



# QRO

THE MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

MARCH 2012

## The Sights, Sounds, and Results of PVARC's 2012 "Islands on the Air" DXpedition to Catalina Island (NA-066)

This year's four-day PVARC IOTA DXpedition at Two Harbors on Catalina Island surpassed all expectations. Nearly 2,100 contacts were logged with amateurs in all 50 states and 40 countries. Yes, the 15- and 10-meter bands were definitely "on fire" this year.

At PVARC's next club meeting on March 21<sup>st</sup> our DXpedition leader Ray Day, N6HE, will present the full sights, sounds, and results of this year's amazing adventure. We really did quite well considering our "part-time" operation during the four days! ■

**Where:** Fred Hesse Park  
29301 Hawthorne Blvd.  
Rancho Palos Verdes.

**When:** 7:30 pm, Wednesday,  
March 21, 2012



**0600 Hours,  
24-Feb-2012:**  
That's Ray, N6HE,  
working 80-meter  
early-morning CW  
from our station at  
Two Harbors.  
PHOTO: AI6DF

# Looking Forward to a Great Ham Radio Year in 2012

By Diana Feinberg, AI6DF  
PVARC President

I foresee a great year for ham radio and our club in 2012.

What makes 2012 great for ham radio? Four factors do the job:

- There's some innovative ham radio equipment coming on the market.
- New operating privileges just took effect on 60-meters. (See page 8)
- The current sunspot cycle is advancing towards its peak, providing great DX opportunities for everyone.
- Efforts in our club (and other clubs) to create more "hands-on" opportunities for members to increase their amateur radio skills or knowledge. (See page 9)

Let's focus here on new equipment in 2012.

On the HF side, Elecraft's long-awaited KX3 high-performance QRP transceiver is expected to finally ship this month. The KX3's companion 100-watt amplifier is still in the wings, but it could be used with most other QRP radios (such as the Flex-1500) turning them into full-fledged radios.

Not to be outdone on HF, Ten-Tec is developing its "539" QRP transceiver also with a separate 100-watt amplifier.

But the really big changes this year are in VHF/UHF radios.

Yaesu announced late in December 2011 a head-on challenge to Icom's D-Star with a proposed line of digital VHF/UHF handheld and mobile radios in 2012 similar to Motorola's MOTOTRBO® digital line. Yaesu's protocol uses a 12.5 kHz bandwidth vs. D-Star's 6.25 kHz to double speeds of data transmission and improve voice fidelity.

How well does MOTOTRBO® work? I was impressed when a MOTOTRBO® HT inside the semi-"shielded" basement of the Lomita Sheriff's station recently had a full-signal into W6TRW's 70cm digital repeater in North Redondo Beach using only one watt with a rubber duck antenna. Your mileage may vary.

Alinco just released an innovative dual-band HT radio that only covers two neglected VHF/UHF territories: the 220 MHz and 902 MHz ham bands. Amateurs especially need to begin using 33cm more to justify keeping this spectrum.

Hams in Northern California adapted quickly to the 902 MHz ham band after a 5-watt power limit on the 440 MHz amateur band was imposed in 2007 due to the massive PAVE/PAWS radar at Beale Air Force Base northeast of Sacramento. Some NoCal amateurs then converted used commercial 900 MHz rigs

as an alternative to 440 MHz.

Finally, as most know, several HT brands made in China have been making great inroads into the U.S. amateur market with low-priced radios. Some have innovative features like ability to also operate on commercial frequencies or speech announcement of radio settings. Mobile radios are coming soon.

So keep your eyes peeled for some great equipment in 2012 and let's get on the air. ■

**An unusual choice of bands:** For about \$340, Alinco's new dual-band DJ-G29 HT transceiver covers only the 222-225 MHz and 902-928 MHz amateur bands. Both bands need more radios and usage, but repeaters are already there.  
PHOTO CREDIT: ALINCO



## Monthly Program Notes From Our Vice President

By Clay Davis, AB9A  
PVARC Vice President

On Feb 22nd, for the second time, I left the mainland on a trek with a group of intrepid PVARC DXers to the island paradise of IOTA NA-066, to activate "K6PV/6".

