



QRO

THE MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

MAY 2012

Overcoming Murphy's Laws: How the T32C DXpedition To Christmas Island Succeeded When Things Went Wrong

Our May 16 meeting is a double-featured evening.

Our main program will be a fascinating DVD of last fall's record-setting T32C DXpedition to Christmas Island in the mid-Pacific Ocean. The T32C team was the first-ever DXpedition to exceed 200,000 contacts (they had 213,169 QSOs)—despite some tremendous setbacks along the way.

If you saw the presentation of our club's recent IOTA DXpedition to Two Harbors on Catalina Island you will appreciate seeing what the T32C DXpedition achieved.



Imagine this: Six tons of DXpedition gear shipped in February never arrived in-time by late September.
PHOTO: T32C WEBSITE

But that's not all...We will be auctioning a vintage Kenwood TS-520S HF transceiver package with no minimum starting price. Besides the radio, this package includes a matching external antenna tuner, matching speaker, and digital frequency readout. *See page 7 for details.* ■



This vintage Kenwood TS-520S with matching accessories could be yours at our May 16 meeting.

PVARC MONTHLY MEETING "The T32C DXpedition"

When: 7:30 pm, Wednesday,
May 16, 2012

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

Radios From Our Earlier Lives: Where's the Inspiration?

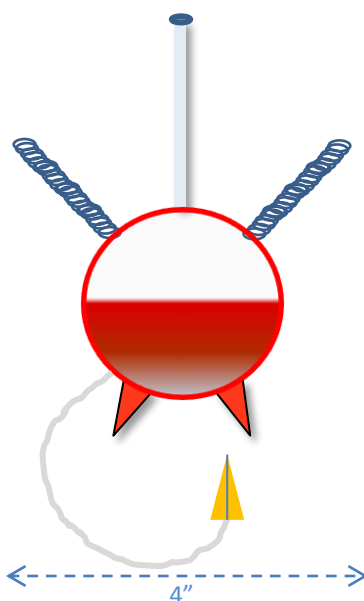
By Diana Feinberg, AI6DF
PVARC President

For all the talk of amateur radio needing to get more youth involved in our hobby, the "toy" radios of today are unlikely to provide much inspiration.

Toy radios have sure changed since I was a child. Back then, a toy radio was an object of fascination--if not downright educational.

Today's toy radios are mostly franchised faces of "Big Bird", "Elmo", and other marketable cartoonish characters. The radio itself has sadly become incidental to the happy face on its case.

Or as late-night comedians might joke: "What's the difference between toy radios of the 1950's and the toy radios of today? About \$27.99 and a Happy Meal."



Drawing of my first radio,
circa 1958

I was forever inspired by a bizarre-looking toy radio my grandmother gave me in 1958. It probably cost under \$2.00 then and looked like a freakish space satellite, but required no battery and minimal circuitry. I've drawn what it looked like.

This plastic radio used a crystal diode detector with a tuning rod and five-foot wire with an alligator clip as the ground. How simple is that?

And it raised the more complex question: Why did it work? I was truly fascinated, even though my radio only picked up two AM stations, KFI and KNX.

Perhaps the hope for future early inspiration in our hobby lies with radio-controlled toys. Although most RC toys have a "face" or "action-hero" persona, maybe a few young people will wonder how these devices actually do their thing. One can only hope. ■



Today's Toy Radios—Will They Inspire?



Photos: Some toy radios currently for sale on eBay®. All names and designs are registered trademarks of their respective owners, from left: Nickelodeon SpongeBob SquarePants®, Hello Kitty®, Clifford the Big Red Dog®, and Big Bird®.

The T32C DXpedition

By Clay Davis, AB9A
PVARC Vice President

In our March program Ray Day, N6HE shared the experience of PVARC's annual mini-DXpedition, activating K6PV Portable 6 on Santa Catalina Island. He did a terrific job of laying out the behind the scene details of just what it takes to plan and execute this kind of an undertaking. And, how rewarding it can be for those who are lucky enough to participate.

Like most experiences in life, once you have actually attempted something yourself, you gain a real appreciation for the knowledge, skill and effort that is involved, for someone to really excel at it. That's exactly how I felt, when I attended the International DX Convention (IDXC) in Visalia last month, and watched Neville Cheadle, G3NUG give a riveting presentation on the activation of T32C, the Pacific Ocean atoll of Kirimati, by the 5 Star DXers Association (<http://www.t32c.com>). Kirimati, also known as Christmas Island, is in the northern Line Islands and is part of the Republic of Kiribati.

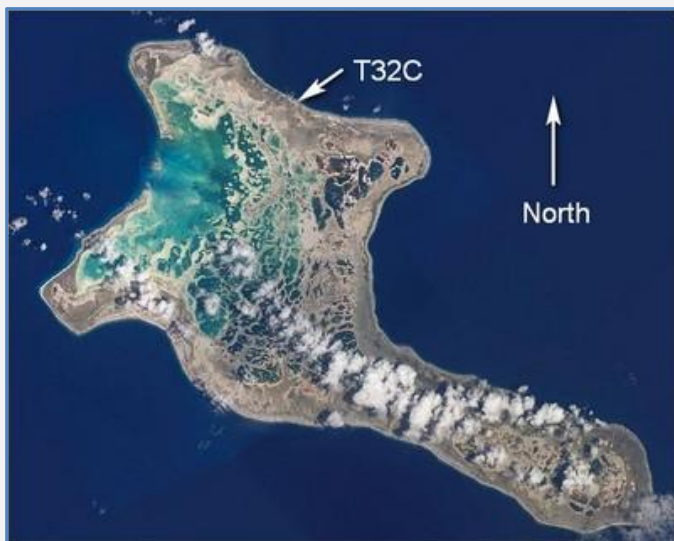
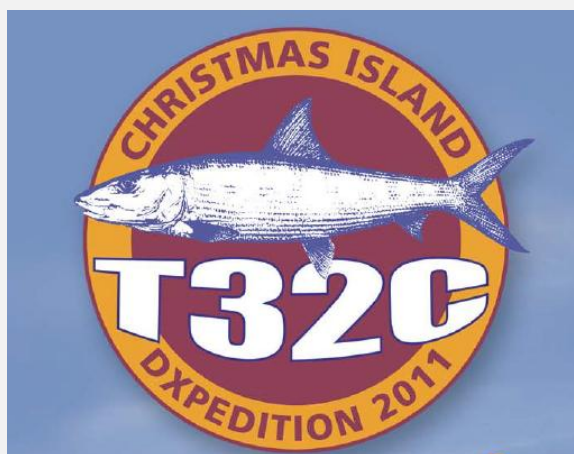
The story of T32C is one of planning, perseverance and overcoming monumental challenges, at the last minute, to pull off one of the most successful DXpeditions on record. They logged 213,169 QSOs. For 4 weeks, from late September through late October 2011, T32C operated 10 stations 24/7 on 10 bands, including 6m EME.

