



QRO

THE MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

JANUARY 2013

NBEMS: A Growing Digital Mode For Any VHF/UHF Amateur Radio With Almost Any Personal Computer

NBEMS (Narrow-Band Emergency Messaging Software) will be the topic at our January 16th club meeting, presented by PVARC members Norm Thorn, K6UU, and Diana Feinberg, AI6DF.

What is NBEMS? It's a sound-card based digital messaging mode that works with any amateur radio using free software available for Windows, Mac, and Linux operating systems. In most cases, no additional equipment is needed other than a personal computer. NBEMS will probably work on tablet computers in the not-too-distant future as those operating systems mature.

NBEMS has been adopted by many disaster amateur radio organizations in the past two years. Learn more about it at our January 16 meeting.

"NBEMS: Narrow-Band Emergency Messaging Software"

Norm Thorn, K6UU
Diana Feinberg, AI6DF

When: 7:30 pm, Wednesday,
January 16, 2013
Visitors Welcome

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

Special Notice: Date Change for PVARC's February 2013 Meeting

Our February club meeting will be held at Hesse Park on the 2nd Wednesday, February 13th, due to our IOTA DXpedition on Catalina Island which begins on February 20th. This is a one-time change from our meeting schedule on the 3rd Wednesday of each month.

Let's Utilize Our Club's Repeater

By Diana Feinberg, AI6DF
PVARC President

Listening to our club's K6PV repeater in recent months has been challenging. It's challenging because aside from Monday evening's PVAN nets for 15 minutes and Tuesday night PVARC nets for 20 often there's nothing to hear except the periodic CW identifier and K6SY's cheerful hourly announcement, "This is the Palos Verdes Amateur Radio Club repeater, K6PV,....."

We expect K6PV will be heavily worked during a major disaster, but why not work K6PV regularly all year? There is no reason not to and now there's something new. Introducing the K6PV Century Club Award.

Say what? To encourage using our repeater, the K6PV Century Club certificate will be given annually to any member who completes 100 contacts on K6PV in a calendar year. Please read on: It's not as difficult as it sounds, but K6PV will sure sound better.

Here are the simple rules, as approved by your club Board of Directors:

1. Only QSO's made on the K6PV repeater count for credit--that means all contacts must use 447.120 MHz (-), PL 100.0.
2. A QSO with another PVARC member counts as **three** contacts, but only one QSO with each PVARC member is allowed for credit each year. (In other words, contacts with 33 unique PVARC members via K6PV would equal 99 contacts for award purposes—each member may only be worked once per calendar year for award credit, but additional non-credit contacts with fellow members are encouraged throughout the year.)
3. QSO's with non-PVARC members via K6PV count as **one** contact. Only one contact per calendar year with each non-PVARC member counts for award credit.
4. Two non-members may contact each other on K6PV for one contact point apiece, with only one contact per calendar year between them qualifying for award credit.
5. Documentation consists of Date, Time, and Other Station's Call sign in a log that must be submitted to be considered for an annual award.
6. The annual deadline to turn in logs is one week before the club's December Holiday Dinner.
7. Logs are mostly on the honor system, but subject to inspection when submitted.
8. Award Certificates for 100 or more contacts will be presented at the annual Holiday Dinner.
9. A Net Control Operator for PVARC's Tuesday night nets may count for his/her award credit all check-ins of club members and non-members acknowledged while serving as NCO, with any call sign allowed award credit once in a calendar year (at the rate of three contact points for a club member, one contact for a non-member).
10. Guest NCOs for our weekly nets are welcomed and encouraged! How about you?

There's now plenty of reason to use K6PV outside of Monday and Tuesday night nets, so do take advantage of K6PV as a valuable communication medium—whether from your base station, mobile unit, or HT. Thanks go to our Treasurer, Bob Sylvest, AB6SY, for devising the K6PV Century Club Award and its framework.

I look forward to making contacts with all PVARC members in the year ahead and, to re-phrase a motel chain's signature line, "We'll leave the repeater on for you." ■

K6PV Century Club - 2013

Available for Taking at Our January 16 Meeting...

