

Palos Verdes Amateur Radio Club



K6PV



Q R O

MAY 2007

Everything you wanted to know
about HF Antennas
by the Club's
Antenna Guru

Bill Harper, WA6ESC



Visit Our Web Site

K6PV

www.palosverdes.com/pvarc

The President Pontificates

Joe Locascio, K5KT

Hey, what happened to April? All of a sudden, I look up and it's MAY. Well, that's not all bad. No more Taxes, first full month of baseball, intermediate Rotor repairs finished, Kitchen is now finally all finished!, a very good program on HF equipment by Mel K6SY, and ending with a very good DX Convention – just ask Jeff K6JW! And you can even ask me too! Seems we have new Radios to get familiar with. So, I submit April was really a good month.

Now on to May. Some notable upcoming activities: Military Radio Collectors Group conference (it will be over by the time you read this); DCS meeting on the 8th; PV Marathon and Armed Forces Day on May 19th; Dayton Hamvention (arguably the biggest), final preps for Club Field Day next month as well as final preps for our trip; and more. Bill WA6ESC will be telling us more about how antennas work, and more about how to build (more reasonable sized) HF Antennas, some to go along with the types of equipment Mel showed us last month. HF is REALLY fun.

The DX Convention was, as usual, an excellent occasion to see old friends and meet new ones as well as viewing the DXpedition presentations and other interesting (information) programs. It really is exciting and interesting to see these people and compare notes about our operations and countries at the very least. Some of the programs provided excellent information on 'How to DX from a City Lot' and DXpeditions to such places as Swains Island, Montenegro, and LYBIA!! Notable visitors were Wolf, DF2PY, who is a low band enthusiast from just West of Frankfurt, several from Brazil, England, Scotland, Ukraine, Italy, Balearic Island, New Zealand, Finland, and a young man from Thailand Camp, E21EIC, who actually won one of the very nice (Radio) prizes (don't forget to ask Jeff K6JW and me about our (new) Radios!!). I've worked Wolf several times on 20M and will also see him at Friedrichshafen next month too, as well as meeting and seeing others that I've worked over the years; but, have not yet met. DXpeditions, often to rather exotic places (as noted above), continue to provide exciting and interesting aspects of Amateur Radio. Most of these happen primarily, if not exclusively,

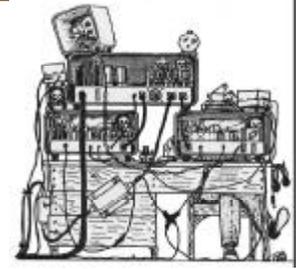
on HF. There is no need to shy away from one of the most exciting parts of Radio.

With the recent changes to our Licensing structure, upgrading has become much easier. The classes given by Walt Ordway, K1DFO, offer the opportunity to upgrade even easier. And also, don't hesitate to ask any of us who have experience in HF. We will be delighted to share our knowledge and experience!

On the other hand, VHF and UHF offer interesting challenges, especially during the summer months. The nice cool of June also brings 'ducting' type propagation to Hawaii (over 2200 miles) where one can work KH6's directly on SSB, FM, and CW on 2 Meters and sometimes 70 CM and other similar bands, ala 6M, 1¼ M, 1.2 GHz, etc. Then there are several VHF/UHF contests where one can work many Grids in several (Western) States. There are a couple of stations in the area where one might get a little exposure and experience with this aspect of Amateur Radio.

Well, that's it for May. I (and Marian) will be thinking of you all next month, as we tour Germany,

Continued on Page 3



Board of Directors

| | |
|----------------|-----------------------|
| President | Joe Locascio, K5KT |
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Appointed Offices

| | |
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| QRO Editor | Ginger Clark, KG6TAU |
| Editor Emeritus/ Proofreader | Bryant Winchell, W2RGG |
| Graphics Guy | Rick Murray, K6WXA |
| Web Page Editor | Rick Murray, K6WXA |

www.palosverdes.com/pvarc

Contacts

| | |
|-------------|--------------|
| QRO Editor | 310-378-7894 |
| WebMeister: | 310-544-0982 |

DE the VP



Denzel Dyer, KG6QWJ

The VP has even less than usual to say this month. Spent too much time with the Marathon and fighting computers.

First, thanks to Ginger Clark and Rick Murray for publicizing the need for volunteers for the PV Marathon and for the Marathon section of the Club Web site. If all goes well, we have enough volunteers, though if one or two more members want to help, I can find places for them.

