



# QRO

MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

JANUARY 2017

## Learn why the 222-225 MHz ham band is finally having its day

Until recently many hams shunned the 1.25-meter band because there was little equipment available for it. But that has changed dramatically in the past few years.

Your **QRO** Editor is the speaker at the PVARC's January 18<sup>th</sup> monthly meeting in Hesse Park's Activity Room, presenting "Recent & Upcoming Developments in the 222-225 MHz Amateur Band." Her talk will cover the unusual history of this band, a potential threat it faces, and a review of the large transceiver selection now available for 1.25-meters.

Diana, AI6DF, also served in 2014-2016 as president of the 220 Spectrum Management Association of Southern California, which maintains the band plan and coordinates repeaters there.

We hope to see you Wednesday, January 18 at 7:30 pm and/or our pre-meeting dinner at the Red Onion Restaurant. ■

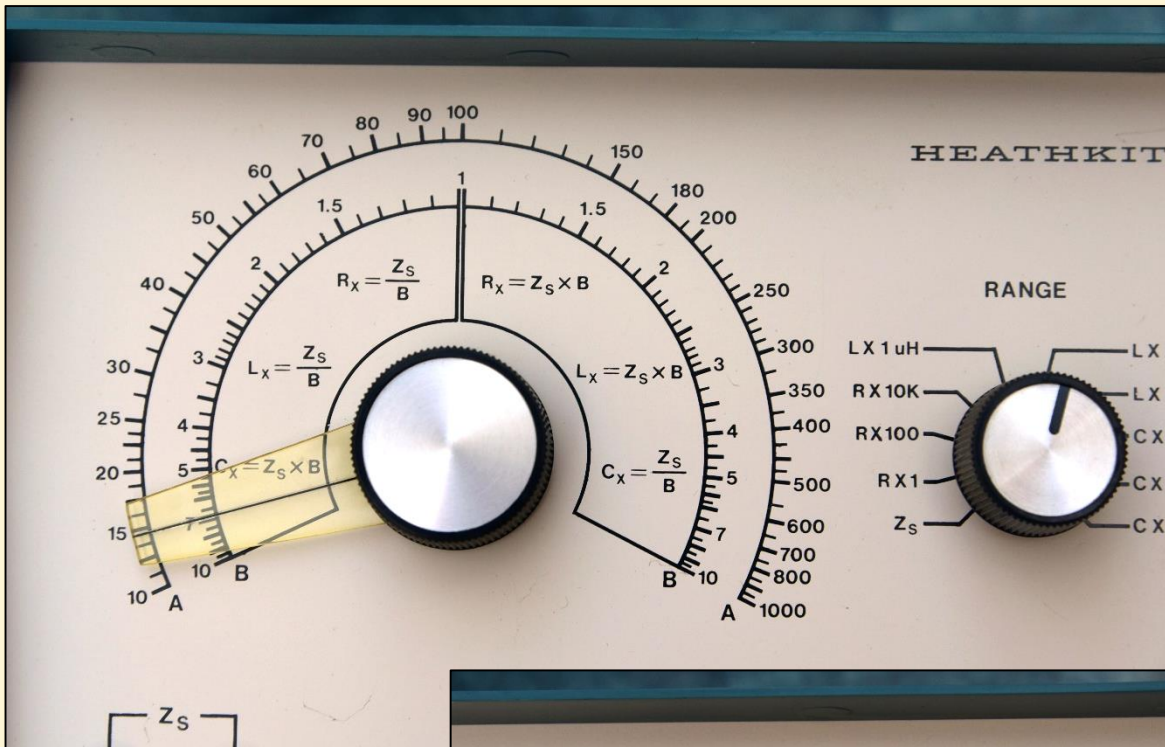
### "Recent & Upcoming Developments in the 222-225 MHz Amateur Band"

**Diana Feinberg, AI6DF**

PVARC Monthly Meeting,  
Wednesday, Jan. 18, 2017,  
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.)

# Donated Heathkit RLC Bridge Model IB-5281 available for free to PVARC member at our January 18 meeting



The widow of Robert Kurtz, W6PRO (SK) of Rolling Hills Estates donated several pieces of test equipment to the PVARC for disposition to our members. Bob W6PRO was not a PVARC member (to our knowledge) but we are grateful for receiving this equipment.

Shown here is a **Heathkit RLC Bridge, model IB-5281**, Bob built that will be given to an interested PVARC member. Manuals are readily available online.



## Donated Heathkit RF Oscillator Model IG-5280 available free to PVARC member at Jan. 18 meeting



Also available from the estate of Bob Kurtz, W6PRO (SK) is a **Heathkit RF Oscillator, model IG-5280**, Bob also built this device, now to be given to an interested PVARC member. Manuals are readily available online.

While the PVARC has not fully tested this equipment please note the right-hand Range rotary switch does not fully turn and some electrical spray will be needed.

Photo below shows main dial detail.