So, what is this IOTA NA-066? IOTA stands for the Radio Society of Great Britain's "Islands On The Air" program. And, NA-066 is the South Channel Islands - San Clemente, San Nicolas, Santa Barbara and Santa Catalina. We were headed for Santa Catalina Island. IOTA has organized the ocean islands of the world into about 1200 groups. The goal of the DX "island chaser" is to make contact with at least one island in each group. Just as there are awards for WAS, WAZ and DXCC, there are also certificates and awards available to the DX "island chaser". For a detailed explanation and history of IOTA, check out the web site: <http://www.rsgbiota.org>.

Here is the official notice of our activation:

Activation of **Santa Catalina (NA-066)**:

**From:** 23-Feb-2012 02:00

**Until:** 26-Feb-2012 16:00

**Callsign:** K6PV/6

**Operators:** N6HE, K6JW, NZ6L, AB9A, AI6DF, KG6WVF, K6DPY, W6HIP

**QSL Information:** QSL direct to QRZ.COM address for K6PV.

**Comments:** We'll be active on 20M SSB mostly, with some on 10/15/40M SSB. We'll be in the NAQP RTTY and CQWW160 SSB events. Will be 160-80-40-20-17-15-10M capable on SSB, CW, RTTY, and maybe PSK31... email

[lasnakeboy@gmail.com](mailto:lasnakeboy@gmail.com) for skeds. Spot us, please! Thanks, Ray N6HE.

Website: <http://www.palosverdes.com/pvarc/>

Submitted by: N6HE on 02 Feb 2012.

If you doubt just how intrepid this group is, check out the email address (lasnakeboy) in



the activation notice. Enough said?

The hard core DXers in the group called this a mini-DXpedition. But, in reality it had all the trappings of the real thing. The only difference being we traveled 22 miles instead of half way around the world. There were months of planning by our fearless leader Ray Day, N6HE, with major help from K6JW and NZ6L. They skillfully organized the logistics of radios, antennas, coax, masts, antenna analyzer, adapters, cables, computers, logging programs, hardware, spare parts, radio rooms, cabins for the team, food, cooking and eating utensils and more. We took somewhere between 800 and 1000 lbs. of equipment and supplies with us. And, we used all of it, sometimes for purposes other than it was intended (more on that later).

People waiting to board the Catalina Express were puzzled, staring at this group of hams with various combinations of club jackets, Yaesu ball caps, and HT radios, standing around military camo equipment bags, Pelican boxes, ice chests and piles of luggage. And, as if that wasn't conspicuous enough, they segregated us and our gear to the opposite side of the gate. I think they didn't want to frighten the regular passengers. Somehow, deep down inside, the day you received your first call sign, you knew you were different. Right?

The boat ride over was occupied with many strategy discussions about our next move. How are we going to get all this gear up the hill (that's right - up the hill!) and set up to make our first contact (Kilo Six Papa Victor, Portable 6, IOTA NA-066, calling CQ and listening)? ▶  
(Continued on next page)

## Monthly Program Notes From Our Vice President *(continued)*

► After we arrived at Two Harbors, schlepped the gear up the hill and started unpacking, I remembered why I signed up for the second trip. I did it because the first trip was such a fun, intense, and rewarding hands-on learning experience, for a ham new to the world of HF DX. It's one thing to pick up an HT and hit the push-to-talk button or walk into an HF shack and sit down and operate. It's quite another to walk up to a pile of antennas, masts, coax, guy rope, radios, power supplies and hardware and hear the words (paraphrased) "There's three operating stations with 6 antennas covering 70 cm to 160 meters in this pile. Lets make it happen".

That may all sound daunting. But, I quickly discovered that I was standing in the middle of a group of engineers and operators that could be considered the equivalent of the Cal Tech of ham radio. If it can be done with ham radio, one or all of them have been there, done that and got the t-shirt to prove it.

