

# QRO

THE PALOS VERDES AMATEUR RADIO CLUB NEWSLETTER



JUNE 2022

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All **QRO** monthly issues since 2007 are on the PVARC website at [www.k6pv.org](http://www.k6pv.org) under the "Newsletter" tab.

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

## Serving as Team Physician on DXpeditions to Remote Places

**Arnold Shatz, N6HC**  
Thursday, June 2, 2022

### Meeting at Hesse Park and on Webex

5:30 pm: Pre-meeting dinner at Red Onion Restaurant, Rolling Hills Estates  
6:30 pm: "What's Next?" for newer hams  
7:15 pm: Webex room opens  
7:30-9:15 pm: Hybrid Meeting

Guests welcome. Email [ai6df@arrl.net](mailto:ai6df@arrl.net) for the Webex meeting link.

### Other meetings in June:

**PVARC HF Enthusiasts Group** Saturday, June 11, 10:00-11:45 am at Palos Verdes Library Purcell Room and via Webex

**PVARC EmComm Interest Group** Saturday, June 18, 10:00-11:00 am via Webex



## About our upcoming PVARC monthly meetings

What happens when a ham radio operator become injured or ill on a DXpedition 1,500 to 3,000 miles from the nearest pharmacy, hospital, or clinic?

We'll find out at the PVARC's **June 2, 2022** 7:30 pm hybrid meeting when noted DXer and contester Dr. Arnold (Arnie) Shatz, N6HC, discusses serving as Team Physician on 14 major DXpeditions to remote islands around the world. The map image below shows where Arnie provided DXpedition medical services and also operated the HF radios. Prior to serving on DXpeditions he was a full-time Board-certified urologist after earning his B.S. in biology and M.D. degrees from Temple University in Philadelphia. He will be speaking to us remotely from his home in Tustin.



Arnold Shatz, N6HC

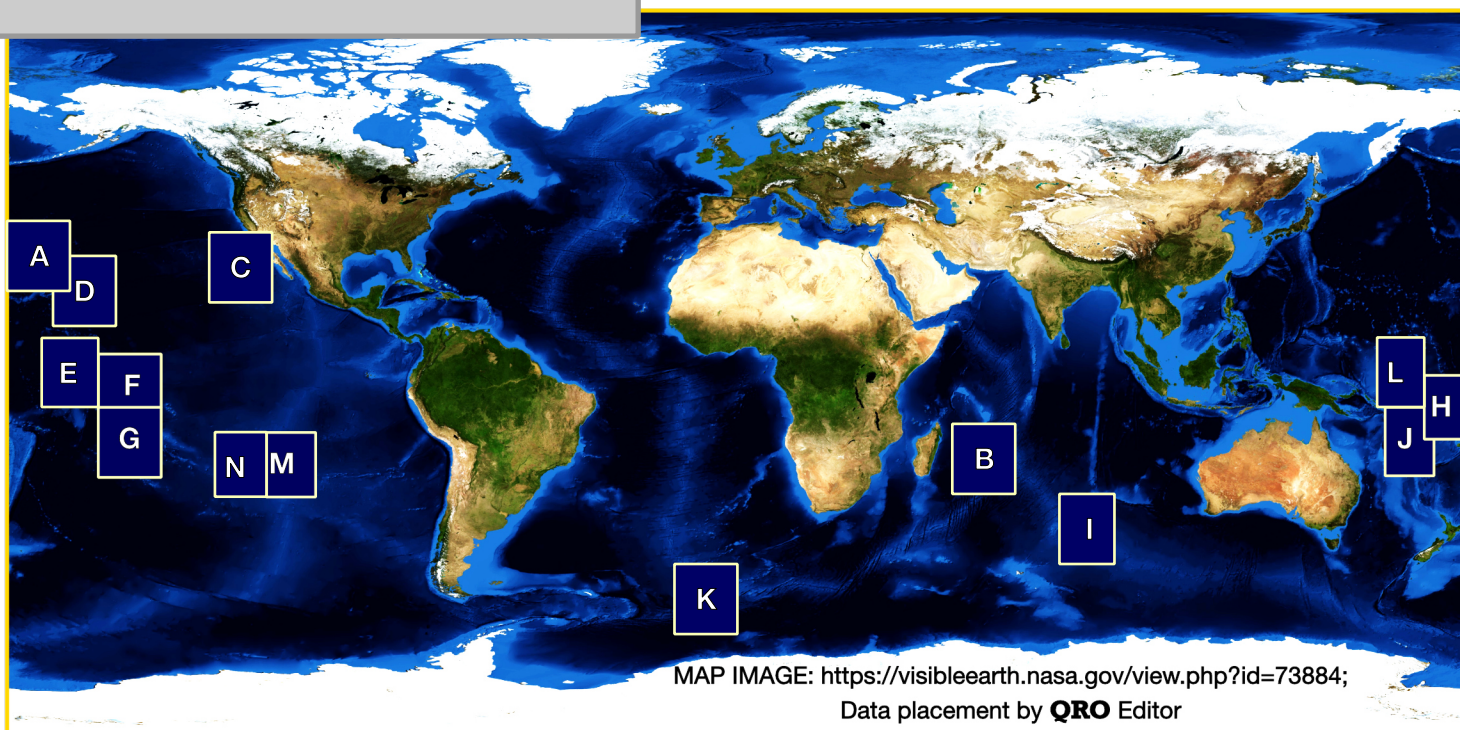
For those interested, two hours before our June 2<sup>nd</sup> meeting we have a purely social no-host dinner at the Red Onion Restaurant, 736 Bart Earle Way (parallel to Silver Spur Road), Rolling Hills Estates. We'll be seated at 5:30 pm; order from the menu what you wish.

