



QRO

MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

MAY 2016

Creating a scalar network analyzer

The third time is often said to be “the charm.” At our May 18th monthly meeting fellow PVARC member Ron Wagner, AC6RW, is finally getting time to present his scalar network analyzer.

Ron was scheduled to give this presentation at our January meeting, then at our March meeting, but previous speakers’ talks those evenings didn’t allow time for Ron to speak.

An electrical engineer by training now working in the aerospace industry, Ron passionately enjoys creating and building electronic devices. We look forward to learning at last about his scalar network analyzer. Our video camera set-up will enable viewing device details on a big screen.

We hope you can attend this highly-informative presentation on Wednesday, May 18, at 7:30 pm and/or our pre-meeting dinner at the Red Onion Restaurant at 5:30 pm. ■

“A Scalar Network Analyzer”

Ron Wagner, AC6RW

Wednesday, May 18, 2016,
7:30 pm at Fred Hesse
Community Park,
29301 Hawthorne Blvd.,
Rancho Palos Verdes,
Visitors Welcome.

Optional no-host pre-meeting dinner from 5:30-7:00 pm in the Red Onion Restaurant, 706 Silver Spur Road, Rolling Hills Estates (no reservation required, order what you wish from the full menu.)

If you thought today's Technician license test became too easy, it became much harder to teach the class

**By Diana Feinberg, AI6DF
PVARC President and QRO Editor**

Like many South Bay hams, my radio introduction came from license classes fellow PVARC member Walt Ordway, K1DFO, teaches at Hesse Park four times each year. But it's only now--10 years later--I can appreciate the enormous effort Walt undertakes each time he teaches our license classes. And for that I must thank Walt profusely on behalf of our club.

You see, earlier this month I taught a Technician license class for the first time (actually it was a non-public class at a secure location for certain L.A. County employees). I found the preparatory work involved was extensive for developing slides covering all 403 possible questions, organizing and succinctly presenting the theory aspects, arranging for handouts to be made, bringing various ham equipment to the classes, and talking for three hours on each of two successive Wednesday evenings after driving 31 miles to get there. Yes, my entire Technician class was taught in just six hours—which perhaps was optimistic but a reality.

I didn't mind these preparations but I finally experienced the complexity that Walt K1DFO and other amateur radio instructors undertake to advance our hobby's ranks. Or to borrow from Murphy's Laws, "Nothing is as easy as it looks."

Some hams have derided recent Technician tests as being too easy. But such comments do not reflect changes in people's lives, technology, or economics that create a very different teaching environment.

For those holding full-time jobs it's a Herculean task sitting in ham radio classes after a full work day and battling L.A. rush-hour traffic to reach the class site. Work flows often continue after-hours and smartphones dutifully convey a situation that needs attention. Attention spans are shorter for most of us, too, while life has become more complex.

Technology has ironically made it harder to learn electronics. With application-specific integrated circuits and surface mount assembly being the norm fewer hams get involved with building/repairing electronic devices. And the laws of economics have taken over: as Economics 101 would remind us, it is now cheaper to have someone else or their efficient machine assemble your electronic devices than the opportunity-cost of your time plus buying parts at retail prices rather than manufacturers' bulk lot rates. More to the point, how do you explain what goes on inside a hypothetical integrated circuit vs. the narrow aspects of a discrete vacuum tube or transistor? Incidentally, the current Technician question pool has no questions on vacuum tubes and very few remaining on transistors. Vacuum tubes and transistors were still very much alive in the 2006 pool.

As I went through all 403 Technician questions in the current question pool they seemed so simple to me...but 10 years ago it was mostly new material. And so it was for my first students—a lot to digest in two sittings after full work days. And their instructor explaining it all in just six hours.

Thank you, Walt, for steering me on this path 10 years ago--and now I fully understand the effort it takes to teach amateur radio classes too. ■

PVARC 2016 Catalina Island DXpedition

2016 IOTA DXpedition braved high winds and noisy bands, but had fun

This year's six-member PVARC DXpedition team to Catalina Island was smaller than in previous years, but bigger in camaraderie.

