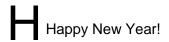


PVRC Newsletter January 2015

President's Letter – Ethan K8GU



A new calendar year in PVRC means a new slate of officers. So, a brief word of thanks is in order to retiring President Ken, KE3X, and to retiring Secretary Alan, AA4FU. Welcome to incoming Vice President Tom, K3AJ, and Secretary Vic, W4VIC. Thanks to Bill, N3RR, and Bud, W3LL, for sticking out another term as Treasurer and Vice President, respectively.

For the benefit of the majority of PVRC who were not at the Holiday Dinner in Fairfax, VA, I'll make a brief introduction. I've been a ham since 1993, when I was 12 years old. I started contesting a couple of years later to work on DXCC. Contesting was far more interesting than DXing, and I quickly found that with 100 watts and a wire, CW was more fun than phone. Moving from Ohio to Minnesota to Illinois for graduate school, I was a member of MRRC, MWA, and SMC,

before moving to the DC area in 2009 and joining PVRC.

My home station is modest, probably equivalent to what the average PVRCer has: a full-sized wire vertical for 80 meters, a dipole for 40 meters broadside E/W, and a G3TXQ hexagonal beam on a pole out back for the high bands. I ran a pair of Kenwood TS-930Ses for many years before replacing them with an Elecraft K3/100 and K2/100 recently. I have a single 3-500Z amp that gets used occasionally.

Professionally, I'm an ionospheric physicist. But, in terms of ham radio, work benefits more from my ham radio knowledge than ham radio does from my professional knowledge. As I mentioned at the Holiday Dinner, most active contesters and DXers know far more about propagation than I do. But, this work does usually afford an exotic trip or two every year and I try to get on the air.

Since I'm pulled in a number of different directions within and beyond amateur radio, I am endeavoring to keep my focus as PVRC President pretty simple:

- 1. Win the November Sweepstakes Unlimited Club Competition.
- 2. Continue to support N3RR in formalizing the tax status of the Club as a 501(c)7 organization.
- 3. Continue to develop PVRC as a premier contesting club in competitive, technical, service, and social aspects of amateur radio.

I will elaborate on these in the coming months. In the meantime, January hosts

a couple of events at which PVRC has excelled in the past: the North American QSO Parties on CW and SSB, the ARRL RTTY Roundup, and CQ 160 CW. As many of you know, we won the three-way NAQP Challenge between NCCC, SMC, and PVRC last year. Remember that the scoring for the NAQP Challenge has a multiplier for the number of participants, so even if you get on for a couple of QSOs, please be sure to submit a log and claim a score for PVRC.

Let's hope the good conditions we've had recently continue for a few more months. See you on the air (and off).

PVRC Officers:

President: Secretary: Treasurer:

K8GU Ethan Miller Vice President: W3LL Bud Governale Vice President: K3AJ Tom Valenti W4VIC Vic Culver N3RR Bill Hider

Trustees:

K3MM, N3OC, WX3B, W4ZYT, N4NW, K2AV, KE3X, K4ZA, K3WRY

PVRC Charter Members (all SK):

W3GRF, W4AAV, W4KFC, N0FFZ, W4LUE, W7YS, VP2VI/W0DX, W3IKN, W4KFT

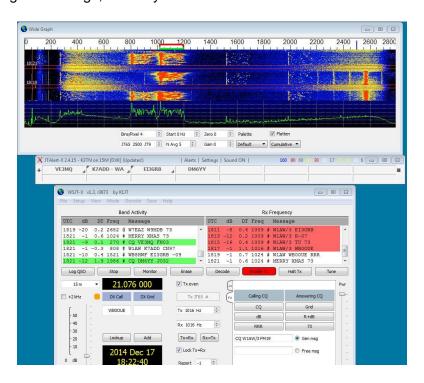
PVRC Website: http://www.pvrc.org

Exploring the Opposite Ends of the Rate Spectrum - John K3TN

At 1200Z on 17 December, I showed up at W3LPL to put in a shift on 12m as part of Frank's W1AW/3 operation. I didn't think 24 Mhz would be open that early, but Frank's station is an early band opener, to say the least – the second CQ led to a never ending cacophony of calls. I quickly went split, and started running EU, with the occasional UAO, 9H1 and VP8 calling in, as well as many locals – and John N3AM operating his home station remotely from his snowbird QTH in Florida. About 3.5 hours later, K3SC tapped me on the shoulder to take over the position, and I had around 400 QSOs in the log.