- A K7C-Kure Atoll (2005)**
- B 3B7C-St. Brandon Island (2007)**
- C TX5C-Clipperton Island (2008)**
- D K4M-Midway Island (2009)**
- E T31A-Kanton atoll, Central Kiribati (2011)**
- F T32C-Christmas Is., Eastern Kiribati (2011)**
- G NH8S-Swains Island (2012)**
- H T33A-Banaba Island (2013)**
- I FT5ZM-Amsterdam Island (2014)**
- J TX3X-Chesterfield Islands (2015)**
- K Ill-fated 3Y0Z-Bouvet Island (2018)**
- L KH1/KH7Z-Baker Island (2018)**
- M VP6D-Ducie Island (2018)**
- N VP6R-Pitcairn Island (2019)**

Starting at 6:30 pm in our Hesse Park room's alcove PVARC's "What's Next?" information session for newer hams is there to take any questions about amateur radio. All questions are welcome.

Refreshments at the June 2<sup>nd</sup> monthly meeting will be pre-packaged for members to grab and go. We expect returning to open platters of treats in the near future.

Our July 7<sup>th</sup> monthly meeting speaker will be Doug Dowds, W6HB, presenting about the legacy and modern amateur radios aboard the Battleship Iowa. ■



MAP IMAGE: <https://visibleearth.nasa.gov/view.php?id=73884>;

Data placement by QRO Editor

## Continuing something new: Random accomplishments of PVARC members...in 35 words or less

Bob, AC6RM, reports June 2022 marks his 60<sup>th</sup> year of participating in ARRL Field Day.

Is there a random accomplishment in your amateur radio future? If so, let us know.

Gary, WA6MEM, installed a receiver pre-amplifier into the recently donated Motorola XPR-8300 UHF repeater being used for PV-West.



Rick, KG6RH, got a bargain on a Kenwood SW-2000 power/SWR meter at the W6TRW Swap Meet. For \$20 this meter, through its antenna coupler, measures up to 2000 watts SSB/HF or 300 watts VHF/FM. .

**Above:** KG6RH's \$20 Kenwood 2-kW power and SWR meter with antenna coupler photographed at the May 28, 2022, W6TRW Swap Meet. Your **QRO** Editor noticed this same model has been sold used elsewhere in recent years for \$110-140.