As impressive as all the above is, the thing that impressed me most was a paragraph in the official brochure:

"We have multiple objectives but the principal ones are to offer DXers worldwide the chance to make at least one contact with this remote DXCC entity, however modest their station, while at the same time allowing more serious DXers the opportunity to complete new band-slots."

To me, these guys exemplify the real spirit of ham radio. Really capable hams going to extraordinary lengths to help their fellow amateurs do amazing things with whatever kit they have at hand. And, like most of us new to HF, modest is a rather polite and fair description of my shack. So, I was very excited when I was able to work them on 10-meters my first try.

The 5 Star DXers Association is a group that really lives up to their name. I hope you can join us on May 16 to watch the video of the story of T32C. And in the meantime, visit their web page at <http://www.fsdxa.com/> and see some of the other amazing DXpeditions they have made. ■



Have Ham Radio Questions or Discussion? PVARC's Yahoo Groups May Have the Answers

By Daniel Yang, K6DPY
PVARC Secretary

Our hobby is so vast it sometimes feels like an “ecosystem”--there’s something for everyone. For example, one can spend a whole lifetime enjoying the VHF/UHF bands without having to know anything about the HF bands. Likewise one can “play” only with analog communications equipment without having to know anything about digital equipment. There are of course many more areas of interest in our hobby. How can club members with interest in some of these areas communicate easily with and learn from other members with similar interests? How can our new-amateur members tap into the knowledge base of our more experienced members? These questions are constantly on the minds of our board members.

Some club members may know the club has its own Yahoo Group that was set up in 2010. Usage of the Group, for a number of reasons, has been dormant for a while. The board has decided to make another run at using this tool to improve communications among club members. This time we’re going to narrow the usage of this Yahoo tool to that of mailing lists (each Group a collection of email addresses). There will be multiple Yahoo Groups (Yahoo presently cannot accommodate subgroups within one Group). Each Group, or single mailing list for questions and discussions, will cover only one subject area of interest for the club. By joining a Group, our club members will be able to easily email other club members with interest in the subject area covered by the Group. Each Group will be moderated by someone experienced in the subject area. We are going to start with a few broad interest groups. **It is up to each member of the club to join any Group(s) of interest to him or her.**

Some of you might say “Hams want to communicate using their radios, not with email.” Well, it depends on how one looks at the array of Internet tools available to us today. I don’t see it as a competition, an either or. I see these Internet tools as complementary – simply just tools to help us communicate better with each other in the enjoyment of our hobby.

So with that said, here are the initial Yahoo Groups we have set up:

<u>Interest Group Subject</u>	<u>Includes</u>	<u>Moderator</u>
PVARC-Events	All PVARC events	Diana Feinberg, AI6DF
PVARC-AskElmer	Technical Support	Ray Day, N6HE
PVARC-Antennas	Select, design, make, install	Bill Harper, WA6ESC
PVARC-HF+DX (A + D)*	Equipment, operating	(Un-moderated)
PVARC-Above 50 MHz (A + D)*	Equipment, operating	Daniel Yang, K6DPY

*Analog and Digital, including SDR

Here are the Internet addresses (URL) of each Yahoo Group we have set up:

<http://groups.yahoo.com/group/PVARC-Events>
<http://groups.yahoo.com/group/PVARC-AskElmer>
<http://groups.yahoo.com/group/PVARC-Antennas>
<http://groups.yahoo.com/group/PVARC-HFandDX>
<http://groups.yahoo.com/group/PVARC-Above50MHz>

More on Joining PVARC's Yahoo Discussion Groups...

► *Continued from previous page*

How to join an interest group**

In your Internet browser, go to the URL of the interest group you want to join. If you are a PVARC member and already have a Yahoo ID, just click "Join This Group" on the right side of the Home page of any group. Fill in the form that follows, and then click "Join" at the bottom of the form. That is all.

If you do not have a Yahoo ID, you will be asked to create a Yahoo account by filling in another form prior to the form for joining. I recommend trying your call sign as your new Yahoo ID to keep things simple (K6DPY@yahoo.com).

Join as many of the above interest groups as you wish. You can join them all if you want to see all of the discussions.

** The previous "PV_Amateur_Radio_Club" Yahoo Group has been converted to the "PVARC-Events" Yahoo Group. Those who joined the previous Yahoo Group have been automatically signed up for the "PVARC-Events" Yahoo Group. Only paid-up PVARC members can join.

How to use after you've joined

These interest groups are for questions and discussions concerning the subject area of each group. Please give group members, including the moderator, 24 hours to respond to any questions. The more members there are in a group, the faster should be the response time. Address your question or discussion to the email addresses below (or post a question on the Home page at the URL):

PVARC-Events@yahoogroups.com

PVARC-AskElmer@yahoogroups.com

PVARC-Antennas@yahoogroups.com

PVARC-HFandDX@yahoogroups.com

PVARC-Above50MHz@yahoogroups.com ■

PVARC-Events Se

Home

Post

Members Only

Messages

Photos

Members

Groups Labs (Beta)

Info

Settings

Group Information

Members: 29

Category: Amateur and Ham Radio

Founded: Jul 22, 2010

Language: English

Yahoo! Groups Tips

Did you know...