And so the process started and I learned that everything in the field is fluid. Nothing is absolute. Every step is a new problem to be solved and a learning opportunity. There were strategy discussions on where to put up the beam antennas, what are we going to use to attach the masts to the eaves, where are the guy points going to attach. Who is going to go over to the tennis courts and put up the fiberglass poles (tie wrap to the fence) to hang the 80/40 meter dipoles? Did you put a clip on the Hex Beam mast to hang the 40 meter dipole? Is the 160 meter dipole going to terminate on the school swing set this year or on the volleyball pole? We need to put some clip leads on the 40 meter dipole to tune it! Can we get a ladder from the camp manager? One by one the problems were solved, some in very creative ways you couldn't have predicted (NZ6L putting a wrench with a line attached over the tri-band beam mast, with a 20 foot section of fiberglass antenna mast, while standing on the kitchen roof). Each radio starts to come to life and we are on the air.

I pick up the mic and say "Kilo Six Papa Victor, portable 6, NA-066, Santa Catalina Island, calling CQ and listening". Then, all of a sudden it happens. THE PILE UP!!! For a ham new to HF, this is the Ah-Ha moment. I've hit the mother lode. The times I've have listened to dozens of operators trying to get through to a sought after DX station (that's me) and wondered what it was like to be on the other end. Well, this is it. I start to feel like I'm air traffic control (pun intended). I have more stations than I can count calling all at once. My adrenaline starts pumping. But I have an ace in the hole. I have a cool, calm Elmer (K6JW) sitting next to me (remember the been there done that?) patiently guiding me through the process of how to handle the contacts, pick out the calls, segue smoothly from one contact to another and ready to pull me back from the brink of the momentary sensory overload I'm invariably going to go through. After half an hour of operating at this level of intensity, my mouth is dry and I need a break. I pass the mic to the next operator, step outside and say to myself, "WOW". Then it hit me. I'm hooked on HF.

So, I return back to the mainland and start shopping for an HF radio, confident that I know how to set up a station, erect and tune an antenna and handle a QSO. I've done it three times in one week. No sweat!

If you have a license and haven't tried HF, think of the Catalina trip as HF University. You may have no experience going in. But, you'll be an HF operator when you come home. Or, come to Field Day in June and give it a try. If you do, I'll bet that you too will be at HRO checking out the HF transceivers.

At the March 21st club meeting, Ray Day, N6HE, our truly intrepid leader, will be giving a full program on the Catalina IOTA DXpedition. I hope you'll come and share in the fun.

73,  
Clay, AB9A. ■

# The "K6PV Portable 6" Antenna Farm at Two Harbors, 0615 Hours

20-Meter Hex Beam

160-Meter Wire Dipole (250')

20/15/10-Meter Yagi (much taller than it appears)

6-Meter Yagi

VHF/UHF Vertical

Not Visible: 80/40/20-Meter Fan Dipole (to left of photo)

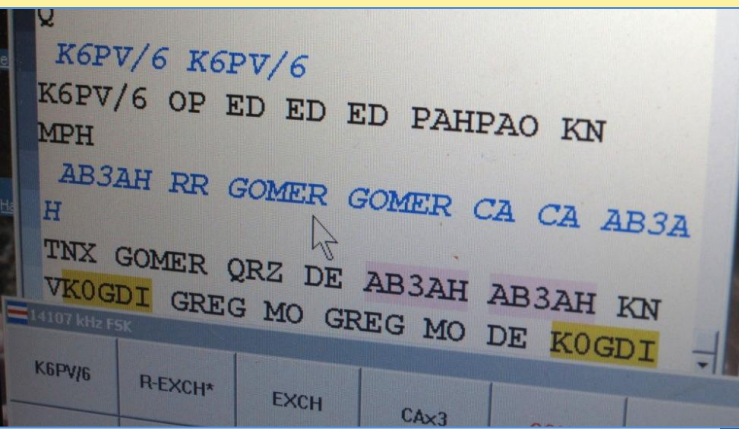
## Some Views of PVARC's 2012 IOTA DXpedition



**Above:** Clay, AB9A, and Bill, KG6WVF, work the crowded pile-up on 10-Meters.



**Above right:** Installing the massive tri-band Yagi beam antenna took four guys, including Joe, NZ6L on the roof with Ray, N6HE; Dan, K6DPY; and Clay, AB9A.



