



QRO

THE MONTHLY NEWSLETTER OF THE PALOS VERDES AMATEUR RADIO CLUB

JULY 2012

New Developments in Amateur (Radio) Television: ATV Repeaters, the Internet—and More

(Program re-scheduled from last January)

Don Hill, KE6BXT in Mission Viejo and an expert on Amateur Television (ATV), is the guest speaker at our July 18 monthly meeting.

Don has been Past President of the Amateur Television Network Club—Southern California for four years and will be assisted by the SoCal ATN Club's current President, Tom Board, WB6HYH of Rancho Cucamonga.

Amateur Television has undergone some interesting developments recently using the internet for worldwide linking of ATV repeaters (there are eight such repeaters in Southern California, all but one at high altitudes). If you have a Technician Class ham radio license, you can operate fast-scan ATV with the right equipment on 70cm and up.

Some hams are also experimenting with digital amateur television and several digital ATV projects are underway in the U.S. and Europe. These developments are in their early stages, but hold interesting potential.

Don and Tom will discuss how linked ATV repeaters have come a long way from the slow-scan amateur TV some hams might remember. Join us for a very informative presentation. ■

PVARC MONTHLY MEETING

"Amateur TV"

Don Hill, KE6BXT

Past President, Amateur Television Network Club—Southern California

When: 7:30 pm, Wednesday,
July 18, 2012

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



The Amateur Television Network has fast-scan ATV operations in 15 states...and now worldwide via the internet.

2012 ARRL Field Day Re-cap: We Had a Really Great Field Day...and a Great Time Doing It

By Diana Feinberg, AI6DF
PVARC President

The PVARC truly had a Field Day on June 23-24 and the next few pages will convey that with figures and photos.

Our club's 5,188 point total was the 2nd highest we've posted in the past six years; we also achieved new milestones such as an HT satellite QSO and operating on RTTY; and, with careful planning, the lawn sprinklers didn't turn on overnight this year. We also had impressive participation from club members and thank all amateurs who took part during PVARC's 2012 Field Day.

I compiled PVARC's Field Day results from the past 10 years into the table shown at right. Column D shows PVARC (as a 2-A station) generally ranked either 1st or 2nd among all 2-A stations in the ARRL Los Angeles (LAX) section. Our rank drops a bit among all 2-A Field Day stations in the ARRL Southwest Division (Column C), which includes Santa Barbara, Orange, and San Diego sections as well as Arizona.

But what I find most impressive is Column B. PVARC, as just a 2-A competitor (two transmitters plus a "Get on the Air" or VHF station), consistently scores within the top 10-15% of all Field Day entrants throughout the U.S. and Canada regardless of category. Keep in mind this includes all the 3-A, 4-A, 5-A and larger stations nationwide such as the massive 27-A W3AO operation in Maryland. Obviously, the 2007 Field Day was a disappointing exception for us.

As for the school lawn sprinklers, their early morning turn-on beneath our tents in 2009 and nearly four-hour SSB soaking overnight in 2011 partially cut our scores in those years.

Results for the PVARC and other Field Day participants vary each year with propagation conditions, equipment used, band choices, and operators—as well as clubs changing categories.

We're already looking forward to next year's Field Day as a 2-A station and hope to see you there. ■

Field Day	(A) PVARC Total Points	(B) PVARC Rank, <u>all</u> U.S. & Canada FD stations	(C) PVARC Rank, all 2-A, South- West Div.	(D) PVARC Rank, all 2-A, LAX Section
2012	5,188	??	??	??
2011	4,492	341 st of 2,632	6 th of 24	1 st of 5
2010	5,468	219 th of 2,617	5 th of 31	1 st of 8
2009	3,930	391 st of 2,603	9 th of 27	3 rd of 7
2008	4,160	332 nd of 2,409	4 th of 27	1 st of 9
2007	3,216	511 th of 2,331	6 th of 28	2 nd of 7
2006	5,242	223 rd of 2,169	4 th of 30	2 nd of 5
2005	6,216	162 nd of 2,199	3 rd of 32	2 nd of 8
2004	7,118	126 th of 2,242	3 rd of 30	2 nd of 7
2003	6,192	126 th of 2,079	4 th of 37	3 rd of 8
2002	6,246	194 th of 2,099	3 rd of 28	1 st of 7

DATA: Compiled by AI6DF from ARRL website's on-line contest database, <http://www.arrl.org/results-database>

2012 Field Day Climate Extremes

From the Palos Verdes Peninsula...