Hear how Yahoo! Groups has changed the lives of others.

[Take me there.](#)

✔ Try Yahoo! Groups Chat Beta! Now available on the left menu. [Read more...](#)

Home

Join This Group!

Activity within 7 days: 1 New Member - 1 New Message

Description

PVARC is the amateur radio club for the Palos Verdes Peninsula, South Bay, Los Angeles. The club's call sign is K6PV. For information about the club, please go to: <http://www.palosverdes.com/pvarc/index.htm>

This Yahoo!Group is a discussion forum for PVARC members. Other PVARC discussion groups are:


Interest Group subject (Includes)

- PVARC-Events (All PVARC events)
- PVARC-AskElmer (Technical support)
- PVARC-Antennas (Select, design, make, install)
- PVARC-HFandDX (Equipment, operating (A+D*))
- PVARC-Above50MHz (Equipment, operating (A+D*))

* Analog and Digital, including SDR

How to Join This Group:

You need to be a PVARC member to join this group, as this group is a discussion forum for PVARC members. In addition, you need to



Upgraded Aero Radars May Zap 1.2 GHz Ham Repeaters

By Diana Feinberg, AI6DF

“Radar” is surely the electronic world’s ultimate boomerang: transmitted radar beams get reflected back to their origin points; the name forms a perfect palindrome (spelled the same forward and backward); and when radar conflicts with other radio services, radar always comes back to bite.

Radar’s bite to the 23-cm amateur radio band on the Palos Verdes Peninsula is sinking in after the Federal Aviation Administration recently upgraded its air traffic and surveillance radar atop San Pedro Hill. At least one 1.2 GHz amateur repeater on the Peninsula has received a Federal Communication Commission letter demanding amateur repeaters (none mentioned by name) stop interfering with the FAA’s San Pedro Hill radar, with severe penalties if “interference” continues.

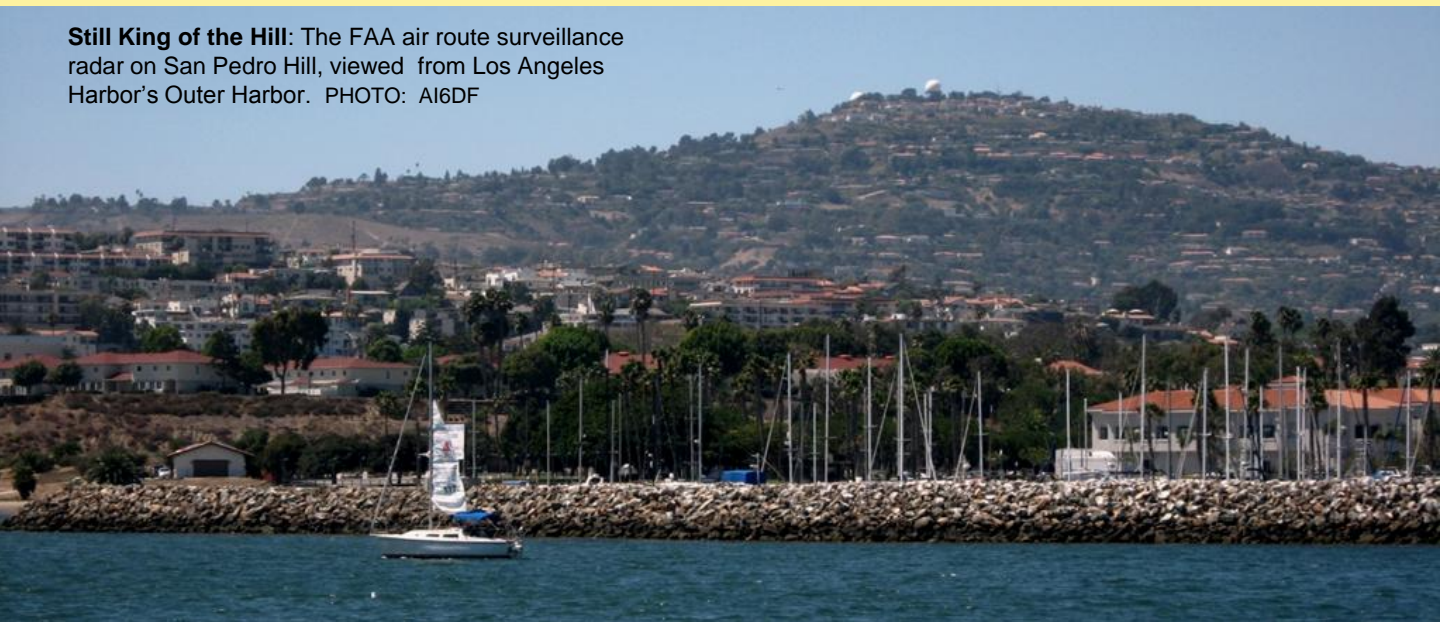
The 23-cm amateur band repeater coordinator for Southern California (SCRRBA) had thought it accommodated FAA needs by relocating a number of 1.2 GHz repeater frequency pairs (including the repeater receiving the FCC letter) and has now asked the ARRL for further help. Ham radio was always a secondary user in the 1240-1300 MHz spectrum, with government radar and radiolocation services being the primary users.

The FAA has operated on San Pedro Hill for five decades with few interference problems from ham radio, so why are issues arising now? While there’s been no official explanation, a web search of public information would conclude this radar’s new digital receiver system (and its 3 MHz bandwidth) has far greater sensitivity than the unit it replaced. The new FAA radars reportedly operate between 1270-1290 MHz in our region.

