



QRO

MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

SEPTEMBER 2016

“Restoring vintage amateur radio equipment”

Rocco Lardiere, N6KN

PVARC Monthly Meeting,
Wednesday, Sept. 21, 2016, 7:30 pm at
Fred Hesse Community Park,
29301 Hawthorne Blvd.,
Rancho Palos Verdes,
Visitors Welcome.

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

Restoring vintage amateur radios: You can do it

Our fellow PVARC member Rocco Lardiere, N6KN, will present how to restore older amateur radios and related gear at our September 21 monthly meeting.

Rocco’s impressive collection of vintage amateur radios spans six decades, nearly all of these radios having required restoration after being purchased at swap meets and other sources.

Rocco will explain why not to plug in a vintage radio without first doing some testing and voltage adjustments. He will bring an older transceiver and demonstrate how to perform several essential resistance and voltage checks, in addition to gently powering-up these radios using a Variac transformer.

See you on September 21 for an interesting talk. ■

The PVARC's 2016 International Lighthouse & Lightship Weekend...that wasn't

It was still "international," but replacing the PVARC's International Lighthouse & Lightship Weekend in mid-August was the making of an international motion picture.

Producers of "Dunkirk"--scheduled for release in July 2017--about Great Britain's 1940 military retreat from France had booked the Pt. Vicente Lighthouse grounds for filming starting the day after our ILLW family picnic. But placing movie equipment and props started the previous week. The U.S. Coast Guard offered to accommodate our ILLW activities although the PVARC would have had to comply with numerous restrictions and confidentiality considerations. Yet another factor in our decision to cancel



ILLW events was temporary removal of the safety fence along the bluffs at Pt. Vicente to facilitate filming.

For five days the Coast Guard dirt parking lot was filled with production trucks and trailers of all sizes, with other vehicles inside the lighthouse grounds. A huge crane lifted mock aircraft sections for filming "over-water" views from the cockpits.



So...before next year's ILLW picnic you must see "Dunkirk" and you will see the ILLW that wasn't but was still international. ■

Top photo: Production trailers filled the Coast Guard dirt parking lot.

Bottom photo: A huge crane over twice the Lighthouse height lifted airplane sections for filming.

...So that's how they did it

Seen from the Pt. Vicente Interpretive Center patio, the film crew photographed actors in cockpits of mock airplanes above the cliff edge. Turning a large metal hub-and-spoke wheel on the front of airplanes allowed simulating side-to-side rolling. These photos show production at Pt. Vicente's tip where the foghorn used to be.



A new safety fence along the bluff edges was installed after filming ended. ■

PHOTOS:
DIANA
FEINBERG,
AI6DF



Please contact your U.S. Senators immediately to support H.R. 1301, the Amateur Radio Parity Act

We have an opportunity to positively affect Amateur Radio for years to come. H.R. 1301, the Amateur Radio Parity Act, has unanimously passed the House of Representatives and moved on to the Senate for consideration.

All you need to do is spend two minutes of your time to send an email to your two Senators supporting the Bill. By doing so, you will have helped the future of Amateur Radio by guaranteeing our ability to have an effective outdoor antenna in a deed-restricted community.

The number of people living in such communities grows exponentially each year. Often, a ham homeowner has no choice but to live in a community restricted by covenants. There are nearly 3/4 of a million licensed hams in the United States, more than ever before. But that may change if we are forced to live in a community that refuses to allow an antenna.

Help yourself and help your fellow hams. Go to this link:

<https://arri.rallycongress.net/ctas/urge-senate-to-support-amateur-radio-parity-act>

Enter your zip code and follow the prompts. The letters are there. All you need to do is fill in the blanks, hit save, then send.

That's it. Under 2 minutes and you're done.

If you haven't yet done so, please do so today. Your voice counts! ■

“...But my home has no CC&Rs”

No CC&R's where you live? Congratulations. But please still contact your two U.S. Senators to support H.R. 1301 in the Senate so this legislation can pass during the remainder of this year.

It is becoming difficult to purchase new homes that have no CC&Rs, as the lenders to builders often require CC&Rs to preserve home values. Reportedly 90% of new homes built in the U.S. each year have some type of Covenants, Conditions, and Restrictions. Congratulations if you live without CC&Rs, but help the future of amateur radio and lend your support for H.R. 1301. ■

PVARC's ARRL Volunteer Examiner team needs more VE's; Jerry, KI6RRD, named PVARC ARRL VE Liaison

Our Volunteer Examiner teams give ham license tests at Hesse Park four times annually and now could use additional team members.

