

# *PVRC Newsletter*

## *February 2017*

### President's Letter – Bud W3LL

**H**ello PVRC,

Did you know that the only circle wide PVRC event is about to take place in a few days? I'm referring to the second annual Galactic PVRC Social and Luncheon, held after the Frostfest Ham Show, 4 February 2016 from 1-4PM. The location is Roma Ristorante Italiano, 7240 Bell Creek Road, Mechanicsville, VA. That's about 5 miles from the Frostfest and convenient to I-295. A private dining room and convenient overflow space is provided. An opportunity to meet personally with PVRC members from all over the regions – a chance to make acquaintances rather than just Q's. We'll have awards to present and maybe some gavels. This year's host is the Colonial Capital Chapter of PVRC. Please let our hosts Bill NR4C at [nr4c@widomaker.com](mailto:nr4c@widomaker.com) or VP Ted W3TB [w3tb.ted@gmail.com](mailto:w3tb.ted@gmail.com) know of your intention to attend so that they can plan accordingly.

A little history on the Galactic event: A call went out a year ago in January of 2016 for a volunteer to put together and host an event in the center of the circle. Neal K3NC volunteered, found a great venue and named it the Galactic Event. Last year's event went well beyond anyone's expectations. The rest is history.

I'm looking forward to the third leg of the NAQP winter series, the RTTY mode. According to my calendar I'll have just enough time as our cruise ship docks in Baltimore that Saturday morning to get home to sit at the rig and begin playing at the start of NAQP RTTY. At this time it appears we're ahead in the CW segment and still too close to call for the SSB second leg. That means the RTTY segment becomes the critical one. Unfortunately we're historically short of RTTY players. I've asked for RTTY mentors along with those who need help getting started. So far only one mentor volunteered and one member asked for help. Not enough. We need to get serious if we want to have any chance of coming out ahead in this last leg.

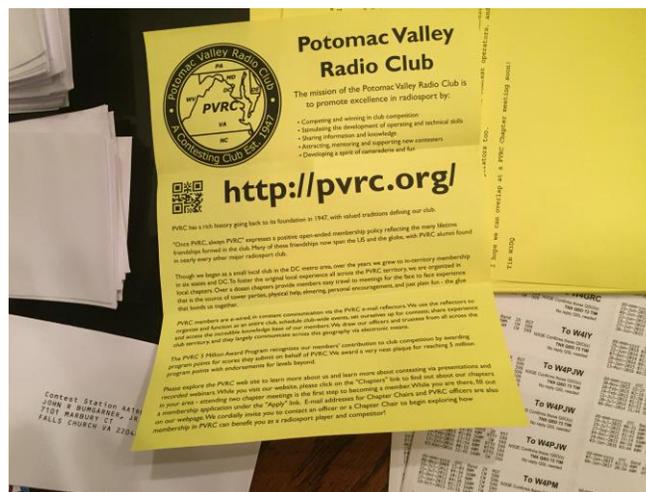
Switching gears, let me share with you some of the “code” that goes on behind the “office curtain”. A member reported an issue with the website: “When clicking on any of the table headings that are supposed to sort the table, nothing happens.” The reply from VP Tim N3QE: “Alan - all I did was change \$sorting type to \$stype everywhere in the script. My editor - in only one place! - was lighting up the first 5 characters of \$sorting type was \$sort was a reserved word. Very odd because I think contest.php uses \$sorting type without any problem.”

I have no idea what was said and don't need to know. Maybe you can decode. Let me carry this theme a little further to expose how fortunate we are to have such a creative “staff” who can think way out of the box. I mentioned in my year-end report that we face a membership growth headwind. We don't take that lightly!

VP Ted created an Excel spreadsheet of potential new members. Tim wrote: “I know previously we were working from a spreadsheet. But I am not a spreadsheet kind of guy. I made a map of all prospective members (not just the ones in my log) excluding PVRC, FRC, and NEMARC members. (A couple club calls did escape the filtering). It shows the ARRL HF (red) and ARRL VHF (green) circles too.” (Now here is the creative part – go [here](#) and continue.) There's a red marker for each prospective member on the map. If you mouse over a prospective members location on the map it shows you his call, the number of logs he is known to have submitted in the past two years, and street address.

Maybe we can open up the prospective member map to the membership and let them see if they know anyone in their neighborhood. This is kind of "business development" territory until we agree together that this is something we can let loose to the membership (who will undoubtedly leak some of this info to other contest clubs they are members of.)

