



QRO

MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

MAY 2021



Inside this month's QRO

Upcoming monthly meeting speakers	2
Update on resuming PVARC in-person meetings.....	2
The PVARC's newest ham radio family—meet the Remingtons	3-6
Inverted Pyramid describes new FCC RF safety calculation	7-8
Technical news you can use	9
PVARC Club news.....	10-11
PVARC May calendar of events.....	12
PVARC 2021 membership renewal form	13
Virtual 2021 International DX Convention, May 15-16	14

All **QRO** monthly issues since 2007 are on the PVARC website at:
www.k6pv.org in the "Newsletter" tab. Additional club news appears in
the emailed PVARC Weekly Bulletin.

Remote Station Operation Using NODE RED

Neal Pollack, N6YFM

Thursday, May 6, 2021
via Cisco Webex

7:15 pm: Webex room opens
7:30-9:15 pm: Meeting

Guests welcome. Email to
ai6df@arrl.net for the Webex meeting
link.

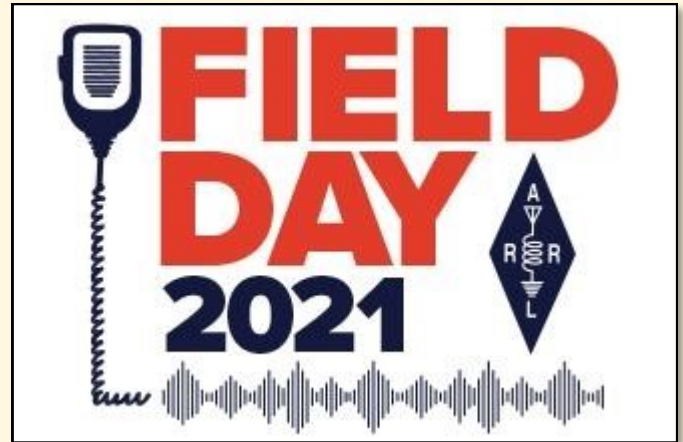
All PVARC meetings will be through Webex
video conferencing until conditions permit
safely resuming in-person events.

PVARC's upcoming meeting topics

The PVARC's **May 6** monthly meeting focuses on controlling a ham station remotely. Fellow PVARC member Neal Pollack, N6YFM, is presenting "Remote Station Control Using Node Red." Some HF radios offer internet connectivity or external interfaces to operate from other locations around your house, at a 2nd home, a hotel room, or anywhere there's Wi-Fi or broadband internet.

But what about controlling the other elements of a home ham station such as AC/DC power supplies, Wi-Fi, amplifiers, antennas, tuners, or ham shack accessories? Neal's presentation focuses on controlling all these "other" aspects with help from the free Node Red visual programming software created at IBM. Node Red enables easily linking these external devices while creating a visual "Dashboard" displaying device levels and settings.

Our **June 3** monthly meeting aims to encourage as many PVARC members as possible to operate ARRL Field Day from home or other safe location. Our fellow members Ray Day, N6HE, and Georgiann Keller, KM6YGM, created a presentation explaining in clear language the rules and procedures for Field Day—and how you can do it. After Field Day we would like PVARC members (regardless of station class) to submit their Field Day log to ARRL. These logs will be combined into a club score under the 2020-2021 temporary Field Day rules. Each operator's individual score would still be recognized.



PVARC's **July 1** monthly meeting features a fascinating presentation on "Essential Ham Radio Knowledge," while our **August 5** meeting will focus on PVARC members' Field Day operations/results, and the **September 2** monthly meeting kicks off the Labor Day weekend by "Dealing with RFI." As the urban EMI/RFI noise floor rises all hams will be seeking solutions to such issues.

Our Board of Directors opted not to setup and operate a station at Pt. Vicente Lighthouse for this year's International Lighthouse & Lightship Weekend in mid-August. We await the pandemic winding down (no new variants or twists) while favoring club activities with access for all members. Any operation at this year's ILLW would have been limited to a few members and not very inclusive. Our annual family picnic at Pt. Vicente is also postponed until August 2022. We will return!

