



QRO

MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

JUNE 2018



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Understanding Current and Future HF Propagation Conditions

Carl Luetzelschwab, K9LA

“Show Us Your Shack” Rocco Lardiere, N6KN

Thursday, June 7, 2018

General Meeting: 7:30 pm
“What’s Next?” group: 6:30 pm

Fred Hesse Community Park
29301 Hawthorne Blvd.
Rancho Palos Verdes, CA 90275
Visitors Welcome

(PVARC pre-meeting dinners at the Red Onion Restaurant are discontinued but members are free to eat there or elsewhere on their own.)

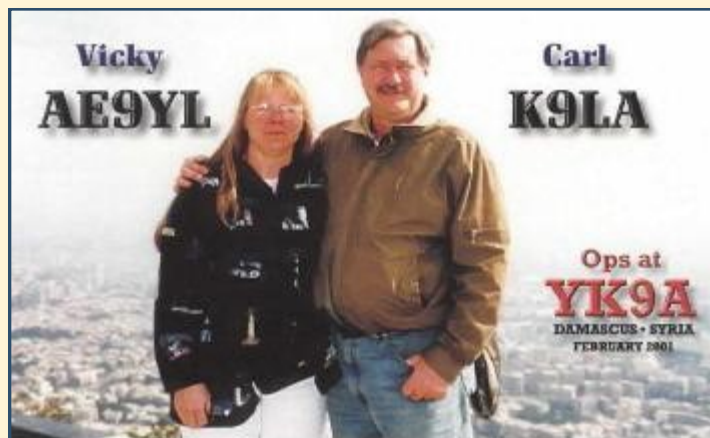
At our June 7 meeting, solar weather live from Ft. Wayne...

The PVARC's June 7 meeting at Hesse Park has two presentations our members will find interesting.

First, noted HF propagation authority Carl Luetzelschwab, K9LA, will present Current and Future HF Propagation Conditions live via Skype video from his home in Ft. Wayne, IN. Carl is a frequent presenter at the International DX Convention in Visalia, Dayton Hamvention, and other ARRL-sanctioned ham conventions. He holds BS and MS degrees in electrical engineering from Purdue University and worked 41 years as an RF engineer initially for Motorola and then at Raytheon (previously Magnavox Electronic Systems) in Ft. Wayne. Carl currently serves as the ARRL Central Division's Vice-Director (covering Wisconsin, Illinois, and Indiana Sections). His wife Vicky is also a ham, AE9YL.

As we near the bottom of Solar Cycle 24 and await the start of Solar Cycle 25 Carl will explain the relationships between sunspot numbers, solar flux, and ionizing radiation; what's been happening recently with solar weather; and what we might expect during the next several years. Carl also maintains an extensive website offering his solar weather expertise, visit: <http://k9la.us/index.html>

Our Hesse Park meeting room will have two projectors and screens in simultaneous use: one screen will show Carl speaking live and the other his PowerPoint slides.



...and from Rancho Palos Verdes: Our fellow member Rocco, N6KN, shows us his extensive ham shack and radio collection



Our June meeting's second presentation features our member Rocco Lardiere, N6KN, showing us his expansive amateur radio station. Rocco collects and refurbishes classic ham radio equipment and his 20-minute video presentation will tour the N6KN ham shack. The photo at left from Rocco's qrz.com page shows a fraction of his working receivers, transmitters, and transceivers.

Also from Rocco's qrz.com listing:

"N6KN was first licensed as WN0DHz in 1962 at the age of 12. He moved to Portland, Oregon

in the 60's and was active as WA7DAC for several years. During college in Texas (Rice Univ, W5YG), he used WB5ADS. Moving back to California in 1972, he operated the UCLA club station W6YRA extensively and finally received N6KN, his current callsign. He is a retired electrical engineer, having worked for McDonnell Douglas, Boeing, United Launch Alliance, and the Aerospace Corporation. He was Chief Avionics Engineer for the Delta II and IV rockets, and his career has focused on launch vehicle and satellite avionics. . He operates a mix of CW, SSB, and AM from 1.8 through 432 MHz. " ■

PVARC's upcoming meeting topics...