Tim didn't stop there: he recalls the excellent day when he opened an envelope to find a QSL card from Art K3KU along with a note inviting him to learn about PVRC and attend a chapter meeting. Tim has been returning the favor by scouring his logs for in-circle contest contacts from non-members who have submitted contest logs. He is busy stuffing almost 200 envelopes with a "learn about PVRC" flyer and a QSL card with a friendly note.



The list of prospective in-circle members known to submit contest logs has been gone over by the officers, geo-located, and turned into a Google map. You can see a map of the PVRC contest circles [here](#), with a "pin" representing the address of each prospective member. Mousing over a pin, you can see the prospective member's information. Explore your neighborhood on this map and see what prospective members you could invite to an upcoming chapter meeting!

The above is just one example of this creativity. Another is looking to modify the PVRC Reunion to reflect our 70th anniversary. Using SS as a template the exchange could be:

His Call	Serial Number	License Class	When U Joined PVRC	Your Call
Year Caller	First Joined (last two digits)	Chapter Initials (two letters, NC = No Chapter OC = Out Of Circle)		

Enough of what we're doing. Now let's look at what you did during the past month in the world of contesting. On to the Sports Page! Contesting in 2017 got off to a start with the ARRL RTTY Roundup. 50 PVRC single ops and 5 multiops with another 25 ops - most of them PVRC - played. In the multiop category, both W4RM and W6IHG (at W4AAW) made the top 10 with W4RM scoring 173K in this competitive category. In SOHP, NR4M put up the top PVRC score with 1036 QSO and 117K. Kudos to KA4RRU for placing 4th in the very competitive SOLP category (over 180 scores reported on 3830 in that category) with a score of almost 126K. PVRC calls were well represented in SO Unlimited HP with notable finishes by W3LL (5th place/201K), N3QE (10th place/167K) and K4GMH (15th place/129K). KU4V placed 7th in SO Unlimited LP with 887 QSO for 78K. With this level of participation, PVRC is becoming a force in RTTY contesting. Perennial RTTY powerhouse SMC didn't match our level of participation this time.

Coming off PVRC's win of the NAQP Club Challenge Cup in 2016, we turned out in force for the January NAQP's. The CW version saw great conditions and lots of activity. At times, even 160M was loaded with stations and 80M was the gift that kept on giving. Participation in this one exceeded 100 PVRC entries. The format of the club competition requires both participation - even getting on for a few QSO's yields a participant mult - and big scores. It was interesting to see that a lot of PVRC'ers opted to enter as M/2 even while operating solo in order to use spotting assistance. This approach is being used to put up the highest possible scores for the club.

A "real" M/2 effort by NC4KW (with AA4FU, N1LN, N3ND and N4YDU) put in a 4th place finish among the M/2's with 1731 QSO and 463K! Scores above 200K were posted by N4AF and K7SV - currently sitting at #8 and #18 on 3830. The following members put up scores above 100K: M/2 SO's W3LL (ND3D), N3HEE, W4ML (W4MYA), and AB3CV; SOLP's N9NB, KD4D (@N3HBX), N3QE, NR4M, KE3X (NN3W), K0ZR, N4CW, K3AJ, KA4RRU and W4AU. Whew! This was also the first running of NAQP with DC as a multiplier. NN3W(@KE3X) and W3DQ put in yeoman service making the new mult available.

But what a difference a week makes! The conditions during NAQP SSB were challenging, to say the least. 89 PVRC entries are showing on 3830 though, so many of us toughed it out - at least for a little while. Team WX3B (WX3B, W3DF, WA3AER, K3AJ) put up over 300K for a second place finish in M/2 (tough to compete with that 8P mult). Team KD4D at N3HBX (KD4D, N3QE, WA3RGH, ND3D) finished in 6th with

245K. Scores were way down over the CW running, so only two PVRC SO's managed to break 100K: N1LN and K7SV. PVRC entrants making over 500 QSO were W4MYA (M/2), W3LL and N4GU. Even with tough going, there were some important firsts by PVRC members: N4DJ put his 9 year old granddaughter Mallory on the air! NA1DX made their first foray as a "real" M/2 station and K3AO reports his first ever try at running. Finally, in the modest antenna subcategory, W3UL at AC3U in FL reports using a wire thrown up into a palm tree. Nice visual on that. No report as to whether or not umbrella drinks were involved...