The PVARC's **December 2nd** Holiday Dinner at Los Verdes Golf Course remains scheduled unless coronavirus conditions dictate otherwise. ■

An update on resuming PVARC in-person meetings

We await learning when PVARC in-person monthly meetings may resume at Hesse Park or the Palos Verdes Library District's main branch for our HF Enthusiasts Group meetings.

The City of Rancho Palos Verdes currently hopes for a limited re-opening of its facilities by early July but perhaps not for meetings of our size. The Palos Verdes Library District re-opened its three branches in early April 2021 but only for browsing, checking-out materials, and certain services. However all meeting rooms, study rooms, and seating areas remain closed as of May 5.

In the meantime, we'll continue using Webex for all meetings and are prepared for hybrid meetings when in-person events return. ■

PVARC's Newest Ham Radio Family—Meet the Remingtons

Submitted (by request) from: Jeff, KA6JMR and Laura, KA6LJR

Introduction and editing by: Jerry Kendrick, NG6R

Meet the Remington family. Nephew Jeff KA6JMR, Jeff's wife Laura KA6LJR and 12-year-old daughter Marlee KA6MJR recently received their amateur radio licenses and joined the PVARC. Seven-year-old son Jack—not to be left out of the fun and frequent family discussions about radio—is studying for his ham license as well. Grandniece Marlee was the real catalyst for this recent flurry of ham radio licensing activity—Marlee knew very soon after learning about amateur radio that she wanted to get her ham license. Jeff and Laura tell their family's story in the following article. So, enjoy learning about PVARC's newest ham radio family and please welcome them into our wonderful club. **-JK, NG6R**

Jeff and Laura were still dating in college when they were originally licensed as KE6QXK and KE6QWQ in 1995 at the Tech/Tech-Plus levels. However, Jeff's original interest in amateur radio had begun in the mid-1980s when "Uncle Elmer" Jerry, NG6R, provided him with the essentials for his first shack (literally in a backyard shack!), consisting of a vintage Heathkit transmitter, WRL Electronics VFO, and National NC303 receiver. Watching those tubes light up and listening to people from around the world was definitely the original spark for his interest in this wonderful hobby. Another favorite memory for both Jeff and Laura was going with Jerry to the TRW ham swap meet and surveying each aisle of treasures while listening to "ham speak" from all the attendees...although the most amazing part of that experience was Jerry's persuasiveness in getting two college kids up at 6am on a Saturday for an early arrival!

Upon graduating from LMU, as often happens, life became a "whirlwind" for the next 20-plus years with Jeff and Laura's marriage in 1997, a decade-long teaching stint followed by career changes to the Aerospace Corporation (for both!), the founding of a non-profit musical theater corporation (Music West, Inc.), several "home flips" (both personal residences that were not necessarily planned, and some nationwide investment properties), a cross-country move from the LA area to Virginia, and then the arrival of two wonderful children, Marlee (12) and Jack (7). Somewhere in there, the ham licenses lapsed, though the original licenses were kept hanging in the backyard "train station" (also doubling as the tool shed—and yes, model railroading is another favorite hobby!).

Marlee happened to be looking at those old licenses hanging on the wall one day in late 2020 and asked what they were. After a brief explanation and letting her know that Uncle Jerry was "one of the best in the field," she seemed to have a bit of interest in it. Then, ironically, almost eerily, there was a knock at the door just before Christmas

Continued on next page ►



Jack the train engineer and Marlee transforming an Altoids box into a transistor tester (with a little help from QST)

PVARC's Newest Ham Radio Family—Meet the Remingtons

► *Continued from previous page*

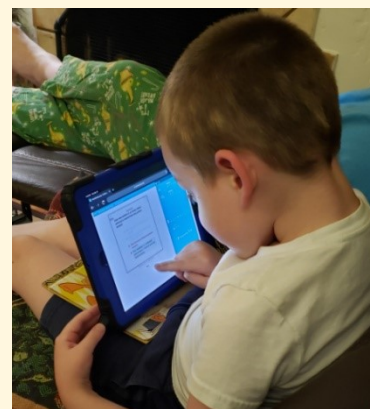
last year. It was a neighbor, Jess (WB6COF), who had himself been a ham for many years. Jess had with him a box of old radio equipment and said he had remembered that his neighbors had once been hams and asked if Jeff would be interested in getting the old equipment.