The new San Pedro Hill radar has a 100% solid-state transmitter (replacing amplatron/klystron tube technology), a receiver utilizing advanced digital signal processing algorithms, and a signal data processor. This system reportedly will detect aircraft over a 200 nautical mile range, including smaller flying objects, using innovative digital signal processing to minimize “false alarms” and maximize object recognition.

This new-generation Common Air Route Surveillance Radar is built by Raytheon and replaces several versions of air route surveillance radars at 69 sites nationwide. Besides the electronics, all sites will get new antenna motor drive systems enabling a uniform 12-second rotation rate and antenna position controls using GPS time clocks. Stay tuned for further developments involving 1.2 GHz on the Palos Verdes Peninsula. ■

Still King of the Hill: The FAA air route surveillance radar on San Pedro Hill, viewed from Los Angeles Harbor’s Outer Harbor. PHOTO: AI6DF



This Vintage Kenwood Radio Could Be Yours!!!

By Jeff Wolf, K6JW

At the Club's May 16th meeting, we will be auctioning a vintage Kenwood TS-520S HF transceiver with accessory digital readout, matching speaker, and manual antenna tuner. Also to be auctioned will be a Swan WM-2000 wattmeter. This equipment has been generously donated by Joe Agronick, WD6DOS, with all proceeds from the auction to go to the PVARC.

The radio and all accessories will be on display for your inspection at the meeting prior to the auction.

This article will describe the equipment: what it is and, just as important for potential buyers to understand, **what it is not**. *Please read this carefully before you decide whether to bid.*

The Kenwood TS-520S

In the early 1970s, Kenwood released the first of a very successful line of hybrid transceivers. By hybrid I mean that the radios were mostly solid state but with tube driver and final stages.

The first of these radios were the TS-520 and a somewhat more upscale model, the TS-820. In 1977 or early 1978, a successor to the TS-520 hit the market, now badged as the TS-520S and with a retail price of \$650. This radio was a slightly cosmetically improved version of the original but with several circuit improvements and one feature, built-in DC power capability, eliminated as a stock capability.

The radio is not a current, state of the art piece of equipment. It is a vintage radio with what by today's standards would be considered only a basic set of functions. By way of elucidation, here is a brief FAQ:

- **Can the radio work split?** The basic radio has only one VFO. Kenwood made an accessory outboard VFO that enabled split operation. It is not included with the auctioned radio. *The radio will also accept up to four fixed frequency crystals (not*



Above: Kenwood TS-520S HF transceiver



Left: The DG-5 digital display

included) which can be used alone or in split function with the VFO. Please note that when we received the radio, the function switch that enables selection of the frequency control source had a short in its wiring causing it to malfunction. It has been repaired by re-establishing some minimal separation of the contacting areas, but if the problem recurs, it will require a small amount of rerouting and re-soldering of the involved connections. K6JW is willing to assist the buyer with this, if necessary.

- **Does the radio have a digital dial readout?** No, it does not. Kenwood made an accessory digital readout unit which will be included with the auctioned radio.
- **Is the radio "broadbanded"?** No. Current all solid state radios are pretty much "turn on and transmit." This radio has three tubes: a 12BY7A driver and a pair of 6146 final amplifier tubes. The radio requires setting drive level and tuning of the final stage for resonance for large frequency excursions within and between bands.
- **Can the radio be computer interfaced?** No.
- **What is the power rating of the radio?** 200 watts PEP input power for SSB; 160 watts input power for CW. Output power can be expected to be roughly half of the input power specifications. In other words, this a 90-100 watt radio in terms of output.
- **What about running from DC?** Kenwood made a converter to run the radio from DC, but it is not included with the radio we are auctioning. (This is different from the original Trio-Kenwood TS-520, which had both AC and DC capability built into it.)

Continued on next page ▶

More About Kenwood TS-520S For Auction At Our May 16th Meeting...

► *Continued from previous page*

- **Can the radio accept narrow filters?** The radio has provision for one optional filter. The auction radio has the optional 500 Hz CW filter installed.
- **Will the radio operate full QSK (break-in CW)?** No. It does have semi-QSK, however, with adjustable delay. It also has VOX.
- **What are the interference fighting capabilities of the radio?** They are limited. The radio does NOT have any DSP functions, lacks IF shift/width setting capability, audio peak filtering, *etc.*, *but it does have RIT (no XIT).*
- **What modes does it operate?** The radio will operate CW, LSB, and USB. It will not operate AM.
- **What bands does it cover?** 160 through 10 meter amateur bands, exclusive of WARC bands (*i.e., it does not operate on 12, 17, and 30 meters*). *It also covers 15 MHz WWV. It lacks a general coverage receiver. It does not cover the 60 meter band.*
- **What about VHF operation?** The radio has provision to accept external transverters.
- **What kind of microphone connector is required?** This radio uses Kenwood's older four pin mic connector.
- **What about performance and reliability?** The radio is approximately 35 years old. Radios of this vintage may experience deterioration of some components that may alter performance from factory specifications and/or require replacement. Some components may experience complete failure, such as dried out and/or shorted electrolytic capacitors. Catastrophic shorting of an electrolytic capacitor in the built-in power supply could cause downstream damage, including destruction of the final amplifier tubes. Please see the first bullet point above for a repair done to the radio by K6JW in preparation for the auction.

In summary, the TS-520S was an excellent radio *for its time and price class*. The radio should ONLY be bought by someone who fully understands what it is, what it is not, and what sort of maintenance and/or repairs it is likely to need over time. The buyer should also understand clearly that performance of the radio will not be equal to that set even by today's entry level commercial

transceivers (e.g., Yaesu FT-450D, ICOM IC-7000, etc.)

DG-5 Digital Display

The TS-520 and 520S had analog dials. Kenwood ultimately released an accessory digital display, which is included with this radio.

Kenwood AT-200 Antenna Tuner

This is a 200 watt manual antenna tuner styled to match the radio (*included, but not pictured.*)

Kenwood SP-520 Speaker (*also included, but not pictured*) This is a speaker in a matching enclosure.