Bob Closson, W6HIP, wearing parka, knit hat, and gloves while operating SSB during chilly and windy weather in the early-morning hours Sunday at PVARC's Field Day site.

PHOTO: DIANA FEINBERG, AI6DF

...to suburban Washington, D.C.



Central air conditioner unit powered by generator at the W3AO Field Day site near Columbia, MD, as much of the U.S. endured daytime heat in the 95-105 degree range. W3AO is the station of the Potomac Valley Radio Club and Columbia Amateur Radio Club. This 27-A operation has been a 13-time overall national winner of Field Days. Our K6PV worked W3AO on multiple bands and modes during 2012 FD, including on 20-meter RTTY.

PHOTO: ALAN MULDAWER, N3ALN

Thanks to all Amateur Operators Known to Have Operated, Helped, or Visited at the PVARC's 2012 Field Day

PVARC Members (in no particular order):

Rocco Lardiere, N6KN
 Joe Pace, NZ6L
 Bob Sylvest, AB6SY
 Fran Wielin, KF6QFG
 Sid Wielin, KF6QFH
 Don Culler, KJ6FLI
 Herb Clarkson, KM6DD
 Curtis Watanabe, KI6KUK
 Brian Okamoto, KJ6RVX
 Clay Davis, AB9A
 Bob Closson, W6HIP
 Peter Landon, KE6JPM
 Malin Dollinger, KJ6HUB
 Daniel Yang, K6DPY
 Gary Parsons, KJ6NIY
 Frank Campion, K6HLR
 Alan LaFever, KF6BTO
 Dale Hanks, N6NNW
 Chris Storey, KA6WNK
 Mel Hughes, K6SY
 Diana Feinberg, AI6DF
 Jeff Wolf, K6JW
 Don Huseman, KD6UMC
 Joe Fierstein, KJ6IRE
 John Freeman, WW6WW
 Hal Croys, KO6M
 Alan Soderberg, W8CU

PVARC members who donated equipment to our Field Day effort but weren't able to attend:

Dan Colburn, W6DC
 Walt Ordway, K1DFO

Visitors:

Ashley Grayson, KJ6YCH
 Gerry Scheneman, K6MRB
 David Greenhut, N6HD (ARRL LAX Section Manager)

We thank all other amateurs who came, but if you didn't sign in we probably missed you in the record book.

2012 Field Day Entry Form

Update to previous entry submitted on 2012-06-26 14:06:42 PDT

Datestamp: 2012-06-26 14:11:38 PDT

Confirmation: 1ea065a9fca40267

Thanks for using the web to submit your 2012 ARRL Field Day entry. Print this page to use as proof that you submitted your entry.

Call Used: **K6PV** GOTA Station Call: **(none)** ARRL/RAC Section: **LAX** Class: **2A**

Participants: **29** Club/Group Name: **PALOS VERDES AMATEUR RADIO CLUB**

Power Source(s): **Generator**

Power Multiplier: **2X**

Bonus Points:

Description	Points
100% Emergency power	200
Media Publicity	100
Set-up in Public Place	100
Information Booth	100
W1AW Field Day Message	100
Satellite QSO completed	100
Site Visit by invited elected official	100
Submitted via the Web	50
Total Bonus Points	850

Score Summary:

	CW	Digital	Phone	Total	
Total QSOs	708	15	723		
Total Points	1416	30	723	2169	Claimed Score = 4,338

Submitted by:

Jeffrey Wolf, K6JW

Jeffrey Wolf, K6JW

42 Peninsula Center Drive, #400

Palos Verdes Peninsula, CA 90274

E-mail: k6jw@arrl.net

Comments:

Please note the one completed satellite QSO for 100 bonus points.