## Donated MFJ HF/VHF SWR Analyzer available to a PVARC member for free at Jan. 18 meeting



Also available from the estate of Bob Kurtz, W6PRO (SK) is an **MFJ HF/VHF SWR Analyzer, model MFJ-209**, that operates from 1.8-170 MHz. This will be given free to a PVARC member at our January 18 meeting via a drawing among those interested. The original operating manual is included.

While the PVARC has not fully tested this equipment please note a 12-volt DC power supply is not included. This unit appears to be in very good condition. ■



## Elections of PVARC officers and directors held at February meeting for serving until February 2018

The annual elections for PVARC officers will be held at our February 2017 meeting. Those elected will serve from the February 2017 meeting until the February 2018 monthly meeting.

A nominating committee of the PVARC Board has proposed the slate of officers and directors below who have committed to serve our club in the year-ahead.

Additional nominations, if any, will be taken from the floor at our January 18<sup>th</sup> meeting. Any contested positions will be decided by secret ballot voting at our February monthly meeting. If there are no contested positions the proposed slate of officers and directors can be approved by voice acclamation at the February meeting.

Currently slated for election to serve from February 2017 to February 2018 are:

For President: Diana Feinberg, AI6DF

For Vice-President: Ray Day, N6HE

For Secretary: Ron Wagner, AC6RW

For Treasurer: (TBA)

For Director: Clay Davis, AB9A

For Director: Gary Lopes, WA6MEM

Current Vice President Laura Behenna, KK6BFI, and Treasurer Bob Sylvest, AB6SY, have opted to leave the PVARC Board due to other personal commitments in the year ahead. But we are very appreciative for their service during the past two years.

As noted elsewhere in this issue, the PVARC is also seeking a Webmaster for our website to succeed John Freeman, WW6WW, who has indicated his intention to turn the Webmaster role to another club member. John has done wonderful job organizing and operating our website and we are extremely thankful for his lengthy service as Webmaster (preceded by serving as our newsletter editor). ■



Looking for a one-day Hamfest in the near-future? The annual Palm Springs Hamfest organized by the Desert R.A.T.S radio club will be Saturday, February 4, 2017, at the Palm Springs Air Museum, 745 Gene Autry Drive, Palm Springs. Admission of \$8 (advance) or \$10 (at the event) includes entrance to the Air Museum exhibits.

For further information see the Hamfest website at: <http://palmsspringshamfest.com/> ■

## It's time for "Show Us Your Shack (or Project)" at our February 15<sup>th</sup> monthly meeting

Among the more popular programs at our monthly meetings have been the occasional "Show Us Your Shack (or Project)" evening.

Any club member is encouraged to show via photos, video, PowerPoint slides, or bringing actual equipment whatever in their ham shack other members might enjoy hearing about.

If you would like to make a 10-15-minute presentation on your setup or project please contact Ray Day, N6HE, at [rayday@cox.net](mailto:rayday@cox.net) as soon as possible. ■

# show Us Your Shack



Whether your ham shack resembles "Mission Control", controlled sprawl, uncontrolled cables and wires, or just something modest—we're eager to see it. Notify Ray Day, N6HE, if you can give a brief presentation about your shack or latest project at our February 15 meeting.



## Reminder: 2017 PVARC dues are soon due

PVARC membership dues technically come due by January 31<sup>st</sup> each year. Please use the form on page 16 and send it with your check to our Post Office Box or pay at a monthly meeting.

The PVARC continues to have the lowest dues of all non-employer radio clubs in the Los Angeles Basin. We hope you find value from your membership—please let us know if you don't. ■

Note: Neither photo is of a PVARC member station.

## New “Amateur Radio Parity Act” Bill Introduced in U.S. House of Representatives

*From the ARRL website:*

01/16/2017 [H.R. 555](#) — a new “Amateur Radio Parity Act” bill — has been introduced in the U.S. House of Representatives. The bill’s language is identical to that of the 2015 measure, H.R. 1301, which passed in the House late last summer but failed in the waning days of the US Senate to gain the necessary support. As with H.R. 1301, the new measure introduced on January 13 in the 115th Congress was sponsored by Rep. Adam Kinzinger (R-IL), with initial co-sponsorship by Rep. Joe Courtney (D-CT) and Rep. Greg Walden, W7EQI (R-OR). Walden now chairs the House Committee on Energy and Commerce, to which the new bill has been referred. H.R. 555 will get an initial airing in the Subcommittee on Communications and Technology. When H.R. 1301 came up in committee, Walden spoke forcefully in favor of the measure, which ultimately attracted 126 House cosponsors.

“Rep. Kinzinger has again stepped forward to introduce this important legislation,” said ARRL CEO Tom Gallagher, NY2RF. “His commitment stems from exposure to what the Amateur Radio community brings to the service of all communities. The ARRL and radio amateurs nationwide owe Rep. Kinzinger a resounding ‘Thank You!’ for his efforts on their behalf.”