How about you? See the next page for becoming an ARRL-accredited Volunteer Examiner.

The PVARC's four test sessions annually follow our ham license classes taught by Walt Ordway, K1DFO. We occasionally have special test sessions for Palos Verdes Peninsula Unified School District staff members and personnel at the Providence Little Company of Mary Medical Centers in Torrance and San Pedro.

But we now seek new Volunteer Examiners to maintain our staffing flexibility. Sometimes a weekend date we set for a test session might have few of our VE's available because of travel or family commitments. Once in a while we need to change the test session date but then the VE's originally lined-up might have other commitments on the new date.

If you have a General Class license and become a Volunteer Examiner you may grade Technician Class exams. With an Amateur Extra Class license you may grade Technician, General, and Extra Class exams.

Our club is classified as a "Field-Stocked" VE team, meaning all the blank forms, test booklets, and answer keys are securely stored by our designated ARRL VE Liaison. Until late-2009 we had to request all test materials before each exam session and return them to the ARRL after the test, along with all paperwork from that testing.

Jerry Shaw, KI6RRD, was named the PVARC's ARRL VE Liaison last month. He succeeds Diana Feinberg, AI6DF, who became the PVARC's ARRL VE Liaison in January 2010 but has had other ARRL duties since June 2016. Going forward, Jerry KI6RRD will safeguard all our test materials and lead our VE sessions.

Congratulations, Jerry—and let's have more club members as ARRL-accredited Volunteer Examiners. ■



How about You as a PVARC ARRL Volunteer Examiner?

Below: Screen-shot from the ARRL website. To review the Volunteer Examiner Manual visit: <http://www.arrl.org/files/file/VEs/VE%20Manual%20Web%20FINAL%202014.pdf> . To download the Volunteer Examiner Application form and 40-question open-book review visit: <http://www.arrl.org/files/file/VEs/Prospective%20VE%20pkg%202014.pdf> . ■

Become an ARRL VE

Become an ARRL VE

Resources for VEs

Register an Amateur Radio License Exam Session

ARRL VEC Exam Fees

Emergency Communications Field Examiners



Locate an Exam Session



+ Go Now

Hamfests & Conventions



+ Learn More

ARRL Volunteer Examiners Serve the Community

If you are interested in becoming an ARRL Volunteer Examiner (VE) and serving the Amateur Radio community, it's easy and free!

Follow these three steps to become an ARRL Volunteer Examiner:

1. Review the **Volunteer Examiner Manual**, paying special attention to Chapter 2: Becoming a Volunteer Examiner.
2. Complete and sign the **VE Application form and open-book review** * (40 question review).
3. Please fax, mail or email forms (Adobe PDF file or scanned JPEG image showing your real signature) to the address below: **

ARRL VEC
225 Main St
Newington, CT 06111 USA

Fax: 860-594-0339

Email: vec@arrl.org



Once accredited, you will receive in the mail a colorful, laminated VE badge, and badge clip to wear at exam sessions and a certificate suitable for framing. Please allow 3-4 weeks for the ARRL VE badge and certificate to arrive.

* If you are already accredited with a VE organization outside the ARRL, you must submit a copy of your accreditation certificate along with a completed **ARRL VE application** form to the above address.

** If the documents are faxed to the ARRL VEC, you need to mail the original application for completion of accreditation since we require your signature on file for identity confirmation on exam documents.



PVARC radio operators will be at “Ride With The Tide” bike tour on Sept. 24

The PVARC’s radio communication team for the 2016 “Ride With The Tide” Charity Bike Tour (formerly RAT Beach Bike Tour) rides again on Saturday, Sept. 24.

We’ve supported the Bike Tour’s organizer, the South Bay Sunrise Rotary Club, since the initial RAT Beach Bike Tour in 2010. This year’s tour returns to its original start/finish at Torrance Beach after four years at Redondo Beach King Harbor where it was paired with the city’s Lobster Festival.

