

Palos Verdes Amateur Radio Club



K6PV



Addendum to April QRO: A few important things we missed and some things worth repeating.



Just a Reminder that David Greenhut, N6HD, ARRL Los Angeles Section Manager, will be our speaker this month.



The Red Onion

Join other Club members, and our speaker David Greenhut, N6HD, for dinner at the Red Onion before our meeting.

We have the back room and we meet there at 5:30. Plenty of time to chat, eat, and get to Hesse Park by 7:30. We had a pretty good turnout for the first one and there's plenty of room for more.

Since the Red Onion doesn't give separate tabs, sometimes it's a little difficult to figure the individual costs. On the right, you'll find a handy chart created by Jeff Wolf, computing food, tax and tip, so you'll know just what you owe.

The Red Onion is at 736 Silver Spur Road, RHE. (310-377-5660). Hope to see you there.

PVARC DINNER BILL TABLE				
Food +/- Drink	9.75% Tax	18% Tip	Total	You Pay
\$10.00	\$0.98	\$1.80	\$12.78	\$13.00
\$11.00	\$1.07	\$1.98	\$14.05	\$14.00
\$12.00	\$1.17	\$2.16	\$15.33	\$15.00
\$13.00	\$1.27	\$2.34	\$16.61	\$17.00
\$14.00	\$1.37	\$2.52	\$17.89	\$18.00
\$15.00	\$1.46	\$2.70	\$19.16	\$19.00
\$16.00	\$1.56	\$2.88	\$20.44	\$20.00
\$17.00	\$1.66	\$3.06	\$21.72	\$22.00
\$18.00	\$1.76	\$3.24	\$23.00	\$23.00
\$19.00	\$1.85	\$3.42	\$24.27	\$24.00
\$20.00	\$1.95	\$3.60	\$25.55	\$26.00
\$21.00	\$2.05	\$3.78	\$26.83	\$27.00
\$22.00	\$2.15	\$3.96	\$28.11	\$28.00
\$23.00	\$2.24	\$4.14	\$29.38	\$29.00
\$24.00	\$2.34	\$4.32	\$30.66	\$31.00
\$25.00	\$2.44	\$4.50	\$31.94	\$32.00
\$26.00	\$2.54	\$4.68	\$33.22	\$33.00
\$27.00	\$2.63	\$4.86	\$34.49	\$34.00
\$28.00	\$2.73	\$5.04	\$35.77	\$36.00
\$29.00	\$2.83	\$5.22	\$37.05	\$37.00
\$30.00	\$2.93	\$5.40	\$38.33	\$38.00
\$31.00	\$3.02	\$5.58	\$39.60	\$40.00
\$32.00	\$3.12	\$5.76	\$40.88	\$41.00
\$33.00	\$3.22	\$5.94	\$42.16	\$42.00
\$34.00	\$3.32	\$6.12	\$43.44	\$43.00
\$35.00	\$3.41	\$6.30	\$44.71	\$45.00



Visit Our Web Site

K6PV

www.palosverdes.com/pvarc

Club Business

Bill Cagney, KH6GJC-SK

It is with sadness that we report the loss of another long-time Club member.

Bill Cagney, KH6GJC passed away at 0530 on April 14, 2010. The cause, according to Robert Keefer, KO6UA, was probably his cancer.

Lifting information from his obituary in today's Daily Breeze: Bill was 92. His impressive service in the U.S. Army Air Corp during WWII included being a bombardier in the B-24's of the Eighth Air Force based in England and flying 28 combat missions before transferring to combat intelligence.

As a civilian, he became manager of systems engineering sales for Link Radio Corporation and then spent 28 years with Collins Radio Division of Rockwell International retiring as Western regional manager for military programs.

He was an active ham for years and owned and operated Collins Radio model KWM2A serial number one--the first one off the assembly line.

A funeral mass at St. John Fisher at Crest was held on 4/21 (today) at 10 a.m.

Neighborhood Amateur Radio Team In the news

An article in the March edition of *Peninsula People* magazine profiles John Douglass, who is helping PVE create their disaster plan.

The article mentions that an integral part of Palos Verdes Estates emergency preparations is the Neighborhood Amateur Radio Team, NART, which is run by our very own Bryant Winchell, W2RGG

PVE Police Chief Dan Dreiling has poured time and money into preparing his city for emergencies. To this end he has divided the city into neighborhoods, supplying each with an emergency base-station trailer parked at a neighborhood school. Members of Bryant's NART team will be stationed at the trailers and will provide communication between the neighborhoods and PVE city hall.