With the CW test no longer a barrier, moving from Technician to General requires only passing a written test. Last month's program by Mel Hughes was on why HF (relatively low-frequency, from the view-

point of Technicians, but it's far too late to rewrite radio history) is fun, useful, and accessible. Mel showed some hardware, and, I believe, will have more this time.

Transmitters don't transmit much without an antenna. I do recall reading of a ham who made contacts while using a light bulb as a dummy antenna. Certainly compact and inconspicuous, but perhaps not quite what most of us need. This month we have a presentation on HF antennas by Bill Harper. We can also expect pointers by Jeff Wolf on what to do on Field Day (24 June) and how to do it.

Denzel Dyer, KG6QWJ

Treasurer's Report

Bill Harper



As of May, 2007

| | |
|---------------------|------------|
| PVARC Balance | \$1,985.12 |
| John Alexander Fund | \$ 795.50 |
| Repeater Fund | \$ 847.16 |
| Total | \$3,627.78 |

Welcome New Members!

Michael Barry, KI6GTH, RHE
Ray Day, N6HE, RPV
Donna Day, W6DLD, RPV

Pontifications



Northeastern France, Eastern Belgium, a good bit of Holland, and especially at the Ham Convention in Friedrichshafen.

See you at the May meeting and then see you all in July.

Vy 73

Joe, K5KT

PS: NO progress on the Shack cleanup. Seems to be a (LATE) Summer project, if I'm lucky!

Marathon Radio Operators!!

Thanks to all of you who have stepped forward and volunteered to take the morning of Saturday, May 19, to help out at the Marathon.

It looks like Denzel has just enough volunteers to handle things. He even managed to commandeer his non-ham wife to help out at Control Central.

Nevertheless, he can always use more help. If you'd like to join the fun, email Denzel Dyer at denzel.dyer@verizon.net, or phone him at 310-377-7579 (home) or 541-5320 (home office).

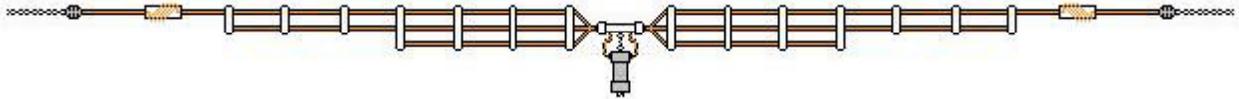


Antenna of the Month



10 - 20 - 40 Meter Tri-Band Dipole

Rick Murray, K6WXA



I happened upon a very poor picture, lacking in detail, of a multi-band HF dipole and only for aesthetic reasons, decided to pursue it. Then as much as I preach against it, I used a Computer Aided Design program to put it all together. While the program didn't give me the exact specifications needed, it did get me in the ballpark.

The dipole was designed for the General Class phone portion of the 10, 20 and 40 Meter bands. These three particular bands were selected as they are each resonant to the other and that simply makes the antenna easier to construct without employing traps or the use of some type of antenna tuner.

Simply put, the antenna is three half-wave dipoles, separated by lengths of ½-inch PVC and with each dipole connected to the same feedpoint through a 1:1 balun. The 40 Meter portion is a pair of wires cut to twenty one feet, seven inches. This length is then connected to eight feet, six inches of a loaded coil wound around a ¾-inch PVC coil form. From the coil there is another length of seven feet, two and one-quarter inch lengths of wire which tunes it for a center frequency of 7.262 MHz. Suspended below the 40 Meter dipole is the 20 Meter dipole. This consists of a pair of wires, each cut to sixteen feet eight and nine-sixteenths inches, tuned for a center frequency of 14.287 MHz. Suspended below the 20 Meter dipole is the 10 Meter dipole. This is made up of a pair of wires, each cut to eight feet, six and three-eighths inches, tuned for a center frequency of 28.400 MHz.

Set-up and testing found each dipole had a bandwidth of approximately 150 KHz, with a VSWR ranging from 1.1:1 to 2.1:1 on each of the respective bands. At just under sixty feet in over-all length, just setting it up for testing can be cumbersome... so unlike past antennae, I won't be bringing it in to show it off at the next Club meeting. But I will prepare an adequate presentation geared for the interested builder.

If you're interested in pursuing this project, plans are available on the Club's website on the Projects page.



Notes from K6JW

Choosing an HF Transceiver: Basics for the Beginner - **Part 2**

J. Wolf, K6JW

Last month, K6JW gave us an introduction to choosing an HF Transceiver, and began with sensitivity. This month we're continuing with his sage advice.