Electronic Components:

An encore array of electronic components donated by Bob Lace, W6ODI, and George Fritzel, KD6TWB, will be available at our January 16th meeting for PVARC members to freely take.

Many donated components have been claimed by members at monthly club meetings between March and September 2012. Components not taken then were stored and sorted into the "best of the remainder". Perhaps some of the remaining parts will work for your projects.

Components not claimed at our next meeting (plus "junk" deemed unusable) will be properly recycled through the hazardous waste process. It's fair to say many amateurs have a "junk box". We thank Bob and George for sharing theirs with us.

Foreign Postage Stamps:

If you or a family member collect postage stamps, Ray Day N6HE, will be bringing to our January 16th meeting an assortment of foreign stamps he's received with QSL cards.

Interested members are free to take these stamps for their collections or their relatives'. Given the U.S. Postal Service's decision to discontinue selling international postal reply coupons as of January 23, 2013, future QSLs may not provide such a cornucopia of foreign stamps. It's likely QSL bureaus and electronic formats such as the ARRL's Logbook of the World will find greater usefulness. ■



Above: International stamps, anyone? These aren't Ray's but you get the picture.

Today's Thought: Yes, everybody sometimes has a bad day in cyberspace (Jan. 10, 2013):

http://www.qsl.net/lm... QRZ.COM Callsign Dat... AT&T Login - att.net The top news headline... eHam.net Home - Ama... CNN.com - Breaking N

Oops! Google Chrome could not find www.google.com



Suggestions:

- Try reloading the page
- Search on Google:



*Scenes from our Holiday Dinner,
December 12, 2012*

Dale Hanks, N6NNW, Receives 2012 PVARC Rhombic Award

The PVARC's annual Rhombic Award since 2008 has honored members for continued service to our club over the years, though perhaps such service was not fully noticed by our membership.

Dale Hanks, N6NNW, received our 2012 Rhombic Award at the PVARC's 2012 Holiday Dinner. Dale served as a President and Board member of the PVARC during the 1980's, but has since given extensive service during every Field Day and many other club events. Thank you, Dale.

The Rhombic Award's design includes a short length of wire from the enormous rhombic antenna formerly at the "radio ranch" of legendary DXer Don Wallace, W6AM (SK) located on Highridge Road near Crestridge in Rancho Palos Verdes. That site is now the "Wallace Ranch Estates" neighborhood of luxury homes. ■

For more photos of our 2012 Holiday Dinner visit :
<http://www.palosverdes.com/pvarc/PhotoGalleries/2012HolidayParty/slides/>



PHOTOS: DIANA FEINBERG, AI6DF (TOP);
JOHN FREEMAN, WW6WW (CENTER AND BOTTOM)

Soleado School's ISS Contact Is Ready to Go

All systems are "Go" for Soleado Elementary School's amateur radio contact with the International Space Station, expected during the week of January 21.

The exact date and time have not been announced, but Tuesday, January 22, offers the best opportunity with a direct overhead pass at 8:30 am when students are at the school. The International Space Station's elevation is expected to reach 87-degrees (almost vertical) on that pass. Other days of the week offer lower elevation angles with Soleado School. As this issue of **QRO** was finalized, Monday, January 21 has been eliminated as a possible date.

All equipment at Soleado is in place and tested, including the rotating antenna system that will track the ISS across the horizon. Gear installed includes two Yaesu FT-847 transceivers, two amplifiers, two 50-amp power supplies, and the NOVA satellite tracking software. Charlie Sufana, AJ9N, who spoke at PVARC's October 2012 meeting as the ARISS coordinator for our region, will be bringing a rack full of backup equipment should all else fail.

PVARC members assisting with Soleado's ARISS project now include: Bryant Winchell, W2RGG; Bob Sylvest, AB6SY; Peter Landon, KE6JPM; Brad Perranoski, KJ6UML; Dale Hanks, N6NNW; Knut Myhre, N6BNP; and Clay Davis, AB9A.