I had told Frank I would try putting W1AW/3 on JT65 from my shack. JT65 is a bizarre mode where you transmit tones for 47 seconds to send a whopping 13 characters, then take a 13 second break and listen for the next 47 seconds, repeat. A "QSO" essentially takes 4 minutes, but you really only have to pay attention for 13 seconds per minute, as you set up the next message. Not exactly blood-pressure increasing excitement, but since JT65 was originally designed to support moon bounce communications, it does get through when you would think the band is absolutely dead.

I had some work to do in the shack and JT65 is something you can easily keep an eye on while doing other things, so away we went on 15 meters.



A half hour later I had a whopping 6 QSOs in the log – it made Sunday afternoon of Sweepstakes seem like a rate fest. I QSYed to 10m and cranked out 4 more Qs in 16 minutes and then just couldn't take the excitement anymore. The next day I added a few Qs on 12m and 20m and called it quits.

If you enjoy watching paint dry, you can find good information on JT65 here.

Web-based Skimmer Report Comparison Tool – Chip N2YO

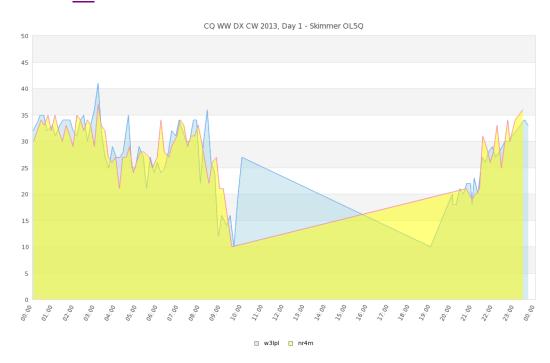
I just finished coding on a tool that may be useful for contesters.

Raw data submitted by skimmers in previous contests are available on reversebeacon.net. I think it would be useful to extract the reports just for one station as spotted by a given DX skimmer (placed in Europe for instance) for a single band and see the variation of the signal strength during a day of contest. If plotted on a graphic some interesting patterns specific for propagation or antenna directivity may become visible. Even more useful would be to compare 2 similar stations competing on the same band and see how were they heard in different places of the world.

In theory the analysis can be done with regular Excel spreadsheets since the file format is CSV, however only day 1 of CQ WW DX CW 2013 has over 2.8 M records, while day 2 more than 2.9 M records. Excel can't handle that, but hat's easy for a database.

Please give it a try here.

An example would be to compare W3LPL against NR4M on 40m, on day 1 CQ WW DX CW 2013, as per the skimmer OL5Q. This can be done directly with this link.



At this time only CQ WW DX CW 2013 skimmer reports for day 1 and day 2 (Nov 23 and 24) are loaded in the database.

Any feedback is appreciated.

73 Chip N2YO

CW Ops Mini-contests – Hank W6SX



Join us for CW fun. Three one-hour three sessions: 1300-1400Z Wednesday, 1900-2000Z Wednesday, and 0300-0400Z Thursday(Wednesday night).

CWops Tests rules are at http://www.cwops.org/cwt.html .

Everyone welcome. You don't need to be CWops member to join the fun.

CWops Tests exchange. Members: Name and CWops Member Number. Nonmembers: Name and State, Province, or DX Country Prefix.

Lots of contacts or just a few, please report your result to http://3830scores.com/.

The first rule of CW is to have fun and to share the fun.

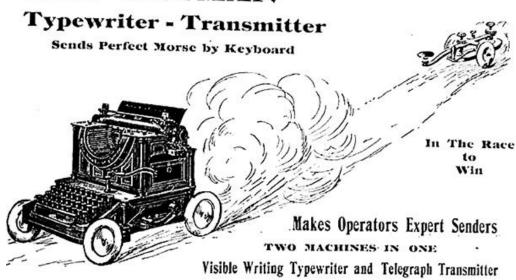
CW Exuberantly,

Hank, W6SX

CWops Tests Manager



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From <u>Tarzan.org</u>

Membership News

PVRC added one new members since the last newsletter. Please welcome Charles Al4WU from the Colonial Capitol Chapter

Chapter leaders please remember to complete the Meeting Attendance Report.