At our July 5th meeting Bob Brehm, AK6R and Chief Engineer of ferrite-choke manufacturer Palomar Engineers in San Diego County, will speak about "The Secrets of End-Fed Wire Antennas." He will explain how to effectively match the high-impedance of these simple antennas with your radio and how to best utilize them. Bob has over 50 years of ham experience with interests in contesting, RTTY, amplitude modulation, vintage radio restoration, boat anchors, linear amps and unique antennas. Bob is often asked to speak at conventions and radio club meetings about RFI, antenna matching, using baluns/ununs, stealth antennas, amplitude modulation, RTTY/digital modes, ESSB, ham radio on boats, and a variety of other subjects.

There's no monthly meeting in August...instead we have our annual family picnic at Pt. Vicente Lighthouse on Sunday, August 19, during International Lighthouse & Lightship Weekend. More information to follow.

Our September 6th monthly meeting has Tim Coker, N6WIN, speaking about "The Reverse Beacon Network" which many contesters and DXers use to check propagation conditions.

And back for an encore later in 2018....

Show Us Your Shack

We still seek four to six PVARC members to briefly (in 10-15 minutes) present their home amateur radio station, a portable ham station, or some kind of amateur radio project that fellow club members might find interesting. Have something you feel worthy of presenting at a future meeting? Contact our Vice President Ray Day, N6HE, at rayday@cox.net and let him know. ■

Other PVARC upcoming dates in 2018

- ◆ **PVARC monthly meeting at Hesse Park, McTaggart Hall**
1st Thursday each month, 7:30-9:30 pm, except in August and December
- ◆ **HF Enthusiasts Group meetings at Palos Verdes Library, Peninsula Center (Purcell Room)**
2nd Saturday each month, 10 am to Noon, except December
- ◆ **Walt Ordway, K1DFO, amateur radio license classes at Hesse Park**
August 4 and 11; November 3 and 10; license exams Sat. after 2nd class dates
- ◆ **Field Day at Soleado Elementary School, Rancho Palos Verdes**
Saturday-Sunday, June 23-24
- ◆ **International Lighthouse & Lightship Weekend at Pt. Vicente Lighthouse**
Friday-Sunday, August 17-19; PVARC Family Picnic at the Lighthouse, Sunday, August 19
- ◆ **Public service events:** Rolling Hills Estates Hills Are Alive 10K/5K, August 11; Conquer the Bridge Run/Walk, September 3; Palos Verdes Half Marathon, November 17. TBD: RAT Beach Bike Tour.
- ◆ **PVARC Holiday Dinner: Los Verdes Golf Course, Rancho Palos Verdes**
Thursday, December 6

Our K6PV repeater needs more use...or 447.120 MHz might seem an abandoned frequency pair to someone else

By Diana Feinberg, AI6DF
PVARC President

The expression “Use It Or Lose It” applies to many things in life. But now it’s especially true for coordinated ham radio repeaters in Southern California, including our club’s K6PV.

We now encourage more K6PV repeater usage to ward off another group apparently eyeing our 447.120/442.120 MHz fre-

quency pair. Currently no coordinated frequency pairs are “available” in much of Southern California for new repeaters on either 2-meters, 220, or 440. However, many organizations are actively seeking repeater coordinations for either a first or additional repeater. Their only effective approach for official coordination is by searching for what appears to be a quiet frequency pair, test it, and make a case to the respective repeater coordination board how the frequency pair is no longer used by whoever it was coordinated to. Adding fuel to the current fire: it’s never been easier on the technical side to set up an amateur repeater.

Lately someone installed an uncoordinated UHF repeater on 447.120 MHz, testing the waters and hoping for no other activity there. So please use K6PV more often to maintain our airwave presence. Try using K6PV while out for a walk, driving your car (be sure to use with a wired microphone and mounted radio), or from your home. Besides K6PV there is only one other officially coordinated Southern California repeater on 447.120 MHz — it is atop 7,933-foot Snow Peak on the San Bernardino/Riverside County line above Banning.

Yes, everyday amateur radio repeater use has declined sharply in most U.S. areas over the past 15 years due to other communication media and more recently some concerns about mobile operating. But repeaters are vital disaster communication resources and we pledged K6PV to the City of Rancho Palos Verdes’ PVAN radio group for its emergency communication. PVAN also has its city-owned N6RPV repeater atop San Pedro Hill, though it has some coverage issues on the Peninsula’s north and northeast sides.