Not one to turn down an offer of old equipment or tools, of course Jeff was happy to have it. However, Marlee took one look at it and exclaimed, "I am SO getting my license now!", and the rest (at least the past 4 months!) is history.

The timing could not have been better—with the family's regular visits to Florida (and favorite place, Epcot Center) on indefinite hold due to the current pandemic, Marlee spent the majority of Christmas break on hamstudy.org. Originally Jeff and Laura had thought, "We'll follow along with her just to see how much we remember." Well, that quickly evolved into an all-out competition, to see who would be ready to test first! After many practice sessions and Zoom calls with expert NG6R (who, thank goodness, never seemed to tire of answering questions like "so what exactly is SWR again"?), Marlee tested first in early January, scoring a perfect 35 on the technician exam (The virtual test VE asked her, "So, are you ready for your General now?"), and Laura and Jeff followed just a week or so later with passing scores as well. And yes, the General was not far away; Laura and Marlee have achieved that level, and Jeff is getting close. Following Jerry's guidance, special "vanity" call signs were applied for and obtained: KA6JMR, KA6LJR and KA6MJR, with initials as suffixes.



Stormtrooper Jack: "There's one. Set for stun!"



Jack pondering a question on hamstudy.org

No one could have imagined how much fun and enlightenment would be experienced over the past four months of re-immersion into amateur radio. Seeing Marlee become so engaged in it has been a true gift as well—she is currently engaged in building an "Altoids tin can transistor tester" with parts supplied by Jerry and an article she read in **QST**! Even Jack, at age 7, has watched and learned (He will not hesitate to tell you that "Impedance is measured in ohms!"), and loves that he now has the "hamstudy" app right alongside his school "Zoom" apps. With Jerry providing an initial HF set up, and having a couple of socially distanced "antenna raising parties" (for a 2m vertical, 40m inverted V dipole, and most recently a Cushcraft R4 for the high bands), there is something new to discover or achieve each day in this new venture. Of course, for Jeff, trying to jostle for a couple minutes of FT8 time on 10m has now become the latest family challenge with Laura and Marlee now able to get on 20m and 40m FT8 at the General level—"what's 10m??" But having three hams under one roof (and a fourth ham coming along soon) is definitely one of those "nice problems to have"!

Continued on next page ►

PVARC's Newest Ham Radio Family—Meet the Remingtons



Cushcraft R4 vertical for 10/12/15/20m (40m inverted V dipole barely visible)

► *Continued from previous page*

The latest improvement was the recent move of the “shack” from the basement (where it began and lasted two months), upstairs to the center of the family rec room—no need to worry about bothering anyone with that “ham noise”! Jack followed quickly with his own station set up—constructed out of Legos (another favorite pastime), and complete with a Star Wars toy serving as his “antenna”! Jeff's mom Liz (sister of Jerry's wife Terri), has enjoyed walking by the station and seeing “what country or state we're getting now” which has led to nightly geography conversations at dinner...that is, once everyone arrives at the table. A familiar excuse for arriving a bit late to the dinner table has now become, “Hold on, I'm in middle of getting (*insert name of exotic DX entity here*), but he's only reading me at -20dB...give me a couple more tries!!”

Yes, chasing DX has started to become a main event here, although with young minds switching gears rapidly, Marlee has already decided she now wants to “activate” on a DXpedition!! The Braveheart might be in her future...

