Palos Verdes Amateur Radio Club

K6PV

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

Joe Locascio, K5KT, Gives the Straight Skinny On NVIS

Have you ever wanted to communicate with someone nearby, or just over a hill, or some other place reasonably close by, and just could not establish communications with that someone??

Have you ever wondered how some are able to make it ??? and some are not??

Have you ever heard about NVIS?

That could be the solution to these problems.

NVIS is Near-Vertical Incident Skywave, which your current station may or may not be adequate for.

Come hear about the combination of factors, equipment, and related issues that describe NVIS, and how it might be (very) useful for Emergency Communications and other instances where better local area communication is needed/desired!

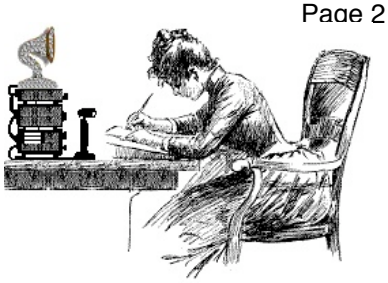
It might just be easier to deal with and actually implement than you think!

Which band(s) to use, the type and height of antennas, time of day/night, and more will all be discussed.

You might be surprised (and possibly pleased) at what you hear!

The President Pontificates

Ginger Clark, KG6TAU



Welcome to February!

As you probably know, this is election month. Last month we presented the prospective new board.

Joe Pace, NZ6L, is running for president and Knut Myhre, N6BNP, for vice president. They each bring their own set of skills to the job, I think they will each prove to be an asset to the Club.

Bill Leighton, KG6WVF, and Bill Harper, WA6ESC, have offered to stay on in their positions as Secretary and Treasurer respectively, providing experience and continuity to the new year and the new board.

I think we have a good lineup and hope that you will be at the meeting to give the slate an enthusiastic vote and welcome.

On a slightly different note, I would like to remind you to please pay your Club dues right now. This is not an idle request.

Running the Club costs us money: Insurance to cover events, a post office box, Club patches and QSL cards, maintenance of the Club trailer and Club repeater, and mugs with the Club logo on them to gift the speakers for their efforts; all these expenses come immediately to mind.

Then the events themselves--although the IOTA is pretty much self-supporting, the Club pays for the two radio rooms and, if we have the money, for food for the event. Then there are snacks for those intrepid members who put in many hours at Field Day, and the hamburgers for the Lighthouse picnic. Either we are a hungry bunch or I've got food on my mind right now.

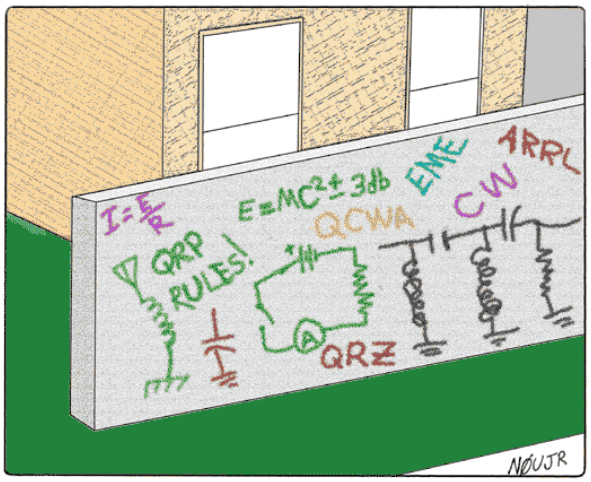
At any rate, it costs money to run the Club and we get our money from dues. So if you like having a repeater, and being a part of all the events, (and enjoy eating) please pay your dues now. Send them to Bill Harper at the Club P.O. box. Dues are the paltry sum of $15 single and $17 family.

Although I will still edit the QRO, this will be my final column as president of PVARC. I've tried to be pretty good about thanking people who have put time and effort into the Club over the year so I won't go through the list again. All those who've worked hard, you know who you are and so do the rest of us. Thank you! You are very much appreciated.

Hope you folks will give a little time to help out the new president when he asks. I really recommend you come out for the IOTA, Field Day, and the lighthouse picnic, along with the marathon and various other events we support with our HTs; not because it's your duty but because they're great fun to do, and they reward you with a lot of happy memories.

See you all at the next meeting and, after that, I'll see you in the QRO.