PHOTO: DIANA FEINBERG, AI6DF



## PVARC HF Enthusiasts meetings still working on hybrid solution

The PVARC's May 14 HF Enthusiasts Group meeting in the Palos Verdes Library's Purcell Room had eight attendees and tested another virtual meeting option via Webex.

Using the Purcell Room for virtual meetings remains difficult but we are now much closer to a solution. The problems aren't with Webex but with the room layout, lighting, and limits on bringing/setting up equipment.

We still encourage in-person HFE attendees to bring unwanted radio and related items that might be useful to others at the meeting.

In the meantime our hybrid general monthly meetings at Hesse Park are working relatively well. ■



Above: View of attendees at Hesse Park for PVARC's May 5 monthly meeting to hear ARRL Southwestern Division Director Dick Norton, N6AA (right photo) discuss ARRL developments. PHOTOS: RAY DAY, N6HE

## New hams from our first license classes at Hesse Park since 2020

The PVARC's May 7 & 14 ham license classes and May 21 Volunteer Examiner test session resulted in nine Technician and two General licenses earned. These were our first classes and test session at Hesse Park since February 2020 when the pandemic was just beginning.

Walt Ordway, K1DFO, taught our latest classes with 16 in his Technician class initially and four in the General class.

The Volunteer Examiner session was led by Jerry Shaw, KI6RRD, with fellow VE's Steve Collins, KI6TEQ; Dennis Lau, K5LAX; Ray Grace, WA6OWM; and Curtis Jones, Jr., AE6CJ. Dave Scholler, KG6BPH, coordinated the session arrangements.

Thanks to all and congratulations to the new hams as well as those earning upgrades. ■



## PVARC's 2022 Field Day planning meeting on June 5 at N6KN home: Can you operate or assist with setup/takedown?

The PVARC's 2022 ARRL Field Day (June 25-26) returns to Soleado Elementary School in Rancho Palos Verdes but we need our members' help to operate there or assist with setup on Saturday and takedown on Sunday.

Our Field Day Chair Rocco Lardiere, N6KN, is hosting our 2022 Field Day planning meeting on Sunday, June 5, from 1:00-2:30 pm. The meeting will be outdoors in his backyard (shade provided). We encourage all interested PVARC members to attend. Please contact Rocco at: [roclar4321@gmail.com](mailto:roclar4321@gmail.com). Since Field Day is a 24-hour operation we also seek operators able to work part of an overnight shift. This meeting is to assess our FD resources and if changes are needed.

Lastly, we will ensure prudent health protocols for everyone's safety.

The PVARC's Field Day history started in the early 1980's when we operated a joint FD site with the Northrop Amateur Radio Club on a portion of the County-run Palos Verdes Landfill site. For those unaware, part of the old landfill is now the South Coast Botanic Gardens, another section is now Ernie Howlett Park in Rolling Hills Estates, and the remainder between Hawthorne and Crenshaw Blvds. is still a largely off-limits area. As legend has it, the Northrop club wanted to have only highly experienced, high-scoring FD operators while the PVARC sought to be more inclusive by encouraging many to participate.

### PVARC 2022 Field Day Planning Meeting

**Sunday, June 5, 2022**  
**1:00 pm at the home of**  
**Rocco Lardiere, N6KN**  
**5603 Scotwood Drive**  
**Rancho Palos Verdes**

Email: [roclar4321@gmail.com](mailto:roclar4321@gmail.com)

By the early 1990's PVARC had its own Field Day site at Palos Verdes Peninsula High School's football field—and it generally worked well. However, in 2012 campus re-construction resulted in our area becoming unavailable for Field Day. Meanwhile, other Pen High uses for youth sports and the Sunday farmers market began occurring on Field Day weekends too.

For 2012 Field Day we moved to Ridgecrest Intermediate School in Rancho Palos Verdes. Its soccer field offered a much higher elevation than Peninsula High and no competing activities. It was a great site other than the restrooms being quite an elevated hike from our operating area and our first year there we got drenched when all the lawn sprinklers mysteriously turned on for three hours overnight.

In 2018 Ridgecrest's campus was closed all summer for a major upgrade of the school's entire electrical system. We obtained permission to use Soleado Elementary School in RPV and although lower in elevation it had an outstanding Los Angeles Basin view with excellent antenna feasibility.