**Left:** N6HE's RTTY screen name was "Gomer" (he'll explain why at our next meeting.) Didn't television's Gomer Pyle famously say, "Well golly whiz, won't wonders never cease!"



## PALOS VERDES RIDE FOR HABITAT

Not going to the DX Convention in Visalia or the Baker 2 Vegas Run this year?

PVARC has been asked to provide six radio operators at Habitat for Humanity's inaugural Peninsula bike tour on **Saturday, April 21**. Radio operators will receive a free ticket for the lunch served at the Terranea Resort following the Ride.

## Two PVARC Public Service Events Set For April and May

By Diana Feinberg, AI6DF

PVARC is providing radio communications this year for two charitable events on the Peninsula during April and May: the debut of Habitat for Humanity's "Palos Verdes Ride for Habitat" on Saturday, April 21, and the long-standing Palos Verdes Half-Marathon (formerly the Palos Verdes Marathon) on Saturday, May 19.

### The Habitat for Humanity of Greater Los Angeles "Palos Verdes Ride for Habitat", April 21

We will need six PVARC radio operators to cover this unique bicycle tour on the Peninsula's west side and up Hawthorne Blvd. This "P.V. Ride" differs from other bicycle tours in that a "high-quality" experience is being provided to riders. Participation will be limited to just 200 bicyclists who, in addition to their \$55 registration fee, will be backed by sponsorships solicited from businesses, associates, friends, and relatives. Habitat for Humanity will use all proceeds for continuing its mission building homes in greater Los Angeles areas that have sub-standard housing or un-served housing needs.

In addition to a Net Control operator stationed at the Terranea Resort, we need operators at two SAG stops—at St. Paul's Lutheran Church, next to Golden Cove Shopping Center, and at the P.V. Bike Center in the Peninsula Shopping Center on Hawthorne just south of Silver Spur Road. One radio operator is also needed inside each of three vans that will continuously cruise the bike tour course to assist riders.

All radio operators will receive a free wristband for the buffet lunch being served at the Terranea following the bike tour. If you can work from 7:30 am to Noon on April 21 for the Habitat ride please contact me at: [dfleinberg@att.net](mailto:dfleinberg@att.net) with your choice of assignment. An HT radio covering both 2-meters and 440 would be ideal; a mobile radio would be better if in a van and several such radios will be available for van operators.

### Rolling Hills Estates Kiwanis Club's "Palos Verdes Half Marathon and 5K", May 19

This year's Half Marathon will start and finish at Pelican Cove (formerly known as Fishermen's Access) between the Terranea Resort and Pt. Vicente Lighthouse. Most race participants will again park at the Promenade of the Peninsula mall, with shuttle buses conveying runners to/from Pelican Cove.