The Swan WM-2000 Wattmeter and Nye Viking Low Pass Filter (*separate package*)

Wattmeter range covered: up to 2000 watts, forward and reflected power. The low pass filter is the familiar barrel-shaped low pass filter that has been used by so many hams over the years.

Auction Rules

The radio, digital display unit, antenna tuner, and speaker will be auctioned as a single lot. The wattmeter and low pass filter will be sold as a separate, single lot.

All equipment will be sold "as-is" with no warranty as to condition, performance, or reliability. The one known problem that has been addressed (see first bullet point, above) is the short in the function switch. As previously stated, an initial, basic repair has been done, but if the problem recurs, a more extensive repair will be required.

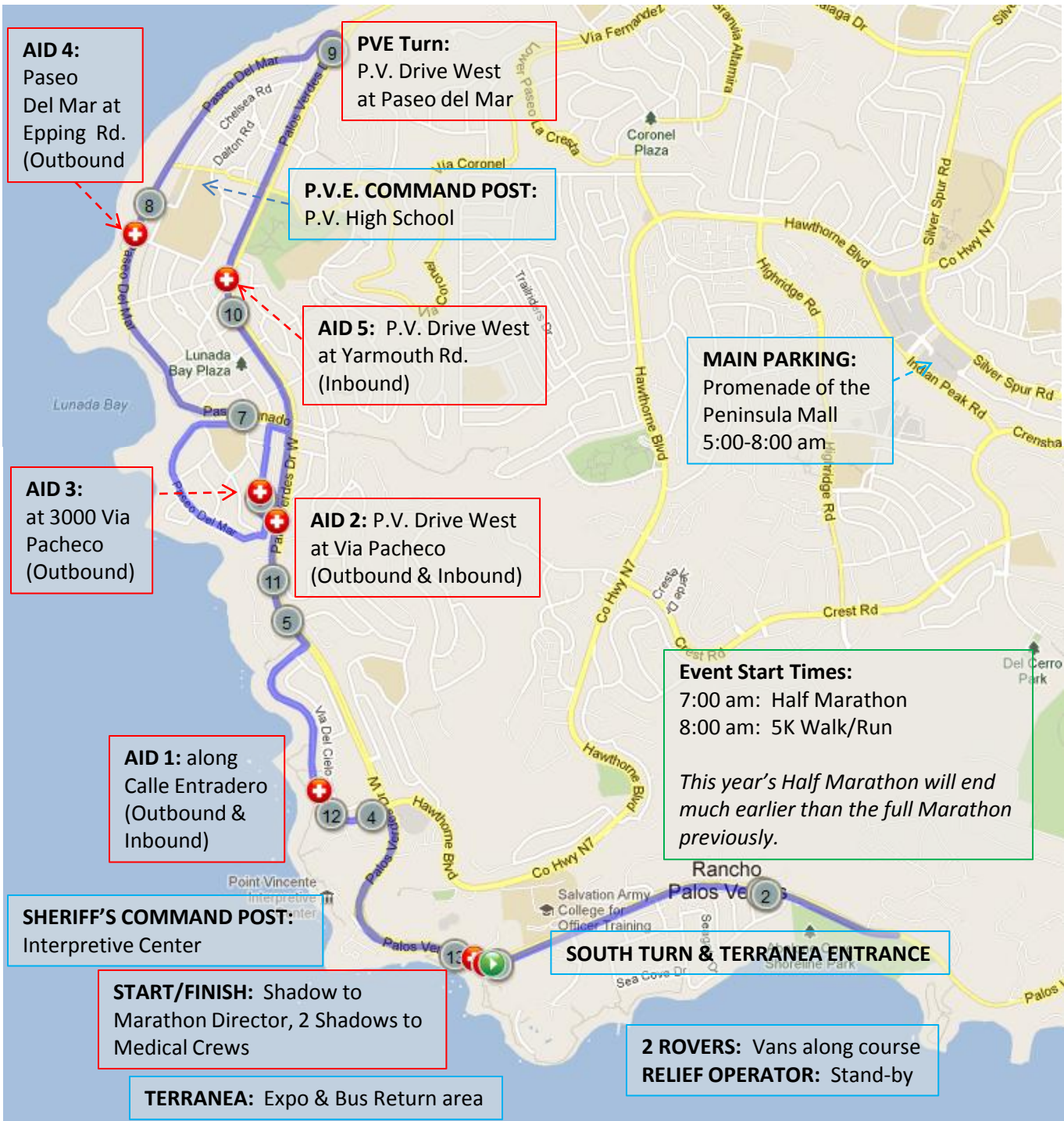
Because the equipment has been donated to the club for auction with no funds returning to the donor, there will be no minimum for starting bids. All sales will be final, so bidders should be serious in their intent to proceed with purchase. Payment will be accepted by cash or check from club members, and by cash only from non-members. ■

Palos Verdes Half & 5K



We are now staffed for the Palos Verdes Half Marathon on May 19th.

Thanks to all the PVARC members who have volunteered to be there.



PVARC Does Radio Communication at Habitat for Humanity's Palos Verdes Bike Tour

As part of our club's public service commitment, PVARC provided radio communication at Habitat for Humanity's inaugural "Palos Verdes Ride for Habitat" on April 21st. PVARC members filled all six operator positions asked of us at the Terranea Resort, in three roving vans, and two fixed SAG stops.

A 70cm/2-meter cross-band setup with two mobile radios and two antennas at net control covered much of the course, while operators in the field used HT radios.