PVARC Field Day site at
5:21 AM, Sunday, June 24
PHOTO: DIANA FEINBERG, AI6DF

PVARC Field Day QSOs by Band and Mode, 2012 vs. 2011

PVARC's Points	<u>2012</u>	<u>2011</u>	QSOs	CW		Digital		SSB / FM	
				<u>2012</u>	<u>2011</u>	<u>2012</u>	<u>2011</u>	<u>2012</u>	<u>2011</u>
Bonus Points	850	750	Band						
Claimed Score	4,338	3,742	160m	--	--	--	--	--	--
Total Score	5,188	4,492	80m	--	6	--	--	31	10
			40m	--	179	4	--	24	17
			20m	319	203	11	--	310	198
			15m	389	256	--	--	273	58
			10m	--	71	--	--	1	18
			6m	--	--	--	--	47	108
			2m	--	--	--	--	29	18
			1.25m	--	--	--	--	--	14
			Other	--	--	--	--	7	--
			Satellite	--	--	--	--	1	--
			Total	708	715	15	--	723	441

PVARC's Field Day effort did very well this year on 20 and 15 meters. Our 723 total SSB QSOs were 64% above last year.

VHF conditions weren't so favorable in 2012, while 40 meters was quite noisy this year in the overnight hours—probably due to thunderstorms in the Southeast U.S.

In our inaugural Field Day use of RTTY, we found this mode wasn't very active during the early-morning hours when our CW operators were off. But we worked every RTTY station heard.

A Few Photos from PVARC's 2012 Field Day

► *More on next page*



Top left: Rocco, N6KN, and Gary, KJ6NIY, assemble Yagi elements for CW station's tri-band beam.

PHOTO: JOE PACE, NZ6L

Center left: Peter, KE6JPM; Dale, N6NNW; Clay, AB9A; Sid, KF6QFH; and Bob, W6HIP, raise flag on the SSB beam mast Saturday morning.

PHOTO: JOHN FREEMAN, WW6WW

Bottom left: Chris, KA6WNK, makes PVARC's first-ever Field Day satellite contact—worth 100 points.

PHOTO: GARY LOPES, WA6MEM

Top right: The hand of Rocco, N6KN, sending high-speed CW using his Begali sideswiper key.

PHOTO: CHRIS STOREY, KA6WNK

Middle right: Malin, KJ6HUB, operates SSB as Clay, AB9A, handles logging. PHOTO: BOB CLOSSON, W6HIP

Please visit our website to see the complete gallery of 2012 PVARC Field Day photos:

<http://www.palosverdes.com/pvarc/PhotoGalleries/2012FieldDay/index.html>

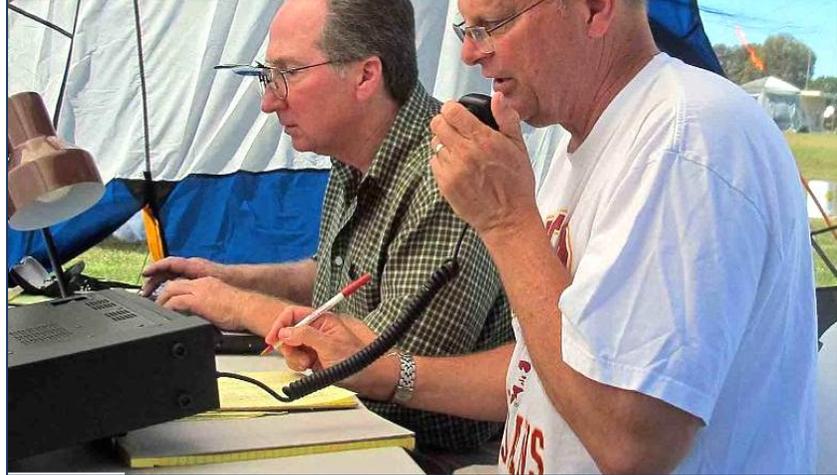
A Few More Photos from PVARC's 2012 Field Day

► *Continued from previous page*



Top left: Rocco, N6KN, makes final adjustments to his Yagi beam before raising antenna tower on trailer.
PHOTO: GARY PARSONS, KJ6NIY

Top right: Clay, AB9A, logs while Peter, KE6JPM, operates during frenetic 90 QSO's per-hour running rate on 15-meters Sunday morning.
PHOTO: JOE FIERSTEIN, KJ6IRE



