



QRO

MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

JANUARY 2020



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

Helium-filled balloons and amateur radio for educating students

Brian Johnson, AB6UI

Thursday, January 2, 2020

6:30 pm: 1) "What's Next?" group...all ham radio questions welcome, and 2) separate "DMR Basics" group

7:30 pm: Main meeting and presentation

**Fred Hesse Community Park
(McTaggart Hall)**

**29301 Hawthorne Blvd.
Rancho Palos Verdes, CA**

Visitors always welcome

PVARC's upcoming meeting topics

The PVARC's January 2, 2020, meeting kicks off the New Year with Brian Johnson, AB6UI, returning to speak about school educational programs involving amateur radio and APRS on helium-filled balloons. Brian has volunteered during the past year with Compton schools to demonstrate amateur radio's APRS capability with ballooning. He also spoke at our November 2019 club meeting about amateur radio on the International Space Station.

Our February 6th meeting features Terry Dennison, K9TAD, speaking about sunspots and HF propagation. Terry recently gave this presentation at a Southern California DX Club monthly meeting. Also at this meeting our club officers and directors will be elected to serve from February 6, 2020, to February 4, 2021 (see article below.)

Our March and April program topics will be announced soon. ■

PVARC Board of Directors election at February 6th meeting, additional nominations taken at January 2nd meeting

The PVARC's officers and directors are elected annually at our February meeting to serve for the following 12 months. In advance of our January meeting where nominations are also taken from the floor a nominating committee of the Board always slates a list of candidates who have expressed their willingness and full commitment to respectively fill each position.

The slate nominated and committed to serve from February 2020 to February 2021 if elected are:

For President: Diana Feinberg, AI6DF

For Vice President: Ray Day, N6HE

For Secretary: Ron Wagner, AC6RW

For Treasurer: Peter Landon, KE6JPM

For Directors (2): Clay Davis, AB9A

Gary Lopes, WA6MEM

If additional nominations from the floor are received at our January 2nd meeting any contested position will be decided by secret ballot at our February 6th meeting. Only paid members may vote, per our club bylaws. If there are no contested positions the entire nominated slate shown above may be affirmed by simple voice vote at the February 6th meeting.

Going forward, our current Board has discussed having additional members gain experience in some new appointed positions that help manage the PVARC's activities—and possibly lead to considering being on a future Board of Directors. Unlike many professional organizations where there's a paid management staff to carry out activities the PVARC's officers and directors are also the unpaid staff committed to making things happen. There's also some institutional knowledge that comes from ongoing familiarity with the PVARC's annual activities. ■

PVARC Holiday Dinner recap; Rocco, N6KN, named recipient of 2019 Rhombic Award for outstanding service

The PVARC’s 2019 Holiday Dinner on December 12 had a smaller than usual turnout due to an unexpected number of members either traveling or ill. But those attending reported having a great time, excellent food, a nice assortment of door prizes, and an unusual visitor (shown below) filling an empty seat.

Also at the dinner our fellow member Rocco Lardiere, N6KN, was named recipient of the Palos Verdes Amateur Radio Club’s W6AM Rhombic Award for outstanding service to the club. Rocco was unable to attend the dinner due to illness, but we will present the Rhombic Award plaque to him at our January 2nd monthly meeting. ■

Year	W6AM Rhombic Award Recipients
2019	Rocco Lardiere, N6KN
2018	Jerry Kendrick, NG6R
2017	Jeff Wolf, K6JW
2016	Mel Hughes, K6SY
2015	Joe Pace, NZ6L
2014	Walt Ordway, K1DFO
2013	Bob Closson, W6HIP
2012	Dale Hanks, N6NNW
2011	Bill Harper, WA6ESC
2010	Ginger Clark, KG6TAU John Freeman, WW6WW Karen Freeman, KG6BNN
2009	Homer Meek, K6HKT
2008	Dan Colburn, W6DC



The photos at right—taken just before setting up our holiday decorations and prizes to transform the room—unfortunately are the only images from our 2019 Holiday Dinner. The **QRO** Editor got so pre-occupied with set-up and other matters that she neglected to take photos once everyone arrived.

The unusual visitor shown, Mr. Panda, came from the AI6DF radio room and had an amusing evening.