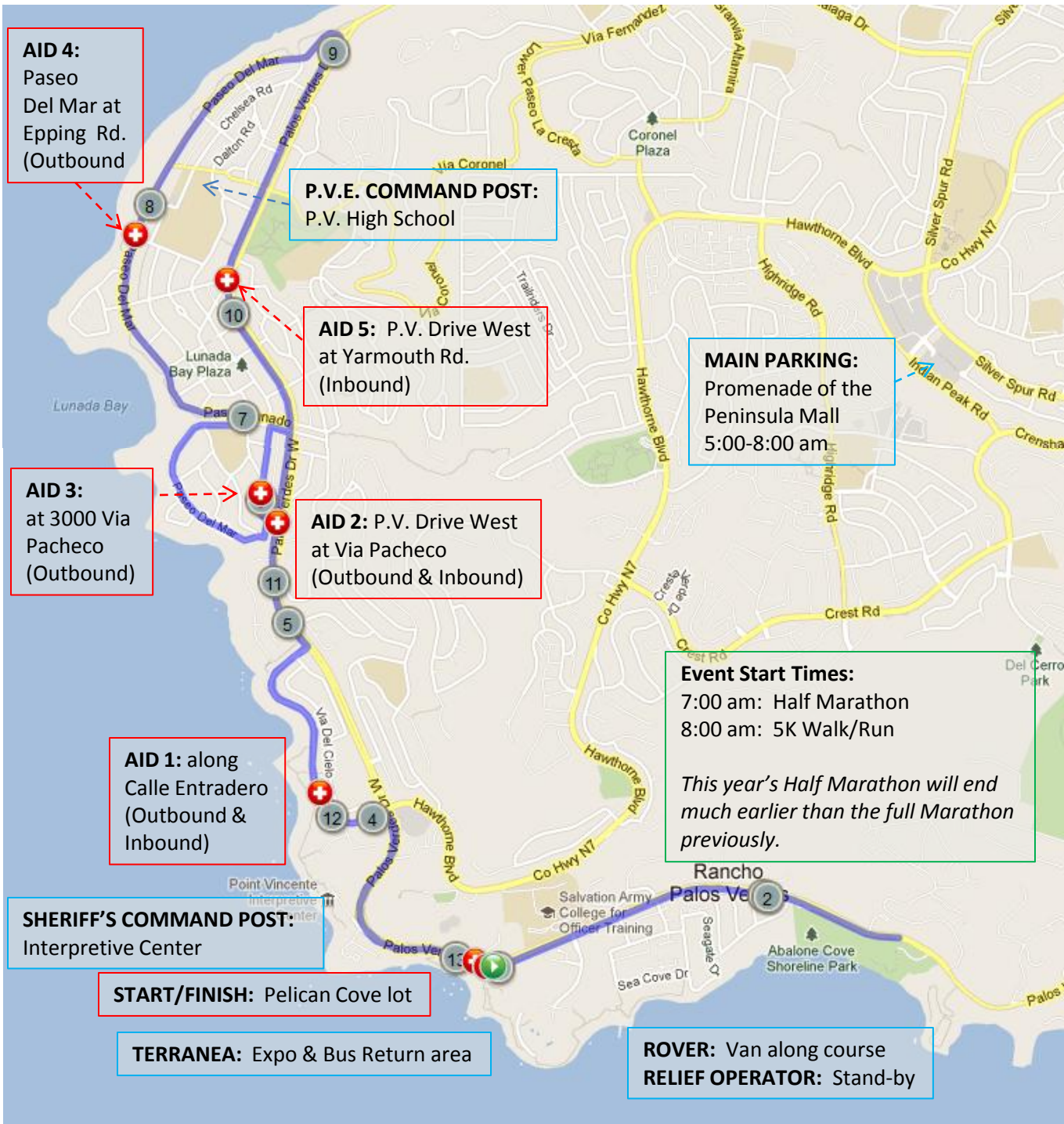
The map on the next page shows positions where we need radio operators for this year's Half Marathon (subject to minor modification). Please contact me if you can help this year (also provide your T-shirt size.) ■

# Palos Verdes Half & 5K



**PVARC's radio operators are needed at these locations on Saturday, May 19, for the Palos Verdes Half.**

**Can you help?**



**WELCOME NEW MEMBERS OF THE  
PALOS VERDES AMATEUR RADIO CLUB  
IN 2012**

**Robert Hanel, KJ6RAA**

**Gary Parsons, KJ6NIY**

**Steve Mandich, K6NT**

**Gina Mandich, KF6MYQ**

**Robert King, KI6EAI**

**Jack Reeves, K6JWR**

**Ken Carr, K6HRN**

**Dick McKay, K6VGP**

**Barbara Alexander, KJ6OVW**

**Brian Okamoto, KJ6RVX**

**David King, KI6EAI**

**Warren King, KJ6TLG**

## The John Alexander Fund's Newest Ham

PVARC's John Alexander Fund recently reimbursed Edwin Jacobson of Rolling Hills Estates for passing his amateur license test at our Feb. 18 exam session.