At the PVARC's June 15th meeting DXpedition Team Leader Ray Day, N6HE, will present the story of this year's team that dealt with unusually high winds, noisy band conditions, and locally-generated RFI during April 27-May 1.

Ray's June 15th talk will highlight additional changes on the island from prior years' IOTA DXpeditions. Despite a few technical issues the 2016 team had some great achievements at Two Harbors—and a great time.

In addition to Ray, N6HE, as leader this year's team members were Bob Closson, W6HIP; Clay Davis, AB9A; Diana Feinberg, AI6DF; Mike Caulfield, AF6VT; and Steve Mandich, K6NT. These six members carried almost the same amount of radio gear brought by 10 to 12 members during previous trips.

Don't miss Ray's presentation on June 15--there's much more to learn and see than can be printed on these pages. ■



Above: Two red flags on Two Harbors pier flagstaff indicate gale force wind warning to mariners on Wednesday, April 27.

Below: "What the (four-letter word)?" Team members Bob, W6HIP; Clay, AB9A; Mike AF6VT; and Ray, N6HE, discover the hexbeam antenna wouldn't mate properly on the top mast section. A fix was later created.

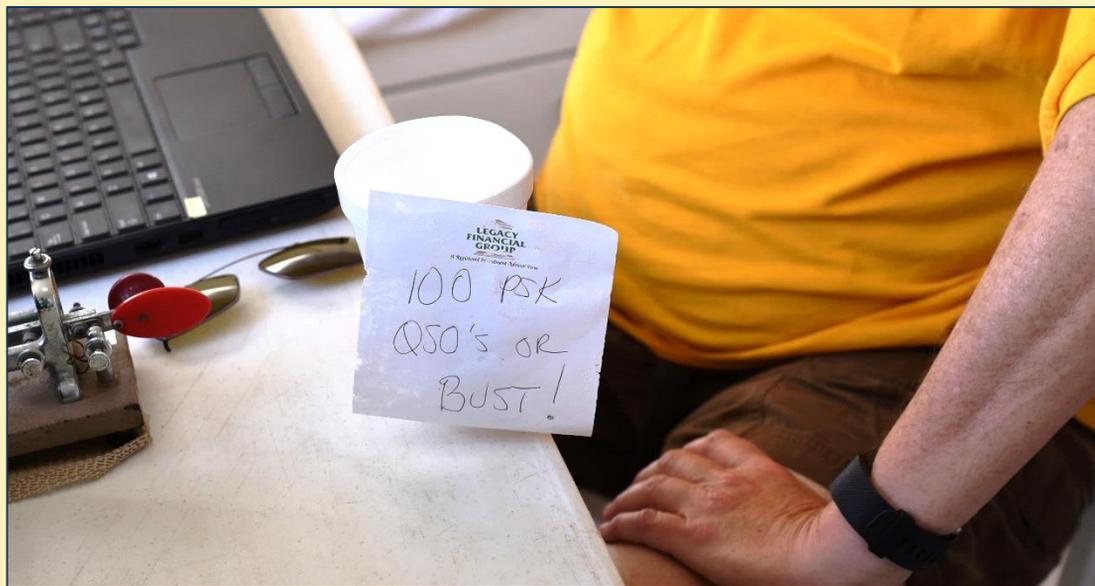
PHOTOS: DIANA FEINBERG, AI6DF



PVARC 2016 Catalina Island DXpedition, continued

Right: Mike, AF6VT, penned his determination to achieve at least 100 QSO's from Catalina using PSK-31. He did it!
PHOTO: DIANA FEINBERG, AI6DF

Below: Screenshot from Islands on the Air website "Activation History" page showing DX spots for K6PV/6 during this year's DXpedition.