The new bill would entitle a radio amateur living in a deed-restricted community to install and maintain an “effective outdoor antenna.” The bill’s language preserves the existing language of the limited federal preemption known as PRB-1, as well as all important case law with respect to municipal land use regulation.

H.R. 555 calls on the FCC to establish rules prohibiting the application of deed restrictions that preclude Amateur Radio communications on their face or as applied. Deed restrictions would have to impose the minimum practicable restriction on Amateur Radio communications to accomplish the lawful purposes of homeowners association seeking to enforce the restriction.

The ARRL Board of Directors is expected to discuss the pending legislation when it meets January 20-21, 2017. ■



## PVARC HF Enthusiasts Group explores new triplexer for Catalina use...and other topics...at January meet

Attending our January 14<sup>th</sup> HF Enthusiasts meeting were Jerry (NG6R), Jeff (K6JW), Clay (AB9A), Malin (KO6MD), Bob (KE6JI), Rod (KK6CYU) and Carlos (WD6Y).

Among brain storming ideas was Bob's concept of a frequency divider earphone to select signals on a pile-up and how hair can affect field orientation in people.

Among the 'show and tell', Clay showed his Begali Key HST MKII, a single-paddle key that everyone had an opportunity to try.

Jerry continued his work developing filters for the upcoming club trip to Catalina where three transceivers on different bands will be connected to the same antenna.

He explained SPICE (Simulation Program with Integrated Circuit Emphasis) software to design values of capacitors and inductances to filter transceiver frequencies so as to prevent interference to each other. He went on from theory to his actual physical filters.

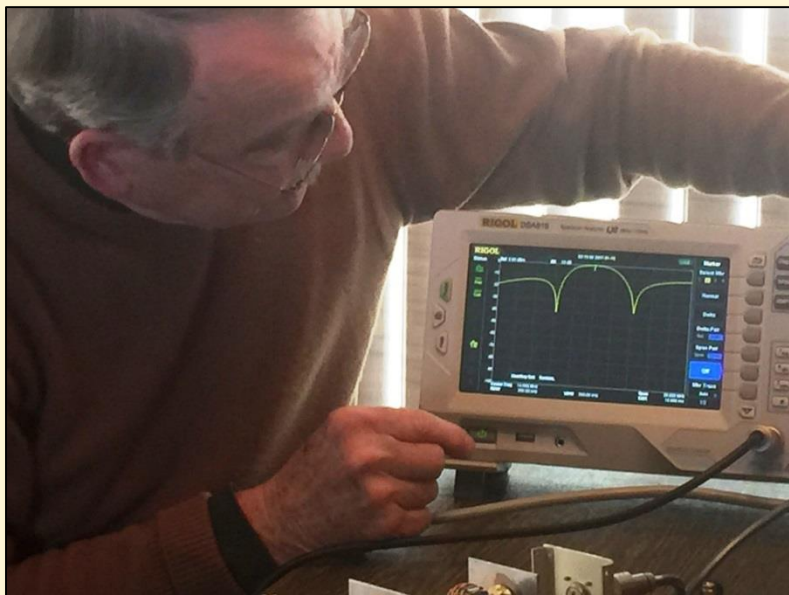
Using his Spectrum Analyzer he adjusted the toroid inductor on one of his filter units to

modify the cut off frequency. He also showed how the Analyzer can highlight phase noise at the bottom of the pick signal and how it's much higher and different than the background noise.

Rod brought a damaged antenna on his marine hand held and several members discussed possible ways to fix it.

Carlos demonstrated his QRQ (high speed CW) Keyer developed by W5UXH. Besides the common features of a CW keyers it has a high speed decoder, several CW eBooks, special signal output for iCW (Internet CW). The keyer is controlled by a PS/2 keyboard from where many preprogrammed features are accessed. It sends CW either from a paddle or a keyboard. He had opportunity to hear how CQ sounds at 60 and 90 WPM. QRQ operators listen to CW in their mind and use the keyboard to send CW.

After attending the HF Enthusiasts meeting for several months now, the meetings are becoming more interesting and continued to allow each participant to show what they are doing and interact directly with each other. A great feature of PVARC. —*Carlos Lemmi, WD6Y*



**Left:** Jerry, NG6R, demonstrating how his Rigol spectrum analyzer was used to adjust inductance on his triplexer filters. PHOTO: MALIN DOLLINGER, KO6MD



# Put some “spice” into your radio and electronics life

By Jerry Kendrick, NG6R


LTSpice, that is! The Simulation Program with Integrated Circuit Emphasis by Linear Technology is a high performance schematic capture tool with fast simulation and waveform viewing. It is a safe and FREE downloadable program to enable capturing a schematic for that amplifier, oscillator, filter, integrated circuit or other electronic device that you’ve been wanting to build or understand better.