73, Ginger/KG6TAU



Ham graffiti.

de the VP
Denzel Dyer, KG6QWJ

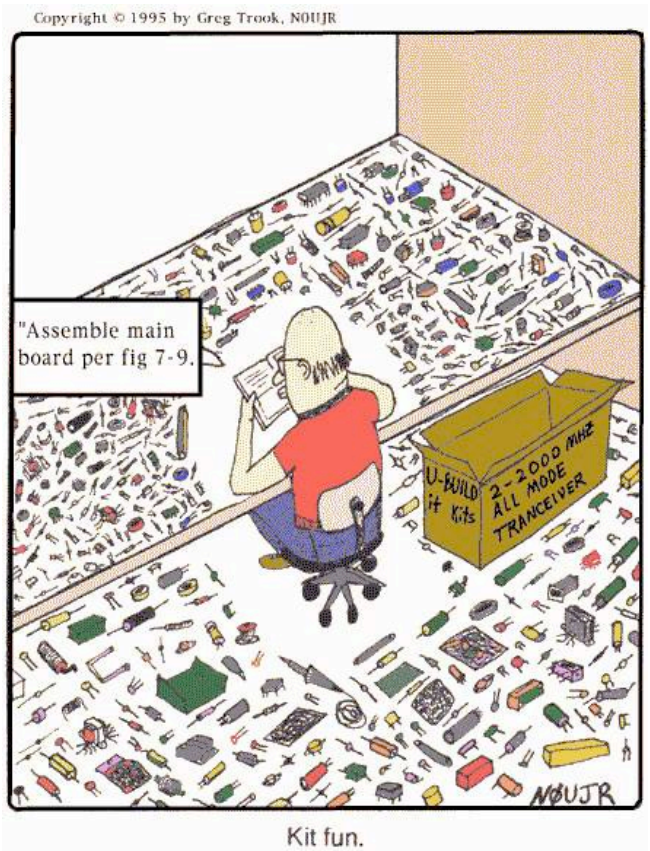
Here it is February already, and if I have counted correctly, this is my last submission to the VP column. First, I want to say that in spite of all that I have said about "happily" retiring, I have had a good time as VP, and have enjoyed working with the Board. I would say that I have had great cooperation from the Board, which is entirely true, but I really haven't done enough to need cooperation.

But thanks in several directions. First to Knut Myhre, whom I predict will be the new Vice-President, and who will be a good one. Then a scattering of thanks to Club members for their help, with special mention of Jeff Wolf, who has found, arranged, and presented a number of programs.

Moving ahead a little, we can all look forward to several coming programs. This month we have Joe Locascio, K5KT, who will tell us about NVIS (Near-Vertical Incidence Skywave). As you know, radio transmission over long distances requires reflection of signals from ionized layers. VHF and UHF signals mostly don't reflect and tend to be line-of-sight. HF signals do reflect, depending on the angle at which they hit the ionized layers. Toward the lower-frequency end of the HF region, you can get reflection from signals going very steeply upward (Near Vertical), with coverage within a few hundred miles. I'm hoping to learn a lot more at the next meeting (18 February, 7:30 PM, Hesse Park).

Then in March, April, and May we have programs by Jeff Wolf and Mel Hughes. I'll leave those for Knut to tell you about.

One more thing: The Palos Verdes Marathon is earlier this year (Saturday, 2 May). The Club has assisted with radio communication for about 30 years. On the assumption that no one else is actually going to fight for the job, I will be organizer and net control once more. I will try to get e-mails out to everyone who has worked in the past, but there is almost always room for more operators. Most operators will work at one of the aid stations along the route, while a few will be with vans hauling personnel or supplies, or driving the route, looking for places that may need help. Volunteer at denzel.dyer@verizon.net.



Kit fun.

Looking for an on-line practice exam for your next upgrade?
Check the PVARC website for all your options at:
http://www.palosverdes.com/pvarc/VETesting.htm

Candidate for President: Joe Pace, NZ6L

My goal in life in and after High School was to become an entomologist, which I studied at UC Davis for a couple of years before realizing that my true interest was in computer science. So, my hobby/job as a computer programmer swapped places with my vocational interests in bugs, and I worked for UCD and then the Army Corps of Engineers as a system programmer with an emphasis on communications protocols for several years before taking a job at Honda Motor Company doing communications systems engineering.

My interest in radio began when I was a kid, from my father's stories from WWII (he was a sergeant in the US Army Signal Corps through the end of the war and occupation in Okinawa). Sometime around second grade, I built a crystal radio from a kit and strung a long wire out to a tree and that had to be about the most magical thing I'd ever experienced, and started a strong interest in everything related to radio communications.