At net control, a Kenwood TM-7A mobile radio with an Elk 2-meter/440 log periodic antenna used the Rolling Hills Radio Club K6RH repeater for most communication due to K6PV temporarily having reduced coverage. K6RH's signal came back into a Yaesu FT-8900 on a Diamond X-50 vertical antenna, cross-banded onto 144.910 MHz to cover points north of Terranea. All power at net control came from deep-cycle batteries, even though we eventually had access to generator power from McCormick Ambulance's mobile command post. ■



PVARC's Radio Communication Team at 2012 "Palos Verdes Ride for Habitat"

Bob Closson, W6HIP
 Denzel Dyer, KG6QWJ
 Diana Feinberg, AI6DF
 Jack Reeves, K6JWR
 Eric Siess, W6EWS
 Curtis Watanabe, KI6KUK

Above: Bicyclists prepare to head out near our net control point ; **Below:** Denzel Dyer, KG6QWJ, at our net control inside the McCormick Ambulance MCP; **Right:** Curtis Watanabe, KI6KUK, outside the Terranea Resort.
 PHOTOS: BOB CLOSSON, W6HIP



More Components Donated by Bob, W6ODI, Available At PVARC's May 16 Meeting

Our May 16 club meeting will have another table full of electronic components donated by Bob Lace, W6ODI. PVARC members are free to take any items for re-use in their own projects.

This month's table will contain various speakers, fans, and many additional parts bins.

We will auction at our June meeting a HeathKit RLC bridge and a Weller soldering station Bob donated to the club. ■

Two Upcoming HF Operating Events of Historical Interest

Two special events during the next few weeks merit attention due to their history.

First, the Golden Gate Bridge across San Francisco Bay's entrance is celebrating its 75th Anniversary on May 26-27. The San Francisco Amateur Radio Club in conjunction with the California Historical Society will operate special event station W6G from 2000Z May 26 to 2200Z May 27.

A special QSL card will be available for any contacts during the Golden Gate Bridge celebration plus a special certificate of commendation for contacts on five bands. Frequencies will be: 28.375 MHz; 24.975; 21.275; 18.125; 14.275; 7.175; and 3.750. QSL per the W6G listing on qrz.com.

Second, Museum Ships Weekend will be June 2nd and 3rd from amateur stations at vessel sites around the world.

Among the 90 ships already registered, locally the RMS Queen Mary in Long Beach and former Army tug Angel's Gate in San Pedro will be participating. For the full list and details, see: <http://www.nj2bb.org/museum/> ■

WELCOME NEW MEMBERS OF THE PALOS VERDES AMATEUR RADIO CLUB IN 2012

Robert Hanel, KJ6RAA

Gary Parsons, KJ6NIY

Steve Mandich, K6NT

Gina Mandich, KF6MYQ

Robert King, KI6EAI

Jack Reeves, K6JWR

Ken Carr, K6HRN

Dick McKay, K6VGP

Barbara Alexander, KJ6OVW

Brian Okamoto, KJ6RVX

David King, KI6EAJ

Warren King, KJ6TLG

Wayne Barnhart, N6QCU

Harlan Rector, N9XZL

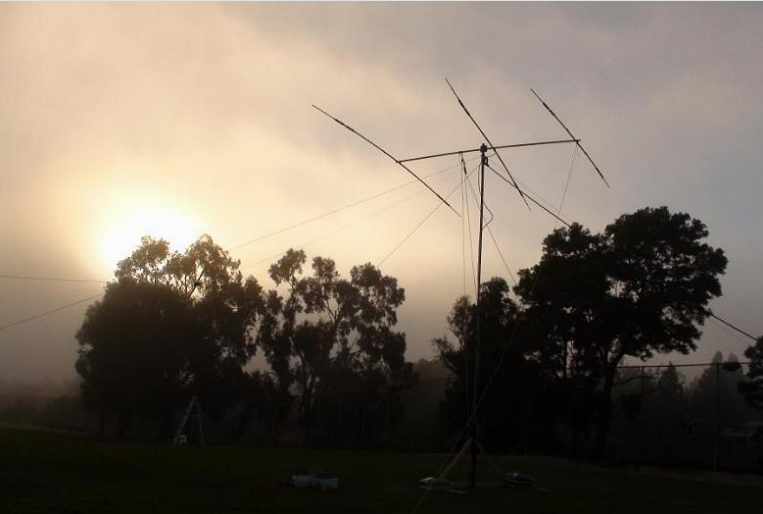
Brad Perranoski, KJ6UML

Leroy Radcliffe, KI6EAO

John Boccaccio, KJ6VVG

Amateur stations (as of May 5) signed-up for the June 2-3 Museum Ships Weekend include:

- 4 aircraft carriers
- 8 battleships (*but not the USS Iowa, yet*)
- 4 cruisers
- 6 destroyers
- 4 frigates
- 1 hospital ship
- 2 ice breakers
- 4 lightships
- 2 minesweepers
- 5 passenger ships
- 26 submarines



ARRL Field Day is June 23-24 at Ridgecrest School

The PVARC will operate its 2012 ARRL Field Day from Ridgecrest Intermediate School on Saturday-Sunday, June 23-24. We'll be operating around the clock on generator power and welcome participation from all.

The PVARC Board has taken several steps to make our Field Day site at Ridgecrest more accessible. For example, this year's SSB tent will be adjacent to a paved lane instead of across the soccer field.

Whether you can help install antennas, operate SSB or CW, handle logging, or just be there—there's an opportunity for everyone. We'll be competing again in the 2-A category which allows two stations, plus a bonus station on VHF/UHF.

Clay Davis, AB9A, and Peter Landon, KE6JPM, are coordinating our SSB station during this year's Field Day while Jeff Wolf, K6JW, and Rocco Lardiere, N6KN, will handle the CW tent.

We will also have a "Get On The Air" VHF/UHF station for QSOs on 6-meters, 2-meters, and 70cm.

Our club's antenna tower trailer is ready to go with new lift cables and winches installed during the past two years, as well as some rust removed.

Please contact the above members if you can operate, help, or loan equipment during this year's Field Day. ■

Photos from 2011 Field Day. Top: Late-afternoon fog behind the SSB antenna. PHOTO: MATT ORLICH, WA6AJC.