After a few minutes of watching a couple of YouTube videos (of which there are several), or reading the tutorials that are also available, you’ll be creating and simulating circuits in no time. The drag-’n-drop schematic component capture feature is not only fast and easy to learn—it’s a lot of fun.




SPICE is an old and established (since early ‘70s) general-purpose, open source analog electronic circuit simulator. It has been used extensively in the electronics industry for predicting circuit behavior and for checking the integrity and performance of circuit designs. Recently, freeware SPICE simulators have become available, including SIMetrix, ngSpice, gnuCAP, PSPICE and LTSpice. The latter simulator maintains a large cataloged database of existing commercial device models such as integrated circuits (ICs), transistors, varactors, comparators and op-amps. LTSpice is well supported with a Yahoo group that is very active with help, demo files and expanding the library of component models.

LTSpice IV for Windows (last updated August 24, 2016) can be downloaded from <http://www.linear.com/designtools/software/>

After downloading and opening the program the first time, select “New Schematic” from the File menu to reveal a blank grey screen and the header as shown at the bottom of this page.

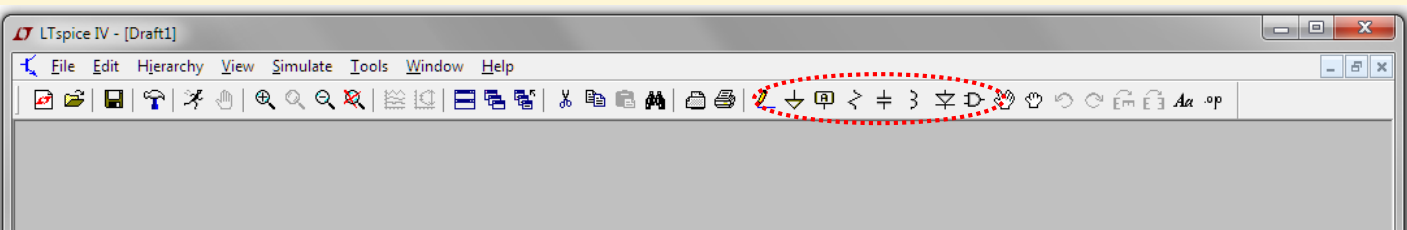
Note symbols on the right-center for resistors, capacitors, inductors and diodes . You simply place the cursor on a component symbol, click on it, drag the component icon into the grey screen below and click again. The component is now placed.

If you want to move it, just click on the “move” icon  and drag the component to where you want to place it. There are voltage (and current) sources available, as well as myriad active devices, accessed via the “component” icon  that can be “grabbed” and pulled onto the grey screen.

Once the parts are where you want them, click on the “wire” icon  to connect all the parts together as you wish them to be wired. And don’t forget the ground, indicated by the  symbol, as the simulation will not run without it. After the voltage (or current) source is placed in the circuit, hit the “run” symbol . Another display screen will appear and you’ll have opportunities to select and display internal circuit voltages and currents.

