



QRO

MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

APRIL 2015

Building useful devices simply with low-cost Arduino processors

Our April 15th meeting features Arduino-expert Bill Prats, K6ACJ, expanding his July 2014 PVARC presentation about using low-cost microprocessors to build useful devices.

Bill's April 15th presentation will show how to actually implement these microprocessors with the needed software and a few additional components. He will demonstrate preparing for and loading the first Arduino program while doing this presentation from his laptop connected to an Arduino Uno—a readily available board. Arduino has several versions and Bill will discuss each so users have choices of 5 volt and 3.3 volt interface options. A short presentation on various DC power options and common sensors will follow if time allows.

Bill is a co-author of the ARRL's 2013 book, "Ham Radio for Arduino and PICAXE" and also an Assistant Section Manager in the ARRL's Orange Section. ■

"Getting Started With Arduino"

Speaker: Bill Prats, K6ACJ

When: PVARC Monthly Meeting,
7:30 pm, Wednesday,
April 15, 2015.

Where: Hesse Park Activity Room,
29301 Hawthorne Blvd.,
Rancho Palos Verdes, CA
90275. Visitors Welcome.

Also, our optional pre-meeting dinner: PVARC members and guests are welcome to join our speaker at a 5:30 pm no-host pre-meeting dinner at the Red Onion Restaurant, 736 Silver Spur Road, Rolling Hills Estates. We're always in one of the back rooms.

We thank the City of Rolling Hills Estates for their recognition of our club's public service activities

By Diana Feinberg, AI6DF
PVARC President

Our club appreciated being recognized last month by the Rolling Hills Estates Mayor and City Council for the PVARC's public service work over many years.

Rolling Hills Estates Mayor John Addleman presented a city resolution honoring the Palos Verdes Amateur Radio Club (*photo, below*) to me and Walt Ordway, K1DFO, at the City Council's March 24, 2015, meeting. This was in recognition of our club's long participation in the city's Hills Are Event 10K/5K event and other public service on the Palos Verdes Peninsula. (*The entire resolution is shown on the next page.*)

Walt Ordway has led our amateur radio coverage during the Hills Are Alive 10K/5K for many years and this summer we will provide radio communication again on August 8. Most PVARC members know Walt has also taught most of our club's free amateur radio license classes since 1984. He also coordinated our club's annual Palos Verdes Marathon radio coverage for 20 years, an event I've been handling since 2010.

In recent years the PVARC has been recognized twice by the City of Torrance for our work with the RAT Beach Bike Tour. Many PVARC members in RPV spent extensive time during 2007 bringing the Rancho Palos Verdes Emergency Communication Center to fruition—including providing significant labor. These members were individually recognized at the ECC's dedication in 2008 by our then Member of Congress, U.S. Representative Dana Rohrabacher, along with City officials.

All PVARC members are encouraged to use their amateur radio equipment and skills to provide public service in whatever city, capacity, or venue they find meaningful. To all PVARC members who have served at our many events over the past 40 years let me extend our club's sincere thanks to each of you. ■

Rolling Hills Estates Mayor John Addleman (left) presents a resolution honoring the PVARC for its public service work.

Accepting the resolution at the March 24, 2015, RHE City Council meeting were PVARC President Diana Feinberg, AI6DF (center), and Walt Ordway, K1DFO (right).

Also attending the meeting were PVARC members Bob Closson, W6HIP; Melody Colbert, KI6SPA; and Curtis Watanabe, KI6KUK.

PHOTO: BOB CLOSSON, W6HIP



We greatly appreciate our members' many amateur radio efforts that made this recognition possible



CITY OF ROLLING HILLS ESTATES

RESOLUTION OF COMMENDATION

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ROLLING HILLS ESTATES HONORING THE PALOS VERDES AMATEUR RADIO CLUB FOR ITS CONTRIBUTION TO THE PALOS VERDES PENINSULA COMMUNITY

WHEREAS, the Palos Verdes Amateur Radio Club, founded in 1975, provides public service and emergency communications using amateur radio technology to the Palos Verdes Peninsula community; and

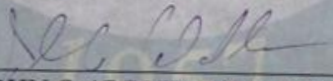
WHEREAS, the Palos Verdes Amateur Radio Club is a partner to the City of Rolling Hills Estates and has supported special events, including the Hills Are Alive Race for the last twelve years;

WHEREAS, in a major disaster where communications may be interrupted, the Palos Verdes Amateur Radio Club would provide the City assistance in communication from its Emergency Operations Center; and

WHEREAS, the Palos Verdes Amateur Radio Club promotes education in HAM Radio operations by offering classes to anyone interested and by providing scholarship assistance to youth interested in seeking their HAM Radio License.