A video of the entire ARISS contact at Soleado along with background information covering preparatory work for it are expected to be the basis of an upcoming presentation at a PVARC monthly meeting this Spring. ■



Above: Peter Landon, KE6JPM, on the roof at Soleado Elementary School adjusting the antenna rotation system for tracking satellites and the International Space Station using NOVA software.

PHOTO: BOB SYLVEST, AB6SY



The Yaesu FT-847 multi-band transceiver, sold from 1998 through 2005, was promoted as a "satellite" radio due to its 0.1 Hz fine tuning steps for Doppler shift frequency changes; four separate antenna connections for HF, 6-meters, 2-meters, and 70-cm respectively; plus other capabilities for tracking satellites.

Last call for joining 2013 IOTA DXpedition to Catalina

The PVARC's operator team is almost finalized for our 2013 Islands on the Air DXpedition to Two Harbors on Catalina Island. But the moment of final commitment is just a few days away, as accommodations must be booked and equipment needs planned.

Any member intending to participate must notify our DXpedition leader Ray Day N6HE by the end of our January 16 club meeting, sign the liability release form, and give Ray a check for your accommodations. Cabin rates are \$40 per night on Wednesday and Thursday; \$50 per night on Friday and Saturday. Members may come for all or part of the DXpedition.

The 2013 operator team so far consists of: Ray, N6HE (Fearless Leader); Bob, W6HIP; Bob, AB6SY; Clay, AB9A; Diana, AI6DF; Jeff, K6JW; Joe, NZ6L; Peter, KE6JPM; and Steve, K6NT.

We look forward to working more European pile-ups from Catalina this year as "K6PV/Portable 6". We might even see another buffalo "pile-up" too. Last year three male buffalos heard the early morning Sunday sound of 20-meter SSB and butted heads with each other near our hexbeam antenna. ■



Above: Bob, W6HIP, offloading some of our nearly 1,000 pounds of gear from the boat.
PHOTO: DIANA FEINBERG, AI6DF

Below: Ray, N6HE, listens to the SSB pile-up on 15 meters; note DX cluster path map on computer at right.
PHOTO: JOE PACE, NZ6L



Some Views of Our 2012 IOTA DXpedition



Above: Most of the operator team assembling 20-meter hexbeam antenna loaned by Doris, K6KSY.
PHOTO: RAY DAY, N6HE

Below: These big guys had their own pile-up near our site before retreating for Sunday breakfast.
PHOTO: RAY DAY, N6HE



Bob Sylvest, AB6SY, Named New Leader of PVE's NART Succeeding Retiring Founder Bryant Winchell, W2RGG

Last month's **QRO** reported on Denzel Dyer, KG6QWJ, becoming the new leader of Rancho Palos Verdes' PVAN disaster amateur radio organization. This month, Palos Verdes Estates' Neighborhood Amateur Radio Team (NART) has a new leader too as of January 1st.

Bob Sylvest, AB6SY (also currently PVARC Treasurer) became NART-001, succeeding Bryant Winchell, W2RGG, who founded and led NART for 20 years. Bryant announced his retirement as

NART head last month, but will continue as a NART member and advisor.

Other members of NART's leadership team (all but one are currently PVARC members) consist of:

- Bill Harper, WA6ESC, NART-002 Technical;
- Clay Davis, AB9A, NART-003 Training;
- Don Culler, KJ6FLI, NART-004 Recruitment;
- Matt Orlich, WA6AJC, NART-007 Technical;
- Ginger Clark, KG6TAU, NART-005 Documentation



Above: NART Founder Bryant Winchell, W2RGG, shown operating HF from NART's mobile command post vehicle. PHOTO: NART

Below: Bob Sylvest, AB6SY (left), and Clay Davis, AB9A, operating at the Palos Verdes Estates EOC. PHOTO: NART



By Bob Sylvest, AB6SY NART-001

NART was organized in 1993 with four charter members and today consists of just over 40 licensed amateur radio operators, working toward a goal of 100 members in total. NART reports to and is supported by the PVE Police Department. Volunteers who apply, complete a training and orientation course and become NART members all also become sworn Disaster Service Workers, carry City ID cards when participating in events and wear identifying shirts and caps issued by the Police Department. NART is an integral part of disaster response in the city of PVE, and the intent of the following few paragraphs is to illustrate how the city is organized to deal with a disaster and the role NART plays.