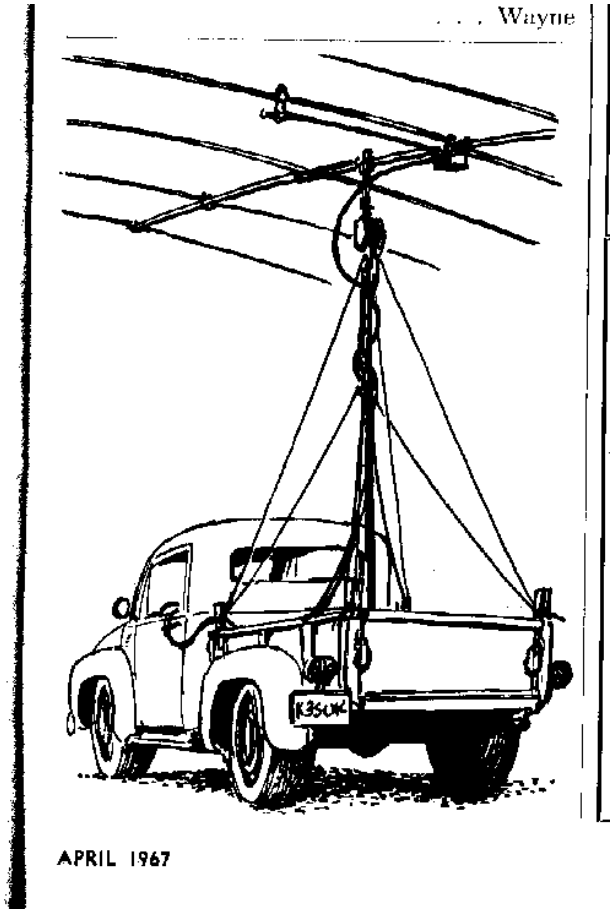
I didn't become involved in amateur radio until later in life, but government band phone & packet radio was a regular part of my daily life at the Army Corps, which we used to relay water data from the streams and snowfields back to Sacramento, and I became very involved with Phil Karn's, KA9Q, NOS system for AX.25 & Carl First's Ethernet packet routing. This was where I had my first experiences with repeater systems and HF radio.

After taking a job with Honda Motor Company in Torrance, and moving to Los Angeles, I fulfilled another interest, this time in aviation, and went through the process of becoming a private pilot, which has been very rewarding.

Meanwhile, my buddies in northern California had become hams, and when we got together, as we did every few months to go fishing or work on projects together, they encouraged me to get my license, and I finally got the bug and went from zero to Extra in about three months, and have been having a great time ever since.

I enjoy DX, contesting, packet/digital, and wherever radio fits into my life.

73, Joe, NZ6L



Candidate for Vice President: Knut Myhre, N6BNP

I was first licensed in 1954 in Norway and received the call sign: LA1IF, which I have maintained over the years since. I was employed in 1965 by a Norwegian company that had operations world-wide and I was sent to Japan in July 1965. At that time Japan was regarded as the Mecca of parts and not expensive radio gear and it did not take me long to meet local radio amateurs, joining a local radio amateur club and trying to obtain an operator license.

That was very difficult at that time and I was advised the only way would be to take a license test which was only administered in written Japanese. Well, this was a real challenge, but friends in the club were very helpful and I studied both the language and the theory in Japanese. After about 7 months they thought I would have a chance to pass the test and I applied for a seat at the first license examination. Lo and behold - I passed and the 13 wpm CW test afterwards created no problems. After about 2 weeks I got my operating license and had to operate from either a club station or at a fully licensed local radio amateur. My friends said this was no problem ! We just started a radio club with my home address, applied for a call sign and was issued JA5YHY. (The Y indicates a club station call) I put up a 15m beam had lots of fun running about 100 w on 15m CW.

In 1973 I was transferred by my company to the Los Angeles area here in California and got settled in Long Beach. I bought a small house with a yard and figured now I had a chance to get a tower and a triband beam. I applied for an operating license and since there was reciprocity between Norway and the US, FCC granted me W6/LA1IF. This went well for a couple of years, but one day I received a letter from FCC encouraging me to take the license examination and apply for a US call. I still maintained my Norwegian Citizenship since I did not know if I would be transferred again to another country. I did take the license test in 1975, Novice, General and Advanced - all at the same time - and received my existing call: N6BNP

In 1978 we moved here to Palos Verdes, installed my radio gear and applied for a tower permit in 1982. At that time the City of RPV was very accommodating and I did not encounter any big problems. Fortunately, my friendly neighbors were also quite accommodating. In 1987 I passed the Extra Class test and decided I would keep my N6BNP call. I joined the PVARC early in the 1980s, but I can't remember which year.