*Continued on next page ►*

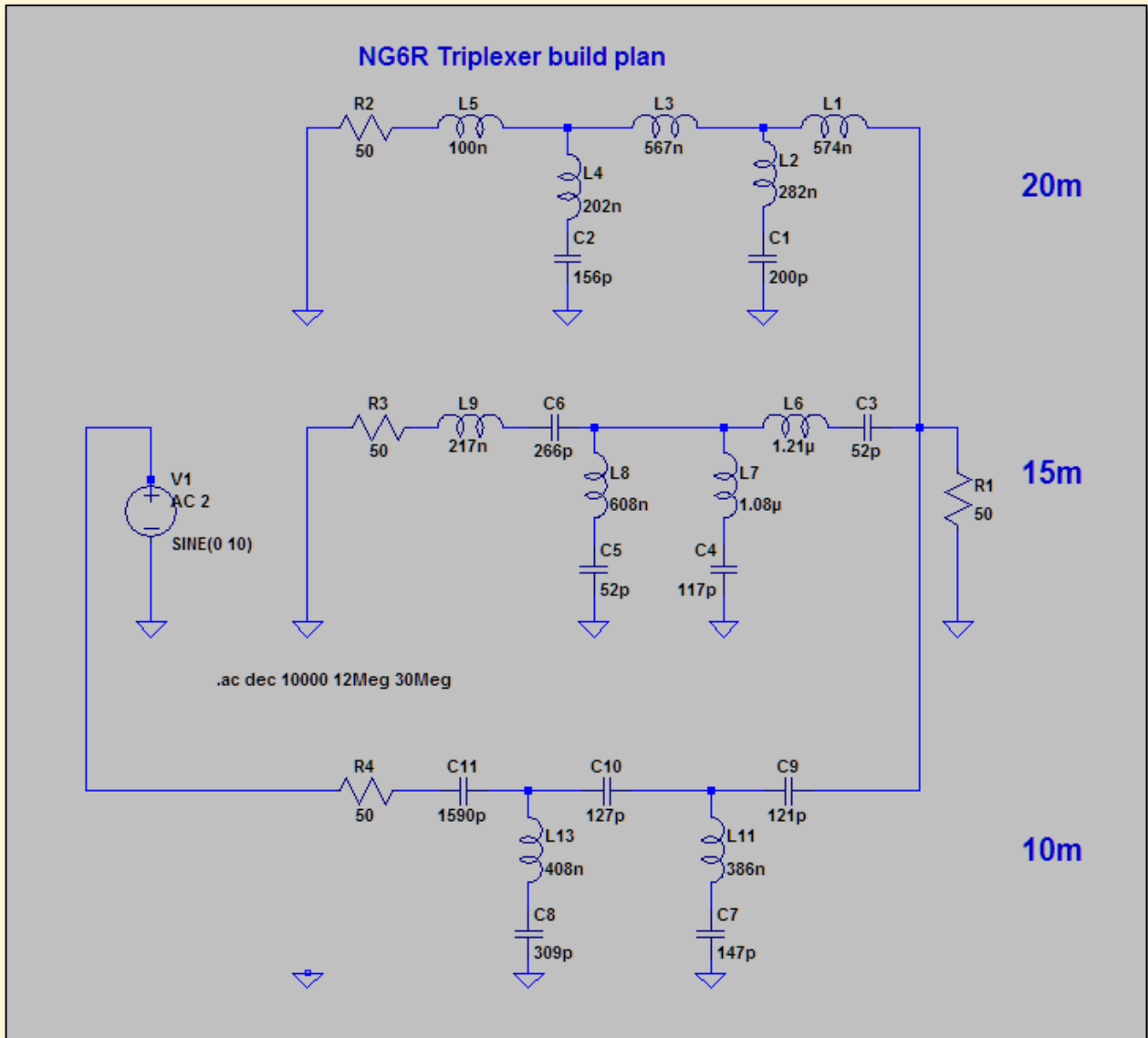
**Below:** Screen shot from a “New Schematic” page in LTSpice. Frequently-used component symbols to click are shown circled in red.



## Put some “spice” into your radio and electronics life

► *Continued from previous page*

In the December 2016 issue of the QRO newsletter, we presented plans to deploy the VA6AM HF Triplexer for use in the 2017 Catalina IOTA DXpedition. It enables up to three HF stations to simultaneously and safely transmit and receive with a single multi-band antenna. The schematic of that triplexer, as built, is displayed (**below**) using LTspice. LTspice was absolutely essential in fine-tuning the component values to achieve the insertion loss, VSWR and adjacent band isolation required for this filter system.



If you want to learn more details about creating circuit schematics, simulating performance and displaying voltage and current parameters within those circuits using LTspice, the following tutorial is very helpful:

<http://denethor.wlu.ca/ltspace/>

Enjoy the satisfaction of composing your own electronic circuits. Then, iterate and test them with LTspice—before building them! ■

# The PVARC needs more ARRL Volunteer Examiners

By Dave Scholler, KG6BPH

An area where the Palos Verdes Amateur Radio Club (PVARC) is very active in the HAM community is giving classes and administrating exams to individuals to become new HAMs. Walt Ordway, K1DFO, gives classes four times a year to interested individuals and a couple of classes a year to area school teachers and emergency responders.

PVARC administers over 50 HAM radio exams a year. A minimum of three accredited Volunteer Examiners (VE) are required for each exam session and having several extra Examiners present is beneficial as well. Our exams for individuals are held at Hesse Park on Saturdays from 10:00 AM till noon four times a year (generally Winter, Spring, Summer and Fall.) When exams for area teachers and emergency responders are held it is usually during the work week at locations supporting the organization requesting the test.

The PVARC has a roster of available individuals to support these exams but currently our roster is a bit thin. General and Extra licensed individuals can become Volunteer Examiners (VE). Our club runs these exams under the auspices of the ARRL which gives a tremendous amount of support for these activities. Information on become an ARRL-accredited VE is available at:

<http://www.arrl.org/become-an-arrl-ve>

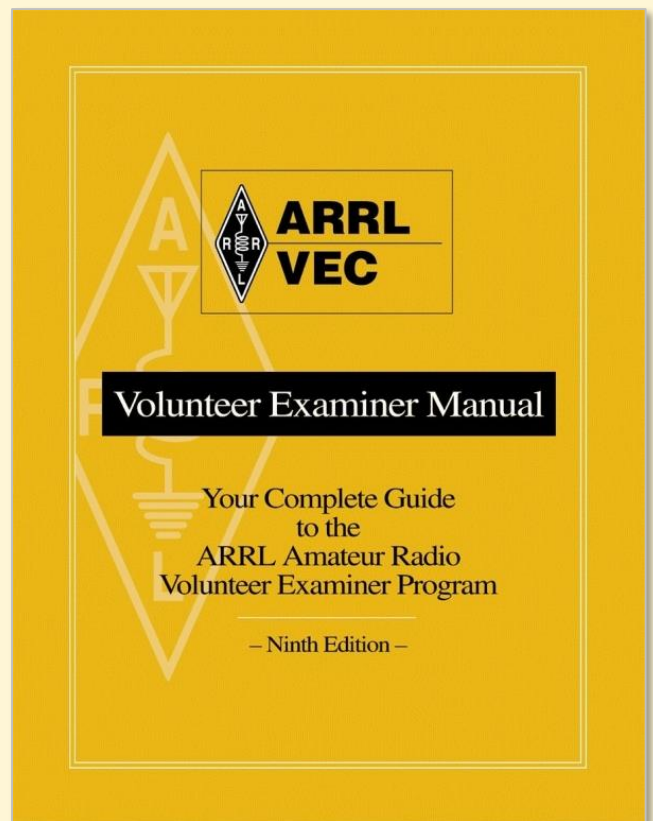
It does not cost anything to become a VE. An open book exam is required (40 questions) and it is actually fairly interesting. The exam is submitted to ARRL and when you pass a 10-year VE accreditation is issued.

David Scholler is the VE coordinator for PVARC. He will help you through the process if required, keep your name on file, and will notify you of coming events requiring VEs.

Please consider becoming an ARRL VE to serve the PVARC's exam sessions. ■



How about you?



You can download the entire ARRL VE manual free of charge at:

<http://www.arrl.org/files/file/VEs/VE%20Manual%20Web%20FINAL%202014.pdf>

Or, you may purchase a printed copy through the ARRL online store.

## HAMCON 2017 / ARRL SW Division Convention comes to Torrance in Sept.

Save the dates: The PVARC is one of 12 Los Angeles and Orange County radio clubs sponsoring HAMCON 2017, September 15-17, at the Torrance Marriott Redondo Beach Hotel (Del Amo Center).

HAMCON 2017 is also the 2017 ARRL Southwestern Division Convention, with a full array of technical talks on all aspects of amateur radio. Equally interesting to many will be the 63-booth Vendor Hall with many major ham radio manufacturers. If you want to see or touch Elecraft or FlexRadio products, for example, HAMCON 2017 is your place.

The PVARC is again staffing HAMCON's Information Desk during Convention operating hours. In August we'll be asking for club members to volunteer working in two-person shifts of two hours at the Information Desk. The PVARC also participates in HAMCON 2017 with Diana, AI6DF, again serving as convention Chair and Jeff, K6JW, as our club's delegate on HAMCON's planning committee.

So save the dates of September 15-17 for a great convention—an ARRL Divisional Convention doesn't get closer to home than this. Advance registration opens in early February. ■



For us, it's conveniently held at the Torrance Marriott Redondo Beach Hotel at Del Amo Fashion Center.

## 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

### 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	Jerry Shaw, KI6RRD
Net Control Operators	Malin Dollinger, KO6MD, Dale Hanks, N6NNW, Bob Sylvest, AB6SY, Ron Wagner, AC6RW, Dan Yang, K6DPY

### Contacts:

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Webmaster: 310-541-6971, [jfree@cox.net](mailto:jfree@cox.net)

Email us: [k6pv@arrl.net](mailto:k6pv@arrl.net)

Website: [www.k6pv.org](http://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 — *The Pt. Vicente Lighthouse is misted during heavy surf between rainstorms on January 13, 2017.*

PHOTO: DIANA FEINBERG, AI6DF

## PVARC Short News Items

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

Our February 15, 2017, monthly meeting will have fellow PVARC members engaging in the always-popular "Show Us Your Shack (or Project)." Last winter our one meeting for "Show Us Your Shack" morphed into three monthly meetings. Advise Ray Day, N6HE, at [rayday@cox.net](mailto:rayday@cox.net) if you have something to present—we are all eyes and ears and waiting. Also at our February meeting is the PVARC's annual election of officers and directors for the following 12 months. Any contested positions will be decided by secret ballot; if no contested positions the entire candidate slate can be confirmed by voice affirmation.

The PVARC's March 15, 2017, meeting features Ray N6HE reporting on our club's February 22-26, 2017, Islands on the Air DXpedition to Two Harbors on Catalina Island. Every year we go there new developments seem to happen.

Meanwhile, our April 19, 2017, monthly meeting will have an interesting presentation from Bioenno's Kevin Zanjani about the new lightweight lithium iron-phosphate batteries that are capable of high power levels but require a different charging system. ■

### PVARC Webmaster still needed. How about you?

Our long-serving Webmaster John Freeman, WW6WW, announced his intention to turn the Webmaster role to another PVARC member. John has done an excellent job maintaining our website over the years, including transitioning it last Fall to another web-hosting service, and he is glad to work with anyone succeeding him. Thank you, John—we've really appreciated all your work.