The Mission

NART's mission is to provide two-way radio communication links among the city's Emergency Operations Center, its Mobile Command Post and its Disaster District command centers. NART is thus tightly wound into PVE's disaster response program. A few words about PVE's program will show it works and NART's role in disaster response.

PVE's DDP

Recognizing that city resources such as the fire and police departments would be quickly overwhelmed if a major disaster were to strike, and realizing that

Continued on next page ►

NART has New Leader, AB6SY

► *Continued from previous page*

a loss of the electrical grid would also paralyze internet and telephone cell service, the City Council set out to define a program whereby local citizens could be mobilized and act as the first responders and be self sufficient until outside resources could arrive. Existing organizations such as CERT, Neighborhood Watch and the PVE Cares initiatives were tied in to what became known as the PVE Disaster District Program, or DDP.

In trying to divide the city into manageable chunks, the Council took into account that there are six widely-spaced public schools in the city of PVE, and these sites seemed to form natural focal points for disaster response. So the city was "divided" into six districts, corresponding geographically to these six school areas. Agreements were made with the PVP School District to locate storage containers on school grounds to house all manner of equipment and support items for the use of first responders who arrive to provide volunteer assistance, including mainly CERT-trained neighbors.

In the event of a disaster activation, each container site becomes a local "command post" for its district, operating with the Emergency Operations Center as the focus of City response. The areas around these local command posts each include some 800-1500 houses that will need to be addressed, and first aid or other response will need to happen with volunteers dispatched in a street-by-street assessment process. At the local command posts, leaders and deputies will have assumed pre-planned roles for managing these assessment efforts and to prioritize situations encountered for either local or city resource response.

The Role of NART

So where does amateur radio fit in all this? At the most local level, HT-equipped NART members will participate in the assessment and reporting process. And most of the communications of tactical information in an emergency will be

handled by NART personnel. Each of the six command posts is equipped with a dual band radio that will be manned by NART. The Emergency Operations Center at City Hall and the Police Department's Mobile Command Post each have multiple radios, and the 911 call center has one as well. NART members will man these radios as well as use their own HTs for field support work.

After setup of the equipment, NART's role is to provide radio messaging among all these locations, relaying search and rescue information and supporting tactical response to local situations.

NART Capabilities

Due to the topography of the city of PVE, simplex communications are impossible among all locations within the city limits. The City has provided primary and backup repeaters with antennas at high points that enable communications throughout the surrounding area. NART has developed a band plan for VHF and UHF operations, and The Mobile Command Post also houses an HF rig for the event that operation outside the UHF/VHF range is needed.

A Call for Participation

To be ready for the sudden and extended demand for radio connectivity in the event of a disaster in PVE, upwards of 100 operators are needed for the City alone to cover a 24/7 schedule.

Today NART has 40 members who mostly live in PVE. They range in experience from the seasoned ham to the newly licensed. But in an emergency, it is the willingness to help that is most critical. Anyone with an interest in volunteering or just seeking additional information is welcome to contact Bob Sylvest. Additional information is available at the NART website: www.palosverdes.com/nart ■

More On Our Disaster Amateur Radio Organizations...

Honor for Founding PVAN Chair:

Recently-retired PVAN Founding Chair Alan Soderberg, W8CU, will be honored by the Rancho Palos Verdes City Council at the Council's January 15 meeting. Alan led PVAN from its founding in 2003 until last month and oversaw the organization growing to nearly 90 amateur operators. He also had a major role in establishing the city's Emergency Communications Center. The agenda item for Alan's recognition is near the start of the Council's meeting at 7:00 pm in Hesse Park's Community Room.

PVAN Eastside Repeater Antenna Installed:

After many twists and turns, a UHF antenna for PVAN's second repeater was installed early this month on Verizon Wireless' tower atop 1,440-foot high San Pedro Hill. This repeater will be on a different frequency from K6PV and cover Rancho Palos Verdes' eastside area.