I traveled quite a bit for my company, both here in the US and also overseas and that made it very difficult to obtain a US Citizenship if I so desired. One has to stay permanent for a minimum of two years in the US before one can apply for the Citizenship, so I had to maintain my "Green Card".

Then in 1995 I was "lent out" to my company's start-up operation in China. I left for Shanghai in October that year and spent totally 6 and 1/2 years, working in China, traveling back and forth across the Pacific, to the company's headquarters in Norway and so on until I retired in June, 2001. I applied for an operating license in China too and there was really no problem getting one. The authorities were quite helpful, but again I had to operate from a radio club. Unfortunately I was so busy with my company's activities I never got a chance to find a local club or radio amateurs. Besides, there was a very difficult language barrier. So, no amateur radio activity on the air from Shanghai for me.

We decided to remain in California, could not leave Palos Verdes, and I applied for and finally was Naturalized as a US Citizen July 2005. Retirement has been quite good and I have had ample time to enjoy ham radio, both building some gadgets and keeping contact over the air with old and new friends in different countries

73, Knut, N6BNP

IOTA NA-066 Here We Come

Mel Hughes, K6SY

Hide the snow boards, put away the skis, poles and boots. Forget about the 6 hour drives to Mammoth, putting on the snow chains, and hour long lift lines. Say good-by to $82.00 daily lift tickets and $250.00 a night rooms.

Relief is in sight! In fact it is just 19 miles across the sea. Santa Catalina Island is the place, not just for me, but for the Palos Verdes Amateur Radio Club.

Mark your calendars NOW!!! Come April 1, 2009, my favorite day of the year, we are going to Two Harbors, Santa Catalina Island, also known as North America 066 in the IOTA (Islands on the Air) program, for 4 wonderful days of ***snow free Ham Radio FUN***.

We will be leaving from the *Catalina Express,* San Pedro Terminal, (Under the mainland end of the Vincent Thomas bridge) Wednesday, April 1st at 12:30 p.m. and returning on Sunday, April 5th at 2:00 p.m.

That will provide us with plenty of time to set up and take down the antennas and other equipment while providing 3 full days of glorious HF operations filled with plenty of pile-ups and DX. And the best part is ***NO PREVIOUS HF OR DX OPERATION OR EXPERIENCE IS REQUIRED!!!*** All you need is at least a Tech Class License and a desire to have some fun and experience HAM radio at its best!

You say the exterminator is coming on April 1st and you can't come on Wednesday?. Not to worry, another boat is coming over on Friday, April 3rd at 5:00 p.m. That should be just perfect for Club members that insist upon working for a living and won't take time off to enjoy life. And there is another boat on Saturday, April 4th, sailing at 8:50 a.m.

IOTA NA-066 Here We Come

And if you can't stay until Sunday because Skip, KJ6Y, is coming to install your new 75 foot tower on Saturday, NO PROBLEM! There are return trips from Two Harbors to San Pedro on Friday (6:30 p.m.) and Saturday (11:00 a.m.).

The cost? A lot less than a single day of skiing at Mammoth or even Big Bear. Round trip boat fare is $60.00 for those 55 and older, and for you youngsters under 55, the fare is $65.00. Beds are $27.50 per night. I am not an expert at motel/hotel rates but I am told by those who are, that this is very inexpensive, even compared to Rancho Palos Verdes' *Tasman Sea* with their special features and hourly rates. You can bring your own sleeping bag or use the Island Company's linen package for $13.00 for the 4 days.

We have reserved the whole "B" Cabin site that includes 7 rooms located about a central patio. Two of the rooms will be used as operating sites. The 5 remaining rooms each have twin bunk beds, heater, & refrigerator. Across from the cabin site is the large kitchen area with sinks, ovens, stoves, and nearly endless counter space. Located adjacent to the cabin site are the men's and the women's restrooms and showers (hot fresh water and free).

You can bring your own food and beverages or you can purchase them there. There is a small grocery store as well as a coffee shop, bar, and restaurant.

Bill Harper (WA6ESC) and Mel Hughes (K6SY) will be providing user friendly FT-897 radios and several antennas. Bring a hand-held radio if you wish. The island location is line-of-sight to the K6PV repeater.