Bottom left: Jeff, K6JW, operates evening shift CW with his Vibroplex iambic key.
PHOTO: DIANA FEINBERG, AI6DF

Bottom right: Mel, K6SY, operating the VHF station from the school's parking lot.
PHOTO: JOHN FREEMAN, WW6WW ■



Please visit our website to see the complete gallery of 2012 PVARC Field Day photos:

<http://www.palosverdes.com/pvarc/PhotoGalleries/2012FieldDay/index.html>

Program Notes from Our Vice President

By Clay Davis, AB9A
PVARC Vice President

I'm Back! For those of you that may have noticed, there was no Vice President's column in last month's QRO (A special thanks to Diana, AI6DF for covering for me). I was in the middle of moving out of the house, to prepare for a remodel, and into an apartment. Murphy is still alive and residing on the Peninsula. There were unintended consequences that just had to be dealt with.

My new challenge is to find a way to operate HF from an apartment in RPV (all suggestions are welcomed). At the SCDXC Conference in Visalia this year, I picked up a portable multi-band, off center fed HF vertical antenna, made by N6BT. It's 18 feet tall on a tripod. So, it won't be going on the balcony. But, I do have plans to throw it in the back of the Jeep, with the FT-897, and take it to some interesting locations to operate portable.

It's been a good year, So Far!

This has been an exciting year for me in Amateur Radio. The IOTA trip to Catalina in February was fabulous (thank you Ray Day, N6HE, Jeff Wolf, K6JW and Joe Pace, NZ6L for putting it together). Reliving it at Ray's March program was a lot of fun. His enthusiasm is contagious. The April trip to SCDXC was educational and inspiring. It is everything DX. There were presentations on DXpeditions and the DX University. June was Field Day. Peter Landon, KE6JPM and I organized the SSB tent. Dale Hanks, N6NNW brought his tri-band beam and we bested our numbers from last year. We made over 700 SSB QSOs. Bob Closson, W6HIP and Peter Landon, KE6JPM had an incredible pile up on Sunday morning.

The bonus this year has been your letting me be your Vice President. We have an incredible group of people on the Club's Board. It's really been a pleasure working with them. Thank you for your support.

Lighthouse Weekend

Stringing up a trapped dipole antenna from the top of a Lighthouse, sitting inside with an HF radio and having someone else logging for you! Then the next day they throw a BBQ for you! How cool is that?!!! Well, August is Lighthouse Weekend. Set the date aside for some real HF fun. If you are a Technician Class license, this is your chance to operate outside your license privileges, while sitting in a spectacular place with a General, Advanced, or Extra Class control operator.

Why are we Hams?

Other than the obvious fun we have with the hobby, the FCC justifies giving us valuable and much sought after bandwidth, because we provide a valuable service to our Country. "When all else fails, there is Amateur Radio". We are the dependable communications link during a local or national emergency. This is spelled out in the opening paragraph of the Federal Regulations Title 47 - Part 97:

Title 47 – Part 97

Subpart a—General Provisions

§ 97.1 Basis and purpose.

The rules and regulations in this part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

- (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.

► *Continued on next page*

Program Notes from Our Vice President

► *Continued from previous page*

This is what Field Day is all about. It demonstrates that we can perform off the grid, in remote locations, reliably, at a moment's notice. Whether it is LF, HF, VHF, UHF, Satellite or Microwave--Amateur Radio is there.

So, I'd like to suggest that all of you make an effort to turn out to Field Day, Lighthouse weekend, Catalina and other Club functions to demonstrate that we are more than just a hobby. **We are a national resource!** And, tell your friends and neighbors what you are doing and why you are doing it.

If you live in Palos Verdes Estates, become active in the Neighborhood Amateur Radio Team (NART). If you live in Rancho Palos Verdes, join the Peninsula Volunteer Alert Network (PVAN). Other cities have similar Amateur Radio emergency response organizations.

Amateur Television

Those of you who attended the Club Holiday Dinner last year, heard Dr. Jay Jones, WB6FPM talk about how Amateur Radio has influenced his career in Microbiology. In fact he went so far as to say that understanding Amateur Radio technology is the key to understanding the Universe. Then he proceeded to make the case as to why that is so.