[+] Wednesday 27 April 2016

- **DX Spot:** KS4WA spotted K6PV on [NA-066](#) at 22:59 UTC on 14263 kHz. *IOTA NA066 SANTA CATALINA ISLA*
- **DX Spot:** W7JKC spotted K6PV on [NA-066](#) at 23:31 UTC on 14263 kHz. *IOTA NA-066 SANTA CATALINA CA*
- **DX Spot:** AC8IL spotted K6PV/6 on [NA-066](#) at 23:48 UTC on 14263 kHz. *IOTA NA-066 QSB*

[+] Thursday 28 April 2016

- **DX Spot:** KB8ZGL spotted K6PV/6 on [NA-066](#) at 19:57 UTC on 14258.4 kHz. *IOTA NA-066*
- **DX Spot:** K4VBM spotted K6PV/6 on [NA-066](#) at 21:55 UTC on 14253.4 kHz. *IOTA NA-066 THNX DIANA*

[+] Friday 29 April 2016

- **DX Spot Summary:** 10 DX spots were made for K6PV/6 on [NA-066](#). [Show](#)
- **DX Spot Summary:** 1 DX spot was made for K6PV on [NA-066](#). [Show](#)
- **DX Spot Summary:** 1 DX spot was made for K6PV/P on [NA-066](#). [Show](#)

[+] Saturday 30 April 2016

- **DX Spot:** K6NA spotted K6PV/6 on [NA-066](#) at 13:37 UTC on 7041.4 kHz. *CW, NA-066*
- **DX Spot:** KD7H spotted K6PV/6 on [NA-066](#) at 13:43 UTC on 7041.5 kHz. *IOTA NA-066 SIMPLEX*
- **DX Spot:** W3ON spotted K6PV/6 on [NA-066](#) at 18:28 UTC on 18131 kHz. *IOTA NA-066 SANTA CATALINA ISL*
- **DX Spot:** N9TF spotted K6PV on [NA-066](#) at 18:53 UTC on 18131 kHz. *CATALINA ISLAND NA-066*
- **DX Spot:** NI0B spotted K6PV/6 on [NA-066](#) at 23:23 UTC on 18127 kHz. *SANTA CATALINA IS NA066*

[+] Sunday 1 May 2016

- **DX Spot:** N1LID spotted K6PV/6 on [NA-066](#) at 01:48 UTC on 18127 kHz. *IOTA NA-066*
- **DX Spot:** KF7AXB spotted K6PV on [NA-066](#) at 03:15 UTC on 14260 kHz. *IOTA NA-066*

PVARC 2016 Catalina Island DXpedition, continued

See the 2016 IOTA DXpedition story at the PVARC's June 15 meeting

Right: Waiting for a QSO in difficult band conditions Ray, N6HE, repeatedly calls CQ 20-meters. Bob, W6HIP (left), awaits logging.

Below: Ray, N6HE, and Steve, K6NT, hold an impromptu after-dinner talk outside the radio rooms while W6HIP inside works evening 20-meter SSB.

PHOTOS:
DIANA FEINBERG, AI6DF



Islands on the Air program shifts to non-profit company

From the ARRL Weekly Letter, 4/21/2016:

Following agreement with the Radio Society of Great Britain ([RSGB](#)), management of the Islands on the Air ([IOTA](#)) program has transitioned to "Islands on the Air (IOTA) Ltd," a new not-for-profit company. This entity will assume full responsibility for all aspects of the program. The company has been registered in the names of its current directors -- Roger Balister, G3KMA, and Stan Lee, G4XXI; a full board of directors will be established. "It will take a little time to carry through all aspects of the changed governance, but IOTA enthusiasts should be assured that the new company is fully committed to completing the paperless QSLing project that will allow electronic confirmation of contacts," Balister said. He added that no significant policy changes are anticipated.

Note: On an interim basis the IOTA website is still operated through the RSGB at:

<https://www.rsgbiota.org/index.php> ■

PVARC 2016 public service update: Ridgecrest 5K Run

The Ridgecrest Intermediate School 5K on Sunday, April 24, went well and so did PVARC's radio work.

This race started on Norris Center Drive, went up Indian Peak Road to Crenshaw Blvd., down Crenshaw Blvd, turned onto Silver Spur, and then up Norris Center Drive. Runners then did a second lap along the same route.

The 2016 race had nearly 750 runners, primarily kids from various schools in the PVP Unified School District. There were a few minor injuries but nothing that required being taken to a hospital. The fastest runner completed the 5K in around 20 minutes.