### PVARC Field Day Locations

<b>2022:</b>	<b>Soleado Elementary School</b>
<b>2020-2021:</b>	<b>(No club Field Day site)</b>
<b>2018-2019:</b>	<b>Soleado Elementary School</b>
<b>2012-2017:</b>	<b>Ridgecrest Intermediate School</b>
<b>1991-2011:</b>	<b>Palos Verdes Peninsula High School.</b>
<b>1982-1990:</b>	<b>Palos Verdes Landfill (jointly with Northrop Amateur Radio Club)</b>

We hope you can participate in PVARC's Field Day during June 25-26. If you operate from home please submit your FD score to ARRL and list your club as "Palos Verdes Amateur Radio Club".

CQ, CQ Field Day? ■



## Scenes from two past PVARC Field Days...



**...1992 at Peninsula High School...**

**Left, top:** Jeff Wolf, K6JW, with daughter Laura, WA6DAL, and John Alexander, K6SVL (SK).

**Left, center:** On the school running track.

**Right, top:** Dan Colburn, W6DC, operates CW. (Note: Dan's 100<sup>th</sup> birthday is this October.)

**Right, center:** PVARC's other station.

PHOTOS: JEFF WOLF, K6JW



## ...and 2019 at Soleado Elementary School



**Left:** Rocco, N6KN, logging while doing high-speed CW...he makes it look effortless.  
PHOTO: BOB CLOSSON, W6HIP.



**Right:** Annalisa, KM6YGS, logs while Peter, KE6JPM, operates SSB and Neal, N6YFM, monitors FT8.  
PHOTO: GARY LOPES, WA6MEM.



# History of the 449.980 MHz PV-West Repeater

By Herb Clarkson, KM6DD

**[Editor's note:** This article originally appeared in the June 2007 **QRO** newsletter. It is being re-printed 15 years later in June 2022 in conjunction with PV-West repeater improvements currently underway. We are grateful to PVARC members Herb Clarkson, KM6DD; Bryant Winchell, W2RGG (SK), Bill Harper, WA6ESC; and Mike Mockler, KO6S, for establishing/maintaining PV-West. Recent technical support for PV-West has also been provided by Gary Lopes, WA6MEM, and Deane Bouvier, N5DQ.]

The 449.980 PL 173.8 repeater now designated as PV-West is a joint operation of the Palos Verdes Amateur Radio Club (PVARC) and the Metropolitan Transit Authority Amateur Radio Club (MTAARC). Saturday afternoon of Field Day this year will mark ten years that this repeater has been in operation. On this anniversary, a summary is appropriate as even some long-time Club members do not know this repeater's history. If you are wondering about the other 440 repeaters, a short summary is also included.

## The Beginning

The story starts with the Northridge Earthquake in 1994 and the concern of various agencies in their ability to communicate in emergencies. This included the leadership of the Palos Verdes Peninsula Unified School District (PVPUSD). Ironically, later it was discovered that these PVPUSD individuals were unaware of the PVARC emergency radio study conducted in 1987 for the School District on this very subject.

A few months after the earthquake, the South Bay Amateur Radio Club (SBARC) lost the location for their repeater operation. They approached the School District for permission to locate their repeater at a school site that was unoccupied at that time. In return, the repeater would be available for the School District, should they establish an emergency radio net based upon amateur radio. In addition, the SBARC agreed that they would provide training, support, etc., to the School District for such a net. Some radio communication tests were conducted and permission was given to the SBARC to install their 220 MHz repeater at the school site. They commenced operation in July 1994.

Around December 1995, the School Board President contacted Paul Weisz, a PVARC past-president and at that time in charge of Lomita Station's Disaster Communications Service. Paul was asked to lend a hand to establish an amateur radio emergency communication net for the District. He turned the project over to this author and to Bryant Winchell because of his knowledge of the 1987 study which he led. The end result was that the PVARC and Lomita DCS took over the development of the School District emergency radio net. That is another story in itself but it was a key to the establishment of the PV-West repeater.