After the Rotary Club recently changed some support locations PVARC radio operators will now be at:

Net Control and Start/Finish:

- Torrance Beach

At SAG Stops for bicyclists:

- El Segundo (Dockweiler State Beach)
- Playa del Rey (Ballona Creek bridge)
- El Segundo (Bay Club, Park Place & Douglas St.)
- Torrance (Anza & Torrance Blvd.)
- Torrance (Zamperini Field Airport)
- Rancho Palos Verdes (Miraleste Plaza)
- San Pedro (Battleship Iowa)
- Rancho Palos Verdes (Golden Cove Center)

Aboard roving vans:

- North half
- South half

The South Bay Sunrise Rotary Club has expressed its appreciation for our work at this annual charitable event—and we are glad to serve there. ■

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

Palos Verdes Amateur Radio Club

An American Radio Relay League Affiliated-Club

Board of Directors:

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

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

Email us: k6pv@arri.net

Website: www.k6pv.org

Mailing Address:

Palos Verdes Amateur Radio Club
PO Box 2316
Palos Verdes Peninsula, CA 90274-8316

Monthly Meetings:

Third Wednesday (except August and December) at 7:30 pm at Fred Hesse Park, 29301 Hawthorne Blvd., Rancho Palos Verdes, CA. Visitors always welcome.

Repeaters (Open, though often listed as “Closed”):

Club: K6PV, 447.120 MHz (-), PL 100.0, CTCSS
“PV-West”: K6IUM, 449.980 MHz (-), PL 173.8, CTCSS

To order a Club badge:

Karen Freeman, KG6BNN, 310-541-6971

To order a Club jacket or patch:

Dave Scholler, KG6BPH, 310-373-8166

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Front page photo — *The Pt. Vicente Lighthouse just after a summer sunset before the darkness of night*

PHOTO: DIANA FEINBERG, AI6DF



PVARC and URAC operators “Conquer the Bridge”

Labor Day marked the 8th annual Conquer the Bridge 5.3 mile race at Los Angeles Harbor with nearly 4,000 registered runners and walkers. Starting on Harbor Blvd. at 5th Street in San Pedro the course went north on Harbor Blvd. to the Vincent Thomas Bridge and across the bridge to a turnaround at Navy Way on Terminal Island. The race returned across the bridge and back to Harbor Blvd. to the Finish line at 5th Street.

The event started at 7 AM and went well with only one minor injury reported. Radio communications went reasonably well on the N6RPV 445.72 MHz repeater. It is very likely race will be held again next Labor Day.

The PVARC and United Radio Amateur Club (URAC) had operators at many locations along the course, including high on the bridge. This year's operators were: Scotty K6NZL, Bob K16BUK, Herb KO6RC, Tom KJ6JPZ, Denzel KG6QWJ, Bob W6HIP, Bob KE6JI, Matthew N6MDC, Glenn KJ6ATN, Cynthia AG6NW, and Walt K1DFO. ■

Above: Runners “Conquering” the Vincent Thomas Bridge above Los Angeles Harbor (2014 race photo).

Below: The Battleship Iowa, photographed from the Vincent Thomas Bridge roadway after sunrise, is the PVARC's October meeting topic and home of Battleship Iowa Amateur Radio Association. PHOTOS: DIANA FEINBERG, AI6DF



59th annual Boy Scouts “Jamboree on the Air” is October 15—ham radio volunteers wanted

The Boy Scouts of America “Jamboree on the Air 2016” at Los Angeles Harbor will be at Cabrillo Youth Center in San Pedro on Saturday, October 15th from 10:00am until 7:00pm. About 150 Cub Scouts, 50-100 Boy Scouts, and perhaps 25-50 Girl Scouts will be participating.

Among the programs for this year’s JOTA:

- Transmitter Hunting - Joe & April Moell will be running their T-Hunting Activity.
<http://www.homingin.com/>
- Operation on-Target - Richard Fowell will be demonstrating “Peak to Peak” communications via signal mirrors and 2M radios.
<http://www.bsaontarget.org>\ https://en.wikipedia.org/wiki/Operation_OnTarget
- Radio Merit Badge class offered
- Volunteers are needed to help or just come by to visit. Contact: Curtis Watanabe K16KUK cell: 310-528-7767
Curtisw.ca@Gmail.com
- Visit these websites to learn more about Jamboree on the
- Air:

<http://www.scouting.org/jota.aspx>

<http://www.arrrl.org/jamboree-on-the-air-jota>

JOTA is the world’s largest scouting event and always held during the 3rd full weekend of October to link Scouts worldwide. ■



IMAGE CREDIT: Google Earth

PVARC Short News Items

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

As our 2016 program year winds down we still have two very interesting programs scheduled.

Our **October 19th** meeting features Doug Dowds, W6HB, founder and President of the Battleship Iowa Amateur Radio Association. He will present a history of this famous ship now docked in Los Angeles Harbor and its radio operations (both the military side and its new on-board ham radio station.)