Kaiser Permanente Seeks Amateur Operators:

The Kaiser Permanente Amateur Radio Network (KPARN) is aggressively looking for amateur operators to support emergency communication needs at Kaiser's numerous hospitals and clinics. Kaiser's South Bay hospital on Pacific Coast Highway in Harbor City will have a new ham radio room next year inside the main hospital building under construction there. For more information, see KPARN's website: www.kparn.org or contact Duane Mariotti, WB9RER, wb9rer@gmail.com.

Little Company of Mary Radio Amateurs:

The Providence Little Company of Mary Hospitals in Torrance and San Pedro also have their own disaster amateur radio organizations with a dedicated operator group. For more information on them, see their website at: www.gsl.net/lcmra

L.A. County Disaster Communications Service Open for New Members

The L.A. County DCS organization's Lomita District is seeking additional members. The next semi-annual new member training date is Saturday, February 9, at the County Emergency Operations Building. To join or for more information about the Lomita District DCS group, see their website at: www.gsl.net/lmtdcs or contact Diana Feinberg, AI6DF at dfeinberg@att.net. ■

◆ 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	Peter Landon, KE6JPM
Past President	Jeff Wolf, K6JW
Directors:	Ray Day, N6HE
	Joe Pace, NZ6L

Appointed Offices:

QRO Editor	Diana Feinberg, AI6DF
Asst. to Editor	Paige Omoto, KI6MAH
Webmaster	John Freeman, WW6WW
Club Librarian	Bryant Winchell, W2RGG
K6PV Repeater Trustee	Mel Hughes, K6SY
VE Coordinator	Dave Scholler, KG6BPH
VE Liaison	Diana Feinberg, AI6DF

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Website: 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 shown back-lit on a winter day. PHOTO: DIANA FEINBERG, AI6DF

PVARC Board Election Set for February 13th Club Meeting

PVARC members will be asked to elect the club's 2013 officers and directors at our February 13th meeting.

The club's board, acting as a nominating committee, recently slated the following members who have committed to serve the club on its 2013 board:

For President: Diana Feinberg, AI6DF
 For Vice President: Clay Davis, AB9A
 For Treasurer: Peter Landon, KE6JPM
 For Secretary: Malin Dollinger, KJ6HUB
 For Director: Ray Day, N6HE
 For Director: Joe Pace, NZ6L

Additional nominations, if any, will be taken from the floor at our January 16th meeting. Any contested positions will be voted in a secret ballot process as was conducted last February. Only paid members are eligible to vote. ■

We Say Again: Club Dues Are Coming Due

A reminder to all members: PVARC annual membership dues are due by January 31st each year. Members who haven't renewed by then will be dropped from the club roster. We thank you if you have already renewed your membership.

As always, a membership form appears in this **QRO** issue. A completed and signed membership form is needed each year from every member.

PVARC continues to have among the lowest annual dues of all Los Angeles area amateur radio clubs not sponsored by an employer: we're still \$15 a year for individual members, and \$17 for a family. ■

Desert RATS' Jan. 26, 2013 Hamfest Cancelled

Be advised the Desert RATS' January 26th ARRL Hamfest in Palm Springs, advertised in recent **QRO** issues, has been cancelled due to permit issues. The hamfest site had an environmental matter that could not be addressed in time. ■

WELCOME NEW MEMBERS OF THE PALOS VERDES AMATEUR RADIO CLUB IN 2013

John Boccaccio, KJ6VVG

Alan LeFever, KF6BTO

Chris Storey, KA6WNK

Tom Bell, KJ6YCM

Mary Ann Bell, N6ZHR

Norm Thorn, K6UU

Denise Thorn, KF6VTN

Kees Steeneken, KJ6YUT

Ron Anderson, KK6AAZ

Laura Behenna, KK6BFI

Check Out Spectacular Video of Giant Solar Flare

NASA has made available a short video clip of a massive solar flare (dubbed a "solar ballet") that extended 160,000 miles from the Sun's surface on Dec. 31, 2012.