Dynamic Range

Dynamic range refers to the ability of a receiver to hear a strong and weak signal simultaneously without degradation of the weaker signal by the stronger. It's calculated by taking the difference between the MDS (noise floor) and the dB of a strong signal close in frequency but just outside the passband where the weak signal is located. *QST* actually reports a slightly different measurement, the blocking dynamic range. This is similar to the dynamic range but measures the difference between the MDS and dB of a strong signal just outside the passband that just causes a 1 dB reduction in signal strength of the weaker signal. It is also sometimes referred to as receiver "desense" (short for "desensitization"), and in practical terms it describes how much a strong signal will serve to degrade reception of a weak signal near it in frequency. Think of it as a measurement of the receiver's "fairness" to weak signals, *i.e.*, it's ability to protect weak signals from the bullying of strong signals.

Finally, with respect to dynamic range, there are two other measurements of significance: noise limited blocking dynamic range and two tone third order IMD dynamic range. The former is a measure similar to blocking dynamic range but the trigger point is a 1 dB increase in the noise of the receiver due to interaction of the strong signal with the radio's internal oscillator circuitry. This is of interest because it typically occurs before noticeable desense appears. The two-tone third order IMD dynamic range measurement is more useful, and is a measure of how two signals *outside* the passband may interact within the receiver's circuitry to produce interference *inside* the passband. It's measured by taking the difference between the MDS and the level of the unwanted signals causing the in-pass-

band trouble. The "trouble" is called intermodulation distortion, or "IMD", for short. Typical numbers for receivers running without preamplifiers are in the range of 85 to 100 dB, with larger numbers reflecting better performance.

Intercept Points

Intercept points are related to intermodulation distortion, but are theoretical figures that are calculated and reported as an indicator of the ability of a receiver to ignore distortion products produced in the passband by interacting signals outside the passband. So-called third order intercept values may vary widely between radios, with typical preamp-off numbers ranging from 3 to 29 dBm between lower and higher performing units and based upon the frequencies being reported. Larger absolute values reflect better performance.

IF and Image Rejection

These are similar, and reflect the ability of the receiver to reject interfering signals generated in the IF and mixer stages of the receiver (beyond the scope of discussion of this article – there's that basic theory issue, again!) that will cause degradation of performance within the passband. Larger absolute numbers reflect better receiver performance.

With the above explanations under your belt or, at least, available for reference, you should now be able to read transceiver reviews in *QST* and be able to set up some comparisons between the receiver sections of different transceivers. As you do so, you will undoubtedly note that the differences in some measurements may in some cases be remarkably small between lower end and upper end units. Generally, this is because all of the commercially available transceivers have achieved an excellent level of baseline performance. What distinguishes the upper end units is additional narrow filtering with associated digital noise reduction and interference fighting feature, and other "bells and whistles" which you may or may not need,

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or be able to afford. Some higher end units also contain a dual receive option, so that two frequencies can be monitored simultaneously. This last feature

is very useful for serious DXers and contesters.

Again, note that this article has *not* addressed transmitter measurements. Why? Because, frankly, it's the receiver that should be your main concern. Transmitter function will be adequate in any radio you are likely to buy unless you are looking for certain specific or very high end capabilities – another subject for another time, perhaps.

If you are a member of the ARRL (as well you should be!) you can access their product review archive via the Members Only section of the ARRL website at www.arrl.org. I encourage you to think through your wants and needs, set a budget, and then study and compare the reviews carefully. You may also find some useful (if often highly biased) information in the reviews posted by individual hams on www.eham.net, although I'd take most of them with a grain of salt and you'll have to be able to tolerate some very bad writing.

Finally, remember what I said at the top of this article. It's not the radio that is likely to determine your ultimate success or failure on the air. It's your antenna. Even the most modest, entry level radio from one of today's major manufacturers will perform acceptably with a good antenna. In contrast, a \$12,000 super-radio will be nothing but a worthless piece of techno-junk if all it's mated with is a poor skywire. So, it's fine to go for the glitz but, in the end, remember that *every* experienced ham will give you the same sage advice: put your biggest effort into getting the best damned antenna you can up as high as you can and in the clear. *Then*, go chasing after the rest.

Welcome to HF!