I will make a concerted effort to use K6PV more often in the weeks and months ahead. I hope you will too. ■



In Memoriam

John Dailey, W6EGR (SK)

Shortly after issuing our May 2018 **QRO** newsletter we learned long-time PVARC member John M. Dailey, W6EGR, became a Silent Key on August 24, 2017. John’s family reported he passed away peacefully at his Rancho Palos Verdes home, just short of his 98th birthday. He became an amateur radio enthusiast in the late-1920’s while growing up in Wenatchee, WA—the Apple Capital of The World. John had been a PVARC member since the mid-1980’s and son Marc said his dad’s love for ham radio never faulted. Although John’s health in recent years prevented him from attending our monthly meetings—or engaging in many amateur radio activities—he, his family, and his caregivers together would attend our Holiday Dinners at the Ports O’Call Restaurant in San Pedro. We will miss John and his friendly on-air moniker, W-6-Easy-Going-Radio. ■

PVARC's HF Enthusiasts Group shows its eclectic nature — The next meeting is June 9 at PV Library main branch

The PVARC's HF Enthusiasts Group (drop-in any time) meets next on Saturday, June 9, from 10:00 am to Noon in the Palos Verdes Library main branch near Peninsula Center. Group meetings are in the Purcell Room located in the corner behind the Reference Desk. Anyone is welcome to attend.

At the May 12 HF Group meeting 11 attendees had a variety of topics they discussed—or showed.

Among other things last month, Bob KE6JI showed his Hallicrafters SX-99 receiver (we call these big boxes “boat-anchors”); Bob AB6SY mentioned his new Flex 6400M while Ray N6HE showed screenshots for application interfaces between his Flex 6600 and N3FJP software, CW, MMTTY, Writelog CW and RTTY, and WSJT-X. Jerry NG6R discussed a troubleshooting situation involving the Flex 6600...a model which Clay AB9A also recently acquired.

Perhaps the star of last month's meeting was Rick, KM6GXZ, who demonstrated his clever home-built clock that keeps 24-hour time by using three moving analog meters to continuously indicate the hours, minutes, and seconds.



Also attending were Don, KD6UMC, Don WG6E, Mike AF6VT, Neal N6YFM, and Mark (our apology, your **QRO** Editor did not receive the call sign.)

We hope you can attend the June 9th HF Group meeting. Please note the Palos Verdes Street Fair also on June 9th will close Norris Center Drive between Silver Spur Road and Indian Peak Road. We suggest you approach the Library from its east side along Deep Valley Drive from the Bristol Farms/ Post Office area and park on the library roof. ■

What time is it? At the May 12th HF Enthusiasts Group meeting Rick Heaston, KM6GXZ, demonstrates his home-brew 24-hour clock built from three analog meters that continuously indicate the hours, minutes, and seconds.
PHOTO: RAY DAY, N6HE

PVARC's 2018 ARRL Field Day is June 23-24 at Soleado Elementary School in RPV

Mark your calendar for this year's ARRL Field Day: We'll be on the air nonstop from 11:00 am Saturday, June 23, to 11:00 am Sunday, June 24 (plus three hours for setup and two hours for take-down) on the athletic field at Soleado Elementary School, 27800 Longhill Drive, in Rancho Palos Verdes.

Our 2012-2017 Field Day site at Ridgecrest Intermediate School wasn't feasible in 2018 because that campus will be closed during the summer months for a major electrical system upgrade project.

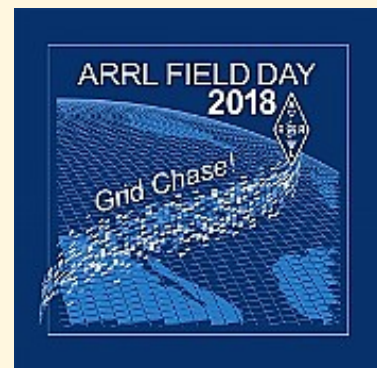
The PVARC's Field Day operation will again be a class 2-A operation with:

- ◆ CW station (operators so far: N6KN, K6JW, NG6R, possibly WA6MEM and AB9A)
- ◆ SSB station (operators and loggers needed, including during the overnight hours)
- ◆ VHF/UHF "bonus" station, Saturday daytime only (KE6JI)
- ◆ Get On The Air SSB station, Saturday daytime only (operating with separate call sign, KA6WNK, under guidance of Chris Storey—per FD rules.) If you would like to get experience operating on the HF bands this station is for you.

The exchange we give with each contact is still "2-Alpha, Los Angeles" by voice or "2A LAX" using CW.