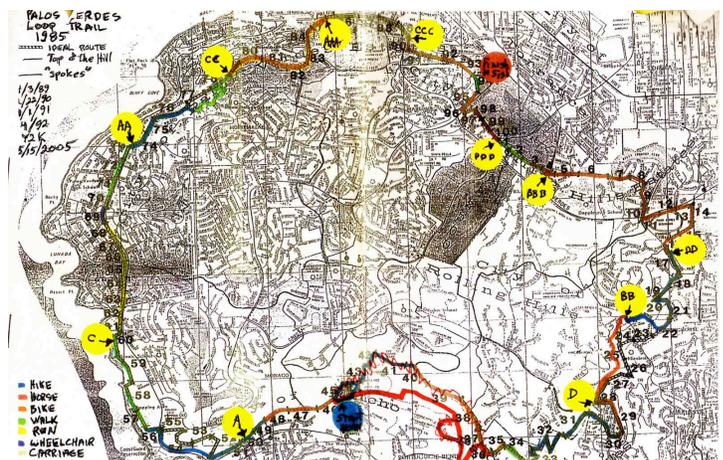
Tuesday Evening Club Net

7:30 on the Club repeater,
447.120 (-) PL 100.0.

Tracking The Trails Relay on May 1st

Every five years, Sunshine organizes a relay which is run on the 26 miles of trails around the peninsula. Beginning in Portuguese Bend at noon, one group takes off to the east and another toward the west, each carrying an olive branch which is handed off at the end of each leg. Participants walk, jog, bike, or ride a horse on their leg of the relay finally meeting at around 5 p.m. at Howlett Park for pizza and snacks.

Sunshine needs a few hams for the five hours to keep track of who is where. Contact Ginger Clark to volunteer.



The trail route with hand-off points in 2005.

Palos Verdes Amateur Radio Club



K6PV



PVARC Meets Every third Wednesday at 7:30 p.m,
Hesse Park, Hawthorne Blvd., Rancho Palos Verdes



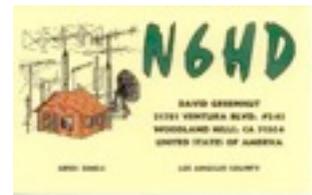
David Greenhut, ARRL Los Angeles
Division Section Manager,
is our speaker this month.



He will give a lively presentation of the Los Angeles Section Field Organization including the current status of Amateur Radio Emergency Service, the National Traffic System, Technical Coordinators and more.



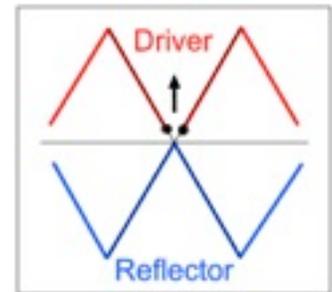
David Greenhut uses his Extra class license for DXing, contesting and emergency communications and, best of all, he says his Elmer was our very own Rocco, N6KN.





The Presidential Pace, NZ6L

I've been looking for a lightweight, compact, multi-band HF antenna able to handle legal-limit power for some time; and, given the inherent compromises in any compact HF antenna, recent experience with the "hex beam" has made this design quite alluring.



The PVARC IOTA trip to Catalina Island has had the fortune of using Doris Hughes', K6KSY, 20m portable Hex Beam made by Traffie Technologies these past couple of years, and its performance has been impressive considering its diminutive size and weight (9.4' turning radius and 7 lbs.) with gain figures of 4.5 to 6 dBd with a front-to-back ratio exceeding 20dB. The Traffie Hexbeam is a classic hex-beam design, but there will be more on this to follow.