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Rolling Hills Estates does hereby express appreciation to the Palos Verdes Amateur Radio Club for its commitment in public service and emergency communication on the Palos Verdes Peninsula.

DATED this 24th day of March, 2015.



JOHN C. ADDLEMAN, MAYOR

ATTEST:



DOUGLAS R. PRICHARD, CITY CLERK



PVARC Short News Items

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

Our May 20th meeting topic is PVARC member Bob Sylvest, AB6SY, presenting "An Overview of Microphones," a topic he has pursued for some time. Please advise our Vice President Mike Caulfield AF6VT (mcaulfield@cox.net) if you have a unique or vintage microphone to show at this meeting.

The PVARC's June monthly meeting is scheduled to have ARRL Southwestern Division Vice-Director Marty Woll, N6VI, discuss "When the Grid Goes Down: Managing Emergency Power." We are also planning a PVARC 40th Anniversary Party at either our June or July meeting.

The PVARC's "Amateur Radio's International Lighthouse & Lightship Weekend" presentation is being given this month at the W6TRW Radio Club's monthly meeting on April 14 in Redondo Beach; at the United Radio Amateur Club in San Pedro on April 17; and the South Orange Amateur Radio Association meeting in Mission Viejo on April 20. The "Lighthouse Weekend" presentation will also be given at the Associated Radio Amateurs of Long Beach meeting in Signal Hill on May 1; the San Fernando Valley Amateur Radio Club in Northridge on May 15; and the Fullerton Radio Club's meeting on May 20 in that city. ■

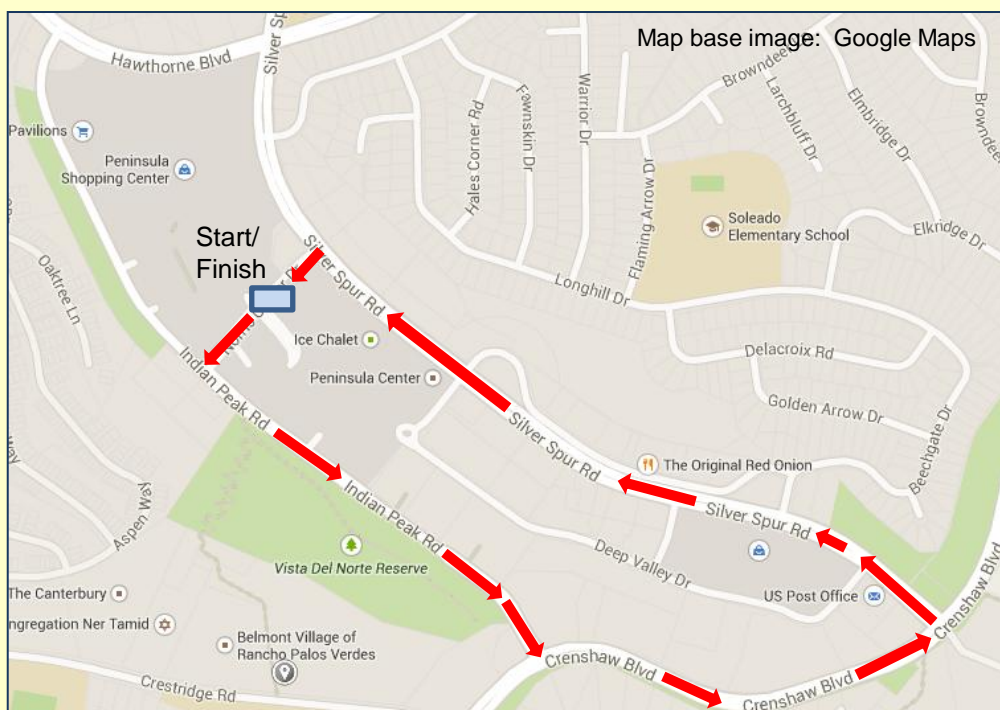
Promenade 5K now Ridgecrest Intermediate School 5K

The Ridgecrest Intermediate School 5K is the new name for the Promenade 5K scheduled on April 26. Proceeds from this run/walk will now support activities at the school that hosts our annual Field Day site.

As reported the Promenade of the Peninsula Mall withdrew permission to use its premises during this run/walk. The 5K's organizer then enlisted Ridgecrest Intermediate School, whose parents and students will be actively involved as runners/walkers and event managers.