The radio communications team was Jay KI6FVY, David WA6PHS, Leroy WA6RO, Matthew N6MDC, Marty KF6VSY, Cynthia AG6NW, Herb KO6RC and Walt K1DFO. Two operators who had to cancel at the very last minute were Malin KO6MD and Thomas KK6ULM. ■

◆ PVARC's financial report is available upon request to any member.

Palos Verdes Amateur Radio Club

An American Radio Relay League Affiliated-Club

Board of Directors:

President	Diana Feinberg, AI6DF
Vice President	Laura Behenna, KK6BFI
Treasurer	Bob Sylvest, AB6SY
Secretary	Ron Wagner, AC6RW
Directors	Clay Davis, AB9A, Ray Day, N6HE
Past Vice President	Mike Caulfield, AF6VT

Appointed Offices:

QRO Editor	Diana Feinberg, AI6DF
Webmaster	John Freeman, WW6WW
Club Librarian	Bryant Winchell, W2RGG
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	Diana Feinberg, AI6DF
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:

Third Wednesday (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:

Karen Freeman, KG6BNN, 310-541-6971

To order a Club jacket or patch:

Dave Scholler, KG6BPH, 310-373-8166

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Front page photo —On a "May Gray" day, the Pt. Vicente Lighthouse shortly after sunset on May 13, 2016.

PHOTO: DIANA FEINBERG, AI6DF

ARRL Field Day is June 25-26 at Ridgecrest School: PVARC helpers, operators, and equipment needed

The PVARC is again holding its ARRL Field Day on the soccer field of Ridgecrest Intermediate School, 28915 Northbay Road, in Rancho Palos Verdes, during Saturday-Sunday, June 25-26. All PVARC members are encouraged to come by but we especially need members to help with set-up and radio operations during this 24-hour event.

We will be asking in upcoming Weekly Bulletins about generators, antennas, and tents that members could loan for Field Day 2016. We expect to again operate in the 2A Field Day category with plans still being finalized for operating a "Get On The Air" station. Mark your calendar for June 25-26. ■



Left: This year's ARRL Field Day 2016 logo design. Who would have thought of radio waves coming from a hiking boot?

Below: K6PV's hexbeam atop our antenna tower trailer during last year's Field Day at sunset on Saturday, June 27, 2015.
PHOTO: CHRIS STOREY, KA6WNK



PVARC Short News Items

The PVARC's upcoming meeting topics...and beyond

Our Past Vice President Mike Caulfield, AF6VT, and current Vice President Laura Behenna, KK6BFI, have lined up an interesting mix of meeting speakers for our upcoming monthly meetings in 2016.

Our **June 15, 2016** speaker will be Ray Day, N6HE, presenting the PVARC's late-May 2016 DXpedition to Catalina Island. This year's Islands on the Air DXpedition had a new date, different atmospheric conditions, smaller team, and a different operating plan while on the island. The 2016 DXpedition also took some unusual turns due to high winds, funky band conditions, and local electrical noise.

Lined up for our **July 20, 2016** meeting is PVARC member Chris Storey, KA6WNL, discussing the Los Angeles County Fire and Sheriff radio communication system.

We have no club meeting in August. Instead, we expect to hold our annual family picnic on the grounds of Pt. Vicente Lighthouse in conjunction with International Lighthouse & Lightship Weekend (subject to U.S. Coast Guard approval.)

Two of our Board members, Clay Davis AB9A and Bob Sylvest AB6SY, are working on a very exciting comprehensive presentation about "Solar Energy for Amateur Radio" at one of our Fall monthly meetings.

PVARC members Ray Day, N6HE, and Mike Caulfield, AF6VT, spoke in Signal Hill about the HF digital modes PSK31 and JT65 at the Associated Radio Amateurs of Long Beach monthly meeting on Friday, May 6. We understand they received a great reception to their presentations.

Do you have a technical presentation topic that might be of interest to fellow PVARC members? Please let our Board know. ■



Need a PVARC patch?

If you want a PVARC logo patch for a hat, shirt, jacket, soft-side bag or whatever we have a new batch with higher-resolution stitching.