Edwin, now licensed as KJ6UMN, is a student at Palos Verdes Peninsula High School.

Congratulations, Edwin, and welcome to amateur radio. ■

## New Operating Privileges on 60-Meters Took Effect March 5th

The channelized 60-Meter amateur "band" took on new power limits and allowable operating modes for U.S. hams on March 5, 2012. As before, amateurs are secondary users and must not cause interference with primary users (i.e., government stations.)

The limit in maximum Effective Radiated Power on 60-Meters increased to 100 watts from 50 watts, relative to a half-wave dipole. This 100-watt ERP limit is after factoring antenna and line gains or losses (i.e., a transceiver might be allowed to send a bit more than 100 watts into the antenna—or perhaps much less).

Previously used only for upper sideband voice, U.S. hams on 60-Meters with General class or higher licenses may now transmit using **CW or PSK31 centered on:**

- Channel 1: 5332.0 kHz
- Channel 2: 5348.0 kHz
- Channel 3: 5358.5 kHz
- Channel 4: 5373.0 kHz
- Channel 5: 5405.0 kHz

**Upper Sideband voice and Pactor III** modes are allowed on these frequencies (which are the carrier suppressed center frequency that should appear in your VFO in USB modes):

- Channel 1: 5330.5 kHz
- Channel 2: 5346.5 kHz
- Channel 3: 5357.0 kHz
- Channel 4: 5371.5 kHz
- Channel 5: 5403.5 kHz

Relatively few countries currently allow 60-Meter use, (the UK actually has seven channels) but those having common channels with the U.S. for **SSB** include:

**Channel 1:** Cayman Islands, Finland, St. Lucia

**Channel 2:** Cayman Islands, St. Lucia

**Channel 3:** (U.S. only, for now)

**Channel 4:** Bahrain, Cayman Islands, Dominican Republic, Greenland, Portugal, St. Lucia, United Kingdom.

**Channel 5:** Bahrain, Cayman Islands, Dominican Republic, Greenland, Ireland, Portugal, St. Lucia, United Kingdom. ■





Bins of electronic parts donated by Bob, W6ODI

## Bob Lace, W6ODI, Donates Many Parts for PVARC Members

Long-time PVARC member and experimenter Bob Lace, W6ODI, has given us a number of boxes containing electronic components and assemblies that will be made available free of charge to PVARC members.

Parts include capacitors, filters, switches, tubes, coils, some power supplies, and other electronic objects from his workshop. These items will be displayed in batches at each of our next four club meetings for members to freely take for re-use in their own projects.

Bob and his wife recently sold their RPV home and will be moving soon. We thank Bob for generously making his parts available to other hams in the PVARC. ■

## PVARC “Elmer’s” Wanted

There’s a tremendous amount of ham radio knowledge and experience in our club. Would you be willing to share some of that knowledge with club members?

We would like to compile a list of Elmer’s in PVARC. Let our club Vice President Clay Davis ([AB9A@arrl.net](mailto:AB9A@arrl.net)) know if you are willing to Elmer a newer ham in some ham radio aspect. Or could you give a brief (maximum 20-minute) hands-on talk regarding a topic to a small group of fellow members before one of our monthly club meetings at Hesse Park (i.e., from 7:00-7:15 pm)?

No one is obligated to serve as an Elmer or receive an Elmer’s knowledge. But a strength of many amateur radio clubs such as ours is the depth of knowledge members have access to. We hope you can help. ■

◆ 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	Clay Davis, AB9A
Treasurer	Bob Sylvest, AB6SY
Secretary	Daniel Yang, K6DPY
Past President	Jeff Wolf, K6JW
Directors:	Ray Day, N6HE
	Peter Landon, KE6JPM

### Appointed Offices:

Interim QRO Editor	Diana Feinberg, AI6DF
Asst. to Editor	Paige Omoto, KI6MAH
Webmaster	John Freeman, WW6WW
Club Librarian	Bryant Winchell, W2RGG
VE Coordinator	Dave Scholler, KG6BPH
VE Liaison	Diana Feinberg, AI6DF
Yahoo PVARC Group Moderator	Daniel Yang, K6DPY