The January ARRL VHF contest didn't disappoint. Usually, there is not much enhanced propagation in January and "When you expect the worst - you're never disappointed." There are a lot of categories in this one, so we won't go through the whole litany of results in detail. But many of the usual suspects in PVRC showed up. W3IDT and W3YOZ made it up to the mountain for their part in the usually very competitive W3SO multiop. W3IP put in a nice 3rd place in his category (SO HP) with almost 70K. He keeps engaged using all of the many on-line tools to find QSO's among the various bands and modes. N3HBX wasn't far behind with 58K. John was heard relentlessly CQ'ing all weekend from The Farm. Other stations reporting over 100 QSO so far include K3ZO (who lost some BIC time watching his beloved Packers go down to defeat) W3RFC, K1HTV, K3AJ, K3SX, N3ALN and W3LL. N4CF was bound and determined to get his 20 for 20 credit in this one and made it with 3 QSO to spare - Mike gets credit for hanging in there with low power and a dipole at 13 ft. to get the job done on 6M. It is interesting to see the increase in the use of meteor scatter digital modes in this contest - much more of that to come in the future, no doubt.

Finally, though not an actual contest, a number of PVRC members participated in Straight Key Night on January 1. Take a look at some of the pictures elsewhere in this issue! Those admitting that they were on the air included K4HQK, N3YUG, K4GM, W3LPL, N3QE, K2YWE and K3AJ. They used quite an assortment of rigs and keys! W3LPL's Viking Valiant produced a VK on his first 40M CQ ("It's good to be loud").

Until next month 73, Bud W3LL

<b><u>PVRC Officers:</u></b>		<b><u>Trustees:</u></b>	
President:	W3LL Bud Governale	K3MM, N3OC, WX3B, W4ZYT, N4NW, K2AV, KE3X, K4ZA, K3WRY	
Vice President:	K2YWE Dan Zeitlin		
Vice President:	W3TB Tom Edwards		
Secretary:	N3QE Tim Shoppa	<b><u>PVRC Charter Members (all SK):</u></b>	
Treasurer:	K3AJ Tom Valenti	W3GRF, W4AAV, W4KFC, N0FFZ, W4LUE, W7YS, VP2VI/W0DX, W3IKN, W4KFT	
PVRC Website: <a href="http://www.pvrc.org">http://www.pvrc.org</a>			

## February is Real™ Contest Month! - John K3TN

Two of my favorite contests are in February:

- **Feb 5<sup>th</sup>, 0000 – 0400Z NA Sprint CW:** The [Sprints](#) are not everyone's cup of tea but I think it is the most fun you can pack into four hours. **Note: DC has been added as multiplier to the CW Sprint!**
- **Feb 18th/19th – ARRL DX CW:** 10m will be more like a VHF band and this might be the last hurrah for 15m the ARRL DX for many years. You can download the PVRC ARRL DX Contest Cookbook [here](#).

## VK Hams View of the World – Chris VA3VF via eHam.net



## 2017: Stay Calm and Straight Key On

Several PVRChers were active on Straight Key Night using their classic radio setups:



KN3DML 1958 novice station (sans VF-1). DX-40 and SX-100. (WN3R)



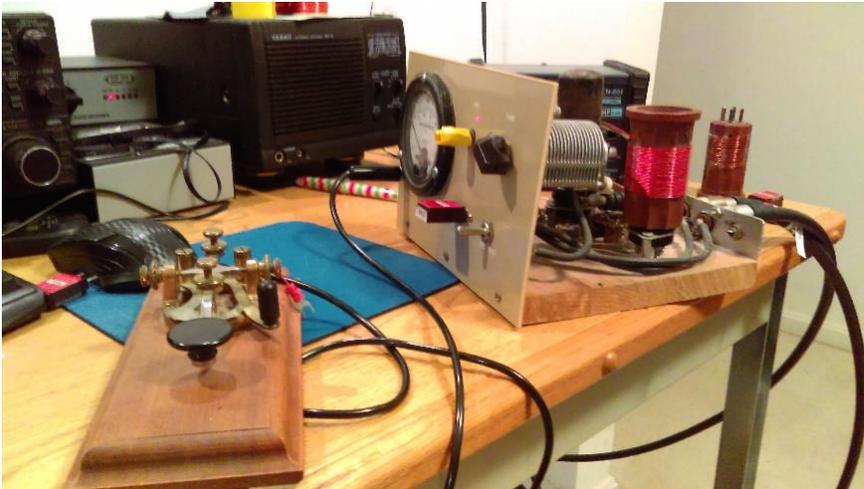
K3DML 1959 General Station. NC-303 and Johnson Viking Valiant. (WN3R)



1960 Collins KWM-2, 30L-1, 312B-5, acquired 2009. (WN3R)

Three stations but zero SKN contacts - I thought it would be rude to operate when we had guests over for New Year's. But I thought about it! Before anyone goes crazy. Neither 58-59 station is my original gear. And, yes, that **is** a Ranger. The Valiant was too big and way too heavy for me to bring into the upstairs shack.