PHOTOS:
DIANA FEINBERG, AI6DF

PVARC public service: Palos Verdes Half Marathon and 10K/5K

Saturday, November 16, was a clear but cool morning for the 2019 Palos Verdes Half Marathon-10K-5K races. For the Palos Verdes Amateur Radio Club it was the 44th year we've provided communication support to this Half Marathon and its 26.2 mile predecessor, the Palos Verdes Marathon.

PVARC member Steve Collins, KI6TEQ, coordinated our club's communication support at this year's Half Marathon. The K6PV club repeater was linked with Mel Hughes' 2-meter crossband (the same configuration as in our Tuesday evening net) for all course operators to network in real-time whether transmitting or receiving.

Bob Closson, W6HIP, and Pat Hutchings W6PBH, ably handled net control from the Rancho Palos Verdes Emergency Communication Center adjacent to RPV City Hall. At the Half Marathon's geographic endpoints Ray Day, N6HE, and Bob Millard, AC6RM, deployed their higher-power equipment and high-gain antennas to ensure communications from these locations. But the K6PV repeater's improved receiver sensitivity was adequate for handheld radios at those locations.

Three operators participated this year for the first time: Ginger Clark KG6TAU, George Nestojko NA6Q, and Glenn Shibata KJ6ATN. Operators did a great job tracking lead runners for the Half Marathon and conducting parking lot operations. Overall, few problems were reported and there were no injuries.

The concurrent PV 5K, 10K, and Half Marathon races are held annually as a fundraiser for Rolling Hills Estates Kiwanis Club scholarships to deserving high school students. Herb Stark, KO6RC, is the Kiwanis Club coordinator for the race which Dragonfli Media now manages in concert with volunteers from various organizations. Dragonfli's new race director this year was very enthusiastic about the support from amateur radio operations.

Thanks to these operators for a job well done:

Bob Closson W6HIP
Patrick Hutchings W6PBH
Ralph Yoon AI6GP
Herb Stark KO6RC
Marty Dodell KF6VSY
Walt Ordway K1DFO
Bob Sylvest AB6SY

Steven Collins KI6TEQ
Robert Millard AC6RM
Mike Semos K6HF
Ray Day N6HE
Ginger Clark KG6TAU
George Nestojko NA6Q
Glenn Shibata KJ6ATN ■



Palos Verdes Half Marathon runners making their U-turn at the race's northern end on Paseo del Mar near Palos Verdes Drive North. PHOTOS: RAY DAY, N6HE

Editor's Note: This article was inadvertently omitted from our December 2019 QRO issue.

The PVARC accomplished a lot during 2019...more coming in 2020

By Diana Feinberg, AI6DF
QRO Editor

Through the efforts of many club members Calendar Year 2019 was one of great progress for the PVARC.

First: Our biggest accomplishment was a giant step—converting the K6PV repeater to dual-mode analog/DMR capability, with a specific Digital Mobile Radio PVARC Talkgroup (31060 on the worldwide Brandmeister network). In February 2019 we purchased a new Hytera RD982i analog/DMR repeater that became operational in late March 2019 on our 447.120 MHz repeater frequency pair. The technical credit for bringing this to fruition goes to Gary Lopes, WA6MEM, and Clay Davis, AB9A, with additional support from Rocco Lardiere, N6KN.

Getting this repeater on the air was our first step with DMR. We also provided education for our members on how DMR works, how to program DMR transceivers, and how to connect with the Brandmeister network—whether directly into K6PV over the air or via low-power hotspots into Local Area Networks. We held numerous DMR sessions before and during our monthly meetings; had significant DMR coverage in **QRO** issues; and Ron Wagner, AC6RW, programmed numerous members' HT radios of the three model groups we initially support (the TYT UV380, the AnyTone 868/878UV; and the TERA TR-7400.) We'll continue this in 2020.

Second, we continued providing free public service radio communication at local charitable events. In 2019 our members operated at the Ridgecrest Intermediate School 5K; Rolling Hills Estates "Hills Are Alive" 10K/5K; Labor Day "Conquer the Bridge" race across Los Angeles Harbor's Vincent Thomas Bridge; and in November the annual Palos Verdes Half Marathon/10K/5K. Walt Ordway, K1DFO, organized our coverage for the first three events and Steve Collins, KI6TEQ, for the Palos Verdes Half Marathon. We expect serving again in 2020.

Third, our Field Day operation in late June brought in new participants and an outstanding score. K6PV—for the first time since at least 2002—finished first among all Class 2A stations in the ARRL Southwestern Division and in the top 6% of all Field Day stations nationwide regardless of class. This year Rocco, N6KN, assumed direction of our Field Day and had great results.