We also need member help to get our stations operational in just three hours Saturday from 8:00 am until the Field Day contest begins at 11:00 am. Field Day rules allow sites to begin setup on Friday afternoon (and guard their equipment overnight) but our permit to use Soleado calls for us to set-up on Saturday morning. In many respects our three-hour 'hurry-up' setup window is more consistent with an emergency operation.

Your **QRO** Editor along with fellow member Gary Lopes, WA6MEM, will be driving nearly 250 miles for ARRL on June 23 visiting as many Field Day sites as possible within the Los Angeles Section. We'll have a short video at our July monthly meeting showing all these sites besides K6PV. Continued on next page ►



This year's ARRL Field Day logo.

COURTESY: ARRL WEBSITE



Above: Soleado Elementary School in Rancho Palos Verdes is this year's PVARC Field Day site during June 23-24. Soleado has excellent clear antenna paths from northwest to southeast covering the entire continental U.S. and Canada.

PHOTO: GOOGLE EARTH 3D IMAGE

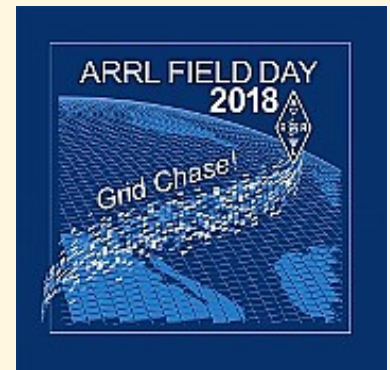
PVARC's 2018 ARRL Field Day is June 23-24 at Soleado Elementary School in RPV

► Continued from previous page

This year our CW station will use the PVARC's multi-band hexbeam antenna atop the club's tower trailer and our SSB station will use our 20-meter single band hexbeam (donated by Doris Hughes, K6KSY) as we do not expect 15- or 10-meters to be productive on phone. We will use wire-dipoles for both 80- and 40-meters on both CW and phone.

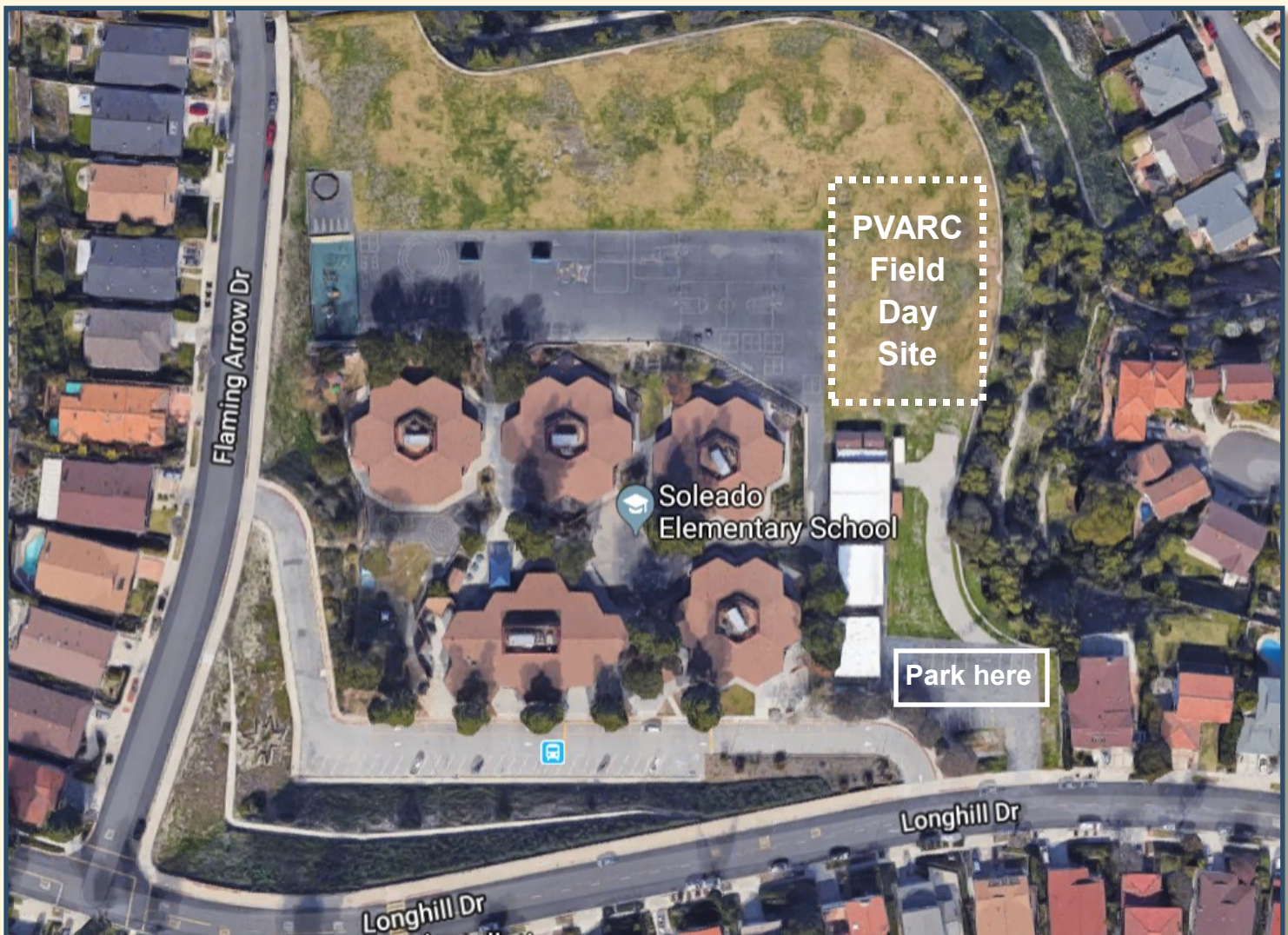
Our VHF/UHF station will have a small 6-meter beam and small log-periodic antenna for 2-meters/440 (in horizontal polarization for SSB use on these bands.) The GOTA station will also use wire-dipoles.