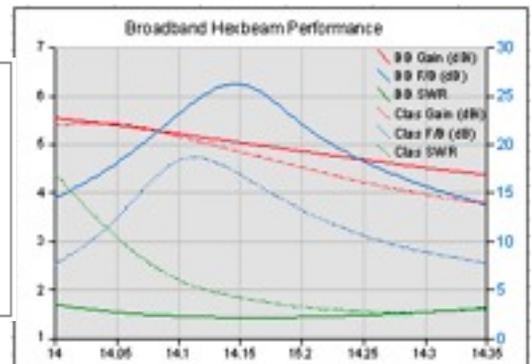
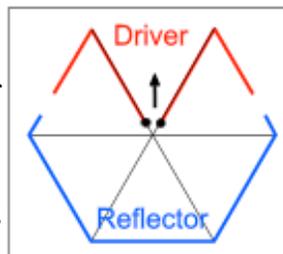
The hex-beam is named so because when viewed from above, its six spreaders form a hexagonal shape, with the driven and reflective elements for each band stretched and folded within the frame. In appearance, the antenna greatly resembles an umbrella that has been turned inside-out and lost its fabric, or also in some way an old fashioned pole-mounted clothes drying line.



Their composition is very simple, essentially just six springy, non-conductive rods affixed to a central hub, which are tensioned upwards by the combination of wire elements and non-conductive rope. The driven elements home back to a central mast section, which contains and/or supports a wiring harness (varies depending on whether this is a single or multi-band hex-beam). The natural sweep of the spreaders provides for convenient spacing and support of elements for the desired number of HF bands. There are no coils or traps involved, and the materials are commonplace and in-

expensive.

An improved design by G3TXQ offers better broadband performance, at a cost of increased size (about 15% larger turning radius) and relative weight. For fixed installations, where a turning radius of 11' is acceptable, this design offers some distinct advantages (see chart).



The nature of the hex-beam design easily lends itself to home-builders, and the Internet is rich with instructions, kits, partial builds, and ready to assemble products. One such site is <<http://www.leoshoemaker.com/hexbeambyk4kio/broadhexgeneral.html>>. And there is also a Yahoo Group for Hex-Beam kit-builders. Some major suppliers of products, kits, and parts are: Traffie Technologies, DX Engineering, KIO Technology, and Palomar Engineers.

If you are in search of compact antenna options, the hex beam design and its variants are worth a serious look. Their light weight and wind loading means that the supporting mast, rotator, and other requirements are also significantly reduced.



After some consideration, I decided to purchase a ready-to-assemble 6-band hex beam from K4KIO for my home, and with a lot of help from an old friend, Saraj Cory, KU6F, we were able to get it together in about two and a half hours. Thank goodness one of us could follow directions (see inset)!

73,
Joe, NZ6L

Guess it's back to "Wily Coyote" mode - we're OK until we actually realize we have run off the edge of the cliff and are hanging in the air...

"Sometimes I wonder whether the world is being run by smart people who are putting us on, or by imbeciles who really mean it." -- Mark Twain

Gentle Insults from Literate People

"He had delusions of adequacy."
Walter Kerr

"He has all the virtues I dislike and none of the vices I admire."
Winston Churchill

"He has no enemies, but is intensely disliked by his friends."
Oscar Wilde

"I didn't attend the funeral, but I sent a nice letter saying I approved of it."
Mark Twain



Kit fun.

Club Business



Having trouble opening the QRO on email? Want to see the complete set of pictures from Field Day, Lighthouse Weekend, or the IOTA?

You find all of that and more on the Club's website. Check it out at www.palosverdes.com/pvarc and then go thank John, WW6WW, for creating an excellent and informative, website.



The Red Onion

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Yaesu FT-857D HF/VHF/UHF compact transceiver with installed Collins narrow filters: 300 Hz CW and 2.3 KHz SSB.

Radio is in excellent condition with only one minor paint flaw on the top rear of the cabinet. Transceiver has detachable front panel for remote installations.

Package includes radio and filters, original microphone, manual, power cable, and original carton. Price new with filters was \$1005 (plus tax!).

If you have limited space and are looking for one radio that covers all HF bands plus 6 meters, 2 meters and 440 MHz, this is the radio for you. Asking \$675 – firm! Contact Jeff, K6JW at 310-373-5970.



Alinco ALD-24T/E dual band (2 meters & 440 MHz) FM mobile transceiver with copy of manual, microphone, power cable, and mobile mounting bracket. Radio is in good cosmetic condition and is fully functional. Asking \$50. Call Jeff, K6JW at 310-373-5970.

Tuesday Evening Club Net

Every Tuesday Evening at 7:30 on the Club repeater,

447.120 (-) PL 100.0.



Handy Red Onion

Payment Chart compliments of Jeff Wolf, K6JW

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\$27.00	\$2.63	\$4.86	\$34.49	\$34.00
\$28.00	\$2.73	\$5.04	\$35.77	\$36.00
\$29.00	\$2.83	\$5.22	\$37.05	\$37.00
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Thousand Hour Pins

Thank you Denzel Dyer, KG6QWJ,
for sending this to us.