73,

JW, K6JW



Palos Verdes Concours d'Elegance

The 15th annual PV Concours d'Elegance will be held on Sunday, 16 September at the Trump golf course. The personnel who run the event use dozens of rented commercial handheld radios for their communications. But, the coordination and support of this equipment is done by a bunch of us ham radio operators.

The side benefits of working this event are that since you are considered to be "volunteer support", you get free parking (saving \$5), free admission (saving \$30), a free box lunch, and you get to walk around and see all of the classic cars. So, if you are a car buff, you may want to volunteer for this fun event. If so, contact Walt, K1DFO, at waltordway@juno.com.

International Lighthouse & Lightship Weekend



August 17 – 19, 2007
Point Vicente Lighthouse
USA-640

*Anacapa Isl. Light
Station, USA-012*

The 2007 International Lighthouse & Lightship Weekend, is August 17 through the 19th at the Point Vicente Lighthouse.

Last year, 377 lighthouses / lightships in 43 countries, participated in the event and thousands of radio contacts were exchanged with stations around the world. Each year the number of participating lighthouses increases as the popularity of this event grows; and each year it seems, a "new one" makes the list. This year is no exception.

Anacapa Island Light Station, USA-012, constructed in 1932, and the last lighthouse built on the west coast will be on-the-air for the first time ever, as station **W6C**. While Anacapa Island itself has been activated in the past by IOTA DXpedition'ers, its lighthouse has never been a DX focus.

More details and information will follow as we get closer to this year's event. Hard to believe its still months away, and yet already 77 lighthouses in 18 countries have registered to participate in the event.



ARRL Summary Report

Bryant Winchell, W2RGG

May, 2007



FCC INVITES “OPPOSITIONS” ON TWO “MORSE PROCEEDING” RECONSIDERATION PETITIONS

The FCC has invited opposition comments (“oppositions”) to two petitions for reconsideration filed in the wake of the Commission’s Report & Order (R&O) in WT Docket 05-235. That R&O altogether eliminated any Morse code examination element to obtain an Amateur Radio license. One petition calls on the FCC to reinstate the 5 WPM Morse code requirement for Amateur Extra class applicants. *Ref.: The ARRL Letter Vol. 26, No. 15*

PRESIDENT RECOGNIZES RADIO AMATEUR’S DEDICATION TO VOLUNTEER SERVICE

President George W. Bush has honored ARRL member Randy Hatfield, AG6RH, of Victorville, California, with the President’s Volunteer Service Award. A volunteer with the City of Victorville Community Emergency Response Team (CERT) and Emergency Communication Service, Hatfield met briefly with the president April 4 to receive the award. *Ref.: The ARRL Letter Vol. 26, No. 15*

ARRL AIDING EFFORT TO MITIGATE REPEATER INTERFERENCE TO MILITARY RADARS

The ARRL has been working with the US Department of Defense to develop a plan to mitigate alleged interference from 70 cm ham radio repeaters to military radar systems on both coasts. Amateur Radio is secondary to government users from 420 to 450 MHz and must not interfere with primary users. Citing an increasing number of interference complaints, the US Air Force has asked the FCC to order dozens of repeater systems to either mitigate interference to the “PAVE PAWS” radars or shut down, *Ref.: The ARRL Letter Vol. 26, No. 16*

FCC POISED TO CUT VANITY CALL SIGN FEE BY MORE THAN 40 PERCENT

The FCC has proposed reducing the regulatory fee to obtain or retain an Amateur Radio vanity call sign by more than 40 percent starting later this year. *Ref.: The ARRL Letter Vol. 26, No. 16*

RED CROSS, ARRL DISCUSS BACKGROUND INVESTIGATIONS

Amateur Radio Emergency Service (ARES) members volunteering to support Red Cross disaster relief or recovery operations would not have to submit to a Red Cross background check unless their volunteer stints extended beyond seven days. That was the word from American Red Cross officials, *Ref.: The ARRL Letter Vol. 26, No. 16*

HAM RADIO LETS ISS CREW MEMBERS CONNECT WITH SCHOOLS AROUND THE WORLD

The Amateur Radio on the International Space Station (ARISS) program is having a very busy and successful April. So far this {that} month, Amateur Radio has made it possible for youngsters at nine schools in the US, the Netherlands, Australia, Hungary and Russia to speak with the astronauts and cosmonauts aboard the ISS as well as with a civilian guest. *Ref.: The ARRL Letter Vol. 26, No. 16*