We'll have updated information about Field Day in our Weekly Bulletins sent by email each Tuesday. Stand by for more info...and we hope to see you at Field Day. ■



This year's ARRL Field Day logo.

COURTESY: ARRL WEBSITE



Above: Our Field Day site is on the eastern edge of Soleado Elementary School's athletic field. Park in the staff parking lot off Longhill Drive (note: the staff lot has a separate driveway entrance from the school's main entrance.) During our set-up and take-down only a limited number of vehicles will be allowed onto the field. PHOTO: GOOGLE EARTH IMAGE

Pt. Vicente Lighthouse's Fresnel lens to be removed and put on display at PV Interpretive Center, replaced by LED lighting

In the works for several years... Sometime later this year Pt. Vicente Lighthouse's Fresnel lens will go dark for the first time since World War II. This massive lens will then be painstakingly disassembled in the lantern room atop the Lighthouse with each piece of brass or glass carefully brought down the narrow twisting staircase for re-assembly as a permanent display inside the neighboring Pt. Vicente Interpretive Center.

The Pt. Vicente Lighthouse lens is being replaced with a high-intensity light-emitting diode array continuing the trend of retiring Fresnel lenses at other West Coast lighthouses. For example, the Pt. Arguello Lighthouse Fresnel lens (replaced with LEDs) is now on permanent display at the Santa Barbara Maritime Museum; the massive Pt. Sur Lighthouse 1st-order Fresnel lens (replaced with a rotating aero beacon) is on permanent display at Monterey's Allen Knight Maritime Museum; and Pt. Fermin Lighthouse's Fresnel lens that went dark permanently in January 1942 is on display at the Los Angeles Maritime Museum (6th Street and Harbor Blvd. in San Pedro).

Pt. Vicente's 3rd-order Fresnel lens, built in 1910, was reportedly at a lighthouse in Alaska before moving to Pt. Vicente in 1926. The exact weight of Pt. Vicente's lens isn't available but 1st-order (the largest) Fresnel lenses are known to weigh 3,500 to 4,000 pounds with their massive brass frames and glass prisms throughout. ■

Below: Pt. Vicente Lighthouse shows its prismatic colors at dusk on May 28, 2018, when photographed using a 6-point star filter. PHOTO: AI6DF



Above: The Fresnel lens—massive brass clamshell frames studded with prisms—atop Pt. Vicente Lighthouse is nearly seven feet tall including its motor base. This picture was taken August 21, 2011, during the PVARC's 2011 International Lighthouse & Lightship Weekend. After the 2012 ILLW the lens room (and later the entire lighthouse) went off-limits to visitors due to Coast Guard safety and environmental concerns. PHOTO: DIANA FEINBERG, AI6DF

Announcement from the City of Rancho Palos Verdes, May 23, 2018:

Starting June 1, 2018, the Point Vicente Interpretive Center will be preparing for two brand new exhibits. One of the new exhibits will feature information on whaling, which took place in Portuguese Bend in the 1860's. The second exhibit will highlight the historic 3rd order Fresnel lens from the Point Vicente Lighthouse. The lens is being replaced with an LED and the City of RPV has an amazing opportunity to feature the Fresnel lens at PVIC.