Upcoming Contests and Log Due Dates

Contests This Month

- Jan 1 SARTG RTTY
- Jan 3 ARRL RTTY Roundup
- Jan 10 NAQP CW
- Jan 17 NAQP SSB
- Jan 23 CQ WW 160 CW
- Jan 23 REF CW

Logs Due This Month

- Jan 6 ARRL 160M
- Jan 12 ARRL 10M
- Jan 20 OK DX

See WA7BNM's Contest Calendar for more detail and the latest information.

From the PVRC Treasurer - Bill N3RR

PVRC has chosen not to implement an annual Dues requirement. We depend on the generosity of all of our club members to finance our annual budget. In addition, active PVRC members are expected to participate and submit logs for at least two PVRC Club Competition contests per year.

When contemplating your donation to PVRC, each member should consider the benefit you are receiving from PVRC and its many opportunities for your personal growth in our wonderful hobby, then donate accordingly.

Direct donations to PVRC via Credit Card or PayPal may be made by clicking this "Donate" button and clicking the next Donate button that appears on your screen:



The Editor's Last Word – John K3TN

For February, I'm going to renovated and republish the PVRC Contest Cookbook for ARRL DX that we put out waaay back in 1990. Jim N3JT has updated his old entry and Fred K3ZO and Scot K)DQ are contributing write-ups. Anyone with hinks/kinks, tricks, ideas, strategies, war stories, whatever about the ARRL DX test, send them to me.

Happy new Year!. As always, send any contributions to jpescatore at aol dot com.

Eyeball QSO Directions

The latest info on local club meetings and get together will always be sent out on the PVRC reflector and posted on the PVRC web site.

NW Region: Meetings are generally held on the third Tuesday of each month at the Golden Corral Frederick, MD 5621 Spectrum Dr.
Frederick, MD 21703
PVRC Meets in the BANQUET ROOM (301) 662-5922

From Interstate 270 south of Frederick, MD take MD Route 85, "Buckeystown Road" NORTH. First right on Spectrum Drive. Restaurant is in a couple of blocks. Most arrive about 6 PM for dinner and informal discussions. The meeting begins at 7:00 PM.

Contact: Jim WX3B

Central Region: Meets monthly the second Monday of each month, except June, July & August). The location alternates between the below MD and VA locations. Pre-meeting dinners start at 6:00 pm and meetings start at 7:30 pm.

VA LOCATION: Anita's, 521 E. Maple Ave, Vienna, VA. Tel: 703-255-1001. Meets at this location during the months of February, April and October. Contact: Rich NN3W

MD LOCATION: Max's Café. 2319 University Blvd W, Wheaton MD 20902. Tel: 301-949-6297 People usually begin arriving at the restaurant around 6:30. Meets at this location during the months of January, March, May, September and November. Contact: Art K3KU

The Laurel, MD Region: Bill N3XL The PVRC get-together is held at the first <u>LARC</u> meeting each quarter at the clubhouse.

The Annapolis Crew: Dan K2YWE Meetings are held on the 4th Wednesday of each month at Broadneck Grill in Annapolis. We gather at about 5:30 PM and order dinner about 6. We break up usually before 8 PM. E-Mail <u>K2YWE</u> to be put on the e-mail reminder list.

PVRC-NC: The PVRC NC-East chapter meetings are held at Manchester's Bar and Grill on the 9100 block of Leesville Rd. in North Raleigh, with "QRM" beginning at 6:00pm and the dinner meeting following shortly thereafter. The meeting is held monthly on the 1st Thursday of most months, cancellations or changes usually announced on the PVRC-NC website. The PVRC NC-West Chapter holds its meetings on the 4th Monday of each month at the Mellow Mushroom, 314 W. 4th St., Winston-Salem, NC. Ragchew at 7:00pm, dinner meeting starts at 7:30pm. All contesters and interested guests are invited!

Over the Hill Bunch: The group meets for lunch at noon alternately in Maryland at the College Park Holiday Hotel Route 1 and the Beltway or in Virginia at the Parkview Marriot near route 50 and the Beltway. Meetings generally are held on the last Wednesday of the month and are subject to change. Meetings are announced by E-Mail. All PVRC members, non-members interested in membership and guests are welcome. For information contact Roger Stephens, K5VRX, 703-658-3991 for Virginia meetings; or Cliff Bedore W3CB or get on 147.00 for Maryland meetings.