New patches are available for \$4 each at all our meetings or by contacting Dave Scholler, KG6BPH, at 310-373-8166 (or email him at: jdavidscholler@hotmail.com .) If you order a PVARC club jacket one patch is sewn onto the jacket's left front and included in the cost. These jackets may also be ordered through Dave Scholler. ■

PVARC News Items

Is there a PVARC Interest Group in your future?

To better serve our members' radio interests the PVARC recently started its "HF Enthusiasts Group" on the 2nd Saturday each month (contact Ray Day, N6HE, at rayday@cox.net if interested.) We are now considering a second interest group to meet monthly or bi-monthly as an "Emergency Communications Interest Group."

Please advise Diana, AI6DF, at: ai6df@arrl.net if interested in the Emergency Communications Interest Group. Six members already expressed interest. We would like a better indicator of interest to ensure group feasibility and the appropriate meeting room size. More info will follow. ■

Have a ham radio item for sale or donation?

If you wish to sell an amateur radio device or donate it to another club member please advise your QRO Newsletter editor. We'll list your item free of charge. ■

Helpful guidelines when submitting QRO articles

Our QRO newsletter welcomes articles about technical subjects and PVARC members' amateur radio activities of interest to fellow club members.

To facilitate layout and editing using the software that produces QRO 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. Thanks! ■

WELCOME NEW MEMBERS OF THE PALOS VERDES AMATEUR RADIO CLUB

IN 2015-2016

GARY FORISTER, N6HMR
 TREVA FORISTER, N6HMS
 PATRICK GARVEY, K6PDG
 DAVID HARMON, KE6OJN
 JOHN JENSEN, KK6CYU
 JAMES NADAL, WA6RYA
 ENDAF BUCKLEY, KG6FIY
 DARIN JAMES, KK6QLW
 ANTHONY BURNS, KK6SPH
 KATHY HAYNES, KK6SPG
 ROBERT MILLARD, KE6JI
 DAISY MILLARD, (XYL) KE6JI
 J. BRANDLIN, KK6TXM
 THOMAS BACALJA, KK6ULM
 GREG LUND, AI6IV
 CANDACE KAWAHARA, KK6ULN
 TIM MEADOWS, KK6ULL
 JOHN CASHEN, W5UG
 (RETURNING MEMBER)
 INGO WERK, KK6EWB
 JONATHAN GREEN, KK6VWK
 SAEHUI HWANG, KM6BCO
 MARK CHILDIR, KM6BCL
 DALE GEHR, KM6BCI
 ROMYLEEN MITRA, KM6BCJ
 NICHOLAS KOWALCZYK, KM6BCN

More (electrical) power to you...

By Diana Feinberg, AI6DF
QRO Editor

While some “fears” allege detrimental effects on the human body from low-power RF sources such as cellphones it’s now becoming clear that incidental RF energy could also be a life-saver.

How’s that? One of the more fascinating concepts arising from radio transmitting is the once far-fetched idea that radio waves could be harvested to produce power. It’s actually closer to reality and someday might provide backup power to the critical devices we rely on.

In April 2016 the latest development came from researchers at the University of Washington who announced a new very low-wattage computer that entirely derives its power from radio waves--not any battery or external power supply. This computer uses sensor capabilities of RFID chips to gather its electricity. It’s believed such technology might eventually provide backup power to cell phones, tablet computers, “life-alert”, and fuel the nascent “internet of things” if battery power is unavailable. An article about this recently appeared on several websites, including: <http://thehackernews.com/2016/04/radio-wireless-power.html>

In 2011, researchers at Georgia Tech (alma mater of our fellow member Ray Day, N6HE) found ways to harvest RF energy through inkjet printing on paper where nanoparticles had been mixed with the inkjet ink. The printed areas were capable of capturing weak electrical fields from incidental RF signals in the 100 MHz-15 GHz range; adding a small capacitor might allow storing some of this power. The resulting stored power might suffice for devices that intermittently draw current, such as a timed-sensor. Articles on this development appeared in several sources, such as: <https://www.elektormagazine.com/articles/tapping-energy-from-radio-waves> and <http://arstechnica.com/science/2011/07/new-devices-convert-large-variety-of-electromagnetic-waves-to-power/>

While full-fledged harvesting of electricity from RF energy around us is still in the future, solar energy technologies continue to evolve in very practical ways. The annual price drops in monocrystalline solar panels since 2006 appear to have bottomed but the price per watt keeps dropping as panel and charger efficiencies increase.