Due to the nature of the work a portion of the museum will be closed and no public access will be permitted in that area. The lobby exhibits, banquet room, gift shop and park grounds will remain open to the public.

We anticipate reopening the exhibit area in September.

For updates and more information please visit: <http://www.rpvca.gov/1095/PVIC-Phase-II>.

Two-meter mobile/base transceiver — free to a qualified new ham, donated by Jerry NG6R



Stock photo

The Icom IC-228A is an older well-built 2 meter FM mobile (or base station) transceiver. Outputs 21 watts in high power setting or 5 watts in low power setting (both measured values). The multi-colored backlit LCD display is readable over a wide range of lighting conditions. Radio has 20 memories and priority watch. It also has programmed scanning or memory scanning. Radio requires 13.8 VDC at 6.0 Amps. Comes with HM-14 DTMF microphone and it has PL and tone squelch capability—great for local repeaters. A few scratches on the top but works OK. Comes with copy of operator's manual.

FREE to a qualified new ham meeting these criteria (i.e. not for sale):

1. A PVARC member
2. Licensed less than two years
3. Owns no more than one other ham radio
4. Can put to personal use immediately (owns or is prepared to acquire DC power supply and antenna)

First qualified Club member gets it! (Donor **Jerry, NG6R** is in the Club roster and also **QRZ.com.**)

May relax criteria if no qualified takers. ■

PVARC Club News

International Lighthouse Weekend plans awaiting approval

The PVARC is anticipating U.S. Coast Guard approval of our application to use the Pt. Vicente Lighthouse grounds during this year's International Lighthouse & Lightship Weekend, August 17-19. Our fellow member Bob Closson, W6HIP, is coordinator of our Lighthouse Weekend activity and prepared our request. If approved we will also hold our annual catered family picnic on Sunday, August 19. ■

Steve, KI6TEQ, to coordinate PVARC's Half Marathon coverage

We thank fellow member Steve Collins, KI6TEQ, for becoming coordinator of the PVARC's radio coverage at this year's Palos Verdes Half Marathon on Saturday, November 17.

Starting in early Fall he'll be seeking radio operators to fill the various positions along the course. Steve has operated during PVARC's radio coverage at many Palos Verdes full and Half Marathons, the 62-mile RAT Beach Bike Tour, the Labor Day "Conquer the Bridge" race across the Vincent Thomas Bridge, and other PVARC public service events. ■

Amateur Extra license course in Long Beach during October

It's rare to find classes for the Amateur Extra license. But if you can spare four Saturdays this October and engage in several months of advance self-study there's such a course at the American Red Cross building in Long Beach.

Mark Chung, MD, KK6SMD, will teach this Extra course on Saturdays October 6, 13, 20, and 27 from 8:00 am to 5:00 pm each day. The \$75 fee includes handouts covering all 712 Amateur Extra questions, breakfasts, coffee, snacks, and cost for using the Red Cross facility. Mark KK6SMD is our ARRL Los Angeles Section Asst. Section Manager—Education. To register send your name, address, and check to:

Mark Chung, MD Questions?
Box 575 mchung@prodigy.net ■
13337 South Street
Cerritos, CA 90703

Palos Verdes Amateur Radio Club

An American Radio Relay League Affiliated Club

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Vice President	Ray Day, N6HE
Treasurer	Peter Landon, KE6JPM
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	Gary Lopes, WA6MEM
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Contacts:

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

Webmaster: 310-742-6123, kelvinvanderlip@gmail.com

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 August and December) 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"):

Club: K6PV, 447.120 MHz (-), PL 100.0, CTCSS
"PV-West": K6IUM, 449.980 MHz (-), PL 173.8, CTCSS

To order a Club badge:

Gary Lopes, WA6MEM, gary@wa6mem.com

To order a Club jacket or patch:

Dave Scholler, KG6BPH, 310-373-8166

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Front page photo — Pt. Vicente Lighthouse on Sunday, May 6, 2018, with the last rays of light about 50 minutes after sunset.
PHOTO: DIANA FEINBERG, AI6DF

PVARC Club News

Something new...

