bands	Modes	Operators
VK9CU	Cocos Keeling Isl.	Mar. 4-11	3 stations 24/7	CW, SSB, RTTY, FT8;	6 ops
VU4AX	Andaman Isl.	Mar. 10-25	6 stations	CW, SSB, Digital	12 ops
6Y7EI	Jamaica	Mar. 12-24	160-6m	CW, SSB, RTTY, FT8	12 ops
3B9DJ	Rodrigues Isl.	Mar.24-Apr. 5	160-10m	CW, SSB, FT8	3 ops
J62K	St. Lucia	Mar. 26-31	HF	SSB CQ WPX	6 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”

PVARC's 2025 membership roster is growing...

Our 2025 club membership list as of March 1, 2025 is shown below. If you 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. ■

AB9A	KD6ZWJ	KN6RTY	NT6E
AB6SY	KE6GFR	KN6UMV	W6DLD
AC6RW	KE6JPM	KN6YDX	W6JLK
AI6DF	KE6PMN	KN6YSJ	W6KCV
AK6CZ	KE6WWE	KO6BDV	W6KCV-XYL
AK6KF	KF6MYQ	KO6CIA	W6OQ
K0MZ	KG6BNN	KO6CIK	W6PBH
K1DFO	KG6BPH	KO6GRP	W6QR
K6DMO	KG6RH	KO6GRX	W6YBW
K6DSG	KI6GUY	KO6S	WA6AJC
K6JW	KI6HQX	KO6ZC	WA6AJC-son
K6JW-XYL	KI6TEQ	KQ4ZHE	WA6MEM
K6JPW	KJ6CAU	N6AA	WA6WV
K6LCN	KJ6CYM	N6HE	WB6ZJD
K6LH	KK6KCH	N6HMR	WG6E
K6MU	KK6TXN	N6HMS	WW6WW
K6NT	KM6ATI	N6KK	
K9BGC	KM6EMF	N6KN	
KA6JMR	KM6LGU	N6MN	
KA6JWR	KM6LGX	N6NNW	
KA6LJR	KM6QVX	N6ZHR	
KA6MJR	KM6QXC	NA6Q	
KA6ZTO	KM6WPV	NA6Z	
KC6NNV	KN6QHJ	NT6DX	
KC6REZ			

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. ■

Several more hams needed at Rolling Hills Estates' "Hills Are Alive 10K/5K"...

Now in its 44th year, the 2025 Rolling Hills Estates "Hills Are Alive 10K/5K" has moved to Saturday, May 31, when weather should be a bit cooler than the early-August previous dates.

The PVARC has long provided public service radio communication at Hills Are Alive supporting runner safety along the city's equestrian trails. Walt Ordway, K1DFO, again heads our radio coverage for Hills Are Alive and needs several additional radio operators. If you have an HT transceiver and can serve on May 31 this year contact Walt at: waltfordway@juno.com .■

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 return 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.■

Gary Lopes, WA6MEM, named ARRL Southwestern Division Volunteer of Year...

At the Feb. 14-15, 2025, ARRL Southwestern Division Convention in Yuma, AZ, our fellow member Gary, WA6MEM, was announced as the 2023 ARRL Southwestern Division Volunteer of the Year. Congratulations and thanks to Gary for his extensive technical contributions in the LAX Section. Because there was no Division convention in 2024 the awards for 2023 and 2024 were announced together at Yuma. Additionally, the 2023 ARRL SW Division Meritorious Service Award went to Doug Dowds, W6HB, for his extensive work with the Battleship Iowa ARA, United Amateur Radio Club, Quarter Century Wireless Assn., and SoCal DX Club. The 2024 awards went to hams in the San Diego and Arizona Sections. ■

ARRL Field Day is June 28-29...

It's still 16 weeks away but we are beginning planning for the PVARC's Field Day operation at Soleado Elementary School on Saturday/Sunday, June 28-29. So far we haven't heard of any major construction or renovation projects on the campus that might pre-empt our use then.

One change this year: our Board of Directors decided it's time we provide some food for K6PV Field Day operators. Some clubs collect money from their Field Day operators for food—but we won't.

This year we likely will move back to more of a competitive Field Day plan seeking points while still allowing many members a chance to operate or log. A major lesson learned at last year's Field Day was we need to pre-test all logging computers (especially those for FT8) with their associated transceiver before Field Day—not at the 11 am Saturday start. ■

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/>

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. ■



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:

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 — Pt. Vicente Lighthouse at sunset on August 17, 2018, during International Lighthouse Weekend.
 PHOTO: DIANA FEINBERG, AI6DF

PVARC CALENDAR OF EVENTS

MARCH 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4 K6PV analog net, 7:30 pm	5 K6PV DMR net, 7:30 pm	6 PVARC hybrid monthly meeting: Hesse Park and Zoom, 7:30 pm	7	8 PVARC's HF Enthusiasts meeting, PV Library, 10 am-Noon
9	10	11 K6PV analog net, 7:30 pm	12 K6PV DMR net, 7:30 pm	13	14	15
16	17 St. Patrick's Day	18 K6PV analog net, 7:30 pm	19 K6PV DMR net, 7:30 pm	20	21	22
23	24	25 K6PV analog net, 7:30 pm	26 VHF/UHF Enth. meet via Zoom, 7:30-8:30 pm	27	28	29 W6TRW Swap Meet at Northrop Grumman;
30	31					



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

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 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>.



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.**