Continued on next page ►

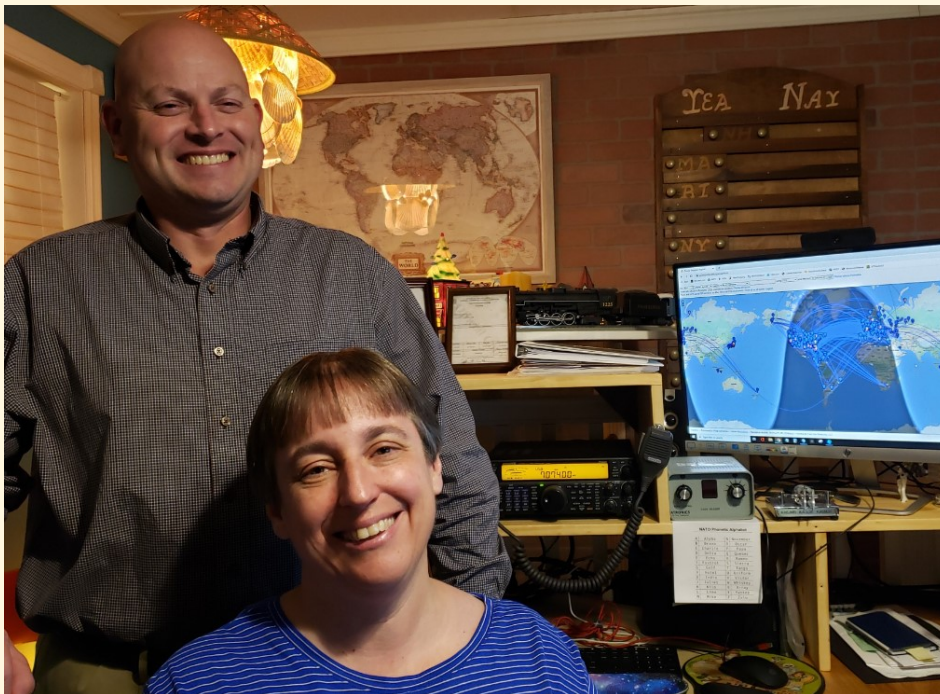


A family that reads QST together . . .

PVARC's Newest Ham Radio Family—Meet the Remingtons

► *Continued from previous page*

Overall, this has been a pure joy, truly an interest to keep the minds sharp and meet wonderful new people, particularly those in the K6PV club—what a welcoming group and such a wealth of knowledge! Laura and Marlee have already enjoyed listening to and participating in a few contests—most notably the “Last Man Standing” (KA6LMS) contest to commemorate the end of a favorite TV show by the same name (starring Tim Allen, who was also inspired to obtain his amateur radio license because of the significant presence of many hams among the show’s crew!) Many future years of stimulating growth and excitement in the world of amateur radio are eagerly anticipated...on that note, when does the boat leave for Catalina??!! ■



Jeff and Laura in their family “shack”

QRO Editor's Note

I greatly enjoyed reading the Remingtons' account of their amateur radio journey and thank them for sharing it.

In my view, ham radio is indeed a journey in life. It spans a continuum from offering narrowly-focused short trips to expansive explorations. Along the way amateur radio provides many opportunities for personal growth by learning about technology, other people, ourselves, service to our communities, and how these aspects intersect.

Regardless of your ham radio destination or the roads you take to get there...getting there is half the fun, if not more.