### Contacts:

Interim QRO Editor: 310-544-2917, [ai6df@arrl.net](mailto:ai6df@arrl.net)  
 Webmaster: 310-541-6971, [jfree@cox.net](mailto:jfree@cox.net)

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

Website: [www.palosverdes.com/pvarc](http://www.palosverdes.com/pvarc)

### 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 just after a winter sunset. AI6DF*

# Palos Verdes Amateur Radio Club 2012 Calendar

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

April						
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22	23	24	25	26	27	28
29	30					

July						
S	M	T	W	T	F	S
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29	30	31				

October						
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28	29	30	31			

February						
S	M	T	W	T	F	S
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

May						
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6	7	8	9	10	11	12
13	14	15	16	17	18	19
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27	28	29	30	31		

August						
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November						
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March						
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June						
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					1	2
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17	18	19	20	21	22	23
24	25	26	27	28	29	30

September						
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

December						
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						1
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

 Club Activity  Club Public Service

## 2012 Major Contest Dates

 ARRL  CQ Magazine and Other

- Jan. 7-8: ARRL RTTY Roundup
- Jan. 21-23: ARRL January VHF Sweepstakes
- Jan. 28-29: CQ Worldwide 160-Meter (CW)
- Feb. 11-12: CQ Worldwide RTTY WPX
- Feb. 18-19: ARRL DX (CW)
- Feb. 25: North American RTTY QSO Party
- Feb. 25-26: CQ Worldwide 160-Meter (SSB)
- Mar. 3-4: ARRL DX (SSB)
- Mar. 24-25: CQ Worldwide SSB WPX
- May 26-27: CQ Worldwide CW WPX
- Jun. 9-10: ARRL VHF QSO Party
- Jun. 23-24: ARRL Field Day 
- Jul. 14-15: IARU HF Championship
- Jul. 21-22: CQ Worldwide VHF
- Aug. 4-5: ARRL UHF Contest
- Sept. 29-30: CQ Worldwide RTTY DX
- Oct. 6-7: California QSO Party
- Oct. 27-28: CQ Worldwide SSB DX
- Nov. 3-4: ARRL Sweepstakes (CW)
- Nov. 17-18: ARRL Sweepstakes (SSB)
- Nov. 24-25: CQ Worldwide CW DX
- Dec. 1-2: ARRL 160-Meter Contest
- Dec. 8-9: ARRL 10-Meter Contest

## PVARC Nets

Join in every **Tuesday** at 7:30 pm on K6PV, 447.120 MHz (-), PL 100.0. All members and guests are invited to check in and share information.

## PVARC Meetings

7:30 pm on **3rd Wednesday** of every month, except August and December, at Fred Hesse Park, 29301 Hawthorne Blvd., Rancho Palos Verdes. Guests always welcome. Optional no-host dinner at 5:30 pm before club meetings at the Red Onion Restaurant, 736 Silver Spur Road, Rolling Hills Estates.

**August 19:** Annual family picnic at Pt. Vicente Lighthouse in conjunction with International Lighthouse & Lightship Weekend.

**December 12:** Holiday dinner

## PVARC Public Service Events

- April 21:** Habitat for Humanity's "Palos Verdes Ride for Habitat" Bike-A-Thon
- May 19:** Palos Verdes Half
- August 11:** Rolling Hills Estates "Hills Are Alive" 5K/10K
- Sept. 3:** L.A. Harbor "Conquer the Bridge" Race
- Sept. 22:** RAT Beach Bike Tour
- October 13 & 18:** Great California ShakeOut

## PVARC's Islands on the Air Annual DXpedition

**Feb. 22-26:** Two Harbors, Catalina Island.



**Palos Verdes Amateur Radio Club**  
**P.O. Box 2316**  
**Palos Verdes Peninsula, CA 90274**  
**www.palosverdes.com/pvarc**

**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) \$** \_\_\_\_\_

**Donation to the John Alexander Fund \$** \_\_\_\_\_

**Donation to the Repeater Fund \$** \_\_\_\_\_

**Other Donation to PVARC \$** \_\_\_\_\_

**Cash:** \_\_\_\_\_ **or Check #:** \_\_\_\_\_ **Date** \_\_\_\_\_ **TOTAL \$** \_\_\_\_\_

**Please make checks payable to: Palos Verdes Amateur Radio Club; Dues based on January 1<sup>st</sup> to December 31<sup>st</sup> 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.palosverdes.com/pvarc/constitution.htm> or upon request.)