Several Club members involved in emergency communications recognized the advantage of having additional emergency frequencies on other than the two-meter band. It was assumed that the Los Angeles area would experience severe frequency congestion in any major emergency. The School District was amenable to having the PVARC operate a 440 MHz (70 cm) band emergency repeater collocated with the existing SBARC repeater. According to one School District official "...it would be for the well being of the Peninsula... the District would be acting as a good neighbor to do so."

*Continued, next page ►*



## History of the 449.980 MHz PV-West Repeater

► *Continued from previous page*

### The Problems

Two problems existed with this idea. First, was the lack of any readily available repeater with a frequency. Secondly, the 70-cm. band is not considered ideal for emergency use. The band was, and still is, designated as a frequency band where the government has primary usage with amateur radio use being on a non-interference basis. In fact, planned usage of this band for emergency purposes was actually discouraged. At that time, with the sole exception of the Santa Clarita Sheriff's Station, there was no 70 cm capability at county EOC, Sheriff Stations or local city EOCs.

### Solving Problem #1

The lack of a repeater was solved via PVARC member Jim Smart who at that time was an employee of the MTA and a member of their radio club. The MTA Amateur Radio Club had installed a repeater (449.980 PL 136.5) at Running Springs that covered most of the LA basin though marginal in the South Bay area. For better basin coverage, the MTA radio club was seeking a Palos Verdes area location to place another repeater on the same frequency. The PVARC made an agreement with the MTA radio club that they would provide the frequency and repeater equipment while the PVARC would provide the location. A Memorandum of Understanding approved by the PVARC board and signed by then President Jack Carter on June 11, 1997 documented this agreement.

Also executed was a Memorandum of Understanding dated May 28, 1997, between the PVPUSD and PVARC to operate a repeater collocated with the 222 MHz repeater being used by the School District. Two conditions were imposed: the repeater was to be an "open" repeater and in emergency would be controlled by the Lomita Sheriff's Station Disaster Communications Service. Each year, after the radio club provides evidence of liability insurance, a one-year no-cost lease contract is signed between the School District and the PVARC. Note: this evidence of liability insurance is the same that the PVARC provides to the City of RPV for use of Hesse Park for meetings and to the School District for use of High School grounds for Field Day, etc.

On the Saturday afternoon of Field Day in 1997 (June 21st), Mike Mockler and this author installed the repeater that is now known as PV-West operating on 449.980 with PL 173.8 on both input and output. The frequency assignment was originally held by MTAARC member George Trook (K6IUM) but has since transferred to the MTAARC itself. The repeater IDs will be changed to W6MTA whenever the repeater units next require maintenance.

The original operational concept for that repeater was for the MTA to be responsible for FCC compliance, furnish the equipment, etc. while the PVARC would provide the location and overlook the day-to-day operations. This concept has evolved with significant equipment upgrade by Bill Harper, WA6ESC, and myself over the years. Most significant is the installation of what is now a fourth generation antenna, designed and built by Bill. He also was deeply involved in providing the power supply upgrade, emergency power switching and extra air cooling with filtering, etc. I provided the backup batteries plus other incidentals, etc.

The MTAARC, as the licensee, remains responsible to the FCC and the repeater coordination group for the proper legal operation of the repeater. PVARC members provide direct operational control and maintenance of the repeater. Repeater unit maintenance is performed by Mike Mockler who is both an MTAARC and a PVARC member. *Continued, next page* ►

## History of the 449.980 MHz PV-West Repeater

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Relationship with the collocated SBARC repeater group remains excellent. As reported in the **QRO** Jan. 2007 edition, a yearly “pre-winter” maintenance party is held jointly with SBARC members. At that time, the antennas are inspected and painted if necessary. If required, the guy wires are replaced and any other preventative maintenance performed.

### Solving Problem #2

Once this repeater was in operation, attention was next focused on the Lomita Sheriff’s Station obtaining 70 cm capability. In July 1998, bureaucratic obstacles were overcome and the station’s antenna tower underwent required maintenance. As part of this maintenance activity, a new tri-band antenna was installed at the antenna tower top with new cabling connecting it to the station’s DCS room. This allowed Lomita to become the second Sheriff’s Station to have 440 MHz band capability.