— Diana Feinberg, AI6DF ■

The Inverted Pyramid tackles new FCC RF exposure calculation

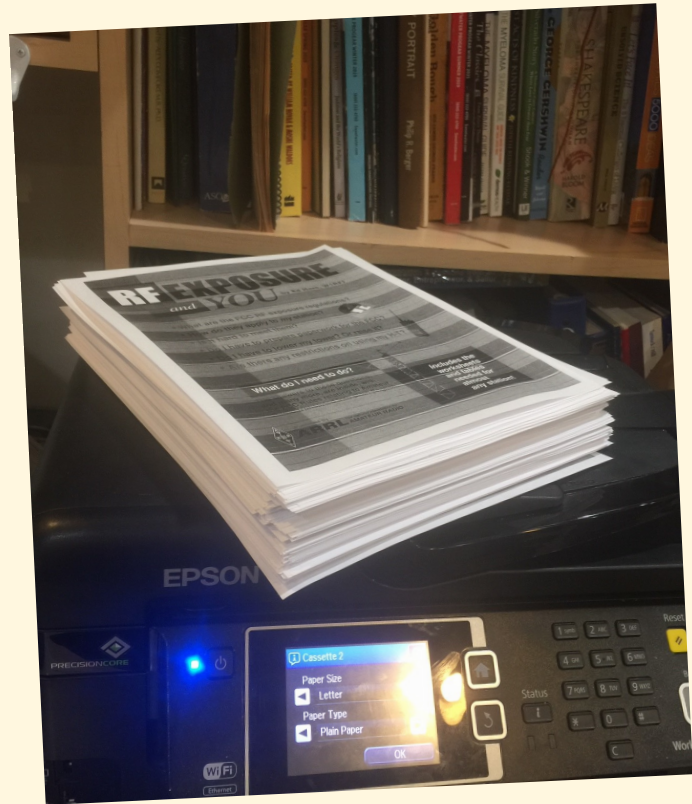
By Diana Feinberg, AI6DF
QRO Editor

Sadly, when “regulations” get written the Inverted Pyramid doesn’t get considered.

The Inverted Pyramid (illustrated below) is a writer’s metaphor for how a story/article/concept progressively drills down from its most important aspects to the least important. If only the recently-announced FCC RF safety calculation requirements had done this...a lot of confusion, anxiety, and reading of lengthy complex documents might have been eliminated.

Meanwhile, on April 27, 2021, the ARRL released a nice Frequently Asked Questions document that succinctly explains the FCC RF exposure changes (see: <http://www.arrl.org/files/file/Technology/RFsafetyCommittee/RFXFAQ.pdf>).

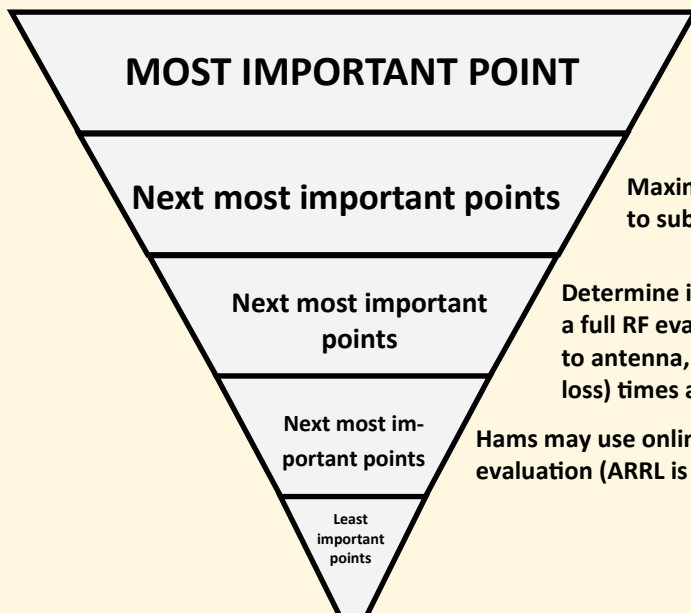
It turns out the changes taking effect May 3, 2021, are very minor for “most” of us. The RF exposure limits and calculations for hams haven’t changed; what changed are the Exemptions and situations requiring a full RF evaluation. Additionally the new rules bring all other FCC-licensed services to similar standards. Existing stations as of May 3, 2021, have until May 2023 to “comply” while any new or changed stations after May 3, 2021 (i.e., new antenna or TX power) need an immediate test.



Above: Our member Malin, KO6MD, reported nearly \$50 in ink cartridge and paper expense to print the recommended ARRL “RF Exposure and You” book onto 400 sheets. Or you could download and print the FCC’s 159-page Notice of Rulemaking and Order on RF exposure at: <https://docs.fcc.gov/public/attachments/FCC-19-126A1.pdf>

PHOTO: MALIN DOLLINGER, KO6MD

A Ham Operator’s “Inverted Pyramid” for updated FCC RF Exposure Rules



New: exemptions from full RF evaluation now based on freq., ERP, and distance from antenna—not just power at antenna below a certain level. Mobile transmitters no longer exempt; transmitters within 7.9 inches of body must be evaluated with Specific Absorption Rate (SAR modeling OK but hard for hams to do.)

Maximum Permissible Exposure and SAR limits unchanged. Hams not required to submit results to FCC unless asked or someone complains—but have ready.

Determine if station qualifies for an Exemption (less calculations) or is required to do a full RF evaluation (see tables on next page) based on closest distance of any person to antenna, frequency, and Effective Radiated Power=(transmit power less feedline loss) times antenna gain.