Fourth, our website (www.k6pv.org) made substantial design and functionality improvements in 2019—with more to come in 2020. Besides a completely new look we provided for easier capabilities to add new or corrected content. Clay Davis, AB9A; Ron Wagner, AC6RW; and Kel Vanderlip, K6KCV, led our website revitalization.

Fifth, we had a successful Islands On The Air DXpedition to Two Harbors on Catalina Island in February. Despite marginal HF propagation we worked all 50 states and 45 countries from Catalina...and for the first time heavily used the FT8 digital mode. Nine PVARC members led by Ray Day, N6HE, were on this team.

Sixth, we set up and operated our annual International Lighthouse & Lightship Weekend station at Pt. Vicente Lighthouse with free family picnic. Those biting bugs at Pt. Vicente were with us again but they stayed away from the picnic areas. Thanks to Bob Closson, W6HIP, for coordinating our weekend with the Coast Guard.

Seventh, our fellow member Walt Ordway, K1DFO, taught three sets of amateur radio licensing classes at Hesse Park. These were followed by Volunteer Examiner test sessions with Jerry Shaw, KI6RRD, as our lead VE and Dave Scholler, KG6BPH as coordinator.

Lastly, we thank many other members for helping or participating in the PVARC's 2019 activities and meetings. We do it all to serve our membership, including you. ■

Next HF Enthusiasts Group meeting at PV Library, January 11

The PVARC's HF Enthusiasts Group meets Saturday, January 11, from 10:00 am to Noon, at the Palos Verdes Library's main branch (701 Silver Spur Rd / 650 Deep Valley Dr.) in the Purcell Room behind the Reference Desk. Free parking is available on the Library roof, in a parking structure on Deep Valley Drive, or inside a small parking area accessed from Silver Spur Rd.

Among topics discussed at the December 14th HFEG meeting (as noted by AI6DF) with 11 attendees:

- Jeff K6JW described the lack of resolution to his SteppIR antenna issues and will be switching to a new Mosley beam on his tower covering 40 through 6-meters.
- Don WG6E discussed how when he ordered Amphenol parts from Online Components in Phoenix not only were prices less than other places but actual certificates of compliance from Amphenol were included in the box (see photo below.)
- Jerry NG6R is still doing SOTA-chasing and finally worked the United Nations headquarters station, 4U1UN. In connection with his ongoing tutoring of a Peninsula student he also solved 1,000 calculus problems in an AP Calculus book, and found 21 errors which he reported to the publisher.
- Brian K6BRN and Neal N6YFM discussed testing sealed lead acid battery capacities using both electronic and passive loads to determine discharge curves—and how much battery life remains.
- Carlos WD6Y updated his moon-bounce antenna project.
- Discussion by many about failure issues with HF radio front panel touch displays. More topics were discussed but we don't have room for all of them. Be sure to attend the next HFEG meeting on January 11. ■



Left: Don WG6E showed his Amphenol parts bought from Online Components that came with Amphenol certificates of compliance.

Below: Four of the 11 HFEG participants in the Purcell Room.



An unusual VHF/UHF mobile transceiver, for sure

By Diana Feinberg, AI6DF
QRO Editor

The 1970's British comedy troupe Monty Python often moved between their stage scenes by pompously announcing, "And now for something completely different..." Every once in a while there's a ham radio moving that British sarcasm into reality—and we recently might have found such a unit.

That potentially "something completely different" is the new AnyTone D578UV-III tri-band mobile transceiver. Why the legacy "established" ham radio manufacturers missed this opportunity remains a mystery.

The AnyTone D578UV-III is still relatively new and hasn't received many reviews but this transceiver's concept goes beyond any other recent mobile transceiver. First, this radio covers the 2-meter, 1.25-meter, and 70-cm ham bands with dual receivers. Second, this unit does either analog or DMR on each of the three bands (there hadn't been any DMR 220 MHz radios until this). Third—and this is the big game-changer—it will cross-mode while cross-banding. In other words, the 2-meter or 220 MHz signal can be in DMR and the 440 cross-band can be analog (or vice-versa.) There's no other ham radio that simultaneously does analog and DMR in cross-band.