Having the PV-West repeater available, along with Lomita Sheriff’s Station new 70-cm capability, next led local cities to acquire the same. At present Rancho Palos Verdes, Torrance, and Lomita City radio rooms have 70 cm equipment in operation. Redondo Beach has all the equipment and awaiting antenna installation. Rolling Hills Estates has a 70 cm antenna available for a radio connection if needed. Within Rancho Palos Verdes, the PVARC-owned repeater (447.120 PL 100.0) became operational in late summer of 2004 for Club, DCS, and PVAN use. (**QRO** Editor’s Note: *Palos Verdes Estates now uses 70 cm too.*)

### PV East

In July 2004, a twin to PV-West, named PV-East came into being. The MTA Radio Club established a third 449.980 MHz repeater located on the east side of the PV hill. This repeater, with input PL of 100.0 and output PL of 173.8, provides excellent coverage in the LA basin and much of the PV hill, particularly the south side, and overlaps the PV-West repeater coverage. Cross repeater communications are available whereby communications that would not be possible on a single repeater are readily accomplished using the two overlapping radiation patterns. This repeater is under operational control of Lomita DCS during emergencies and, like the PV-West repeater, is available to the PVARC Club and its members. (**QRO** Editor’s Note: *PV-East is no longer in operation.*)

### Library District

In 2006, the PV Library District realized a need for emergency communication capability after considering the large number of citizens utilizing their facilities, especially students during the day. Because of the library locations, communications via available local repeaters is extremely difficult. However, the original Running Springs repeater (now called the North repeater) provides a third 449.980 MHz capability into this area by covering the north facing slopes of PV and can be easily used by the three libraries. The MTA radio club has made this repeater available to the libraries and to Lomita DCS. And, as with the other two, it is also available to PVARC members for general use.

Because of the risk of any inadvertent omission of names, I won’t list the various Club members who gave time and effort over the years. However, numerous individuals have been involved from the original efforts of Jim Smart and Jack Carter (SK) to those listed in the January **QRO**.

In summary, these three repeaters, all with backup power, along with the newer PVARC 447.120 MHz repeater, provide significant 70 cm band open repeater and emergency capability in the South Bay area. Happy Anniversary 449.980, PL 173.8. ■



## PVARC upcoming events in 2022

- **PVARC hybrid monthly meetings online via Webex and at Hesse Park**

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

- **PVARC HF Enthusiasts Group meetings in-person or via Webex**

2<sup>nd</sup> Saturday each month, 10:00 am-Noon in Palos Verdes Library main branch's Purcell Room; Webex virtual option when possible.

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

3<sup>rd</sup> 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**

Future dates to be announced.

- **ARRL Field Day**, June 25-26, Soleado Elementary School, Rancho Palos Verdes
- **Public Service Events:**
  - **Hills Are Alive 10K/5K** on Rolling Hills Estates horse trails, August 6, 8 am.
  - Other events TBA.
- **PVARC 2022 Holiday Dinner**, Dec. 8, Los Verdes Golf Course

### 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
- **SEA-PAC / ARRL Northwestern Division Convention**, Seaside OR, June 3-5. <https://www.seapac.org> ■

## 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/](http://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](mailto: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](mailto: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	Georgiann Keller, KM6YGM
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:	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; Laura
	Remington, KA6LMR; Marlee Remington, KA6MJR;
	Derek Okada, K6DMO

### Contact us:

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 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 seen from Pt. Vicente Interpretive Center on an overcast late afternoon, May 7, 2022. PHOTO: DIANA FEINBERG, AI6DF