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Family Member Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Family Member Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Walt Ordway, K1DFO, will teach his next ham radio license courses on April 28<sup>th</sup> and May 12<sup>th</sup> at Hesse Park. Tell your neighbors, friends, and relatives.**

## **Two Amateur Radio Courses**

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

FCC "**General**" course (2<sup>nd</sup> level)

Each course is 2 sessions

The 2 sessions are on 28 April & 12 May 2012

**Technician** 10:00 AM to 2:00 PM both Saturdays

**General** 2:15 PM to 5:00 PM both Saturdays

FCC tests will be 2:00-4:00 pm on 19 May 2012

*(Note: These classes are not on consecutive Saturdays due to other events scheduled at the location.)*

**The location is Hesse Park**

**29301 Hawthorne Blvd.**

**Rancho Palos Verdes**

- No pre-registration required -
- No fee for either course -
- Taking the FCC Test is \$15 -

### Optional Material

- Gordon West book with all the FCC test questions, \$22 for the Technician and \$26 for the General;
- Copy of my Power Point charts, \$18 for the Technician and \$18 for the General.

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

For more information contact Walt, K1DFO, at [walt.ordway@yahoo.com](mailto:walt.ordway@yahoo.com)

## Captions to photographs and other illustrations in this month's **QRO**.

*Certain software programs that convert the text of PDF files into spoken words reportedly have difficulty converting short stand-alone text items such as photo captions and text boxes. The following combines all short text items in this month's **QRO** into a larger body of text to facilitate conversion into speech.*

Page 1: The photos at the top left show the PVARC and ARRL logos. The photo at the top right shows the Pt. Vicente Lighthouse just after sunset on a winter day. The photo at the bottom shows our cabins at Two Harbors on Catalina Island with the caption "0600 Hours, 24-Feb-2012: That's Ray, N6HE, working 80-meter early-morning CW from our station at Two Harbors. PHOTO: AI6DF"

Page 2: The photo on the far right shows a new handheld radio with the caption, "An unusual choice of bands: For about \$340, Alinco's new dual-band DJ-G29 HT transceiver covers only the 222-225 MHz and 902-928 MHz amateur bands. Both bands need more radios and usage, but repeaters are already there. PHOTO CREDIT: ALINCO "

Page 3: The illustration shows the logo of the Islands on the Air program of the Radio Society of Great Britain.

Page 5: Four photographs show aspects of PVARC's operations on Catalina Island. The top photo shows the various radio antennas arrayed at our site. The left middle photo has the caption, "Clay, AB9A, and Bill, KG6WVF, work the crowded pile-up on 10-Meters." The right middle photo has the caption, "Installing the massive tri-band Yagi beam antenna took four guys, including Joe, NZ6L on the roof with Ray, N6HE; Dan, K6DPY; and Clay, AB9A." The bottom left photo shows a laptop computer screen and has the caption, "N6HE's RTTY screen name was 'Gomer' (he'll explain why at our next meeting.) Didn't television's Gomer Pyle famously say, 'Well golly whiz, won't wonders never cease!' "

Page 6: The photo is a view of the Terranea Resort in an advertisement for Habitat for Humanity's April 21 "Palos Verdes Ride for Habitat" bicycle tour.

Page 7: The entire page is a map of the Palos Verdes Peninsula showing the locations where radio operators will be needed during the Palos Verdes Marathon on May 19.

Page 9: The photo at the top shows storage bins with electronic parts and has the caption, "Bins of electronic parts donated by Bob, W6ODI."

Page 10: The club's calendar for 2012 is shown.