Congratulations to the following
Club members (and other locals working
out of Station 17) who have earned their
pins for working 1,000 hours (or more)
for the Disaster Communications Service.

Club members are in **bold**

- Bob Avakian, WA6KZF
- R. Deane Bouvier, N5DQ
- Herb Clarkson, KM6DD**
- Meridith K Eick, K6QEC
- Chuck Galbasin, KG6RPN
- Bill Harper, WA6ESC**
- Jim Hurzeler N6TKL, NART member
- Dave Jeheber, WA6EKR
- Jim Johnson, WA6OZJ
- Chuck Lobb, KN6H
- George Ortega, KD6JBW
- Joe Pace, NZ6L**
- Howard Rogers, KF6NOR
- Mike Semos, N6DBS**
- Alan Soderberg, W8CU**
- John Wilson, AE6LK
- Bryant Winchell, W2RGG**

Pins will be presented at the STARS center on April 24th at 0830 hours. Congratulations to you for your well-deserved recognition.

Field Day 2010

Jeff Wolf, K6JW



Hey, kids! What time is it?

Clue: It's not Howdy Doody time.

But, yes, it's *that* time again. Yes, time to start thinking about Field Day, the largest and most important of all amateur radio operating activities.

What is Field, Day, you ask, and why is it important?

Field Day is an emergency preparedness exercise that allows us to practice setting up and operating over a continuous 24-hour period under "field" conditions similar to those that would exist in a national emergency or other disaster. It's not a contest, but it's run like one, with the goal being to make as many contacts as possible with other stations over the 24 hours of the event. It's important because it allows us to demonstrate to the community our ability to provide health and welfare communication as well as critical communication links when telephones are down and when multiple services – fire, police, disaster relief agencies – using different radio equipment on different frequencies cannot communicate with one another.

The PVARC has had its own Field Day event every year without fail since 1990, and even before that, it jointly sponsored a Field Day event with Northrop, so our history of participation in this ARRL-sponsored event is long and proud.

How does Field Day work?



CW Tent, Field Day 2008

We set up our stations – usually one for HF phone (SSB), one for HF CW, and one for VHF/UHF phone (FM and/or SSB) beginning at 7:30 AM on Saturday morning. We go "live" at 11 AM and, from then until 11 AM on Sunday, we're on the air giving out our station-specific information ("the exchange") to each station we contact. Each contact lasts mere seconds before moving on to the next. It's fun and exciting, and we're always eager to see how we performed when the station rankings are published in the December issue of *QST*.

No prior experience is necessary for you to participate. We always have experienced hams on-site to mentor newcomers.

Here's what we need, though. We need YOU!. We need you to help set up on Saturday morning and to tear down on Sunday, of course. But, most of all, we need you to operate and log contacts. As I said, no prior experience required. We'll show you all you need to know.

We always need folks to fill the following positions and provide the listed supplies for the event, so please consider volunteering. If no one volunteers for a given role or to provide some needed supply, it simply will be lacking at the event. You won't believe how much fun you'll have if you get involved! (Some items are not listed below because they're typically provided by folks likely to do so again.)

Positions:

- SSB Station Chief: Oversees setup and operation of the SSB station. This could be a shared position, with more than one person providing the necessary coordination and oversight.
- SSB radio/power supply: Radio must have narrow filtering (1.8 to 2.3 KHz analog or all DSP) because the bands will be

chaotic. Without narrow filtering, making contacts will be difficult for everyone, and especially for newcomers. A backup rig should also be available in case the primary radio goes down. (Yes, this has happened occasionally in the past.)

- SSB station graveyard shift operator(s) and logger(s).
- Daytime and evening operators and loggers.
- Site Safety Officer.
- Publicist.
- Computers: 1 each for CW and SSB stations, with backups available. (The CW station computer is generally provided by the same person every year.)
- Someone to obtain site keys and assure that sprinklers are disabled. (Usually done by the same person every year, but a backup person would be helpful.)
- 40 & 80 meter dipoles for CW and SSB stations.
- Coax (minimum 50 foot lengths) & barrel connectors.
- Operating desks for CW and SSB stations.
- Tents for CW and SSB stations. (The CW tent is usually provided by the same person every year, but a backup would be welcome.)
- Chairs -- minimum 3 for each station. (Extra chairs generally provided by the same person each year but we shouldn't take it for granted!)
- Pads/pencils
- Trash bags.
- Cooling fans for CW and SSB tents.
- Lamps for CW and SSB tents.
- Heavy duty extension cords – 50 foot lengths.
- Plug strips.