The new 5K route has two laps entirely on public streets in the Peninsula's commercial area, starting at the Norris Theater (see map, right). One side of traffic lanes on these streets will close to vehicles during this 5K.

The PVARC has provided radio communication for this short run/walk since its debut in 2010 as the "Polly's 5K." Our operator team is assigned and ready to go for Ridgecrest Intermediate School's inaugural 5K. ■



PVARC CW class continues on its learning path

By Ray Day, N6HE

As you may know, a small group of intrepid PVARC members have taken on learning, re-learning, or brushing up on their morse code skills.

Led by Ray N6HE, Jeff K6JW, and Clay AB9A (all avowed CW enthusiasts), a group of nine: Kelvin KK6MNS, Steve WB6ZJD, Bill WA6ESC, Blake KK6CZC, Mike AF6VT, Laura KK6BFI, Diana AI6DF, Ralph AI6GP, and Ron AC6RW, have accepted the challenge to learn or improve their CW skills.

We've had three meetings in members' homes so far and there's a lot of individual practice going on behind the scenes.

We're using the Farnsworth/Koch method of learning the code, which time and experience has shown greatly lessens the time it takes to get up to a useful on-the-air speed.

The group's previous CW experience varies a lot and we have "buddy teams" set up matching hams with similar CW backgrounds and have mentors for each team.

We're about to discover which key/paddle/keyer combination works for each individual, and a few in the group are trying to learn to send with one hand and write with the other!

BTW, Jeff K6JW taught himself how to do that and it's an extremely handy (bada-boom!) operating technique.

So if you're interested in having CW in your future, contact Ray N6HE at rayday@cox.net and join the fun. ■

◆ 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	Mike Caulfield, AF6VT
Treasurer	Peter Landon, KE6JPM
Secretary	Laura Behenna, KK6BFI
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	Diana Feinberg, AI6DF
Net Control Operators	Malin Dollinger, KO6MD, Dale Hanks, N6NNW, Peter Landon, KE6JPM, Bob Sylvest, AB6SY, Dan Yang, K6DPY

Contacts:

QRO Editor: 310-544-2917, ai6df@arrl.net
Webmaster: 310-541-6971, jrfree@cox.net

Email us: k6pv@arrl.net

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 on a clear April morning.* PHOTO: DIANA FEINBERG, AI6DF

April isn't "International RF Connector Month" but it's never too late to learn more about these assemblies

Editor's Note: I prepared this two-page quick overview on RF connectors as an "Elmer's Corner" presentation during the refreshment break at the October 2013 PVARC meeting. This overview is being printed in QRO for the benefit of newer club members and others not at the October 2013 meeting. Every amateur operator should maintain some of these connectors and adapters to mate any antenna with any radio or coax cable. -- Diana Feinberg, AI6DF

In a "nutshell" -- Six RF connector types are used with today's amateur radio gear; adapters can match any connector type and "gender"

For large & intermediate diameter coax:

- UHF



- Mini-UHF



- N



Examples of RF adapters:

**Right-angle
Male UHF to
Female UHF**



**Female UHF to
Female BNC**



For intermediate diameter coax:

- BNC



**Female UHF to
Male N
-Connector**



For smaller-diameter coax and HT antennas:

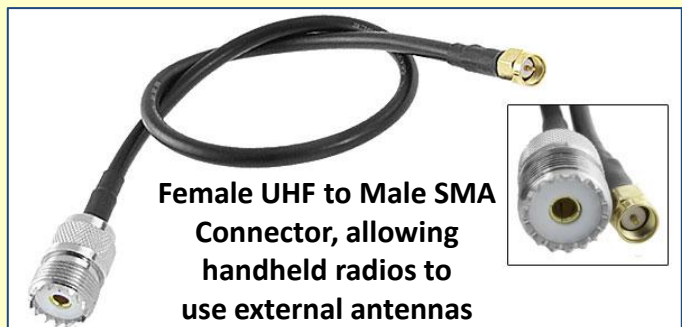
- SMA



- Reverse SMA



**Female UHF to Male SMA
Connector, allowing
handheld radios to
use external antennas**



In summary, here's the background on principal RF connector types along with their main uses