Downtown Lunch Group: Meets on the 3rd Wednesday or Thursday of the month in the downtown area of Washington, DC. Locations occasionally change, but are always Metro accessible. Details are sent out on the PVRC reflector. Feel free to contact Eric W3DQ or Brian WV4V for details and directions.

Southwest VA Chapter: The Southwest VA group meets each Wednesday at about 8:30 AM at Hardees at 20265 Timberlake Road in Lynchburg, VA. This is an informal gathering, but normally has about 10-12 attendees. Contact Mark Sihlanick N2QT, Tel: 434-525-2921

Southern Maryland Chapter: We meet on the last Wednesday of each month at Nicolletti's Pizza located at: 22741 Three Notch Road, California, MD 20619 Phone: 301-863-2233. Check out their menu here.

Talk-in on 145.350 (-) PL-156.7

Meet and Eat 6:30 – 7:30, PVRC meeting afterwards.

Contact the Chapter Chair, Tom Shelton, ND3N at GL1800Winger<at>Verizon<dot>net or (240) 434-3811 with any questions

If you'd like to add or correct a listing, contact K3TN for inclusion in the Newsletter!

Now a Word From Our Sponsors

PVRC doesn't ask for dues, but the Club does have expenses. Please donate online here. You can also support the Club by buying from the firms listed who advertise in the newsletter, or by getting your company to sponsor the newsletter!

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The Weekly DX - is a product of The Daily DX that can be sent weekly to your home or office via e-mail in the form of a PDF (portable document format). It includes DX news, IOTA news, QSN reports, QSL information, a DX Calendar, propagation forecast and graphics. Subscriptions are \$27.00 for one year.

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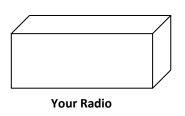
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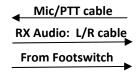


Attention: Contesters

7 Big <u>Problems</u> that are Probably <u>Affecting Your Scores</u> Right Now!

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Problem #1: Foot Not Near Footswitch, QSO Missed

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Problem #5: Operating CW, you have a "pain in the head" after "Y" hours on-air

Solution #5 - Use Mike-Link

Periodically, Flip the Reverse/Inphase Audio Switch

 Reverses mono audio source for greater listening pleasure



<u>Problem #2</u>: You wear eyeglasses and you have a "pain in the temple" after "X" hours on-air

<u>Problem #3</u>: Brand 'Z' comfortable headset solves problem #2, BUT <u>increases</u> external background noise

Solutions #2 & #3 Use Shure BRM440M Broadcast Headset

- External background noise isolating
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- Gamer-style, circumaural (over-theear) ear cup pads



Problem #4: "RF in your mic audio OM!"

Solution #4 - Use Mike-Link

Ferrite RF suppression chokes included on:

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- receiver audio
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<u>Problem #6</u>: Special microphone is needed for your ICOM radio

<u>Problem #7</u>: External batteries needed when your ICOM-specific headset is used with other radio brands

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Pro 7 Headset

Blending comfort and fidelity, the new <u>Pro 7</u> is a dual-channel stereo aviation-style headset. Its unique audio balance control lets you adjust the sound level for each speaker, which is awesome if you need to keep "one ear free" during contests. A phase reversal switch can let you hear weak frequencies better. The gooseneck mic boom can be used on either the right or left ear.



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November 1, 2014

Dear Amateur Radio & DX Enthusiast,

Next year is the 66th consecutive year for the International DX Convention. The meeting, sponsored by the Northern California DX Club, will be held at the beautiful Visalia Convention Center in downtown Visalia, CA. IDXC, the premier DX Convention in the United States, is attended by over 800 serious DX'ers and contesters looking to improve their skills, their stations and see the latest equipment.

Convention Highlights:

- Full day of training on Friday, April 17, 2015: Contesting and DXing Techniques
- Friday Evening Dinner Options: TopBand, IOTA, and Contesting
- Open DX Forum
- 15-20 DX & Technical Seminars
- 35-40 Exhibitors in large Exhibit Hall
- QSL Card Checking
- · Great Raffle Prizes
- Eyeball QSOs w/DX Friends
- Excellent Keynote Speakers
- Access to great California vacation destinations (see description on website)
- Registration Starts: 12-08-2014
- Website: dxconvention.org

We intend to make IDXC 2015 the best DX Convention ever, and hope you'll be able to join us.

Sincerely,

John Miller, K6MM Kevin Rowett, K6TD Rich Seifert, KE1B IDXC 2015 Co-Chairmen