Hams may use online RF safety calculators in most cases when Exempted from full RF evaluation (ARRL is developing online tools)...just plug in values and print results.

One calculator: http://hintlink.com/power_density.htm

The Inverted Pyramid tackles new FCC RF exposure calculation

► *Continued from previous page*

Some calculations to consider:

Source: ARRL RF Exposure Rules presentation
By Gregory Lapin, N9GL
(Chair, ARRL RF Safety Committee)

RF evaluation required if Effective Radiated Power exceeds the Threshold ERP calculated in this FCC table (Person Distance is from any antenna radiating element):

Transmitter Frequency	Threshold ERP (watts)
0.30—1.34 MHz	$1,920 \times \text{Person Distance in meters}^2$
1.34—30 MHz	$3,450 \times (\text{Person Distance in meters}^2 / \text{Freq. in MHz}^2)$
30 — 300 MHz	$3.83 \times \text{Person Distance in meters}^2$
300 — 1500 MHz	$0.0128 \times (\text{Person Distance in meters}^2 \times \text{Freq. in MHz})$

No exemption from RF evaluation allowed if any human is less than these distances from the antenna:

160 m	82.8 feet
80 m	41.3 feet
75 m	38.8 feet
40 m	20.7 feet
30 m	15.5 feet
20 m	10.3 feet
17 m	8.8 feet
15 m	7.8 feet
12 m`	6.2 feet
10 m	5.2 feet
6 m	3.1 feet
2 m	1.0 foot
1.25 m	7.8 inches
70 cm	4.3 inches

Some useful information for amateur radio operators

Good news for those owning Bioenno lithium iron-phosphate batteries: Our Vice President Ray Day, N6HE, confirmed with Bioenno that their batteries may be full-time connected to their charger. Intelligent circuitry in the charger and battery allows ongoing charging without any ill-effects or hazards. The question arose at last month's EmComm Interest Group meeting.

A great free technical resource: Decibels are used for many electrical measurements. Taking the confusion out of decibels is an excellent downloadable Application Note from test equipment company Rohde & Schwarz: **"dB or not dB? Everything you ever wanted to know about decibels but were afraid to ask..."** It's available at: https://scdn.rohde-schwarz.com/ur/pws/dl_downloads/dl_application/application_notes/1ma98/1MA98_13e_dB_or_not_dB.pdf

There's also a companion Rohde & Schwarz free downloadable iOS app that converts dB into or from many other measures. Per the App Store, this app has five calculation tools:

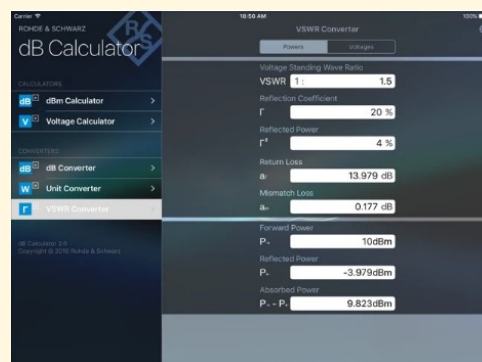
dBm Calculator: This tool helps to add and subtract an arbitrary number of power levels expressed in units of dBm and watts.

Voltage Calculator: This tool helps to add and subtract correlated and uncorrelated voltage levels.

Unit Converter: This tool calculates for an entry using a unit such as dBm, dBW, mW, W, mV, V, dBV, dBμV and dBu the corresponding values for all other units, for individual impedance values.

dB Converter: This tool converts linear power and voltage ratios to dB and vice versa.

VSWR Converter: This tool converts reflection quantities such as Voltage Standing Wave Ratio VSWR, reflection coefficient, reflected power, return loss and mismatch loss.



Do check these out. ■

PVARC dues waived for 2021...but you need to complete a membership renewal form to get your free membership

We say again...PVARC membership in 2021 is free for new and renewal memberships. Our Board of Directors voted to waive dues this year because the pandemic prevented us from spending 2020 dues on most planned activities. Whether you have an individual or family membership the 2021 free renewal requires completing and returning our membership form shown on page 13 of this **QRO** issue (print version) or using our new electronic version (a fillable/savable PDF file). The latter is found on our website at: http://www.n6rpv.net/n6rpvpage/pvarc/membership_form.pdf.