There are a few caveats with buying this radio. First, the AnyTone D578UV-III has several variants and is early in its production cycle, so shop carefully. Secondly, there are still few reviews on this transceiver. Third, be advised the 222-225 MHz transmit power is only 10 watts (it's 50 watts max on 2-meters, 45 watts max on 70cm). And fourth, like all DMR radios there's a learning curve to master. I do not currently own an AnyTone D578UV-III but it really seems like something completely different while sharing a familiar display with the AnyTone 878UV HT analog/DMR radio. Hopefully other radio makers will also see value in things completely different. ■



PHOTO CREDIT: <http://www.connectsystems.com/products/top/radios/DS578UV.htm>. Shown from the ConnectSystems website, the AnyTone D578UV-III tri-band analog/DMR mobile transceiver is "something completely different." It not only does cross-band between VHF/UHF but cross-mode between analog and DMR (i.e., receive in one mode, transmit out on the other mode.) This radio also has limited capabilities on the 222-225 MHz ham band using either analog or DMR—it's the first DMR mobile rig for that band.

PVARC Club News

Consider being an ARRL member

Please consider joining the American Radio Relay League (ARRL) if not currently 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. But being an ARRL-affiliated club requires at least 51% of club members also be ARRL members. Annual ARRL membership costs \$49 and now 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. Additionally all ARRL members have access to numerous web-based materials, ARRL staff, and assistance with ham radio issues. Visit: www.arrl.org/ then click "Join/Renew." ■

PVARC badges await pickup at next monthly meeting...or another time

Gary Lopes, WA6MEM, has the following PVARC badges ready for distribution at our January 2 meeting or by other arrangement.

- K6MU
- KI6YMD
- NJ6I

To make special arrangements with Gary (or to order a badge) contact him at: wa6mem@cox.net. ■

Embroidered PVARC patches available at monthly meetings

PVARC club patches are available at our monthly meetings for \$4 each. They may be sewn on any cap, jacket, shirt, or bag.

The four illustrations in the patch center are emblems of the Palos Verdes Peninsula's four cities (clockwise from top left: Palos Verdes Estates, Rolling Hills Estates, Rancho Palos Verdes and Rolling Hills.) ■



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	Peter Landon, KE6JPM
Secretary	Ron Wagner, AC6RW
Directors	Clay Davis, AB9A Gary Lopes, WA6MEM Bob Sylvest, AB6SY
Past Vice President	

Appointed Offices:

QRO Editor	Diana Feinberg, AI6DF
Webmaster	Kel Vanderlip, W6KCV
K6PV QSL Manager	Jeff Wolf, K6JW
K6PV Repeater Trustee	Mel Hughes, K6SY
LAACARC Delegate	Jeff Wolf, K6JW
VE Coordinator	Dave Scholler, KG6BPH
VE ARRL Liaison	Jerry Shaw, KI6RRD
Net Control Operators	Malin Dollinger, KO6MD; Dale Hanks, N6NNW; Bob Sylvest, AB6SY; Ron Wagner, AC6RW; Dan Yang, K6DPY

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Email us: k6pv@arrl.net

Website: www.k6pv.org

Mailing Address:

Palos Verdes Amateur Radio Club
PO Box 2316
Palos Verdes Peninsula, CA 90274-8316

Monthly Meetings:

1st Thursday (except July and December in 2019) at 7:30 pm at Fred Hesse Park, 29301 Hawthorne Blvd., Rancho Palos Verdes, CA. Visitors always welcome.

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

To order a Club badge:

Gary Lopes, WA6MEM, wa6mem@cox.net

To order a Club jacket or patch:

Dave Scholler, KG6BPH, 310-373-8166

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Front page photo — Pt. Vicente Lighthouse during a spectacular sunset on December 17, 2019.
PHOTO: DIANA FEINBERG, AI6DF

PVARC Club News

PVARC upcoming dates in 2020

- ◆ **PVARC monthly meeting at Hesse Park, McTaggart Hall**

1st Thursday each month, 7:30-9:30 pm, except in August and December. 6:30-7:25 pm, "What's Next?" group for newer hams and "DMR Basics".
- ◆ **HF Enthusiasts Group meetings at Palos Verdes Library, Peninsula Center main branch**

2nd Saturday every month, 10 am to Noon, in the Purcell Room (corner behind Reference Desk.)
- ◆ **Walt Ordway, K1DFO, Technician and General amateur radio license classes at Hesse Park**