Fellow PVARC members Clay Davis, AB9A, and Bob Sylvest, AB6SY, have been intensely exploring solar power technologies for Palos Verdes Estates’ Neighborhood Amateur Radio Team (NART). They hope to have a comprehensive presentation for PVARC members later this year on solar power for amateur radio—a presentation that will provide more power for all. ■



Update on ARRL efforts for H.R. 1301 and S. 1685 to allow reasonable antennas where restricted by CC&R's

From the ARRL website

On a voice vote, the US House Subcommittee on Communications and Technology has sent the Amateur Radio Parity Act, H.R. 1301, to the full House Energy and Commerce Committee with a favorable report for further consideration. The measure was among three bills the Subcommittee considered during a February 11 "markup" session. The Subcommittee is chaired by Rep Greg Walden, W7EQI (R-OR).

(Note: As of April 19, 2016, the full Energy and Commerce Committee still had not voted on this measure.)

"I'm optimistic that we can put the finishing touches on these bills in the weeks ahead and once again produce important, bipartisan legislation that protects consumers, small businesses, and access to the latest communications services," Walden said after the hearing.

During the markup session, Walden and the bill's sponsor, Rep Adam Kinzinger (R-IL) made impassioned statements in favor of the legislation. Kinzinger said that while he can appreciate some of the concerns expressed by those who do not agree with his bill, he believes that the time has come to adopt a "reasonable accommodation standard" with respect to the erection of outdoor antennas in neighborhoods governed by private land-use restrictions.

Walden agreed. "You don't necessarily need to have a giant tower blocking everybody's view," he pointed out to the Subcommittee. He suggested that more modest antenna systems often are sufficient. He and Kinzinger noted that there is common ground between proponents and opponents of the measure and that "it's important to get this done." Rep Anna Eshoo (D-CA) also spoke to recognize the work all parties have been doing to ensure the bill's passage in the House.

At a Subcommittee hearing on H.R. 1301 last month, Walden called it "a commonsense bill" and urged his colleagues' support. Kinzinger also spoke in favor of H.R. 1301 at the January 12 hearing, saying that his bill's "reasonable accommodation standard" would not mandate placement, size, or aesthetics regarding an outdoor antenna, leaving ham radio operators and homeowners associations to decide those issues.

H.R. 1301 would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land-use restrictions, such as deed covenants, conditions, and restrictions. The bill has attracted 120 cosponsors from both sides of the aisle. An identical US Senate measure, S. 1685, has attracted three cosponsors. It cleared the Senate Committee on Commerce, Science, and Transportation last November. ■

Right: Screenshot from ARRL website, <http://www.arrl.org/amateur-radio-parity-act>



ARRL Legislation

**Show Your Support for
The Amateur Radio
Parity Act of 2015**

HR 1301 – S 1685

▶ **Learn More**

The Amateur Radio Parity Act of 2015
S 1685 ■ HR 1301

Palos Verdes Amateur Radio Club

2016 Calendar

2016 Major Contest Dates

■ ARRL ■ CQ Magazine and Other

- Jan. 29-31: CQ Worldwide 160-Meter (CW)
 Jan. 31-Feb 2: ARRL January VHF Sweepstakes
 Feb. 12-14: CQ Worldwide RTTY WPX
 Feb. 19-21: ARRL DX (CW)
 Feb. 27: North American RTTY QSO Party
 Feb. 26-28: CQ Worldwide 160-Meter (SSB)
 Mar. 4-6: ARRL DX (SSB)
 Mar. 25-27: CQ Worldwide SSB WPX
 May 27-29: CQ Worldwide CW WPX
 Jun. 11-12: ARRL June VHF Contest
 Jun. 22-26: ARRL Field Day
 July 9-10: IARU World Championships
 July 16-17: CQ Worldwide VHF
 July 16: North American RTTY QSO Party
 Aug. 6-7: ARRL UHF Contest
 Sept. 10-11: ARRL September VHF Contest
 Sept. 23-25: CQ Worldwide RTTY DX
 Oct. 1-2: California QSO Party
 Oct. 28-30: CQ Worldwide SSB DX
 Nov. 5-6: ARRL Sweepstakes (CW)
 Nov. 19-20: ARRL Sweepstakes (SSB)
 Nov. 25-27: CQ Worldwide CW DX
 Dec. 9-11: ARRL 10-Meter Contest