ARRL WITHDRAWS “REGULATION BY BANDWIDTH” PETITION, PLANS TO REFILE

The ARRL has withdrawn its controversial November 2005 Petition for Rule Making (RM-11306) <<http://www.arrl.org/announce/regulatory/rm-11306/RM-11306-asFiled.pdf>> calling on the FCC to establish a regulatory regime to segment bands by necessary bandwidth rather than by emission mode. *Ref.: The ARRL Letter Vol. 26, No. 17*

APPLICATION SURGE CONTINUES UNDER NEW AMATEUR RULES

It’s been just a little more than two months since the FCC dropped the requirement that Amateur Radio applicants pass a Morse code test to earn operating privileges below 30 MHz. While the initial avalanche of applications immediately following February 23, when the no-Morse testing regime went into effect, has abated somewhat, business remains brisk for the ARRL Volunteer Examiner Coordinator staff. <Snip>

In a typical pre-February 23 week, Somma said, ARRL VEC would receive paperwork from approximately 115 test sessions. "It's on the order of 150 to 200 sessions per week now!" she exclaimed. <Snip>

To satisfy his own curiosity, ARRL member Tommy Gober, N5DUX, compiled some FCC statistics on the number of new Technician, General and Extra licenses before and after the Morse code requirement was deleted. His numbers show the FCC issued nearly 700 more Amateur Extra, 3625 more General and 454 more Technician licenses in March 2007 than in the same month last year. *Ref.: The ARRL Letter Vol. 26, No. 17*



AMATEUR RADIO PARTICIPATES IN 2007 NATIONAL HURRICANE CONFERENCE

Amateur Radio had a seat at the table during the 29th National Hurricane Conference, April 2-6 in New Orleans. The annual gathering, which serves as "the nation's forum for education and professional training in hurricane preparedness," featured Amateur Radio's role in severe weather situations. *Ref.: The ARRL Letter Vol. 26, No. 17*

ARRL FINDS WELCOME NEWS IN FCC "SMART RADIO" ORDER

In a recent Memorandum Opinion and Order (MO&O) <http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-07-66A1.pdf> on cognitive or "smart radio" systems, the FCC has affirmed its favorable policy toward the regulation of amateur software defined radios (SDRs). *Ref.: The ARRL Letter Vol. 26, No. 18*

SCARBOROUGH REEF BS7H OPERATION SHUTTING DOWN THIS WEEKEND

If you haven't already snagged BS7H on Scarborough Reef <<http://www.scarboroughreef.com/>>, there's precious little time left to put the world's most-wanted DXCC entity into the log. The BS7H DXpedition has announced operation will cease by 0000 UTC on May 6. *Ref.: The ARRL Letter Vol. 26, No. 18*

UPTICK IN ISS CONSTRUCTION TO AFFECT HAM RADIO OPERATIONS FROM SPACE

In a recent Amateur Radio on the International Space Station (ARISS) <<http://www.rac.ca/ariss>> progress report, ARISS International Chair Frank Bauer, KA3HDO, addressed some questions regarding ARISS operations and equipment upgrade and repair. Bauer says that with the successful space shuttle return to flight, ISS construction again has shifted into high gear. Delivery and assembly of two new ISS modules now are on the near horizon. But that activity's not without a downside for Amateur Radio activity from the ISS. *Ref.: The ARRL Letter Vol. 26, No. 18*

FCC TERMINATES HEARING, DENIES APPLICATION IN "HAM LICENSE HIJACKING CASE"

The FCC has terminated with prejudice a hearing proceeding involving a case of apparent ham radio identity theft. The FCC has said its evidence suggests that Joseph W. Hartmann Jr of Lansing, Michigan, "intentionally submitted fraudulent administrative updates" to obtain the privileges associated with the General class license of a Delaware radio amateur with a very similar name. *Ref.: The ARRL Letter Vol. 26, No. 18*

MOTOROLA SUSPENDS POWERLINE LV BPL DEVELOPMENT

Less than two years after announcing its Powerline LV Access BPL product, Motorola has decided to suspend product development and to devote its resources to more promising markets, industry sources say. *Ref.: The ARRL Letter Vol. 26, No. 18*

ARRL FOUNDATION PROVIDES SECOND DONATION TO ARISS COLUMBUS PROJECT

The ARRL Foundation has granted an additional \$2000 toward the cost of constructing and installing Amateur Radio antennas and equipment on the International Space Station's Columbus module, set to launch later this year. The ARRL Foundation earlier contributed \$5000 to the project. *Ref.: The ARRL Letter Vol. 26, No. 18*

MAY 2007



General Meeting Minutes April 18, 2007



Rick Murray, K6WXA, has once again stepped up to the notepad and taken the meeting minutes. It is with great hope that my family emergency, which has lasted two long months, stops being so urgent so I can get back to business. Meanwhile, I am indebted to Murray who is always a real trooper (er, MP, I mean). Ginger, KG6TAU.