Saturdays, Feb. 1 and 8, 2020; exams, Feb. 15.
Saturdays, May 2 and 9, 2020; exams, May 16.
Saturdays, Nov. 7 and 14, 2020; exams, Nov. 21.
- ◆ **Field Operating Events:**
ARRL Field Day, June 27-28, Soleado School.
International Lighthouse & Lightship Weekend, August 22-23.
- ◆ **Public service events in 2020:**
Ridgecrest Int. School 5K, Apr. 26.
RHE Hills Are Alive 10K/5K run/walk, Aug. 10.
Conquer the Bridge race, Labor Day, Sept. 7.
Palos Verdes Half Marathon-10K-5K, Nov. 21.
- ◆ **PVARC 2020 Holiday Dinner:** To be announced.

Non-PVARC Events of Note:

- ◆ **W6TRW Swap Meet:** last Saturday each month, Northrop Grumman Space Park, North Redondo Beach, 7:00-11:30 am.
- ◆ **Yuma Hamfest & ARRL Southwestern Division Convention**, Yuma, AZ: Feb. 14-15.
- ◆ **International DX Convention**, Visalia, CA: Apr. 24-26.
- ◆ **Dayton Hamvention**, Xenia, OH: May 15-17.
- ◆ **Sea-Pac & ARRL Northwest Division Convention**, Seaside, OR: June 5-7.

WELCOME NEW MEMBERS OF THE PALOS VERDES AMATEUR RADIO CLUB IN 2018-2019

Daniella Ward, KM6TRC
 Dylan Brown, KM6TDI
 Ellen Tessitore, N6XJM
 Michael Vulpilat, KJ6RVU
 Brian Clebowicz, K6BRN
 Warren Arata, KM6YGR
 Chris Sundlee, N6CGS
 Brad Rachielles, KC6NNV
 Georgiann Keller, KM6YGM
 Annalise Little, KM6YGS
 Tim Couture, KM6QWA
 Frank Brown, KM6YGQ
 Charlie Hansen, AJ6HZ
 Diana DiDomenico, KM6IQN
 William McClure, W7QLI
 Rick Shigio, K6RTS
 David Calloway, K6DKC
 Jon Kuroyama, K6LDQ
 Ray Grace, WA6OWM
 Robert Keller, K9BGC
 Alex Marko, KD6LPA
 Erin Okada, KN6FYV
 Derek Okada, KN6FYS
 Xing Yang, KN6FYX
 Stephen Anderson, KN6FZA
 Charles Tang, KN6FYY
 Ikue Duncan, KN6FYW

About those strange noises mostly on 40 and 20-meter ham bands...if they are military the ITU Convention allows them

Over-the-Horizon Radars Causing Widespread Interference on 40-meters

From the ARRL website, 12/19/2019

Over-the-horizon (OTH) radars continue to plague various amateur radio bands. Those operating on exclusive ham radio allocations have been complaining for years, but military systems have a blanket waiver to use amateur radio frequencies. The latest edition of the International Amateur Radio Union Monitoring System (IARUMS) newsletter (see: <http://www.iarums-r1.org/iarums/news2019/news1911.pdf>) reports that a radar in northern Iran — likely military — has been operating 40 meters (6978 – 7022 kHz). Several Russian and Chinese OTH radars have become mainstays in the ham bands. While these sort of signals are operating on exclusive amateur radio allocations, the International Telecommunication Union (ITU) Convention essentially gives military stations free reign in the spectrum. Article 48 says, “Member States retain their entire freedom with regard to military radio installations.” Member states are countries that have agreed to follow the Convention, and that is not a given.

The Convention goes on to say, however, “Nevertheless, these installations must, so far as possible, observe statutory provisions relative to giving assistance in case of distress and to the measures to be taken to prevent harmful interference [emphasis added], and the provisions of the Administrative Regulations concerning the types of emission and the frequencies to be used, according to the nature of the service performed by such installations.”

According to IARUMS, the Iranian OTH radar was centered on 7000 kHz using amplitude modulation on pulse (AMOP) at 81 sweeps per second. Recordings of military transmissions are available on the SIGIDWIKI signal identification site. <https://www.sigidwiki.com/wiki/Category:Military>

The South African Amateur Radio League (SARL) News reported this week that radio amateurs in Europe and South America have reported major interference from Russian OTH radar stations on several parts of 40 meters — with 12 kHz-wide signals. The radar transmissions have been heard on 7064, 7109, 7170, and 7190 kHz.