Middle: Sid Wielin, KF6QFH, and Mel Hughes, K6SY, assemble the VHF/UHF beam antenna. PHOTO: BOB CLOSSON, W6HIP.

Bottom: Paige Omoto, KI6MAH, and Peter Landon, KE6JPM, working 20-meter SSB. PHOTO: BOB CLOSSON, W6HIP.

Huge Attendance at Latest PVARC Ham License Class

Perhaps the largest turnout for a PVARC amateur radio license class occurred on April 28 at Hesse Park. That day's Technician license class taught by Walt Ordway, K1DFO, had 37 attendees in the Fireside Room with no additional seats possible. The second class session will be May 12 (just after this **QRO** issue appears) due to other events scheduled at the park on May 5.

Starting with the April 28th license class PVARC Board members are giving a brief overview presentation to attendees on what ham radio can do, along with encouragement to complete their classes and the exam process. ■



Partial view of the 37 attendees at PVARC's April 28 license class. PHOTO: DANIEL YANG, K6DPY

PVARC "Elmers" Wanted

There's a tremendous amount of ham radio knowledge and experience in our club. Would you be willing to share some of that knowledge with club members?

We would like to compile a list of Elmers in PVARC. Let our club Vice President Clay Davis (AB9A@arrl.net) know if you are willing to Elmer a newer ham in some ham radio aspect. Or could you give a brief (maximum 20-minute) hands-on talk regarding a topic to a small group of fellow members before one of our monthly club meetings at Hesse Park (i.e., from 7:00-7:15 pm)?

No one is obligated to serve as an Elmer or receive an Elmer's knowledge. But a strength of many amateur radio clubs such as ours is the depth of knowledge members have access to. We hope you can help. ■

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

Palos Verdes Amateur Radio Club

An American Radio Relay League Affiliated-Club

Board of Directors:

President	Diana Feinberg, AI6DF
Vice President	Clay Davis, AB9A
Treasurer	Bob Sylvest, AB6SY
Secretary	Daniel Yang, K6DPY
Past President	Jeff Wolf, K6JW
Directors:	Ray Day, N6HE
	Peter Landon, KE6JPM

Appointed Offices:

Interim QRO Editor	Diana Feinberg, AI6DF
Asst. to Editor	Paige Omoto, KI6MAH
Webmaster	John Freeman, WW6WW
Club Librarian	Bryant Winchell, W2RGG
VE Coordinator	Dave Scholler, KG6BPH
VE Liaison	Diana Feinberg, AI6DF
Yahoo PVARC Group Moderator	Daniel Yang, K6DPY

Contacts:

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

QRO is published monthly by the Palos Verdes Amateur Radio Club, ©2012 all rights reserved.

For permission to reprint please contact PVARC at: k6pv@arrl.net

Front page photo: The Pt. Vicente Lighthouse on a spring late-afternoon. AI6DF

Palos Verdes Amateur Radio Club 2012 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				

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					

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				

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			

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	29			

May						
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
			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	

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

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

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						

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					

 Club Activity  Club Public Service

2012 Major Contest Dates

 ARRL  CQ Magazine and Other

Jan. 7-8: ARRL RTTY Roundup
 Jan. 21-23: ARRL January VHF Sweepstakes
 Jan. 28-29: CQ Worldwide 160-Meter (CW)
 Feb. 11-12: CQ Worldwide RTTY WPX
 Feb. 18-19: ARRL DX (CW)
 Feb. 25: North American RTTY QSO Party
 Feb. 25-26: CQ Worldwide 160-Meter (SSB)
 Mar. 3-4: ARRL DX (SSB)
 Mar. 24-25: CQ Worldwide SSB WPX
 May 26-27: CQ Worldwide CW WPX
 Jun. 9-10: ARRL VHF QSO Party
 Jun. 23-24: ARRL Field Day 
 Jul. 14-15: IARU HF Championship
 Jul. 21-22: CQ Worldwide VHF
 Aug. 4-5: ARRL UHF Contest
 Sept. 29-30: CQ Worldwide RTTY DX
 Oct. 6-7: California QSO Party
 Oct. 27-28: CQ Worldwide SSB DX
 Nov. 3-4: ARRL Sweepstakes (CW)
 Nov. 17-18: ARRL Sweepstakes (SSB)
 Nov. 24-25: CQ Worldwide CW DX
 Dec. 1-2: ARRL 160-Meter Contest
 Dec. 8-9: ARRL 10-Meter Contest

PVARC Nets

Join in every **Tuesday** at 7:30 pm on K6PV, 447.120 MHz (-), PL 100.0. All members and guests are invited to check in and share information.

PVARC Meetings

7:30 pm on **3rd Wednesday** of every month, except August and December, at Fred Hesse Park, 29301 Hawthorne Blvd., Rancho Palos Verdes. Guests always welcome. Optional no-host dinner at 5:30 pm before club meetings at the Red Onion Restaurant, 736 Silver Spur Road, Rolling Hills Estates.

August 19: Annual family picnic at Pt. Vicente Lighthouse in conjunction with International Lighthouse & Lightship Weekend.

December 12: Holiday dinner

PVARC Public Service Events

April 21: Habitat for Humanity's "Palos Verdes Ride for Habitat" Bike-A-Thon

May 19: Palos Verdes Half

August 11: Rolling Hills Estates "Hills Are Alive" 5K/10K

Sept. 3: L.A. Harbor "Conquer the Bridge" Race

Sept. 22: RAT Beach Bike Tour

October 13 & 18: Great California ShakeOut

PVARC's Islands on the Air Annual DXpedition

Feb. 22-26: Two Harbors, Catalina Island.



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

NEW MEMBER &
MEMBERSHIP RENEWAL FORM

NEW: _____ or RENEWAL: _____ MEMBERSHIP DATE: _____

Last Name: _____ First Name: _____ Spouse: _____

Street Address: _____

City: _____ Zip: _____

Phone: Home _____ Work _____ Cell _____

Email address: _____

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

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

Other amateur radio groups you belong to: _____

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

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

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

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

Individual membership (\$15.00) \$ _____

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

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.