You can see it at:

http://www.nasa.gov/mission_pages/sdo/news/solar-ballet2.html.

Thanks to Clay, AB9A, for mentioning this.

As this issue of **QRO** is written, the solar flux index is ranging between 160-180, the highest in the past year. The highest SFI reading in the current solar cycle was 190 recorded on September 24, 2011. On the other hand, the SFI was a disappointing 97 during our 2012 Lighthouse Weekend in August. ■

Palos Verdes Amateur Radio Club 2013 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
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27	28	29	30	31		

April						
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July						
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October						
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February						
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May						
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November						
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June						
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September						
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29	30					

December						
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29	30	31				

 Club Activity  Club Public Service

2013 Major Contest Dates

 ARRL  CQ Magazine and Other

- Jan. 5-6: ARRL RTTY Roundup
 Jan. 19-21: ARRL January VHF Sweepstakes
 Jan. 26-27: CQ Worldwide 160-Meter (CW)
 Feb. 9-10: CQ Worldwide RTTY WPX
 Feb. 16-17: ARRL DX (CW)
 Feb. 23: North American RTTY QSO Party
 Feb. 23-24: CQ Worldwide 160-Meter (SSB)
 Mar. 2-3: ARRL DX (SSB)
 Mar. 30-31: CQ Worldwide SSB WPX
 May 25-26: CQ Worldwide CW WPX
 Jun. 8-9: ARRL June VHF Contest
 Jun. 22-23: ARRL Field Day 
 Jul. 13-14: IARU HF Championship
 Jul. 20-21: CQ Worldwide VHF
 Aug. 3-4: ARRL UHF Contest
 Sept. 14-16: ARRL September VHF Contest
 Sept. 28-29: CQ Worldwide RTTY DX
 Oct. 5-6: California QSO Party
 Oct. 26-27: CQ Worldwide SSB DX
 Nov. 2-3: ARRL Sweepstakes (CW)
 Nov. 16-17: ARRL Sweepstakes (SSB)
 Nov. 23-24: CQ Worldwide CW DX
 Dec. 6-8: ARRL 160-Meter Contest
 Dec. 14-15: ARRL 10-Meter Contest

PVARC Nets

Every **Tuesday** at 7:30 pm on K6PV, 447.120 MHz (-), PL 100.0, all club 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. A no-host dinner is held at 5:30 pm before club meetings at the Red Onion Restaurant, 736 Silver Spur Road, Rolling Hills Estates.

August 18: Annual family picnic at Pt. Vicente Lighthouse in conjunction with International Lighthouse & Lightship Weekend.

December 11: Holiday dinner (location to be announced).

PVARC Public Service Events (Tentative Dates)

- April 20:** Habitat for Humanity's "Palos Verdes Ride for Habitat" Bike-A-Thon
May 11: Palos Verdes Half Marathon & 5K
August 10: Rolling Hills Estates "Hills Are Alive" 5K/10K
Sept. 2: L.A. Harbor "Conquer the Bridge" Race
Sept. 21: RAT Beach Bike Tour
Oct. 13: Mary's Promenade 5K/10K

PVARC's Islands on the Air Annual DXpedition

Feb. 20-24: 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: _____ **RENEWAL:** _____ **MEMBERSHIP DATE:** _____

Last Name: _____ First Name: _____ Spouse: _____

Street Address: _____

City: _____ Zip: _____

Phone: Home _____ [] Work _____ [] Cell _____ []
 (please indicate [x] which number(s) [limited to two] you would like included in the PVARC roster)

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 1st to December 31st year.
 All New and Renewal Member applications must be signed below.

In applying for or renewing my membership in the Palos Verdes Amateur Radio Club, 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: _____



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 700,000 men, women, and children in the United States from all walks of life who are licensed to operate ham radios.

Two Free Amateur Radio Courses

FCC "Technician" course (entry level)

FCC "General" course (2nd level)

Each course is 2 sessions

The next sessions are on 23 February & 2 March 2013

Technician 9:30 AM to 2:00 PM both Saturdays

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

FCC tests will be 10:00 AM to Noon on 9 March 2013

The Palos Verdes Amateur Radio Club will make a brief presentation at 9:30 AM at the start of the 23 February Technician class on how to get further involved with amateur radio.