Antenna Connectors for Amateur Radio	UHF / mini UHF Male: PL-259 Female: SO-239	N	BNC	SMA	Reverse SMA
Full Name	Amphenol Connector	Type N Connector	Bayonet-Neil-Concelman	Sub-Miniature, Type A	Sub-Miniature, Type A, reversed
Invented	1930's	1942	1951	1958-1962	1960's
Primary Uses	<ul style="list-style-type: none"> • HF radios • Most VHF/UHF mobile radios • HF antennas • Most VHF/UHF antennas • (Also in mini-UHF for some mobile radios and antennas) 	<ul style="list-style-type: none"> • Repeaters • UHF mobile radios • UHF antennas • Microwave sites • Cell towers 	<ul style="list-style-type: none"> • Some HF QRP ham radios • A few handheld ham radios • Test equipment • Video systems (75-Ohm) 	<ul style="list-style-type: none"> • Hand-held ham radios • Many commercial HT radios • Microwave systems 	<ul style="list-style-type: none"> • Wouxun HT ham radios • Motorola commercial radios • Wi-Fi equipment
Frequency Range	0.1-300 MHz	200 MHz-11 GHz	Up to 4 GHz	0.1 MHz - 18 GHz	0.1 MHz – 18 GHz
Advantages	<ul style="list-style-type: none"> • Handles high power, large cables • Easy to solder • Can be crimped • Low cost 	<ul style="list-style-type: none"> • Handles high power, large cables • Lower losses • Uniform impedance 	<ul style="list-style-type: none"> • Securely locks onto device • Quick on/off • Middle-size form factor • Can be crimped on 	<ul style="list-style-type: none"> • Small size • Widest frequency range 	<ul style="list-style-type: none"> • Small size • Widest frequency range • Less chance of antenna mount breakage
Disadvantages	<ul style="list-style-type: none"> • Large size • Impedance drops to 30-40 Ohms along part of pin 	<ul style="list-style-type: none"> • Large size • Costs more • Harder to solder 	<ul style="list-style-type: none"> • Mid-range cable sizes only • Above 4 GHz slotted outer conductor may radiate signals 	<ul style="list-style-type: none"> • Limited power levels • For small cables • Easily breaks • Limited number of twist on-off connections 	<ul style="list-style-type: none"> • Limited power levels • For small cables • Harder to find • Limited number of twist on-off connections ■

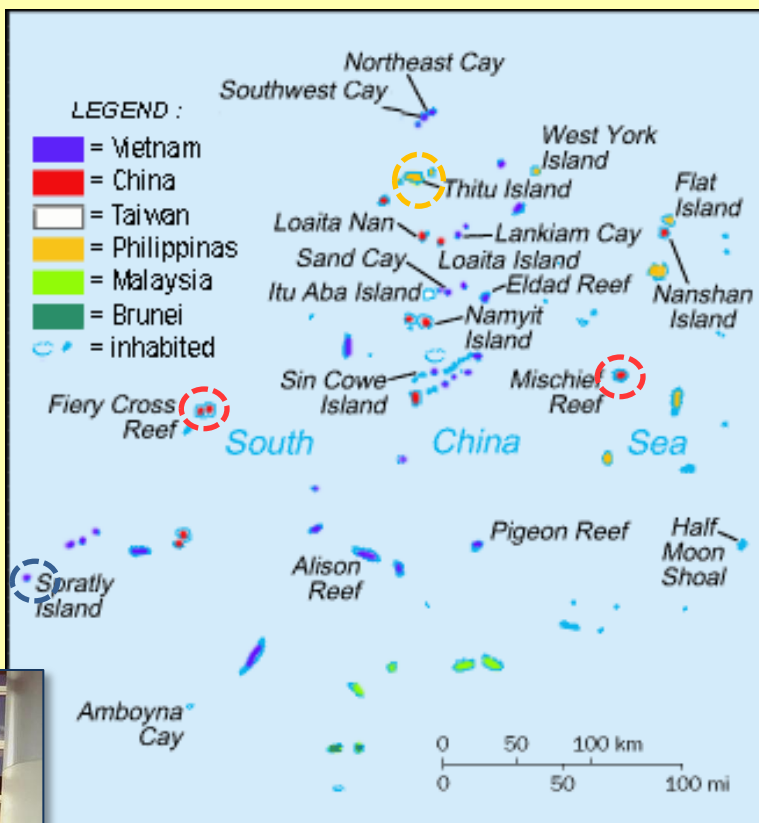
PVARC member Joel Pastor, WJ1P, on DXpedition to the Spratly Islands in South China Sea, April 14-20

It's a long trip from Los Angeles to Pagasa Island in the South China Sea. But it takes much longer to get permission for hams to operate there.