**How about you?** The PVARC needs a member to maintain our website, which doesn't have the complex requirements of other sites (i.e., we have no e-commerce needs, no blogs or chat rooms due to insurance issues, etc.) We do post news items about the PVARC, updated club rosters, projects, and monthly **QRO** newsletter issues. Please advise Diana, AI6DF, at [ai6df@arrl.net](mailto:ai6df@arrl.net) if you are interested in serving as PVARC Webmaster. If you have any questions about what's involved with our website feel free to contact John Freeman, WW6WW, at [jrfree@cox.net](mailto:jrfree@cox.net). ■



### 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: [jdavidsscholler@hotmail.com](mailto:jdavidsscholler@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

### Planning for Feb. 2017 IOTA DXpedition almost finished

The PVARC's next mini-DXpedition to Two Harbors on Catalina Island happens during February 22-26, 2017 is almost finalized.

The DXpedition team is comprised of:

Ray Day, N6HE (team leader); Clay Davis, AB9A; Chris Storey, KA6WNK; Diana Feinberg, AI6DF; Gary Lopes, WA6MEM; Hugo Dominguez, KM6DQU; Jerry Kendrick, NG6R; Ron Wagner, AC6RW; and Steve Mandich, K6NT. Hugo and Steve will be on the island from Wednesday through Friday; the others will return Sunday, Feb. 26

We hope to assemble only one hexbeam antenna on Catalina and use a triplexer for multiple band operation simultaneously with one antenna. Our HF transceivers on Catalina are expected to be an Icom IC-7300, a Kenwood TS-590S, and an Elecraft KX-3 with amplifier.

By returning our DXpedition to February's last full weekend our operator team can participate again in the frenzied North American RTTY QSO Party and the challenging CQ Worldwide 160-meter SSB contest from Two Harbors. ■

### 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

JOHN CASHEN, W5UG  
(RETURNING MEMBER)

INGO WERK, KK6EWB

TOM BUDAR, K6RPV

JONATHAN GREEN, KK6VWK

SAEHUI HWANG, KM6BCO

MARK CHILDIR, KM6BCL

DALE GEHR, KM6BCI

ROMYLEEN MITRA, KM6BCJ

NICHOLAS KOWALCZYK, KM6BCN

ANNETTE SOLOMON, KM6DRA

BRUCE GILBERT, KM6DQX

CARL HINDMAN, KM6DRB

HUGO DOMINGUEZ, JR., KM6DQU,

JARED BOCKOFF, KM6DQV

STEVE WRAY, KM6DQW

THEODORE LEY, KM6DRC

JOE BARGER, N6KK

DENISE ANN HUGHES-MURPHY, K6DAH

STEFAN FERRIER, KM6GXW

CINDY SNYDER, KM6GYG

MICHAEL LYNCH, KM6GYA

STUART MASTROIANNA, KM6GYK

THOMAS ESSENPREIS, KB9ENS

MARK GREENBERG, KM6GYC

LORI TANIMURA, KM6GXY

CHERI TANIMURA, KM6GXX

# Palos Verdes Amateur Radio Club Calendar 2017

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	29	30	31	1	2	3	4	26	27	28	1	2	3	4	26	27	28	29	30	31	1
8	9	10	11	12	13	14	5	6	7	8	9	10	11	5	6	7	8	9	10	11	2	3	4	5	6	7	8
15	16	17	18	19	20	21	12	13	14	15	16	17	18	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	19	20	21	22	23	24	25	16	17	18	19	20	21	22
29	30	31	1	2	3	4	26	27	28	1	2	3	4	26	27	28	29	30	31	1	23	24	25	26	27	28	29
5	6	7	8	9	10	11	5	6	7	8	9	10	11	2	3	4	5	6	7	8	30	1	2	3	4	5	6

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
30	1	2	3	4	5	6	28	29	30	31	1	2	3	25	26	27	28	29	30	1	30	31	1	2	3	4	5
7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
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28	29	30	31	1	2	3	25	26	27	28	29	30	1	23	24	25	26	27	28	29	27	28	29	30	31	1	2
4	5	6	7	8	9	10	2	3	4	5	6	7	8	30	31	1	2	3	4	5	3	4	5	6	7	8	9

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
27	28	29	30	31	1	2	1	2	3	4	5	6	7	29	30	31	1	2	3	4	26	27	28	29	30	1	2
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
24	25	26	27	28	29	30	29	30	31	1	2	3	4	26	27	28	29	30	1	2	24	25	26	27	28	29	30
1	2	3	4	5	6	7	5	6	7	8	9	10	11	3	4	5	6	7	8	9	31	1	2	3	4	5	6