The first Planning Meeting will be at 12:00 Noon, February 14, Valentines Day, at the home of Mel (K6SY) & Doris (K6KSY) Hughes. The address is 28017 San Nicolas Drive, RPV. Lunch will be served. How can you beat that? **Just show up, have lunch, and learn all the details about the great experience you will have at the PVARC April IOTA event.** More information will be available at the January Club meeting or if you can't wait, call Mel Hughes (K6SY) at (310) 644-0251, ex 102 (Office) or at home (310) 541-6393.

Life can't get much better than this!

Are we Having Fun Yet?

It Is That Time of Year Again!
PVARC Dues for 2009

Last year was a very good year for the Palos Verdes Amateur Radio Club.

There were many activities and events that took place such as Field Day, PV-Marathon, Light House and picnic, Catalina Island IOTA, Antenna of the month, Christmas Dinner, and others. You do not want to be left out of this year events. There are great plans ahead and super events for this year, 2009. So stay connected, and renew your dues now! It's a bargain and the dues are the same as last year, no increases. Don't you wish all your bills were the same as last year? Please remit early. It's easy and almost painless with the new renewal form found on the last page of the QRO.

Thank you,
Bill Harper, WA6ESC
PVARC treasurer

Need a Club Badge?
Contact
Karen Freeman, KG6BNN
310-541-6971

Need a Club Patch? or a Club **Jacket?** You can get either or both from Dave Scholler, KG6BPH 310-373-8166

Board of Directors

President	Ginger Clark, KG6TAU
Vice President	Denzel Dyer, KG6QWJ
Treasurer	Bill Harper, WA6ESC
Secretary	Bill Leighton, KG6WVF
Past President	Joe Locascio,K5KT
Director (1):	Mel Hughes, K6SY
Director (2)	(Open)

Appointed Offices

QRO Editor	Ginger Clark, KG6TAU
Asst to Editor	Paige Omoto,KI6MAH
Web Page Editor	John Freeman, WW6WW
Club Librarian	Bryant Winchell, W2RGG
VE Coordinator	Dave Scholler,KG6ZVD
VE Liason	Jeff Wolf, K6JW /Alan Soderberg W8CU
LAACARC Rep	Joe Locascio, K5KT

Contacts

QRO Editor	310-378-7894
WebMaster	310-541-6971

Congratulations

To our own **Helen Dyer**, now KI6VSB, for earning her Technician-class license! She and 19 others, grads from Walt Ordway's class, took the test on January 31.

The VE team running the show was headed by Jeff Wolf, K6JW, and consisted of Bill Leighton, KG6WVF, Joe Locascio, K5KT, Ray Day, N6HE, Curtis Jones, Jr, AE6CJ, and Diana Feinberg, AI6DF.

Of the 20 students who took the test, all but one passed and that one missed by only one question, so we hope he'll be back for another go-round.

We're hoping to see some of the new Techs at our February meeting.

REMOTE OPERATION OF AN AMATEUR RADIO STATION

Jeff, K6JW

Part I: Setup Needs for Computerized Radio Control

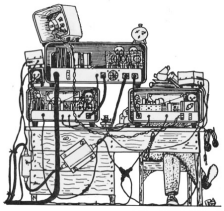
This is the first of two articles on the subject of remote access to, and operation of, an amateur radio station. The second part will run in next month's QRO and then, at a subsequent PVARC meeting, I'll do a presentation to the Club with more specific information and, if the Hesse Park Wi-Fi network is up and running, a live demonstration.

Now, to get us started, here's a scenario:

You have a nice station at home, but you like to travel. So, you lug a radio, power supply, antenna, microphone and paddle with you wherever you go. But most of the time, unless you've really planned ahead, you find yourself in settings where you can't really use your equipment to advantage. What a drag!

Here's another scenario:

You can't put up an antenna in your condo, but you've got a really good friend with a well equipped station that has a tower and directional antennas for 6 through 40 meters, and dipoles for 80 and 160. Your buddy says you can operate his station whenever he's not using it, but he lives an hour away from you. How inconvenient!



And another:

You're sick in bed, or even in the hospital, and can't get to your rig. You'd love to operate but it just doesn't seem possible. Bummer!

Suppose, though, that in any of these situations you've got your laptop handy, and you have internet access. What if you could use that laptop to operate the desired station from wherever you happen to be? Well, you can!

Of course, you may be thinking, "That's easy for you to say. I'm not rich and I don't just happen to own a spare $2800 Ten-Tec Omni-VII with built-in Ethernet control capability or a Flex SDR that's ideal for remote operation." Well, I'm here to tell you that none of that matters, and what I'm going to do is show you how you can set up remote access with just about any solid state, 12 volt, 100 watt HF radio that can be interfaced to a personal computer, including radios by Kenwood, ICOM, Yaesu, Ten-Tec, and Elecraft.