PVARC member Joel Pastor, WJ1P, is now on the DXOP team operating from Pagasa island (also known as Thitu Island) during April 14-20 after several years of planning.

Most Spratly DXpeditions in the past 15 years have been from a Malaysian island that is also a diving resort. Pagasa is controlled by the Philippine military and one of several militarized South China Sea islands (see map, right).

Hopefully propagation will be favorable, so check the DXOP website at www.dxOp.org for frequencies and info. They also will be the first Spratly DXpedition using the JT65 digital mode. ■



Above: Pagasa Island is also known as Thitu Island (orange circle). The Spratlys are contested by China, Taiwan, Vietnam, the Philippines, Malaysia, and Brunei. China is currently building a 10,000-foot aircraft runway atop Fiery Cross Reef (red circle) and has a garrison on Mischief Reef. Vietnam has a military base on Spratly Island, the furthest west of these islands.

MAP: CARTOTHÈQUE SPIRIDON MANOLIU



Left, center: PVARC member Joel, WJ1P, at the LAX Tom Bradley Terminal leaving for the Spratlys with his gear.



Left, bottom: Aerial view of Pagasa Island, now mostly a Philippine military site with a small civilian population..

PHOTO CREDITS: DXOP WEBSITE.

PVARC News:

Sign-up for HAMCON 2015 by Aug.1 at Early-Bird Rate



HAMCON 2015, the 2015 ARRL Southwestern Division Convention, comes to town September 11-13 at the Torrance Marriott Hotel adjacent to Del Amo Center.

One need not be an ARRL member to attend--all hams are welcome. The early registration fee is just \$22 through August 1 (\$27 thereafter), but you will learn and see a lot. All registrations also include four free door prize tickets—no additional tickets will be sold, making your chances of winning a ham radio prize equal to everyone else.

HAMCON will have four tracks of interesting concurrent talks on Emergency Communication; DXing and Contesting; General Amateur and Technical Topics; and Topics for Newer Hams.

HAMCON 2015 has already completely filled its 65-booth Vendor/Exhibitor Room in the Marriott's Grand Ballroom and several adjoining rooms. You'll be able to see and touch many brands of amateur equipment, including those not sold in ham radio stores (such as Elecraft and FlexRadio, to name two).

Keynote speakers for the Saturday lunch, Saturday night banquet, and Sunday breakfast will be announced in the months ahead. Attendees at each meal will participate in a special prize drawing following the speaker's program.

You can register by completing the form shown elsewhere in this QRO issue or by visiting HAMCON 2015's website at www.hamconinc.org and download a registration or register online using HAMCON's secure PayPal link.

The PVARC is one of 14 Los Angeles County and Orange County ham radio clubs behind HAMCON 2015. We'll be operating the Information Desk during the convention and hope many of our members can devote just two hours to staff our function. ■

WELCOME NEW MEMBERS OF THE PALOS VERDES AMATEUR RADIO CLUB IN 2014-2015

JAMES MAXWELL, W6JBN
 CARL BARNES, AI6BA
 ALLEN BINDER, KK6MNU
 HENRY BREMER, KK6MNO
 SCOTT HARTNETT, KK6MNM
 JAMES LIAO, KK6MNT
 RICARDO QUINONES, KK6MNQ
 SHAWN SORBOM, KK6MNN
 KELVIN VANDERLIP, JR., KK6MNS
 RON WAGNER, AC6RW
 PAT BREWSTER, KK6KCL
 LUIS CARRANZA, KK6PIN
 JOSEPH ENFIELD, KK6PIO
 CHRIS SIOURIS, KK6PRU
 SUSAN SIESS, KK6QLY
 GARY FORISTER, N6HMR
 TREVA FORISTER, N6HMS
 PATRICK GARVEY, K6PDG
 DAVID HARMON, KE6OJN
 JOHN JENSEN, KK6CYU
 JAMES NADAL, WA6RYA
 ENDAF BUCKLEY, KG6FIY
 DARIN JAMES, KK6QLW
 ANTHONY BURNS, KK6SPH
 KATHY HAYNES, KK6SPG
 ROBERT MILLARD, KE6JI
 DAISY MILLARD, (XYL) KE6JI

Soon to be a relic...

HF Bands Don't Get Much Worse Than This!

Solar activity on March 16, 2015, created a severe geomagnetic disturbance on March 17 and 18—the likes of which hadn't been seen in quite a few years.