All 3 stations are 100% operational. 73, Dick, WN3R



This is my 6L6 rig built in 1963, using plans from '46 ARRL Handbook - W4AAW



Frank W3LPL

I made about 30 QSOs all on 40 meters between 7030-7045 kHz. My first CQ was immediately answered by VK2BJ, I was also called by VK3 and a ZL1.

My transmitter was a Johnson Viking Valiant, receiver was a National NC-303 and I used a J-38 key. There's still lots of fun left in those old radios!

The World War II J-38 was one of the most popular keys in the 1950s, Mine was manufactured by American Radio Hardware as part of a US Army Signal Corps operator training set.

My antenna was my 3 element full size 40 meter Yagi that I built in 1971, a direct copy (but now much stronger) of W3KRQ's 40 meter Yagi built in the 1950s. I've never found an acceptable set of 1950s headphones, so I used my favorite modern phones, the Beyer dynamic DT-770-M

I was licensed in 1959 as KN1LPL, I took my Novice test at the Providence Radio Assn, W1OP, which had just purchased a new NC-303. I put countless hundreds of hours on that receiver. My friend K1EIS and my college radio club W1KMV both owned Viking Valiants that I also operated for hundreds of hours. See you next year!

73 Frank W3LPL



John K4HQQ

The J-38 I bought from a supplier for 99 cents in 1955 has lounged on my desk for years, a dusty artifact. I never expected to pound it again the way I had as an enthusiastic Novice. I thought I had a pretty good fist back then, too.

However, all the enthusiastic PVRC chatter fired me up so I resolved to at least dip my toe in. I didn't have much time for SKN owing to family commitments, but did get on the air late New Year's Day and slogged my way through QSOs with six other sloggers. I think we all discovered our once-clean fists were not easily revived. Repeatedly sending a "4" and an "H" next to each other, as my call requires, left me panting. Where did those muscles go?

CQing brought two responses from guys using QRP rigs, barely audible through the noise. Why make this harder! ;-). The rest had dragged out old equipment, as most of you had. I wish I had been able to do that, but my original transmitters were a Heathkit AT-1 and a DX-20, and alas, I cannibalized them long ago. I do have Drake Twins, but I blew out the final several years ago. So for me it had to be Icom and Ameritron.

Bottom line: The SKN succeeded in whetting my appetite for more hand-pumped CW. Next time I might even practice first.



### Tom K3AJ

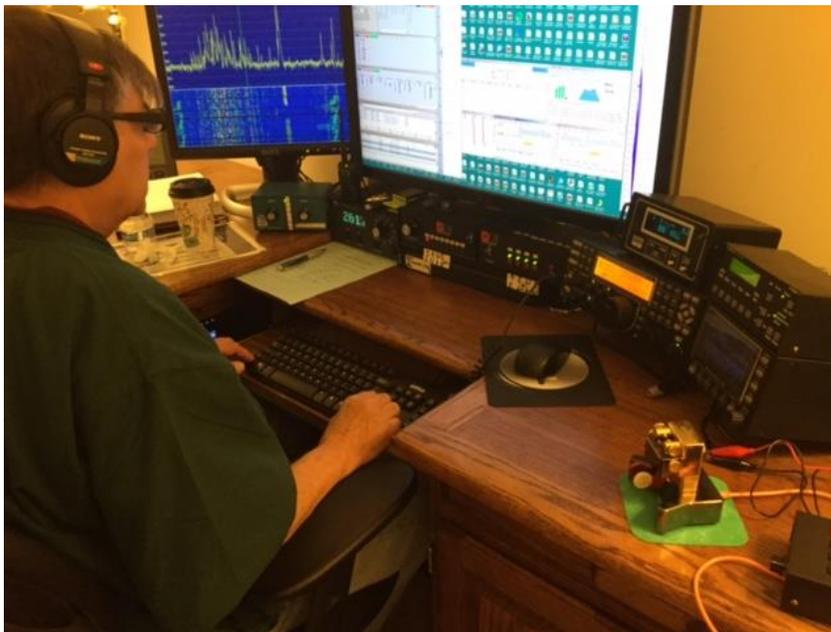
My SKN effort was good for 19 QSO's. The key used was a Vibroplex Presentation Bug. Most of my QSO's were made with an HW-16, but I also made 5 QSO's using my "2-Tube Station" consisting of a single 6CL6 transmitter similar in design to the Ameco AC1-T and a one-tube regen using a 6U8 (below), based on a 1955 QST article



## PVRCers in Action



Bill NR4C's setup for the RTTY Roundup.



Bob ND3D at W3LL in the NAQP CW.