Well, Amateur Radio indeed influenced my career long before I ever received my first call sign. I have probably told many of you the story of how, as a young boy, I really wanted to be a ham. I learned electronics from the 1957 ARRL Handbook. But, Morse code was a barrier for me at the time. Over the years, I continued to study amateur publications.

Not too many years back. I took over engineering for a startup company developing a laser light scattering instrument to detect pathogens in water, in real time. I needed to qualify the optics of a production run of telescopic photodetectors. Then an article I read many years ago, about Amateur Slow Scan TV, flashed into my head. The author had used an analog oscilloscope as a flying spot scanner with a film slide against the face of the CRT. A single photodetector was used to sense the beam intensity modulated by the slide. It occurred to me, that with such a device, I could measure simultaneously the field of view and the XY plane sensitivity of the detector. The result was US Patent 6,930,769.

This month's program will be about Amateur Television. Don Hill, KE6BXT, past President of the Amateur Television Network and Tom Board, WB6HYH the current President of ATN will be giving the presentation. This program was originally scheduled for our January meeting. But, an unexpected illness postponed it until this month.

Diana Feinberg, AI6DF and Bob Sylvest, AB6SY wrote excellent introductions to the ATV program in the January, 2012 QRO, <http://www.palosverdes.com/pvarc/2012QRO/QROJan2012.pdf>. Rather than try to summarize it here, I would encourage you to download it from the Club website and give it a read.

Look forward to seeing you at the July meeting and learning more about the Universe.

73,

Clay, AB9A

Our Club's Annual Picnic is Aug. 19th During This Year's International Lighthouse & Lightship Weekend

Save the date—Sunday, August 19--for PVARC's annual family picnic on the Pt. Vicente Lighthouse grounds during International Lighthouse and Lightship Weekend.

The lighthouse site will be open only to PVARC members, their families and guests, as well as U.S. Coast Guard personnel. We plan to have plenty of canopies to sit under and plentiful food to consume during our picnic.

We will again offer grilled veggie and turkey burgers in addition to our usual grilled chicken, hamburgers, and hot dogs. We'll be asking club members to indicate at next week's meeting on July 18 (and in the weeks that follow) which side dish, condiment, or desert they would like to bring. Otherwise, our picnic is free of charge in a very unique and pleasant setting.

We also need several members to perform gate duty at the Lighthouse grounds entrance, as well as help setting up and taking down equipment. We'll ask for these volunteers at our July 18 meeting too.

As usual, PVARC's HF radio will be operating from late Friday afternoon, August 17, through Sunday, August 19, from inside the Pt. Vicente Lighthouse for contacting other lighthouses around the world. We also make many casual contacts with amateurs everywhere. All members are welcome to operate, including Technicians with another club member present whose license has HF privileges.

Pt. Vicente Lighthouse is registered with ILLW as North America-033 with two amateur stations operating this year: PVARC's K6PV and the U.S. Coast Guard Auxiliary's K6A special event station. PVARC and the USCGA will be coordinating their band operating schedules to minimize interference and maximize our respective enjoyment.

Our thanks again go to PVARC member Bob Closson, W6HIP, who arranged with the U.S. Coast Guard for our use of the Pt. Vicente Lighthouse and grounds during Lighthouse Weekend.

Last year's ILLW had 470 lighthouses (including 19 lightships) represented in 55 countries. ■



Right:

The Pt. Vicente Lighthouse is shown backlit at 5:25 pm on Saturday, August 20, 2011, during last year's International Lighthouse & Lightship Weekend as Clay, AB9A, operated from inside.

PHOTO: AI6DF

After 11 years, ISS still communicating via ham radio from space:

Astronaut Susan J. Helms, Expedition Two Flight Engineer, is shown communicating with amateur operators on Earth in 2001 from the International Space Station's Zarya module—the first ISS component launched in 1998.

PHOTO: NASA
<http://spaceflight.nasa.gov/gallery/images/station/crew-2/html/s104e5092.html>



PVARC Members Helping Students Make Contacts With Astronauts on the International Space Station

Several PVARC members are assisting in the program enabling schools to have ham contacts with astronauts aboard the International Space Station. And other schools will be looking to experienced hams for help, too.