In case you missed it, shown at right are screenshots of solar conditions compiled by Paul Herrman, NONBH, that are familiar to visitors of the qrz.com website. Note at far right how Noise Levels were running S20+ as the K-index reached incredible 7 and 8 levels. The K-index has a maximum level of 9 (absolute worst) while K-indices of 1 or 2 are desirable for HF.

During the PVARC's 2012 Catalina Island DXpedition a coronal mass ejection hit Earth's stratosphere just after we arrived on the island. The K-index then reached 6 and the bands were nothing but noise for most of a day.

The March 17 and 18, 2015, disturbances topped anything we've experienced on Catalina in 2012 or 2015. Watch for more unusual solar weather as the current solar cycle declines from its recent peak. ■

Solar-Terrestrial Data/Predictions at www.qrz.com

17 Mar 2015 1700 GMT		Current Solar	Band	Day	Night
SFI	117	SN 057	80m-40n	Poor	Poor
A	011	K 8	30m-20n	Poor	Poor
XRY	B4.0	304A 141.2	17n-15n	Poor	Poor
Aur	10	Lat 51.0°	12n-10n	Poor	Poor
Bz	-14.5	SM 556.9	Geonag Field	SEV STRM	
PF	0.1	EF 0.1	Sig Noise Lvl	S20+	
MUF Bdr	NoRpt	@ - -	CME (UTC)	None	
EME Deg		Good	(C) P Herrman NONBH 2013		

Solar-Terrestrial Data/Predictions at www.qrz.com

17 Mar 2015 2220 GMT		Current Solar	Band	Day	Night
SFI	114	SN 057	80m-40n	Poor	Poor
A	100	K 7	30m-20n	Poor	Poor
XRY	B6.6	304A 141.6	17n-15n	Poor	Poor
Aur	10	Lat 51.0°	12n-10n	Poor	Poor
Bz	-16.3	SM 593.0	Geonag Field	SEV STRM	
PF	0.1	EF 0.1	Sig Noise Lvl	S9+	
MUF Bdr	NoRpt	@ - -	CME (UTC)	None	
EME Deg		Good	(C) P Herrman NONBH 2013		

Solar-Terrestrial Data/Predictions at www.qrz.com

18 Mar 2015 0100 GMT		Current Solar	Band	Day	Night
SFI	116	SN 057	80m-40n	Poor	Poor
A	117	K 8	30m-20n	Poor	Poor
XRY	B9.2	304A 141.6	17n-15n	Poor	Poor
Aur	10	Lat 51.0°	12n-10n	Poor	Poor
Bz	-7.1	SM 569.5	Geonag Field	SEV STRM	
PF	0.2	EF 1.0	Sig Noise Lvl	S20+	
MUF Bdr	19.01	@ 0035	CME (UTC)	None	
EME Deg		Good	(C) P Herrman NONBH 2013		

Solar-Terrestrial Data/Predictions at www.qrz.com

20 Mar 2015 1220 GMT		Current Solar	Band	Day	Night
SFI	109	SN 071	80m-40n	Poor	Poor
A	028	K 5	30m-20n	Poor	Poor
XRY	B5.4	304A 143.2	17n-15n	Fair	Fair
Aur	3	Lat 65.6°	12n-10n	Poor	Poor
Bz	0.0	SM 555.2	Geonag Field	MIN STRM	
PF	0.2	EF 12000.0	Sig Noise Lvl	S4-S6	
MUF Bdr	6.67	@ 1140	CME (UTC)	None	
EME Deg		Excellent	(C) P Herrman NONBH 2013		

Above: Screenshots from Paul Herrman, NONBH, solar summaries and forecasts on the qrz.com website during March 17-18, 2015.

Support ARRL efforts for H.R. 1301 to allow reasonable antennas where currently restricted by CC&R's

From the ARRL website

The Amateur Radio Parity Act of 2015 -- H.R.1301 -- has been introduced in the US House of Representatives. The measure would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land use restrictions. US Rep [Adam Kinzinger](#) (R-IL) introduced the bill on March 4 with 12 original co-sponsors from both sides of the aisle -- seven Republicans and five Democrats.

HR 1301 would require the FCC to amend its Part 97 Amateur Service rules to apply the three-part test of the [PRB-1](#) federal pre-emption policy to include homeowners' association regulations and deed restrictions, often referred to as "covenants, conditions, and restrictions" (CC&Rs). At present, PRB-1 only applies to state and local zoning laws and ordinances. The FCC has been reluctant to extend the same legal protections to include such private land-use agreements without direction from Congress. H.R. 1301 has been referred to the House Energy and Commerce Committee. Rep Greg Walden, W7EQI (R-OR), chairs that panel's Communications and Technology Subcommittee, which will consider the measure.