You may already have just about everything you need to "go live" but, even if not, it's not hard to acquire the necessary components and it won't cost an arm and a leg, either. So, how much? Well, assuming that you already own the radio, station computer and laptop, you should be able to do the rest of the job for between about $125 and $300, depending upon how elaborate you want to make the setup. Not too bad, really.

Before getting into specifics, I need to add a disclaimer. What I'm presenting is not the only way to set up remote access. There are others that may work just as well, such as one I'm aware of that is specific for the Kenwood TS-480 and TS-2000 radios. So, do not assume that setup must be as I will be describing it. You might find a better way and, if you do, please share it with the rest of us!

Okay, so let's get to it by beginning with the basic necessities. To keep it simple, we'll assume that you'll be using your home station, and that your shack includes a basic solid state transceiver capable of at least limited computer control. We'll also assume you're using a multi-band dipole antenna. (Incorporating a rotatable directional antenna such as a Yagi or even a SteppIR Yagi makes things only a bit more complicated.) Of course, you'll also need a computer that has a high speed internet connection. To operate the

radio via computer, you'll also need to be running a rig control program, the most popular one being TRX-Manager, available for $79 from Personal Database Applications (www.hosenose.com). TRX-Manager has the additional advantage of being able to interface with PDA's comprehensive logging program, LOGic8, so if you want to do computer logging with all the trimmings, you might want to consider acquiring both programs. (FYI, I have no financial connection to PDA.) Alternatively, Ham Radio Deluxe is a free and downloadable, modular software suite with extensive logging and rig control capabilities, but less personal support.

The first step in the process is to set up the interface between your computer's radio control program and your transceiver. This is fairly simple to do (instructions are provided with your software) and I won't bog down the discussion here with details other than to say that it involves establishing a serial RS-232 connection between computer and radio. Since many newer computers don't have serial ports but most radios still do, the best solution if you face this incompatibility is to attach a serial cable to the transceiver and plug it into an inexpensive serial-to-USB converter (available at Best Buy and similar stores or online from several suppliers) which, in turn, plugs into a USB port on your computer. Your logging or control software instructions will tell you how to proceed from there. Be aware, however, that not all computer-capable radios offer the same degree of operability by computer, so you need to be aware of what you can control and what you can't. Also, the degree of radio control offered with most logging programs that I've seen is limited, which is why I recommend using TRX-Manager. Of course, using both a logging program and a control program gives you the best of both worlds since you'll be able to log as well as operate remotely.

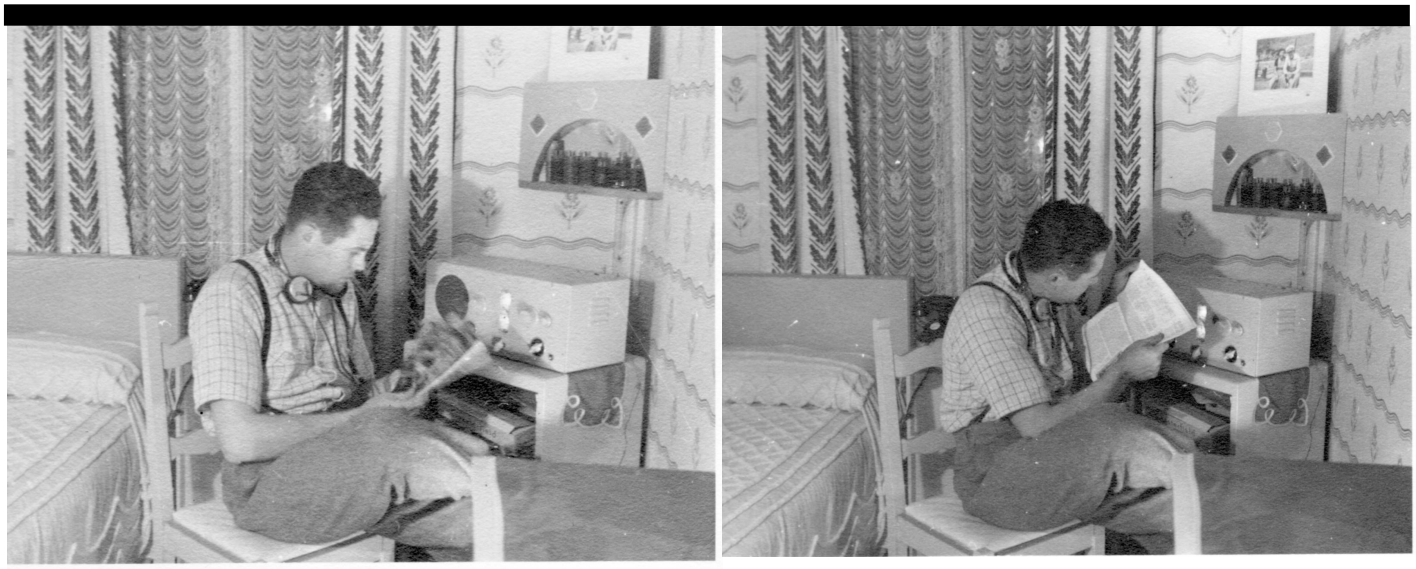
You'll need some other software on your computer, too. In order to access your computer from a remote location, you'll need to use a remote gateway such as Logmein.com. You can use the free account option on the logmein.com site, downloading the resident software from www.logmein.com. In order to receive and send audio, you'll also need to use another free service, such as Skype. Download their software and open a free account at www.skype.com. If you've been doing PSK31 or RTTY, you already have an audio connection from the radio to your computer but, if not, you'll need to set one up. You can go directly between radio and computer without any interface, but the greatest operating flexibility will be obtained by using one of the excellent interfaces on the market. I use a RIGblaster, but there are less expensive ones out there that are simple to set up. If you're going to be doing SSB, you will want to connect the audio output of your computer's sound card to the mic or accessory audio input of the transceiver. (Note that I was not able to get this to work properly by passing it through my Rigblaster, and had to go direct. In order to keep my computer speakers functional when desired, I made them switch selectable. If you're going to use a Rigblaster, you may want to see how I've made it all work!)