Two PVARC Board members, Clay Davis AB9A and Bob Sylvest AB6SY, have developed a very exciting comprehensive presentation about "Solar Energy for Amateur Radio" for our **November 16** meeting. You will learn there's much more to it than you probably thought.

Finally, our annual Holiday Dinner is **Thursday, December 8, 2016**, at the Los Verdes Golf Course in Rancho Palos Verdes (please note the change to a Thursday evening) with a non-technical speaker to be announced. More information about the Holiday Dinner appears elsewhere in this **QRO** issue.

Meanwhile, the PVARC's Lighthouse Weekend presentation is now on its final round. Your **QRO** Editor Diana, AI6DF, presented "Amateur Radio's International Lighthouse & Lightship Weekend" to the Santa Clarita Amateur Radio Club in Newhall on August 17 and will do so at the Antelope Valley ARC in Lancaster on September 22. She is also presenting "Recent and Upcoming Developments in the 220 MHz Amateur Band" at the San Fernando Valley Amateur Radio Club on October 21 and the Associated Radio Amateurs of Long Beach meeting on November 4.

PVARC member Chris Storey, KA6WNL, gave his Sheriff's Department communication system presentation (from our July meeting) to the South Bay Amateur Radio Club on August 18 and gave his "Reporting Emergencies" talk to the PAPA repeater system's Orange County group on August 27. ■



Need a PVARC patch?

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

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

PVARC News Items

PVARC's HF Enthusiasts discuss more topics

The PVARC's HF Enthusiasts Group held its fifth meeting on Saturday, Sept. 10, with eight club members attending. The next HF Enthusiasts Group meeting will be Saturday, Oct. 8, at the home of Ray Day, N6HE.

Among topics covered on Sept. 10 were:

- Jerry NG6R, discussed several of his previous **QRO** articles and how you can work rare DX stations on CW even if your CW speed is 8-12 WPM. He also discussed the mods.dk website for modifying ham equipment.
- Clay, AB9A, showed how to develop a printed circuit board using the free Eagle PCB Design software
- Carlos, WB6MCW, not only graciously hosted the meeting while Ray, N6HE, was on vacation but also showed an old Spirograph to learn CW using perforated paper tapes.
- Ron, AC6RW, also attended and joined discussions on antenna tuners and matching as well as construction tips. ■

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

ANTHONY BURNS, KK6SPH

KATHY HAYNES, KK6SPG

ROBERT MILLARD, KE6JI

DAISY MILLARD, (XYL) KE6JI

J. BRANDLIN, KK6TXM

THOMAS BACALJA, KK6ULM

GREG LUND, AI6IV

CANDACE KAWAHARA, KK6ULN

TIM MEADOWS, KK6ULL

JOHN CASHEN, W5UG

(RETURNING MEMBER)

INGO WERK, KK6EWB

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

Palos Verdes Amateur Radio Club

2016 Calendar

2016 Major Contest Dates

■ ARRL ■ CQ Magazine and Other

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

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PVARC Meetings & Meals

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

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

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

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

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

PVARC Public Service Events

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

Major Ham Radio Conventions

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

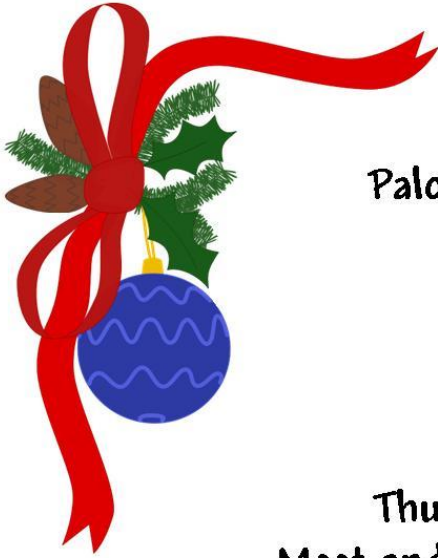
PVARC HF Operating Events

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

PVARC Ham License Classes

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

Feb. 20 & 27; June 4 & 11; Aug. 27 & Sept. 10; additional dates to be announced.