The meeting commenced at 19:30 with the Pledge of Allegiance, led by Joe Locascio, K5KT. A headcount showed there were 30 persons in attendance, including one new ham.

Joe Locascio opened the meeting. He thanked people for renewing their memberships, and gave a brief introduction on tonight's topic of *HF Communications*. One key point mentioned was HF's capability during emergencies. Joe suggested that perhaps a future edition of the QRO as well as a Club meeting program, be centered on emergency communications including aspects of DCS, PVAN, the Peninsula Library and School Systems emergency communications.

Alan Soderberg, W8CU said that the next PVAN training session will be on April 26th, at 19:30 in the *Fireside Room* at Hesse Park. Bill Pomeranz, KB6FB, will provide the training on DCS & PVAN followed by Alan giving a presentation on the new RPV communications center.

Herb Clarkson, KM6DD, reported that he will attempt to coordinate the school's nets using the RPV communications center as a central hub.

Bill Harper WA6ESC, presented the Treasurer's Report. There is \$795.00 in the John Alexander Fund; \$847.00 in the Repeater Fund and a total bank balance of \$3,627.78. Of that amount, \$1,148.00 is just from this year's membership dues. Club membership stands at 104 members, including 10 new members who joined this year. 66 of our Club members (63%) are A.R.R.L. members. 19 or 20 of last year's Club members haven't renewed.

.From the PVARC mailbox: Our 21st QSL card request from our Catalina Island expedition has arrived.

Jeff Wolf, K6JW, said that this will be the Club's

18th *Field Day*. It's held the last full weekend in June. Jeff will work a date for a "worker-bee" meeting for sometime in late May or early June.

Denzel Dyer, KG6QWJ, now has enough personnel signed up to work the PV Marathon, but others are still invited to participate. Denzel also said that next month's presentation will be on HF Antenna's and he currently has programs scheduled up through September.

...Intermission called at 19:57 with resumption of business at 20:15...

Everyone was asked to stand up and introduce themselves, along with brief remarks.

Bill Harper presented our "Antenna of the Month" - the *HamStick 40 Meter Dipole*. Constructed from two commercially produced *HamStick* mobile whips, horizontally polarized to a "T" mounting bracket. If purchased new from a distributor, each whip costs approximately \$27.00, but the complete antenna as presented, only ran a total of approximately \$40.00 as all related parts and hardware were acquired at the TRW Swap Meet.

Mel Hughes, K6SY, presented this evening's program on HF radio equipment, including a display and explanation of various HF equipment produced. Shown were typical table-top transceivers along with portable and mobile equipment. Also presented were various types of wire antenna's along with 24-Hour clocks for record keeping. Mel also provided various fliers from assorted radio manufacturers for reference.

...Meeting was adjourned at 21:45



Memory Test



We ran this last month and so far no one's commented pro or con about the list. Since we still don't yet think it's correct we'd love to have some feedback from those in the know...or those who think they've found an error in the list. For instance, we think Bannister Bray was President one year. Was he? When? Help! And who was Ann Willert's, N6GVP, vice President? Sheesh! You'd think we could remember a mere 27 years of leadership! Thank you!