Generators, the CW station, some coax, and triband Yagi antennas for the CW and SSB stations are typically provided by the same people

every year. Unless an urgent call goes out for these items, you may assume that they're covered.

I am willing to act as the clearing house for all of the above as well as for items and roles not on the list but which are generally provided by the same people every year. Remember, however, that what is not volunteered simply will not be there, so if Field Day is important to you – and it should be! – VOLUNTEER your time, your effort, and your stuff. You'll be glad you did, and you'll be helping your club and the community.

73,

Jeff, K6JW

Since Jeff's keeping the Field Day lists, let him know what you'll volunteer for. Contact him through his email address (found on the Club roster) or waylay him at the meeting.



Order this year's gorgeous Field Day pin at <http://www.arrl.org/catalog/?item=0401#top> They're \$5 each.



Dan Colburn, W6DC, setting up for Field Day, 2008.



Field Days Past



The Palos Verdes Marathon is Running on May 15

PVARC is again providing radio communications for the Palos Verdes Marathon, which this year will be during the morning of May 15. The PV Marathon is a great opportunity for PVARC members to enhance their communication skills while providing public service close to home along a scenic coastal route. Proceeds from the Palos Verdes Marathon go to the Rolling Hills Estates Kiwanis Club, which donates these funds to charities on the Peninsula and adjacent cities.

We will need 20 amateur operators. Returning operators and first-timers are both welcomed. If you are interested in being a PV Marathon radio operator this year, please contact Diana Feinberg, AI6DF, at ai6df@verizon.net or at a monthly PVARC meeting.

Ridgecrest Intermediate School 5K Walt Ordway, K1DFO

The 2nd annual Ridgecrest 5K run was on 21 March. It is held on the same horse trails as the Rolling Hills Estates 5K. Last year there were around 450 kids but this year there were over 600 runners. Some of you may know that this is a fund raiser for the school. It will most likely become an annual event.

Walt, K1DFO, organized the communications and was the Net Control. Several local hams provided communications at various locations on the course, including two hams who were the “sweepers” on their horses. The hams providing radio support for this event were: Denzel KG6QWJ, Herb KO6RC, Marty KF6VSY, Curtis KI6KUK, Mathew N5MDC, Jay KI6FVY, Melody KI6SPA and her husband, Heidi KG6VVC and Walt K1DFO. The “sweepers” were Melody, her husband and Heidi.

The First Rookie Roundup -- Coming April 18!

The ARRL's newest contest -- the Rookie Roundup -- is designed as a modern equivalent to the ARRL Novice Roundup from a few decades ago. The first Rookie Roundup is scheduled for April 18 and will be a SSB contest.

The Rookie Roundup is six hours of fun on a Sunday afternoon that is designed to give new hams a chance to get their feet wet on HF and 6 meters. Old-timers are encouraged to get on the air and work the Rookies, just as in they did in the Novice Roundups. The six hour event -- from 1800 UTC-2359 UTC--will be held on the third Sunday of April, August, and December. SSB, RTTY, and CW will be featured in the different months.

Who is a Rookie? Any amateur licensed for three years or less, regardless of license class. If you received your license in 2008, 2009 or 2010, you're eligible to compete as a Rookie. Non-rookies are encouraged to work the Rookies and be an Elmer to those just starting out.

ARRL Contest Branch Manager Sean Kutzko, KX9X, has created a [blog](#) for the event to provide up-to-date news, the official rules and answer common questions for the Rookie Roundup.

The Rookie Roundup is a golden opportunity to have fun, learn new skills and provide many Elmering opportunities. We hope to see you on the air April 18!

For the complete article go to:

<http://www.arrl.org/news/stories/2010/04/08/11426/?nc=1>



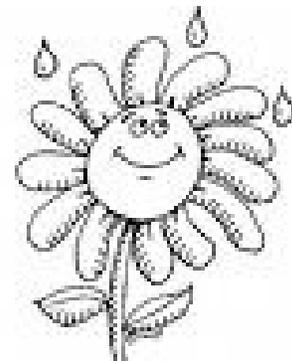
From the Orange ARRL newsletter courtesy of Carl Cardenas:

The next southern California on-foot transmitter hunting event will be Saturday, April 10, 2010 in the Mineral Wells area of Griffith Park in Los Angeles.