Please join us for the
**Palos Verdes Amateur Radio Club's
 2016 Holiday Dinner**

Los Verdes Golf Course
 7000 Los Verdes Drive
 Rancho Palos Verdes, CA

Thursday, December 8, 2016
 Meet and Greet beginning at 6:30 PM
 Dinner at 7:00 PM
 followed by program and prize raffle

Dinner Buffet:

Garden Salad
 Spinach Salad w/ Feta & Pine nuts
 Seasonal Fresh Fruit
 Charbroiled Salmon
 Tri Tip w/Mushroom Merlot Sauce
 Red Roasted Potatoes
 Seasonal Vegetables
 Warm Rolls and Butter
 Cookie, Brownie, assorted Cakes
 and Cheesecake
 Coffee, Decaf,
 Lemonade or Iced Tea



**PALOS VERDES AMATEUR RADIO
 CLUB
 2016 HOLIDAY DINNER**

Los Verdes Golf Course
 Thursday, December 8, 2016

Price per person: \$44.00

Number of people attending: _____

I would also like to donate:

\$5 _____ \$10 _____ \$15 _____ Other \$ _____

Total amount enclosed: \$ _____

Please make check payable to the
 Palos Verdes Amateur Radio Club
 (All donations are applied toward club ex-
 penses for the evening.)

Name: _____

Call Sign: _____

Please pay at our monthly meeting
 or by mailing to: PVARC, PO Box 2316,
 Palos Verdes Peninsula, CA 90274

For sale by PVARC Member:

Kenwood TS-590S (SN B2B00191)

The Kenwood TS-590S covers all bands 160 through 6 meters at 100 watts on SSB, CW, FSK, and FM, and 25 watts on AM. It has IF DSP, a built-in antenna tuner, and USB output for direct connection to a computer. The display color can be set by the user to either amber or green. The radio has Kenwood's digital recorder (VGS-1) installed.

The package includes the transceiver, original Kenwood microphone, original manual, power cable, and it will be delivered in the original double carton (triple boxed if shipped). The radio has been updated with the most current Kenwood firmware version and the microprocessor has been reset to factory defaults. The radio is in excellent cosmetic and functional condition. Asking \$900 plus cost if shipping is required.

Contact Jeff, K6JW, at k6jw@arrl.net for further information or to see the radio.





Palos Verdes Amateur Radio Club
P.O. Box 2316
Palos Verdes Peninsula, CA 90274
www.n6rpv.net/pvarc or
www.k6pv.org

NEW MEMBER &
MEMBERSHIP RENEWAL FORM

NEW: _____ or RENEWAL: _____ MEMBERSHIP DATE: _____

Last Name: _____ First Name: _____ Spouse: _____

Street Address: _____

City: _____ Zip: _____

Phone: Home _____ Work _____ Cell _____

Email address: _____

(Unless otherwise noted emails will be sent to the applying member only)

License Call: _____ License Class: _____ ARRL Member? _____ Birth Mo./Day: _____

Other amateur radio groups you belong to: _____

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

Name _____ Call _____ Class _____ ARRL _____ Birth Mo./Day: _____

Name _____ Call _____ Class _____ ARRL _____ Birth Mo./Day: _____

Name _____ Call _____ Class _____ ARRL _____ Birth Mo./Day: _____

Individual membership (\$15.00) \$ _____

Household and/or Family membership (\$17.00) \$ _____

Additional donation to support PVARC activities \$ _____

Cash: _____ or Check #: _____ Date _____ TOTAL \$ _____

Please make checks payable to: Palos Verdes Amateur Radio Club; Dues based on January 1st to December 31st year.

All New and Renewal Member applications must be signed below.

I am applying for a new or renewal membership in the Palos Verdes Amateur Radio Club and understand that by accepting membership I agree to abide by the Club's constitution and by-laws (available on-line at: http://www.n6rpv.net/pvarc/constitution.htm or upon request.)

Signature: _____ Date: _____

Family Member Signature: _____ Date: _____

Family Member Signature: _____ Date: _____

Tell your friends and relatives about the PVARC's 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 (2nd level)

Each course is 2 sessions

The next sessions are on 5 November and 12 November, 2016

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

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

FCC tests will be 10:00 AM to Noon on Saturday, November 19, 2016.

The Palos Verdes Amateur Radio Club will make a brief presentation at 9:30 AM at the start of the 5 November Technician class on how to get further involved with amateur radio.

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

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

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

- Gordon West book with all the FCC test questions,

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

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

For courses sponsored by the Palos Verdes Amateur Radio Club, students thru grade 12 who also pass their examination at a PVARC test session will, upon application to the Club, be eligible for reimbursement up to a maximum of \$50 to cover the cost of materials and the examination fee.

Everyone who obtains their first ham radio license through a PVARC test session, regardless of age, will receive a free membership in the Palos Verdes Amateur Radio Club for the remainder of the current calendar year.

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