The location is Fred 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 (sold at cost)

- Gordon West book with all the FCC test questions,
\$22 for the Technician, \$26 for the General;

- Copy of PowerPoint charts: \$18 for the Technician, \$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

2013 Arizona State Convention

9th Annual

Yuma Hamfest

Yuma, Arizona

Feb. 15 & 16, 2013

Yuma County Fairgrounds
2520 East 32nd Street, Yuma, Arizona



www.yumahamfest.org

Check the Website for Additional Information
and a Current Schedule of Activities and Seminars

<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>Buzzard BBQ & 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
Famous Buzzard BBQ
ARRL Speaker
\$5.00 Admission

Tailgating (Swap Meet)
Full Seminar Schedule
DXCC Card Checking
Incredible Grand Prizes
Emergency Preparedness
Admission Prize
Hospitality Area
Antenna Clinic & T-Hunt

Hamfest Talk-In Frequency: 146.840 (-) PL 88.5 Hz

Email Contact: 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

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 photograph at the top shows the Pt. Vicente Lighthouse back-lit on a winter day. A text box at bottom right announces the date for February's club meeting has been changed to Wednesday, February 13th due to the club's IOTA DXpedition to Catalina which starts on February 20th.

Page 2: An illustration at the bottom of the page shows a design for the K6PV Century Club Award.

Page 3: A photograph at center right has the caption: "International stamps, anyone? These aren't Ray's but you get the picture." An illustration at the bottom of the page says, "Today's Thought: Yes, everybody sometimes has a bad day in cyberspace (Jan. 10, 2013):" Underneath is a screen shot from Google's Chrome browser which says, "Oops, Google Chrome could not find www.google.com."

Page 4: Three photographs show people attending PVARC's December 12, 2012, Holiday Dinner.

Page 5: The photo at upper right has the caption, "Peter Landon, KE6JPM, on the roof at Soleado Elementary School adjusting the antenna rotation system for tracking satellites and the International Space Station using NOVA software. PHOTO: BOB SYLVEST, AB6SY". The photo at right bottom shows a Yaesu FT-847 radio with the caption, "The Yaesu FT-847 multi-band transceiver, sold from 1998 through 2005, was promoted as a "satellite" radio due to its 0.1 Hz fine tuning steps for Doppler shift frequency changes; four separate antenna connections for HF, 6-meters, 2-meters, and 70-cm respectively; plus other capabilities for tracking satellites. "

Page 6: Four photographs are shown from the 2012 IOTA DXpedition to Catalina Island. The photo at center left has the caption, "Bob, W6HIP, offloading some of our nearly 1,000 pounds of gear from the boat. PHOTO: DIANA FEINBERG, AI6DF". The photo at center left has the caption, "Most of the operator team assembling 20-meter hexbeam antenna loaned by Doris, K6KSY. PHOTO: RAY DAY, N6HE". The photo at bottom left has the caption, "Ray, N6HE, listens to the SSB pile-up on 15 meters; note DX cluster path map on computer at right. PHOTO: JOE PACE, NZ6L ." The photo of two buffalos at bottom right has the caption, "These big guys had their own pile-up near our site before retreating for Sunday breakfast. PHOTO: RAY DAY, N6HE ".

Page 7: The photo at center left has the caption, "NART Founder Bryant Winchell, W2RGG, shown operating HF from NART's mobile command post vehicle. PHOTO: NART ". The photo at bottom left has the caption, "Bob Sylvest, AB6SY (left), and Clay Davis, AB9A, operating at the Palos Verdes Estates EOC. PHOTO: NART ".

Page 11: Shows the PVARC Calendar of Events for 2013.

Page 12: Shows the PVARC membership form.

Page 13: This announcement for Walt Ordway's next ham radio license classes shows a Kenwood HT radio at the top left.

Page 14: This page is an advertisement for the Yuma, Arizona, Hamfest on February 15 and 16.