ARRL members are urged to contact their US House members and ask them to sign on to the bill as a co-sponsor. We recommend sending the letter to your member of Congress to:

ARRL
Attn: HR 1301 grassroots campaign
225 Main St
Newington CT 06111

A draft copy of a letter you may send to your House of Representatives member can be found at: <http://www.arrl.org/files/file/HR%201301/1301%20-%20draft%20letter.doc>. Please note: Do not address this letter to either of your U.S. Senators as HR 1301 is currently legislation pending in the House of Representatives, not the Senate.



ARRL Legislation

HR 1301: Let's Get it Done.

Show Your Support for HR-1301
The Amateur Radio Parity Act of 2015

▶ Learn More

Above: Screenshot from ARRL website, www.arrl.org



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:** _____

Palos Verdes Amateur Radio Club 2015 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

February

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

March

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

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		

May

S	M	T	W	T	F	S
31					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

June

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				

July

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

S	M	T	W	T	F	S
30	31					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

September

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		

October

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

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

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	

2015 Major Contest Dates

ARRL	CQ Magazine and Other
Jan. 23-25:	CQ Worldwide 160-Meter (CW)
Jan. 24-25:	ARRL January VHF Sweepstake
Feb. 13-15:	CQ Worldwide RTTY WPX
Feb. 20-22:	ARRL DX (CW)
Feb. 28:	North American RTTY QSO Party
Feb. 28-29:	CQ Worldwide 160-Meter (SSB)
Mar. 6-8:	ARRL DX (SSB)
Mar. 27-29:	CQ Worldwide SSB WPX
May 29-31:	CQ Worldwide CW WPX
Jun. 13-14:	ARRL June VHF Contest
Jun. 27-28:	ARRL Field Day
July 11-12:	IARU World Championships
Jul. 18-19:	CQ Worldwide VHF
Jul. 18:	North American RTTY QSO Party
Aug. 1-2:	ARRL UHF Contest
Sept. 12-13:	ARRL September VHF Contest
Sept. 25-27:	CQ Worldwide RTTY DX
Oct. 3-4:	California QSO Party
Oct. 23-25:	CQ Worldwide SSB DX
Nov. 7-8:	ARRL Sweepstakes (CW)
Nov. 21-22:	ARRL Sweepstakes (SSB)
Nov. 27-29:	CQ Worldwide CW DX
Dec. 11-13:	ARRL 10-Meter Contest
Dec. 27-28:	Worldwide Iron Ham Contest

 Club Meeting

 PVARC Public Service

 PVARC Ham License Class

PVARC Nets

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

PVARC Meetings & Meals

Meetings 7:30 pm **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.

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

December 10: Holiday dinner. Ports
O'Call Restaurant, San Pedro.

Major Ham Radio Conventions

Apr. 17-19: International DX
Convention, Visalia, CA
May 15-17: Dayton HamVention
Sept. 11-13: HAMCON 2015/ARRL
Southwestern Div.
Convention, Torrance
Marriott Hotel

PVARC Public Service Events

Apr. 26: Ridgecrest Int. School 5K
Aug. 8: Rolling Hills Estates
"Hills Are Alive" 5K/10K
Sept. 7: L.A. Harbor "Conquer the
Bridge" Race
Sept. 26: RAT Beach Bike Tour
Nov. 14: P.V. Half-Marathon/10K

PVARC HF Operating Events

Feb. 25-
Mar 1: Islands On The Air
DXpedition, Catalina
Island;
June 27-28: ARRL Field Day;
Aug. 14-16: Intl. Lighthouse
Weekend, Pt. Vicente
Lighthouse

PVARC Ham License Classes

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

Feb. 21 & 28; May 2 & 9;
Additional dates to be announced

Tell your friends and relatives about the PVARC's May 2015 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 May 2 and May 9, 2015

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, May 16, 2015.

The Palos Verdes Amateur Radio Club will make a brief presentation at 9:30 AM at the start of the May 2nd 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



HAMCON 2015 2015 ARRL Southwestern Division Convention

September 11-13, 2015
Torrance Marriott South Bay Hotel
3635 Fashion Way, Torrance, CA 90503

Convention Registration Form

Visit us at: www.hamconinc.org/

All attendees over 16 years old must have a separate paid registration; no charge for registered children under 16 when accompanied by paid Adult registrant. Children under 16 will receive different color ID.