### 2017 Major Contest Dates

- Jan. 21: North American SSB QSO Party
- Jan. 27-29: CQ Worldwide 160-Meter (CW)
- Feb. 10-12: CQ Worldwide RTTY WPX
- Feb. 17-19: ARRL DX (CW)
- Feb. 25: North American RTTY QSO Party
- Feb. 24-26: CQ Worldwide 160-Meter (SSB)
- Mar. 3-5: ARRL DX (SSB)
- Mar. 24-26: CQ Worldwide SSB WPX
- May 26-28: CQ Worldwide CW WPX
- Jun. 10-11: ARRL June VHF Contest
- Jun. 24-25: ARRL Field Day

- July 8-9: IARU World Championships
- July 15-16: CQ Worldwide VHF
- July 15: North American RTTY QSO Party
- Aug. 19: North American SSB QSO Party
- Sept. 9-10: ARRL September VHF Contest
- Sept. 22-24: CQ Worldwide RTTY DX
- Oct. 7-8: California QSO Party
- Oct. 27-29: CQ Worldwide SSB DX
- Nov. 4-5: ARRL Sweepstakes (CW)
- Nov. 18-19: ARRL Sweepstakes (SSB)
- Nov. 24-26: CQ Worldwide CW DX
- Dec. 8-10: ARRL 10-Meter Contest

**PVARC Nets**  
**Tuesdays at 7:30 pm**  
**on K6PV, 447.120**  
**MHz (-), PL 100.0, and**  
**144.910 MHz, Tone**  
**Squelch, PL 156.7**

### PVARC Meetings & Meals

Meetings 7:30 pm **3<sup>rd</sup> 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 at Red Onion Restaurant, 736 Silver Spur Road, Rolling Hills Estates.

**2<sup>nd</sup> Saturday each month:** PVARC "HF Enthusiasts Group", 10:00 am

**3<sup>rd</sup> Sunday in August:** Annual family picnic at Pt. Vicente Lighthouse.

**December 6:** Holiday dinner, TBD.

### PVARC Public Service Events

- Apr. 23:** Ridgecrest Int. School 5K
- Aug. 12:** Rolling Hills Estates "Hills Are Alive" 5K/10K
- Sept. 4:** "Conquer the Bridge" Race
- Sept. 23:** RAT Beach Bike Tour
- Nov. 18:** P.V. Half-Marathon/10K

### Major Ham Radio Conventions

- Feb. 4:** Palm Springs Hamfest
- Feb. 17-18:** Yuma Hamfest, Yuma, AZ
- Apr. 14-16:** International DX Convention, Visalia, CA
- May 19-21:** HamVention, Xenia OH
- Sep. 15-17:** **HAMCON 2017, Torrance**
- Oct. 20-22:** Pacificon, Santa Clara, CA

### PVARC HF Operating Events

- Feb. 22-26:** Islands On The Air DXpedition, Catalina Island;
- June 24-25:** ARRL Field Day;
- Aug. 18-20:** Intl. Lighthouse Weekend, Pt. Vicente Lighthouse

### PVARC Ham License Classes

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

**Feb. 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 (\$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: \_\_\_\_\_



## Tell your friends and relatives about the PVARC's upcoming 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 (2<sup>nd</sup> level)

Each course is 2 sessions

The next sessions are on 4 February and 11 February, 2017

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, February 18, 2017.

The Palos Verdes Amateur Radio Club will make a brief presentation at 9:30 AM at the start of the 4 February 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](mailto: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](mailto:waltordway@juno.com)

# 2017 Arizona Section Convention

## Yuma Hamfest

### Yuma, Arizona

### Feb. 17 & 18, 2017



Yuma County Fairgrounds  
2520 East 32<sup>nd</sup> Street, Yuma, Arizona

[www.yumahamfest.org](http://www.yumahamfest.org)

Check the Website for Additional Information

<p>Gates Open for Camping Thursday, 2 pm Vendor Setup Friday, 7 am - Noon</p>	<p>Event Hours Friday, Noon - 5 pm Saturday, 8 am - 5 pm</p>	<p>Hamfest Dinner &amp; Grand Prize Drawing Saturday Night 6:00 - 8:00 pm</p>
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**Vendors & Exhibitors**  
**Consignment Sales**  
**License Testing**  
**Hourly Door Prizes**  
**On-site RV Camping**  
**Hamfest Dinner**  
**ARRL Speaker**  
**Transmitter Hunt**  
**\$5.00 Admission**

**Tailgating (Swap Meet)**  
**Full Seminar Schedule**  
**DXCC Card Checking**  
**Incredible Grand Prizes**  
**Emergency Preparedness**  
**Admission Prize**  
**Hospitality Area**  
**Near Space Balloon Launch**  
**Antenna Clinic**

Hamfest Talk-In Frequency: 146.780 (-) PL 103.5 Hz

Email Contact: [info@yumahamfest.org](mailto:info@yumahamfest.org)



We are proud to have the Amateur Radio Council of Arizona (ARCA) as a sponsor of our event.

The Yuma Hamfest is an American Radio Relay League (ARRL) sanctioned event.



Presented by the Yuma Amateur Radio Hamfest Organization