We still have ongoing expenses such as our liability insurance, video conferencing service, and PO Box. Any voluntary donations toward these will be greatly appreciated.

You may send your membership form to our Post Office Box address or scan and send it via email. ■

PVARC Club News

Become an ARRL member: Support amateur radio while increasing your learning

Please consider joining the American Radio Relay League (ARRL) if not 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 an ARRL-affiliated club requires at least 51% of club members also 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 a new member benefit: 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/ then click "Join/Renew." ■

Need a PVARC badge?

If you wish to order a new or replacement engraved PVARC badge please contact Gary Lopes at wa6mem@cox.net and he will make arrangements for your payment and sending your new badge. Badges currently 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.

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.)



During our period of virtual meetings if you would like a patch contact Diana, AI6DF, ai6df@arrl.net and we'll find a way to get your patch to you. ■

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:

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; Dave Turner, KM6LGX

Contacts:

QRO Editor: 310-544-2917, ai6df@arrl.net

Webmaster: 310-742-6123, kelvin@vanderlip.org

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 Meeting:

1st Thursdays at 7:30 pm via Webex
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

QRO is published monthly by the Palos Verdes Amateur Radio Club, ©2021 all rights reserved. For permission to reprint please contact PVARC at: k6pv@arrl.net

Front page photo — A new view...Pt. Vicente Lighthouse and cliffs on the afternoon of April 28, 2021.

PHOTO: DIANA FEINBERG, AI6DF

PVARC Club News

PVARC upcoming dates in 2021

- ♦ **PVARC monthly meetings online via Webex**
1st Thursday each month, 7:30-9:00 pm, except in December.
(in-person meetings will resume at Hesse Park's McTaggart Hall when permitted)
- ♦ **PVARC HF Enthusiasts Group meetings online via Webex**
2nd Saturday each month, 10:00 am to Noon
(in-person meetings at Palos Verdes Library main branch's Purcell Room will resume when permitted)
- ♦ **PVARC EmComm Interest Group online meetings via Webex**
3rd Saturday every month, 10:00-11:00 am or 11:00 am-Noon (varies with other radio events that day)
- ♦ **Walt Ordway, K1DFO, Technician and General amateur radio license classes at Hesse Park**
(Will resume when in-person classes at Hesse Park are permitted)
- ♦ **ARRL Field Day**, June 26-27 from your home or other safe location
- ♦ **Public service events**
(TBA as public health conditions allow)
- ♦ **PVARC 2021 Holiday Dinner**, Dec. 2 at Los Verdes Golf Course, Rancho Palos Verdes

Non-PVARC Events of Note:

- ♦ **W6TRW Swap Meet** *canceled until further notice.* Northrop Grumman Space Park, North Redondo Beach.
- ♦ **2021 Virtual International DX Convention, (Revised program and dates)** Saturday-Sunday, May 15-16. free. <http://www.dxconvention.com/> ■

WELCOME NEW MEMBERS OF THE PALOS VERDES AMATEUR RADIO CLUB IN 2020-2021

Jon Kuroyama, K6LDQ
 Ray Grace, WA6OWM
 Robert Keller, K9BGC
 Alex Marko, KD6LPA
 Erin Okada, KN6FYV
 Derek Okada, K6DMO
 Xing Yang, KN6FYX
 Stephen Anderson, KN6FZA
 Charles Tang, KN6FYY
 Ikue Duncan, KN6FYW
 Judy Frankel, KN6FYU
 Robert Sawyer, KG6SFQ
 Heidi Gransar, KN6HVG
 Bruce Ward, KN6HVI
 David Salazar, KE6GFR
 Ed Jenkins, K6EXY
 David Hostetler, W6OQ
 Robert Rodriguez, KN6FQL
 Yaniv Waisman, KN6HSJ
 Jeff Remington, KA6JMR
 Laura Remington, KA6LJR
 Marlee Remington, KA6MJR
 Dennis Lau, K5LAX