| Year | President | Vice President |
|------|------------------------------|--------------------------------------|
| 2007 | Joe Locascio, K5KT | Denzel Dyer, |
| 2006 | Dave Scholler, KG6BPH | Jeff Wolf, K6JW |
| 2005 | Dave Scholler, KG6BPH | Jeff Wolf, K6JW |
| 2004 | Mel Hughes, K6SY | Dave Scholler KG6BPH |
| 2003 | Steve Smith, K06ZC | Mel Hughes, K6SY |
| 2002 | Herb Epp, W6RBW | Curtis Jones AE6CJ |
| 2001 | Herb Stark, K06RC | Curtis Jones, AE6CJ |
| 2000 | Steve Smith, K06ZC | Jack Carter (acting) |
| 1999 | Jack Carter, KC6WYC | Steve Smith, K06ZC |
| 1998 | Jack Carter, KC6WYC | (None) |
| 1997 | Jack Carter, KC6WYX | Jim Smart, KE6ZWZ |
| 1996 | Merrill Stone, N6KNO | Jack Carter, KC6WYX |
| 1995 | Ken Getzin, K06ER | Jack Carter, KC6WYX |
| 1994 | Marti Brutcher, N6XDS | Ken Getzin, KD6MKJ |
| 1993 | Charlotte Iseda, KB6FXS | Bannister Bray, KM6ES |
| 1992 | Paul Weisz, K6YQ? | Pete deLettis, W1IQS |
| 1991 | Jeff Wolf, WA6DAL | Marti Brutcher, N6XDS |
| 1990 | Dale Hanks, N6NNW | Jeff Wolf, WA6DAL |
| 1989 | Robert Keefer, WA6ZTD | Bill Wiggings, WA6VLP |
| 1988 | Walt Ordway, K1DFO | Merrill Stone, K6NKO (call correct?) |
| 1987 | Bryant Winchell, N6NOP/W2RGG | John Alexander, K6SVL |
| 1986 | Joe Locascio, K5KT | Walt Ordway, K1DFO |
| 1985 | Dan Colburn W6DC/WB6JTT | Bob Kidder, W6NSZ |
| 1984 | Ann Willert, N6GVP | |
| 1983 | Clint Mason, WA6TMJ | Mike Semos, N6DBS |
| 1982 | Randy Tyndall, N6BXP | Clint Mason, WA6TMJ |
| 1981 | Peter Von Hagen, WA6HXM | Randy Tyndall, N6BXP |
| 1980 | Sam LaLande, W6OXX | Howard Munnell, WA6RZN |



Rolling Hills Estates 10K/5K

This year's annual RHE 10K/5K event has been moved to Saturday, 11 August. The event starts and finishes at Ernie Howlett Park, just off of Hawthorne Blvd. This 10K/5K event is a bit different from other 10K/5K events. This one is run mostly on the horse trails in the City of Rolling Hills Estates, and also goes through the Botanical Gardens.

The race will start at approximately 8:30 AM and will be completely finished by around 10:00 AM. If you'd like to help with the radio communications for this event, please contact Walt, K1DFO, at waltordway@juno.com



PVARC Vote results from the March Meeting - The Programs You Want - Part 2

Vice President and Program Chairman Denzel Dyer, KG6QWJ

Last month we brought you the results of the poll in which we asked which programs you most wanted to see.. This month, the rest of the poll results--your additional suggestions and comments and some pretty strong opinions--all are welcome--(editor).

HF antennas, programming analyses on wire antennas

Grounding, lightning protection: most important

Contesting: Ugh

DCS/PVAN: great if accepted and used by municipalities

Stealth antennas: very interesting

QRP, backpacking: could be fun

Repeaters: general info would be nice

Other emergency services: wonderful if accepted . . . in the municipality

FEMA: useless organization

Satellite comm.: OK but very expensive

SSB: great stamina expander

Digital radio: ? Explain

ARRL: no interest

Radio control: lots of fun

Mobile operation: how to set up a mobile station

Linked repeaters

Cross-band operations

PSK31

MMSSTV

Echolink

Slow Scan

Interace (?) Interale (?) Not sure if printed C or L. (Guess: Interlace ???)

Discuss and implement ways the hobby can be truly integrated into municipal, county and state systems.

Become an integral part of those systems, not an adjunct.

Blending radio and computers, etc., e. g., DXing, WiFi cards in laptops, etc.

Shack tour of member and non-member shacks, like a garden tour. Could be by video or as an off-meeting event

DXpeditions: Not too long

Hospital support

Rocco's radio collection

W6AM's grandson's memories

Book talk on radio-related books

Social event including wives

MF operations

Field trip to JPL

To Deep Space antenna site

To VOA, repeaters, at Delano CA

IOTA operations

Invite ARRL rep to make presentation

Digital radio mentioned (good); some presentations on cutting edge developments

Some older material like EME, packet

New battery technologies

Mobile radio and antenna installation

HF module (??)

Moon bounce

Antennas for condominiums

Field trips: KFI, Mt. Wilson, JPL, etc.