**-PVARC CALENDAR OF EVENTS****JUNE 2022-**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			<b>1</b> K6PV DMR net, 7:30 pm	<b>2</b> PVARC Monthly Meeting at Hesse Park and via Webex: Arnold Shatz, N6HC  7:30 pm	<b>3</b>	<b>4</b>
<b>5</b> PVARC Field Day planning meeting, 1:00 pm, at home of Rocco, N6KN	<b>6</b>	<b>7</b> K6PV analog net, 7:30 pm	<b>8</b> K6PV DMR net, 7:30 pm	<b>9</b>	<b>10</b>	<b>11</b> PVARC HF Enthusiasts Group meets, 10:00 am at Palos Verdes Library Purcell Room / Webex
<b>12</b>	<b>13</b>	<b>14</b> K6PV analog net, 7:30 pm	<b>15</b> K6PV DMR net, 7:30 pm	<b>16</b>	<b>17</b>	<b>18</b> PVARC EmComm Interest Group meeting, 10:00 am via Webex
<b>19</b>	<b>20</b>	<b>21</b> K6PV analog net, 7:30 pm	<b>22</b> K6PV DMR net, 7:30 pm	<b>23</b>	<b>24</b>	<b>25</b> PVARC's Field Day at Soleado Elementary School, 8 am- Midnight  W6TRW Swap Meet
<b>26</b> PVARC's Field Day at Soleado Elementary School, 12 am-1 pm	<b>27</b>	<b>28</b> K6PV analog net, 7:30 pm	<b>29</b> K6PV DMR net, 7:30 pm	<b>30</b>		

Postal mail form below; email version: [http://www.n6rpv.net/n6rpvpage/pvarc/membership\\_form.pdf](http://www.n6rpv.net/n6rpvpage/pvarc/membership_form.pdf)



**Palos Verdes Amateur Radio Club**  
**P.O. Box 2316**  
**Palos Verdes Peninsula, CA 90274**  
<http://k6pv.org>

**NEW MEMBER & 2022  
 MEMBERSHIP RENEWAL FORM**

**NEW:** \_\_\_\_\_ **or RENEWAL:** \_\_\_\_\_ **MEMBERSHIP** **DATE:** \_\_\_\_\_

**Last Name:** \_\_\_\_\_ **First Name:** \_\_\_\_\_ **Spouse:** \_\_\_\_\_

**Street Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**Phone:** Home \_\_\_\_\_ **Work** \_\_\_\_\_ **Cell** \_\_\_\_\_

**Email address:** \_\_\_\_\_

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

**License Call:** \_\_\_\_\_ **License Class:** \_\_\_\_\_ **ARRL Member?** \_\_\_\_\_ **Birth Mo./Day:** \_\_\_\_\_

**Other amateur radio groups you belong to:** \_\_\_\_\_

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

**Name** \_\_\_\_\_ **Call** \_\_\_\_\_ **Class** \_\_\_\_\_ **ARRL** \_\_\_\_\_ **Birth Mo./Day:** \_\_\_\_\_

**Name** \_\_\_\_\_ **Call** \_\_\_\_\_ **Class** \_\_\_\_\_ **ARRL** \_\_\_\_\_ **Birth Mo./Day:** \_\_\_\_\_

**Name** \_\_\_\_\_ **Call** \_\_\_\_\_ **Class** \_\_\_\_\_ **ARRL** \_\_\_\_\_ **Birth Mo./Day:** \_\_\_\_\_

**Individual membership: \$20.00**

**or Household / Family membership: \$25.00**

**(Optional) Donation to support PVARC activities: \$** \_\_\_\_\_

**PayPal:** \_\_\_\_\_ **Cash:** \_\_\_\_\_ **or Check #:** \_\_\_\_\_ **Date** \_\_\_\_\_ **TOTAL \$** \_\_\_\_\_

**Please make checks payable to: Palos Verdes Amateur Radio Club; Dues based on January 1<sup>st</sup> to December 31<sup>st</sup> year.**

**PayPal payment: Go to [www.paypal.com](http://www.paypal.com), enter recipient name as: PVARC90274@gmail.com**

**All New and Renewal Member applications must be signed below.**

I am applying for a new or renewal membership in the Palos Verdes Amateur Radio Club and understand that by accepting membership I agree to abide by the Club's constitution and by-laws (available on-line at: <http://www.n6rpv.net/n6rpvpage/pvarc/constitution.pdf> or upon request.)

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Family Member Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Family Member Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_