Bryant Winchell, W2RGG,; Bob Sylvest, AB6SY; and Peter Landon, KE6JPM, have been working with Soleado Elementary School in Rancho Palos Verdes in the competition to communicate with the Space Station. Dale Hanks, N6NNW, has offered an "egg-beater" VHF antenna for the school's use if necessary. Soleado's Principal Kevin Allen is also a licensed ham as KI6MCH.

Each school entering the competition submitted a 40-page application to NASA by July 5, along with questions for astronauts.

Bryant, W2RGG, previously worked with Palos Verdes High School in the Lunada Bay area enabling students there to communicate with the ISS. The satellite antenna at PVHS will be relocated to Soleado School.

All 21 Palos Verdes Peninsula Unified School District sites use 1.25-meter amateur radios (222-225 MHz) for their backup disaster communications needs. Soleado, if chosen to participate in the ISS amateur radio program, will be loaned a 2-meter amateur radio capable of communicating with the ISS.

A high school in East Los Angeles is also looking for help from a ham or two. PVARC member Don Huseman, KD6UMC, advises that Garfield High School in East L.A. is seeking assistance with an antenna replacement for contacting the ISS as well as helping operate their equipment. If you can help, contact Mr. Franklin Reavis at Garfield High, 323-981-5538, or Don at 310-418-6481. Garfield H.S. is located at 5101 E. Sixth Street in East Los Angeles.

Schools participate in contacting the Space Station through Amateur Radio on the ISS (ARISS), a volunteer program consisting of delegations from nine countries including the United States. ■



Mercury Component Substitutor to be auctioned at July 18th club meeting.

George, KD6TWB, Donates Free Parts for PVARC Members

We greatly thank George Fritzel, KD6TWB, of Torrance for recently donating a large collection of electronic components for our members to freely re-use in their projects. We'll have a table with these components at our next club meeting on July 18.

George also gave PVARC a Mercury 501 Component Substitutor (shown above) that we will auction at the next meeting, with proceeds benefitting the club. This device allows dialing in various values of carbon resistors, capacitors (both ceramic and electrolytic), and rectifiers while building or testing circuits.

George's components available for PVARC members include numerous power transistors, variable capacitors, diodes, and other items--many still in their original plastic envelopes with values marked. Thank you, George. ■

New Amateur Extra Member

Congratulations to PVARC member Cynthia Gonyea, formerly KJ6GPG, for recently upgrading to Amateur Extra class. She took her Extra exam at the United Amateur Radio Club's Field Day site in San Pedro's Angels Gate Park, adding another dimension to ham radio's annual Field Day. Cynthia's newly-assigned sequential call is AG6NW.

A new 702-question pool for the Amateur Extra exam went into effect on July 1, 2012. PVARC's VE team has the new exams and will use them, if needed, during our next VE session on October 6 at Hesse Park. ■

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

Alan LeFever, KF6BTO

Chris Storey, KA6WNK

Tom Bell, KJ6YCM

Mary Ann Bell, N6ZHR

Special Election To Be Held at July 18 Meeting

Our elected club Secretary, Dan, K6DPY, announced his resignation from that position on July 6. We thank Dan for his work on behalf of the club and look forward to his continued involvement with PVARC activities. In accordance with our club's constitution, we will hold a special election at our July 18th meeting to elect an interim replacement.

The PVARC Board of Directors has nominated current Director Peter Landon, KE6JPM, to fill the remaining term of Secretary through February 2013. Former President Joe Pace, NZ6L, has been nominated to serve as a Director through February 2013. We are grateful for the substantial service Peter and Joe have provided to PVARC in recent years and will continue to provide into next year.

Nominations from the floor, if any, will be taken at the beginning of the July 18 meeting, with the election to follow immediately. ■

Interesting Article: Designing “High-Performance” HF Ham Radio Transceivers

PVARC member Steve Barryte, KI6GUY, has brought to our attention an interesting article about high-performance designs for HF transceivers from a ham's perspective.