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

Signature: _____ Date: _____

Family Member Signature: _____ Date: _____

Family Member Signature: _____ Date: _____

The activity below is not sponsored by the PVARC. This cruise is shown solely for the convenience of our members and does not imply any endorsement or assumption of liability by the PVARC.

*My Pin Money Travel, LLC Announces
It's Second Amateur Radio Cruise*
MPMT'S HAM RADIO CRUISE 2
On the Carnival Magic February 10, 2013 for 7 Days

**The perfect gift for the "hard to buy for" person.
Great vacation with family and friends**

Planned activities onboard include seminars conducted during days at sea, working Maritime Mobile on two ship installed HF stations with DX for all licensed amateurs and all the fun of a Carnival Cruise! Special arrangements have been made with Carnival Cruise Lines for two HF operating stations and antennas.

Cruise from Galveston, Tx. To Key West, Fl., plus
Freeport and Nassau, The Bahamas returning to Galveston.



Only 48 cabins reserved. Book quickly - don't miss the great prices & extras!*
All prices are double occupancy and include government taxes and fees from:**

Deposit of \$250 per person due at booking in order to assign your stateroom.

TRAVEL INSURANCE IS OPTIONAL, BUT HIGHLY RECOMMENDED.

It can be purchased when you book your stateroom and is generally around \$100 or less per person.

Cruise through Debbie Rumfield, N5DSR with My Pin Money Travel, LLC (MPMT) who can be reached at mpinmoneyttravel@yahoo.com or by telephone at 832-656-0731.

This event is organized by Lance Rumfield, WD5X, in an effort to offer amateurs the ability to enjoy the rare opportunity of operating at sea while participating in a terrific vacation.

*Each stateroom will also receive amenities (\$25 on-board credit, bottle of wine, 2 tote bags, and 2 group photos) for participating in this group event. Shore excursions are also available for purchase.

**Carnival reserves the right to add a fuel surcharge of \$9 per person per day if oil goes to \$70/barrel

NOTE: U.S. Customs recommend all cruise passengers
possess a valid U.S. passport in order to board the ship!!!!!!

Two ICOM IC-7200 (or similar) HF mobile transceivers with two mobile screwdrivers will be provided. Screwdrivers will be installed on ship's top upper deck railing. We are also considering an additional loop antenna model MJF1786. Stations and antennas will be on opposite sides of the ship at the stern. Bring your own keyers/phones/computers/interfaces/etc!!! (Sorry - no HF operation or external antennas of any kind will be allowed from individual staterooms, balconies, or public areas allowed)

Captions to photographs and other illustrations in this month's QRO.

Certain software programs that convert the text of PDF files into spoken words reportedly have difficulty converting short stand-alone text items such as photo captions and text boxes. The following combines all short text items in this month's QRO into a larger body of text to facilitate conversion into speech.

Page 1: The top left photo shows the Pt. Vicente Lighthouse on a spring afternoon. The right center photo has the caption, "Imagine this: Six tons of DXpedition gear shipped in February never arrived in-time by September. PHOTO: T32C WEBSITE" The photo at the bottom shows a vintage Kenwood TS-520S transceiver to be auctioned at the next club meeting.

Page 2: The top center illustration is a drawing of AI6DF's first childhood radio. Under the header, "Toy Radios of Today—Will they Inspire?" photos of four toy radios are shown with the caption, "Some toy radios currently for sale on eBay®. All names and designs are registered trademarks of their respective owners, from left: Nickelodeon SpongeBob SquarePants®, Hello Kitty®, Clifford the Big Red Dog®, and Big Bird®."

Page 3: The photo at right center shows the T32C logo. The photo at right bottom shows the location of the T32C DXpedition on its island.

Page 5: At the bottom of the page is a partial screen shot of the PVARC Events group page on Yahoo Groups.

Page 6: The photo at the bottom shows the San Pedro Hill radar in the background, with the caption: "Still King of the Hill: The FAA air route surveillance radar on San Pedro Hill, viewed from Los Angeles Harbor's Outer Harbor. PHOTO: AI6DF"

Page 7: The photos at top center and top right illustrate the Kenwood TS-520S and DG-5 digital display being auctioned at our May 16 meeting.

Page 9: The entire page is a graphic showing the course for the Palos Verdes Half Marathon and locations of PVARC's operators.

Page 10: Three photos illustrating the Habitat for Humanity "Palos Verdes Ride for Habitat" have the captions: "Above: Bicyclists prepare to head out near our net control; Below: Denzel Dyer, KG6oQWJ, at our net control inside McCormick Ambulance MCP; **Right:** Curtis Watanabe, KI6KUK, outside the Terranea Resort. PHOTOS: BOB CLOSSON, W6HIP ". A text box shows the PVARC operators at this event.

Page 11: A small text box at lower right lists the types of ships already signed up for amateur stations at Museum Ships Weekend on June 2 and 3.

Page 12: Three photos along the left side are from PVARC's 2011 Field Day with the captions: "Photos from 2011 Field Day. Top: Late-afternoon fog behind the SSB antenna. PHOTO: MATT ORLICH, WA6AJC. **Middle:** Sid Wielin, KF6QFH, and Mel Hughes, K6SY, assemble the VHF/UHF beam antenna. PHOTO: BOB CLOSSON, W6HIP. **Bottom:** Paige Omoto, KI6MAH, and Peter Landon, KE6JPM, working 20-meter SSB. PHOTO: BOB CLOSSON, W6HIP.

Page 13: A photo on the left side has the caption, "Partial view of the 37 attendees at PVARC's April 28 license class. PHOTO: DANIEL YANG, K6DPY "

Page 14: The entire page is a graphic showing the club's 2012 calendar of events.

Page 16: This page is an advertisement for a ham radio cruise. The photo in the middle shows the ship.