So, let's review the home station. It consists of a computer interfaced to your transceiver for two way audio and rig control. The computer also has software on it for remote control of the radio and audio via the internet. Now, then, what about the remote laptop?

The laptop requirements are simple. You'll need the downloadable programs from the remote gateway (e.g., Logmein.com) and from the audio carrier (e.g., Skype). You'll also need a USB boom mic headset, available from just about any electronics or office supply store for around $35-50 for

a decent one. If you want to do CW, you can generate it from the keyboard, but you'll need an additional interface from the home computer to the radio. That might cost you another $30. A good one is available from PDA.

That's it for Part I. You now know enough to get started on your setup. In Part II, we'll discuss AC power control and show you how remote access actually works in practice.



Emmett Ingram, W6BGN--SK

Emmett has been a long time member of PVARC. He hasn't been to meetings for awhile because his wife wouldn't let him drive in the dark. He took sheer joy in discovering and figuring out new electronic gadgets and then he'd demonstrate his new find to the rest of the Club with an understated glee! He had some great conversations going with his fellow members. For one, he convinced Homer, K6HKT, that there was no such thing as direct current because what you think is direct current eventually stops and that makes it alternating current. And he was always taking pictures--the precision of his digital camera was his latest delight.

Jeff, K6JW, tells this story about him:

Emmett was quite a guy -- a bit of a character, quite brilliant, and always eager to share what he knew about, and the fun he was was having with, radio and electronics.

I remember that, quite a few years ago, he bought a transceiver from me, took it home, stuck a wire coathanger or similar sized piece of wire in the center conductor slot of the antenna output connecter, and then put the radio on the air.

A few minutes later, he called me on the phone to say he'd worked Japan on a coathanger. I was horrified, and told him not to do that again -- he'd blow the final transistors.

He just laughed. "Nah," he said. "This is a great radio."

His death is a real loss to the Club.

Palos Verdes Marathon

Denzel Dyer, KG6QWJ

The date for the Marathon has been moved earlier, to Saturday, 2 May. If you have worked the Marathon before, everything else seems to be the same (including the choke point through the slide area). We will probably have the same radio system as last year.

If you are new and interested, more detail:

The race begins at Point Fermin Park, San Pedro, at 7 AM. The route is along Paseo del Mar to Western, up Western to 25th Street, along 25th to where it becomes Palos Verdes Drive South, around the corner to Palos Verdes Drive West, and into Palos Verdes Estates, where runners turn and return by the same route.

We will have an operator with the race director, one at the start/finish, and operators at each of the aid stations along the route where the runners get beverages.

We have operators with two vans that carry supplies (especially more water) and personnel to or from the aid stations. Two others drive the course as 'rovers' checking for trouble, especially between aid stations. The race director likes to have someone at the turn-around point to check runner numbers, just to make sure that the early finishers really did go all the way. There is also a half-marathon turn.