This article appeared in *Electronic Design News*, but should be understandable to most PVARC members regardless of what one studied in school. This article explains many of the performance measurements one typically sees touted for HF ham radios. Special focus is given to the Elecraft K3, Yaesu FT-5000, Ten-Tec Orion II transceivers and how they developed their respective superior performance. The Perseus software-defined receiver is also highlighted.

Check out :

<http://www.edn.com/design/communications-networking/4372294/High-performance-HF-transceiver-design-A-ham-s-perspective> ■



The Traditional Suggestion Box

The Electronic Suggestion Box

What Would You Like to See?

The PVARC currently has 147 members with various interests and experience levels in amateur radio. Our hobby is wide-ranging, with many operating or technical facets to explore.

Our question is: What would **you** like to see for a future PVARC program, operating event, QRO issue, or other club activity? How could we enhance the value of your club membership?

Please provide your suggestions at:

ai6df@arrl.net (Diana) and ab9a@arrl.net (Clay)

We are open to any suggestions for best serving our members' amateur radio needs. But sorry, we won't be able to give you that new \$4,000 transceiver you've always wanted! ■

PVARC Yahoo Discussion Group Options Being Considered

The PVARC Yahoo discussion group has been temporarily de-activated while its future direction is assessed. All member email addresses that were added to this Yahoo group have now been removed. ■

New Location Chosen for PVARC's 2012 Holiday Dinner

Save this date, too: On Wednesday, December 12, our club will hold its annual holiday dinner at the Il Toscano Italian Restaurant in Torrance. Il Toscano is located in the Hillside Village complex on Hawthorne Blvd., just south of Newton Street where Via Valmonte intersects Hawthorne.

The restaurant will be closed to the public that evening and we'll have the entire place to ourselves. There will be plenty to eat from a served five-course dinner with a choice from three entrees. Vegetarians rejoice: The restaurant owner is delighted to provide a full vegetarian dinner as well.

The PVARC Board of Directors believes Il Toscano's location is more convenient for most of our members, especially anyone coming directly from work.

We enjoyed our dinner last December at the Ports O'Call in San Pedro. But this restaurant imposed a substantial per-person price increase for 2012 that made it impractical for us to return.

We'll starting taking reservations in early October for this year's dinner. ■

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	Vacant
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

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: The Pt. Vicente Lighthouse seen from the Interpretive Center on a typical "June Gloom" day.

PHOTO: 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 Marathon & 5K
- 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:** _____



Whether for emergency communication, communicating around the world, or learning a bit about electronics, there's nothing else like amateur radio (also known as "ham radio"). Amateur radio operators have long provided the communication "when all else fails" during disasters. Please tell your friends and relatives that with a short course, they can join the over 700,000 men, women, and children in the United States from all walks of life who are licensed to operate ham radios.

Two Free Amateur Radio Courses

FCC "Technician" course (entry level)

FCC "General" course (2nd level)

Each course is 2 sessions

The sessions are on 22 & 29 September 2012

Technician 9:30 AM to 2:00 PM both Saturdays

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

FCC tests will be 10:00 AM to Noon on 6 October 2012

The Palos Verdes Amateur Radio Club will make a brief presentation at 9:30 AM at the start of the 22 September Technician class on how to get further involved with amateur radio.

The location is Fred 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 (sold at cost)

- Gordon West book with all the FCC test questions,
\$22 for the Technician, \$26 for the General;

- Copy of PowerPoint charts: \$18 for the Technician, \$18 for the General.

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

For more information contact Walt, K1DFO, at walt.ordway@yahoo.com

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 photo at the top shows the Pt. Vicente Lighthouse on a June Gloom day. The illustration at lower right shows the logo of the Amateur Television Network with the caption, "The Amateur Television Network has fast-scan ATV operations in 15 states...and now worldwide via the internet."

Page 2: A table along the right side shows the PVARC's Field Day history from 2002 through 2012, along with our ranking each year nationally across all Field Day entrants, our ranking among all 2-A stations in the ARRL Southwest Division, and our ranking among all 2-A stations in the ARRL LAX Section.