If you are a beginner, there will be entry-level two-meter fox transmitters just for you, set by Joe Moell K0OV. For more experienced radio-orientees, there will be a 5-fox two-meter international-rules course of moderate difficulty, set by Marvin Johnston KE6HTS. An optional 80-meter fox transmitter may also be on the air.

Kit building starts promptly at 10 AM, followed by the beginner hunt. Please register in advance by sending e-mail to marvin@west.net, so he will have the kits reserved in your name waiting for you. The main 5-fox hunt will commence at 10 AM also. Hunters may start out on the courses at any time until 1 PM. Courses close at 3 PM. Visit: <http://www.homingin.com/> for further information for directions and map or email Joel K0OV at k0ov@homingin.com For more from this newsletter from Carl Cardenas, go to:

<http://www.orange-arrl.org/web/PDF%20Files/Jan%20-%20Apr%202010.pdf>,





Amateur Radio Course

FCC “Technician” course (Level One)

A two session course

held on

April 24th and May 1st

10:00 AM to 2:00 PM both Saturdays

FCC tests will be on May 8 (the next weekend)

10 AM to noon

Hesse Park, 29301 Hawthorne Blvd.

Rancho Palos Verdes

- No pre-registration or fee required -
- Taking the FCC Test is \$15 -

Optional Material

- Gordon West book with FCC test questions - \$21,
- Copy of my Power Point charts, \$15 -

Students (thru grade 12) who take this course and get their license will be reimbursed up to \$50 by the Palos Verdes Amateur Radio Club

For more information contact
Walt, K1DFO, at walt.ordway@yahoo.com

Schedule of Events

January 20 th – General Meeting
February 17 th – General Meeting
February 24 th -28 th – Catalina IOTA Trip
March 17 th – General Meeting
March 21 st – Ridgcrest 5K
April 21 st – General Meeting
April 24 th – Tech Class Part 1
May 1 st – Tech Class Part 2
May 1 st – Palos Verdes Loop Trail Relay
May 8 th – VE Session at Hesse Park
May 15 th – Palos Verdes Marathon
May 19 th – General Meeting
June 16 th – General Meeting
June 26 th -27 th – ARRL Field Day!
July 21 st – General Meeting
August 14 th – RHE 5K/10K Run/5K Walk
August 20 st -22 nd – Lighthouse Weekend
August 22 nd – Summer Picnic at Pt. Vicente
September 15 th – General Meeting
September 18-19 th – Concours d'Elegance
October 20 th – General Meeting
November 17 th – General Meeting
December 15 nd – Holiday Dinner @ PVIC

March 2010

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			

June 2010

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			

September 2010

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		

December 2010

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	

February 2010

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						

May 2010

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			

August 2010

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			

November 2010

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				

January 2010

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 2010

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

July 2010

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

October 2010

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						

Palos Verdes Amateur Radio Club – Schedule of Events 2010





K6PV

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

New Membership Application and Member Renewal Form

New: _____ or Renewal: _____ Membership Date: _____

Individual _____ (\$15/Year) or Household and/or Family Membership _____ (\$17/Year)

(Applying) New Member Information: or **Member Renewal: same as Last Year? YES ___ NO ___**

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 Date: _____
(Only: Month - Day)

Member of: (DCS, RACES, ARES, PVAN, NART) _____ District _____ Unit ID # _____

Additional Household and/or Family Members (if Applicable):

Name _____ Call _____ Class _____ ARRL _____ Birth Date: _____
(Only: Month - Day)

Name _____ Call _____ Class _____ ARRL _____ Birth Date: _____
(Only: Month - Day)

Name _____ Call _____ Class _____ ARRL _____ Birth Date: _____
(Only: Month - Day)

Individual membership (\$15.00) \$ _____
Household and/or Family membership (\$17.00) \$ _____
Donation to the John Alexander Fund \$ _____
Donation to the Repeater Fund \$ _____
Donation to PVARC \$ _____
Cash: _____ or Check #: _____ Date _____ TOTAL \$ _____

Please make checks payable to: Palos Verdes Amateur Radio Club (PVARC)

NOTE: Dues are based on January 1st to December 31st of the calendar year.