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PVARC Meetings & Meals

Meetings 7:30 pm **3rd Wednesdays** except August and December at Fred Hesse Park, 29301 Hawthorne Blvd., Rancho Palos Verdes. Guests welcome.

A no-host dinner at 5:30 pm before club meetings is held at the Red Onion Restaurant, 736 Silver Spur Road, Rolling Hills Estates.

2nd Saturday each month: PVARC "HF Enthusiasts Group", 9:00 am in the Ralph's Supermarket café area (Hawthorne Blvd. at Crest Road.

3rd Sunday in August: Annual family picnic at Pt. Vicente Lighthouse.

December 8: Holiday dinner, Los Verdes Golf Course, Rancho Palos Verdes.

PVARC Public Service Events

- Apr. 24:** Ridgecrest Int. School 5K
Aug. 13: Rolling Hills Estates "Hills Are Alive" 5K/10K
Sept. 5: "Conquer the Bridge" Race
Sept. 24: RAT Beach Bike Tour
Nov. 12: P.V. Half-Marathon/10K

Major Ham Radio Conventions

- Feb. 19-20:** ARRL SW Div. & Yuma Hamfest, Yuma, AZ
March 12: Palm Springs Hamfest
Apr. 15-17: International DX Convention, Visalia, CA
Apr. 29-May 1: ARRL Nevada Convention, Las Vegas, NV
May 20-22: Dayton HamVention
Oct. 14-16: Pacificon, Santa Clara, CA

PVARC HF Operating Events

- April 27- May 1:** Islands On The Air DXpedition, Catalina Island;
June 25-26: ARRL Field Day;
Aug. 19-21: Intl. Lighthouse Weekend, Pt. Vicente Lighthouse

PVARC Ham License Classes

Fred Hesse Park (Fireside Room), 29301 Hawthorne Blvd., Rancho P.V.

Feb. 20 & 27; June 4 & 11;
 additional dates to be announced.



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

www.n6rpv.net/pvarc or
www.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 (\$17.00) \$ _____

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: _____

Tell your friends and relatives about the PVARC's June 2016 Technician and General license classes



Whether for emergency communication, communicating around the world, or learning a bit about electronics, there's nothing else like amateur radio (also known as "ham radio"). Amateur radio operators have long provided the communication "when all else fails" during disasters. Please tell your friends and relatives that with a short course, they can join the over 710,000 men, women, and children in the United States from all walks of life who are licensed to operate ham radios.

Two Free Amateur Radio Courses

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

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

Each course is 2 sessions

The next sessions are on 4 June and 11 June, 2016

Technician 9:30 AM to 1:45 PM both Saturdays

General 2:00 PM to 5:00 PM both Saturdays

FCC tests will be 10:00 AM to Noon on Saturday, June 18, 2016.

The Palos Verdes Amateur Radio Club will make a brief presentation at 9:30 AM at the start of the 7 May Technician class on how to get further involved with amateur radio.

The location is Fred Hesse Park, 29301 Hawthorne Blvd., Rancho Palos Verdes.

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

No fee for either course; taking the FCC Test is \$15. Optional Material (sold at cost):

- Gordon West book with all the FCC test questions,

\$22 for the Technician, \$26 for the General;

- Copy of PowerPoint charts: \$20 for the Technician, \$20 for the General.

For courses sponsored by the Palos Verdes Amateur Radio Club, students thru grade 12 who also pass their examination at a PVARC 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 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.

For more information contact Walt, K1DFO, at waltordway@juno.com