Page 3: The photograph on the top left side has the caption: "From the Palos Verdes Peninsula: Bob Closson, W6HIP, wearing parka, knit hat, and gloves while operating SSB during chilly and windy weather in the early-morning hours Sunday at PVARC's Field Day site. PHOTO: DIANA FEINBERG, AI6DF". The photo on the lower left side has the caption: "...to suburban Washington DC: Central air conditioner unit powered by generator at the W3AO Field Day site near Columbia, MD, as much of the U.S. endured daytime heat in the 95-105 degree range. W3AO is the station of the Potomac Valley Radio Club and Columbia Amateur Radio Club. This 27-A operation has been a 13-time overall national winner of Field Days. Our K6PV worked W3AO on multiple bands and modes during 2012 FD, including on 20-meter RTTY. PHOTO: ALAN MULDAWER, N3ALN". A text box on the right side of the page lists all the amateur operators at this year's PVARC Field Day site.

Page 4: The entire page shows PVARC's 2012 Field Day entry form to the ARRL, with our computed score.

Page 5: The photo at the top of the page has the caption, "PVARC Field Day site at 5:21 AM, Sunday, June 24. PHOTO: DIANA FEINBERG, AI6DF". One table of numbers on the right shows the breakdown of PVARC's contacts by ham band in CW, Digital, and SSB/FM modes comparing 2012 and 2011 Field Days. A small table on the left shows a comparison of total points scored in our 2012 and 2011 Field Days.

Page 6: Photographs showing our Field Day site have the captions: "Top left: Rocco, N6KN, and Gary, KJ6NIY, assemble Yagi elements for CW station tri-band beam. PHOTO: JOE PACE, NZ6L.

Center left: Peter, KE6JPM; Dale, N6NNW; Clay, AB9A; Sid, KF6QFH; and Bob, W6HIP, raise flag on the SSB beam mast Saturday morning. PHOTO: JOHN FREEMAN, WW6WW

Bottom left: Chris, KA6WNK, makes PVARC's first-ever Field Day satellite contact—worth 100 points. PHOTO: GARY LOPES, WA6MEM

Top right: The hand of Rocco, N6KN, sending high-speed CW using his Begali sideswiper key. PHOTO: CHRIS STOREY, KA6WNK

Middle right: Malin, KJ6HUB, operates SSB as Clay, AB9A, handles logging. PHOTO: BOB CLOSSON, W6HIP .

Page 7: Another four photos of our Field Day site have the captions: "Top left: Rocco, N6KN, makes final adjustments to his Yagi beam before raising antenna tower on trailer. PHOTO: GARY PARSONS, KJ6NIY.

Captions and other text objects in this month's QRO issue, continued

Top right: Clay, AB9A, logs while Peter, KE6JPM, operates during frenetic 90 QSO's per-hour running rate on 15-meters Sunday morning. PHOTO: JOE FIERSTEIN, KJ6IRE

Bottom left: Jeff, K6JW, operates evening shift CW with his Vibroplex iambic key. PHOTO: DIANA FEINBERG, AI6DF

Bottom right: Mel, K6SY, operating the VHF station from the school's parking lot. PHOTO: JOHN FREEMAN, WW6WW

Page 10: The photograph at bottom right has the caption, "The Pt. Vicente Lighthouse is shown backlit at 5:25 pm on Saturday, August 20, 2011, during last year's International Lighthouse & Lightship Weekend as Clay, AB9A, operated from inside. PHOTO: AI6DF."

Page 11: The photograph at the top has the caption, "After 11 years, ISS still communicating via ham radio from space: Astronaut Susan J. Helms, Expedition Two Flight Engineer, is shown communicating with amateur operators on Earth in 2001 from the International Space Station's Zarya module—the first ISS component launched in 1998. PHOTO: NASA
<http://spaceflight.nasa.gov/gallery/images/station/crew-2/html/s104e5092.html> "

Page 12: The photo at the top of left column shows a Mercury Component Substitutor that will be auctioned at our July 18 meeting.

Page 13: The photograph at top right shows a wooden suggestion box with the caption, "The traditional suggestion box."

Page 15: Shows the club's calendar for 2012.

Page 16 is the club's membership form.

Page 17: The photo in the top left corner shows a Kenwood 2-meter HT radio as part of the description for PVARC's upcoming ham radio license classes in September.