“What’s Next?”– no-stress, no-pressure help for our newer hams

Did you recently obtain your amateur radio license and wonder what to do next? Or you’ve had your license for several years and want to know more about avenues in amateur radio? Come to the PVARC’s “What’s Next?” gatherings at Hesse Park anytime from 6:30-7:20 pm just prior to our regular monthly meetings and ask for help with any question. We’re here to assist in a no-stress manner—and no ham radio-related question is considered “dumb” to ask.

Led by Ray Day, N6HE; Bob Millard, KE6JI; and Ron Wagner, AC6RW, we can help hams better understand how to operate their radios (and/or help purchase the best one for their budget.) We can also provide help on other ham radio subjects, whether for VHF/UHF bands or HF bands; public service or DXing/contesting, or ???

Among the most frequently asked questions by new hams are “Which radio to buy?” and “How do I program my radio?” If you have others we’re glad to help with those too. Look for Ray, Bob, and Ron off to one side of our room at Hesse Park while setup is underway for the main meeting. ■

Helpful guidelines when submitting QRO articles

Our **QRO** newsletter welcomes articles about technical subjects and PVARC member activities.

To facilitate layout and editing please send your article as two separate files: 1) all the text as a straight Microsoft Word file and 2) any photos, illustrations, or diagrams in a second file or as separate JPEG files. If possible please keep the text portion to not exceed 800 words. ■

QRO’s Dept. of Errors and Omissions

We strive for 100% accuracy in each issue but if you notice any errors or omissions in **QRO** please advise your **QRO** Editor, Diana AI6DF, at: ai6df@arrl.net. ■

WELCOME NEW MEMBERS OF THE PALOS VERDES AMATEUR RADIO CLUB IN 2017-2018

Pamela Gaume, KM6MMJ

Vincent Reher, KM6LGT

Bernadette Sabath, KM6SAB

Zvika Golan, KJ6LHL

Fred Cook, KE6AZB

Jeff Wolfe, KM6GYB

George Nestojko, WA6YBR

Irene Turner, KM6LGU

Dave Turner, KM6LGX

Don Wilt, WG6E

Don Putnick, NA6Z

George Rizkalla, KM6OXX

Alfred Visco, KM6OPB

Noel Park, KM6OPA

Michael Leyba, KK6KCH

John Tsohas, KM6OPE

Gregg Perkins, KM6OPD

Thomas Wynne, KM6QVW

Frank Attenello, KM6QVU

Debra Shrader, KM6QVX

Daniel Shrader, KM6QXC

Baldomero Fernandez, KM6QVV

Brian Keen, KM6QWC

Emanuele Rodrigues-Berardini, KM6QVZ

Neal Pollack, N6YFM

PVARC and Local Event Calendar

June 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5 PVARC Weekly Net, 7:30 pm, on K6PV & cross-link	6	7 PVARC's June meeting, 7:30 pm; "What's Next" group, 6:30 pm, Hesse Park	8	9 HF Enthusiasts Group meeting, Purcell Room of PV Library main branch, 10 am—Noon
10	11	12 PVARC Weekly Net, 7:30 pm, on K6PV & cross-link	13	14	15	16
17	18	19 PVARC Weekly Net, 7:30 pm, on K6PV & cross-link	20	21	22	23 ARRL Field Day (Soleado Elem. School, RPV)
24 ARRL Field Day (Soleado Elem. School, RPV)	25	26 PVARC Weekly Net, 7:30 pm, on K6PV & cross-link	27	28	29	30 W6TRW Swap Meet, Northrop Grumman lot, Redondo Beach

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 4 August and 11 August 2018

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

General 1:30 PM to 5:00 PM both Saturdays

The FCC tests will be 10:00 AM to noon on 18 August 2018

At the start of the 4 August 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.

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,

\$22 for the Technician and \$26 for the General

Paper copy of Walt's Power Point charts,

\$22 for the Technician and \$22 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.n6rpv.net/pvarc or k6pv.org

NEW MEMBER & 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 (\$15.00) \$ _____

Household and/or Family membership (\$20.00) \$ _____

Additional donation to support PVARC activities \$ _____

Cash: _____ or Check #: _____ Date _____ TOTAL \$ _____

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

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/pvarc/constitution.htm or upon request.)

Signature: _____ Date: _____

Family Member Signature: _____ Date: _____

Family Member Signature: _____ Date: _____