10-15 minute basic theory sessions:

SWR, synthesized circuits

APRS

Demonstration of making contacts other than field day

Stealth antennas: #1 priority (for that responder)

Monthly question box

Walt Ordway



Two Amateur Radio Courses

FCC “Technician” license course

FCC “General” license course

Course sessions are on June 9 & 16

Technician course from 10:00 AM to 2:30 PM

General course from 2:30 PM to 5:00 PM

The FCC test given on June 30, 10:00 AM to Noon

The location is Hesse Park

29301 Hawthorne Blvd.

Rancho Palos Verdes

- No pre-registration required -
- No fee for either course -
- Taking the FCC Test is \$14 -

Optional Material

- Study book with FCC test questions, \$15 -
- Copy of my Power Point charts, \$10 -

Students (thru grade 12) who take this course and get their license will be reimbursed up to \$40 by

The Palos Verdes Amateur Radio Club

For more information contact

Walt, K1DFO, at waltordway@juno.com

OPPORTUNITIES

May

May 16 - PVARC Club meeting

May 19 - Palos Verdes Marathon-With a new Organizer! Denzel Dyer, KG6QWJ, has offered to take over this year's marathon. When he calls to ask you to help, give him a break and say yes! If he doesn't call you, offer to help anyway. One morning worth of time. And it's fun!

June

June 20 - PVARC Meeting

June 23 & 24 - Field Day Weekend, Jeff Wolf, K6JW

August

August 11 - DATE CHANGE The Hills Are Alive, 5k/10k, RHE,

Walt Ordway, K1DFO, 310-541-4007

August 17-19th - International Lighthouse and Lightship Weekend, Dan Colburn, W6DC, 310-373-5206; Rick Murray, K6WXA, 310-544-0982.

August 19 - Annual PVARC Lighthouse Picnic

September

September 16-Concours d'Elegance- Trump National Golf Course - Walt Ordway, K1DFO, 310-541-4007.

Board of Director's meetings are held on the first Wednesday of the month at the president's house. All visitors are welcome.

Repeater Board of Director's meetings are held on an irregular schedule but all members are welcome to attend. Let a Board member know you're interested and you'll be contacted when a meeting is scheduled.

Need a Club Badge?

Contact Karen Freeman, KG6BNN
310-541-6971 \$13

Need a Club Patch?

Contact Joe Locascio, K5KT
310-373-8166 \$5

Want a new Club Jacket?

Contact Joe Locascio, K5KT
310-373-8166 \$35-\$50

Who's Who? Find An Elmer

Antennas:

Bill Harper, WA6ESC;

Rick Murray, K6WXA

Concours d'Elegance:

Walt Ordway, K1DFO

Contesting:

Bill Pomeranz, KB6FB

CW:

Jeff Wolf, K6JW

DCS:

Bill Pomeranz, KB6FB

DX:

Jeff Wolf, K6JW

Education/Classes:

Walt Ordway, K1DFO

Field Day:

Jeff Wolf, K6JW

HF, Getting Started:

Bill Pomeranz, KB6FB

Lighthouse Events:

Dan Colburn, W6DC

Rick Murray, K6WXA;

PVAN:

Alan Soderberg, W8CU

PV Marathon

Denzel Dyer, KG6QWJ

RHE 5K/10K

Walt Ordway, K1DFO

These Club members have all offered to share their skills. So feel free to contact them Find contact information in the Club Roster. Want to add your name to this list?

Contact the editor Ginger Clark, KG6TAU at ginger.garnett@gmail.com or 310.378.7894.



Palos Verdes Amateur Radio Club
P.O. Box 2316
Palos Verdes Peninsula, CA 90274

New Membership Application and Member Renewal Form

New: _____ or Renewal: _____ Membership Date: _____

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

(Applying) Member Information: Member Renewal same as Last Year? YES__NO__

Last Name: _____ First Name: _____ Spouse: _____

Street Address: _____

City: _____ Zip: _____

Home Phone: _____ Work Phone: _____

Email address: _____

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

License Call: _____ License Class: _____ ARRL Member? _____

Member of: DCS/RACES/ARES/PVAN _____ District _____ Unit ID # _____

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

Name _____ Call Sign _____ Class _____ ARRL _____

Name _____ Call Sign _____ Class _____ ARRL _____

Name _____ Call Sign _____ Class _____ ARRL _____

Individual membership (\$15.00) \$ _____
Household and/or Family membership (\$17.00) \$ _____
Donation to the John Alexander Fund \$ _____
Donation to the Repeater Fund \$ _____
Donation to PVARC \$ _____

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

Please make checks payable to: Palos Verdes Amateur Radio Club

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