PVARC Calendar of Events

May 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4 PVARC analog weekly net on K6PV repeater 7:30-7:55 pm	5 PVARC DMR weekly net on K6PV repeater 7:30-7:55 pm	6 PVARC Monthly Meeting 7:30-9:00 pm via Webex	7	8 PVARC HF En- thusiasts Group Meeting, Webex, 10:00 am-Noon
9	10	11 PVARC analog weekly net on K6PV repeater 7:30-7:55 pm	12 PVARC DMR weekly net on K6PV repeater 7:30-7:55 pm	13	14	15 PVARC Em- Comm Interest Group Meeting, Webex, 11:00- Noon; Intl. DX Convention
16 Intl. DX Convention (Day 2)	17	18 PVARC analog weekly net on K6PV repeater 7:30-7:55 pm	19 PVARC DMR weekly net on K6PV repeater 7:30-7:55 pm	20	21	22
23	24	25 PVARC analog weekly net on K6PV repeater 7:30-7:55 pm	26 PVARC DMR weekly net on K6PV repeater 7:30-7:55 pm	27	28	29
30	31 Memorial Day	Major amateur radio contests, May 2021 Numerous State QSO Parties, CQ Worldwide Prefix CW Contest; and more. For full radio contest calendar see: https://www.contestcalendar.com/contestcal.html				



Palos Verdes Amateur Radio Club

P.O. Box 2316

Palos Verdes Peninsula, CA 90274

<http://www.k6pv.org>

Electronic fill & save PDF version of this form is 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 <input type="text"/>	First <input type="text"/>	Call <input type="text"/>	Class <input type="text"/>	ARRL? <input type="checkbox"/>
Last <input type="text"/>	First <input type="text"/>	Call <input type="text"/>	Class <input type="text"/>	ARRL? <input type="checkbox"/>
Last <input type="text"/>	First <input type="text"/>	Call <input type="text"/>	Class <input type="text"/>	ARRL? <input type="checkbox"/>

Membership fees are waived for 2021

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 PVARC.Membership@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>.



72nd International DX Convention

May 15-16, 2021

Virtual Meeting



43 : 05 : 51 : 12
Days Hrs Mins Secs

» Contact us

HOME

BREAKING NEWS

ATTENDEES

COMMITTEE

FAQ

PRE-REGISTRATION

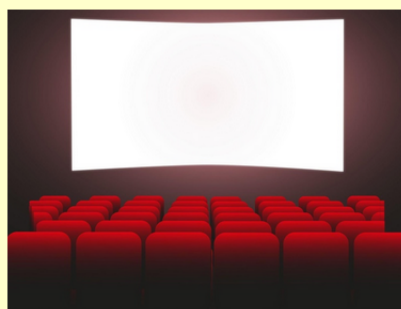
PROGRAM SCHEDULE

Visitors

2021 Virtual International DX Convention

REVISED DATES

Saturday, May 15, 2021 &
Sunday, May 16, 2021



For a variety of reasons, we have decided to shift IDXC 2021 to the new dates: May 15 & 16, 2021

IDXC 2021 Dates	
(Note: For the detailed schedule, click on Program Schedule on the sidebar menu)	
Saturday, May 15, 2021	Sunday, May 16, 2021
0700 - 1700 PST 1400- 2400 UTC 8 Invited DX-Related Webinars	0700 - 1700 PST 1400- 2400 UTC 8 Invited Exhibitor Webinars

What you can expect from IDXC 2021:

- A safe, front-row seat at IDXC 2021 without having to leave your QTH
- Pre-Registration is required but it is **FREE**
- Pre-Registration will begin on **Monday, April 18, 2021**
- We will be offering several door prizes -- which is why you need to pre-register.
- All Zoom Webinars will be recorded and posted to the NCDXC website at a later date
- There will be regular website updates over the next few weeks, as the program schedule is finalized, so check back often

We hope to see you for our virtual meeting in May !

73,
John Miller, K6MM
Rich Seifert, KE1B
Co-Chairs, IDXC 2021

Questions-Comments: info@dxconvention.com

IDXC 2021 is proudly sponsored by the Northern California DX Club