Most operators will need to be on station somewhat before 7 AM, and remain until the station closes after the last runner has passed. Commonly the last few runners are very late, and stations have been known to close before they passed. Quitting time might be around noon for the farthest-out stations, and as late as 3:30 for last one before the finish line. Net control is nominally at the RPV radio station (K6PV), but will probably go mobile toward the end of the race

Another "Great Race" A Potenial Club Project

The following is a note that Mel Hughes, K6SY, received a few weeks ago:

To Whom It May Concern:

I work for a company that organizes large-scale running relay races across the country.

We have a race in South California that starts in Santa Barbara and ends in Dana Point on the 24-25 April 2009.

We would love to have the added advantage of having a radio club help with communications at our event. We would ideally like to have operators at some of our main exchange areas along the course. Let me know if your club would be interested in helping us operate communications for this event.

Take Care,

Christopher Thresher

Race Director

Ragnar Events LLC

Since our repeater covers the race area from beginning to end, Mel Hughes was thiinking that this would be a great event for the Club to pick up and (ahem) run with.

Two Amateur Radio Courses

FCC "Technician" course (entrée level)
FCC "General" course (2nd level)

Each course is 2 sessions

The 2 sessions are on Mar 28 & Apr 4

Technician 10:00 AM to 2:00 PM both Saturdays

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

The ARRL tests on Apr 11 from 10 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 $15 -

Optional Material

- Gordon West book with FCC test questions, $20 for Technician and $23 for General -
- Copy of my Power Point charts, $15 -

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 walt.ordway@yahoo.com

Lotsa Good Stuff

First:

Roger Peterson, W0RGO, recently became an SK. His family would like to sell as many of the items in Rogers shack as they can. Here is a list.

ICOM IC-746 PRO – An HF and VHF transceiver with the ac power supply
MFJ-392B – A headset
MFJ-931 – An artificial ground
MFJ-1048 – An HF passive pre-selector
Realistic PRO-2021 Programmable Scanner – Scans AM/FM from 30 MHz to 512 MHz
Vertex HT VX-150 – A 2M FM handheld transceiver
Ham Key 201, double keyer
ICOM IC SM-6 Microphone

If you want to make an offer on any item, contact Walt Ordway, K1DFO. He will be the interface with Roger's family. Contact Walt at his e-mail walt.ordway@yahoo.com
Walt has looked at the equipment and says it is all in very good condition.

Second:

Norm Witt, WI6TT, is selling a garage-full of items for his SK friend. Here are some of them. If interested, contact him at normwitt@msn.com; or 310-375-3604

Daiwa automatic antenna tuner
Yaesu 2500R 2-meter mobile/base radio
Heathkit HWH hf crystal tranceiver
Several Astron power supplies
ICO VTM 232 voltmeter
Heathkit DTV voltmeter
Antenna rotator
Several Battery chargers
Speakers and headphones
Miscellaneous electrical and ham items
HF low band filter
CW keyer
Coaxial cable
Ladder lead-in wire
more (still digging through the garage).

And Finally:

TH22-A Kenwood 2 meter Handheld (new battery 2 years ago) with KSC8A Charger. Offers
Chuck De Berard KG6HPQ
(310) 378-7982

WANTED TO BUY:

An AEA WM-30 Cross-needle wattmeter. As you search through your treasures, look for something about 5" wide, 3" high, and 5" deep. Grey thing, meter and 3 push buttons on front panel. Call Ray N6HE at 310-541-7557.

K6PV
Palos Verdes Amateur Radio Club
P.O. Box 2316
Palos Verdes Peninsula, CA 90274
www.palosverdes.com/pvarc

New Membership Application and Member Renewal Form

New: _____ or Renewal: _____ Membership Date: _____

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

(Applying) New Member Information: or Member Renewal: same as Last Year? YES___NO___

Last Name: _____ First Name: _____Spouse: _____

Street Address: _____

City: _____ Zip: _____

Phone: Home _____ Work _____Cell_____

Email address: _____
(Unless otherwise noted emails will be sent to the applying member only)

License Call: _____ License Class: _____ARRL Member (?)____Birth Date: _____
(Only: Month - Day)

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

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

Name_____ Call _____ Class_____ ARRL____ Birth Date: _____
(Only: Month - Day)

Name_____ Call _____ Class_____ ARRL____ Birth Date: _____
(Only: Month - Day)

Name_____ Call _____ Class_____ ARRL____ Birth Date: _____
(Only: Month - Day)

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

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

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