Call Sign: _____

Last name: _____

First name: _____

Street or mailing address: _____

City: _____

State & ZIP Code: _____

E-mail address: _____

Phone: _____

Additional Attendee #1

Call Sign: _____

Adult: Child:

Last name: _____

First name: _____

Additional Attendee #2

Call Sign: _____

Adult: Child:

Last name: _____

First name: _____

Additional Attendee #3

Call Sign: _____

Adult: Child:

Last name: _____

First name: _____

Every adult Early Registrant receives a free Convention Pin or Patch (a \$5 value): # of Pins ____; Patches ____

	Per Person	x	Number	= \$ Total
Early Registration, postmarked by July 31, 2015:	\$22			
Regular Registration, Aug. 1-Sept. 13, 2015:	\$27			
Saturday Lunch**: __Chicken __Vegetarian	\$32			
Saturday Dinner**: __Chicken __Vegetarian	\$50			
Saturday Dinner**: __Beef (reflects hotel's cost)	\$58			
Sunday Breakfast** (plated meal: meat, eggs, +)	\$25			

** Each meal has a special prize drawing exclusively for attendees

Additional Convention Pins ____ or Patches ____ \$5 ea.

For discounted HAMCON room rates at the Torrance Marriott Hotel, visit www.hamconinc.org by Aug. 15, 2015; in Main Menu click on "Hotel Room Reservations"

Total Amount Paid:	
Cash	Check

Please send Registration Form and Check to:

HAMCON Inc.
c/o Margie Hoffman, KG6TBR
21612 Grovepark Dr.
Santa Clarita, CA 91350

For HAMCON staff use:
Registration received by: _____
Date received & registration #: _____
Amount received: \$ _____

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 or explains all short text items in this month's QRO into a larger body of text to facilitate conversion into speech.

Page 1: The photo shows Pt. Vicente Lighthouse during mid-morning hours on an April day. The ARRL logo appears in the upper right corner.

Page 2: The photo at the bottom has the extended caption, "Rolling Hills Estates Mayor John Addleman (left) presents a resolution honoring the PVARC for its public service work. Accepting the resolution at the March 24, 2015, RHE City Council meeting were PVARC President Diana Feinberg, AI6DF (center), and Walt Ordway, K1DFO (right). Also attending the meeting were PVARC members Bob Closson, W6HIP; Melody Colbert, KI6SPA; and Curtis Watanabe, KI6KUK. PHOTO: BOB CLOSSON, W6HIP "

Page 3: A large photo comprising most of the page shows the complete text of the City of Rolling Hills Estates resolution honoring our club's public service.

Page 4: An illustration at the bottom of this page is a map showing the new route for the Ridgecrest Intermediate School 5K along Norris Center Drive, Deep Valley Drive, Crenshaw Boulevard, and Silver Spur Road.

Page 6: Numerous pictures illustrate the different types of RF connectors and adapters.

Page 7: The entire page is a table showing information about each type of RF connector.

Page 8: The illustration at upper right is a map of the Spratly Islands in the South China Sea and has the caption, "Above: Pagasa Island is also known as Thitu Island (orange circle). The Spratlys are contested by China, Taiwan, Vietnam, the Philippines, Malaysia, and Brunei. China is currently building a 10,000-foot aircraft runway atop Fiery Cross Reef (red circle) and has a garrison on Mischief Reef. Vietnam has a military base on Spratly Island, the furthest west of these islands. Map: Cartothèque Spiridon Manoliu. The illustration at left center has the caption, "Left, center: PVARC member Joel, WJ1P, at the LAX Tom Bradley Terminal leaving for the Spratlys with his gear." The photo at the bottom has the caption, "Left, bottom: Aerial view of Pagasa Island, now mostly a Philippine military site with a small civilian population. PHOTO CREDITS: DXOP WEBSITE.

Page 9: The illustration at upper left is the HAMCON 2015 logo.

Page 10: Four illustrations on the right side are screen shots from the qrz.com website showing HF propagation values and predictions of Paul Herrman, NONBH, during an extensive geo-magnetic disturbance on March 17-18, 2015.

Page 11: An illustration at the bottom of this page shows the U.S. Capitol building in connection with House of Representatives Bill 1301 that would require communities with deed restrictions to make reasonable accommodation for amateur radio antennas, especially ones used for disaster communication.

Page 13: The entire page is the PVARC's 2015 activity calendar.

Page 14: The photo at top right shows a typical handheld amateur radio.

Page 15: The entire page is a registration form for HAMCON 2015 and contains the HAMCON logo at upper left.