Several European IARU member-societies have already sent complaints to their respective telecommunications regulators. ■



Russian Ministry of Defense photo (as posted on Wikipedia) of Russia's "Container" Over-The-Horizon radar, recently heard across the 20-meter ham band from 14.176-14.188 MHz.

https://en.wikipedia.org/wiki/Container_radar#/media/

PVARC Calendar

January 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 PVARC monthly meeting, Hesse Park. What's Next, & DMR 6:30 pm; Main meeting, 7:30 pm	3	4
5	6	7 PVARC weekly net on K6PV repeater & cross-band, 7:30 pm (analog); 8:00 pm (DMR)	8	9	10	11 PVARC HF Enthusiasts Group, 10 am to Noon, Palos Verdes Library Peninsula Center Purcell Room
12	13	14 PVARC weekly net on K6PV repeater & cross-band, 7:30 pm (analog); 8:00 pm (DMR)	15	16	17	18
19	20	21 PVARC weekly net on K6PV repeater & cross-band, 7:30 pm (analog); 8:00 pm (DMR)	22	23	24	25 W6TRW Swap Meet, 7:00-11:30 am at Northrop Grumman, North Redondo Beach
26	27	28 PVARC weekly net on K6PV repeater & cross-band, 7:30 pm (analog); 8:00 pm (DMR)	29	30	31	

Tell your friends and family about our upcoming ham license classes at Hesse Park.

Two Free Amateur Radio Courses

FCC "**Technician**" course (entry level)

FCC "**General**" course (2nd level)

Each course is 2 sessions

The sessions will be on 1 and 8 February 2020

Technician 9:30 AM to 1:30 PM both Saturdays (bring your lunch)

General 1:45 PM to 5:00 PM both Saturdays

The FCC tests will be 10:00 AM to noon on 15 February 2020

At the start of the 1 February Technician course, the Palos Verdes Amateur Radio Club will give a 30 minute presentation on how to get further involved with amateur radio.

The class location is at Fred Hesse Community Park,
29301 Hawthorne Blvd., Rancho Palos Verdes, CA 90275

Confirm your attendance to Walt, K1DFO at waltordway@juno.com

There is no fee for either course.

Taking the FCC test is \$15.

Optional Material (sold at cost)

Gordon West books with all the FCC test questions,

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

Paper copy of Walt's Power Point charts,

\$22 for the Technician and \$18 for the General

For courses sponsored by the Palos Verdes Amateur Radio Club, students thru grade 12 who pass their examination at a PVARC VE test session will, upon application to the Club, be eligible for reimbursement up to a maximum of \$50 to cover the cost of materials and the examination fee.

Everyone who obtains their first ham radio license through a PVARC VE test session, regardless of age, will receive a free membership in the Palos Verdes Amateur Radio Club for the remainder of the current calendar year.



Palos Verdes Amateur Radio Club
P.O. Box 2316
Palos Verdes Peninsula, CA 90274
www.k6pv.org

NEW MEMBER & 2020 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) \$ _____

Household and/or Family membership (\$25.00) \$ _____

Additional 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 1st to December 31st year.

PayPal payment: Go to www.paypal.com, enter recipient name: 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.k6pv.org or upon request.)

Signature: _____ Date: _____

Family Member Signature: _____ Date: _____

Family Member Signature: _____ Date: _____

2020 Southwestern Division Convention

Yuma Hamfest ***Yuma, Arizona*** ***Feb. 14 & 15, 2020***



Yuma County Fairgrounds
2520 East 32nd Street, Yuma, Arizona

www.yumahamfest.org

Check the Website for Additional Information

Gates Open for Camping Thursday, 2 pm	Event Hours Friday, Noon - 5 pm Saturday, 8 am - 5 pm	Hamfest Dinner & Grand Prize Drawing Saturday Night 6:00 - 8:00 pm
Vendor Setup Friday, 7 am - Noon		

Vendors & Exhibitors
Consignment Sales
License Testing
Hourly Door Prizes
On-site RV Camping
Hamfest Dinner
ARRL Speakers
Transmitter Hunt
\$5.00 Admission

Tailgating (Swap Meet)
Full Seminar Schedule
DXCC Card Checking
\$22000+ in Grand Prizes
Emergency Preparedness
Admission Prizes
Hospitality Area
Near Space Balloon Launch
Antenna Clinic & T-hunt

Email Contact: ***info@yumahamfest.org***