## PVRC Reaches WRTC 2018 Gold Sponsorship Level – Michael DL6MHW

(From email to Bud W3LL)

In the name of the WRTC 2018 I want to say Thank You to the PVRC for their generous support. Without the support of clubs and organisations like the PVRC life would be much harder than it already is. Dave, K3ZJ, did a great job to collect all the donations and coordinate the transatlantic paperwork.

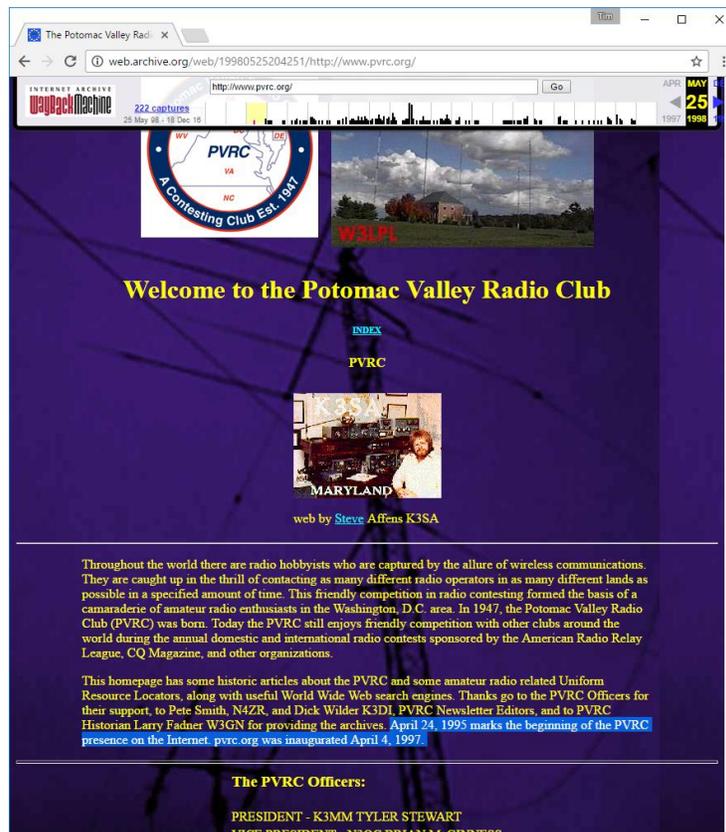
Please find attached the certificate for the gold sponsorship for your webpage or you circular. I hope our president Chris, DI1MGB, can hand over the certificate personally in Dayton.

Please pass our warmest regards to the members of the PVRC Foundation! Many thanks again!

73s Michael, DL6MHW

## From the Wayback Machine: PVRC.org Nearly 10 Years Old!

Tim N3QE found the archived [version](#) of the birth of PVRC.org, with a great photo of Steve K3SA (SK). Steve died of a heart attack in the Cayman Islands just a few years later – John K3TN



## Death Valley CWT Contesting – Scott K9MA

*(The CW Ops organization holds one hour mini-contests each Wednesday at several different time slots. Anyone can join in – details [here](#). This article is reprinted with permission from K9MA's blog.)*

As a brief respite from the Wisconsin winter, I drove out to Death Valley in early December. Among other things, this was my first test of the car camping radio setup. It consists of the K3, end fed 40 M half wave antenna supported by an 11 meter carbon fiber fishing pole, antenna tuner, and an old netbook for logging. I added a couple 20 meter radials for 80 M operation. Power supply is a 33 Ah SLA battery and N8XJK voltage booster. I can recharge the battery in the car while driving, though it takes a while. Fortunately, the battery proved adequate for 3 hours of CWT operation without recharging.

My first western stop was at Willow Beach, on Lake Mohave, just south of Hoover Dam. While enjoying the nice weather there and relaxing after the long drive, I set up the station just to check everything out. Everything seemed to work fine, and I even made one DX contact on 20.

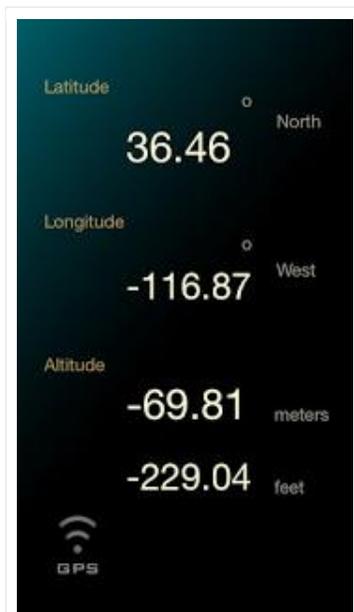


Willow Beach Campsite



Willow Beach Antenna

On to Death Valley, where I moved into campsite 139 in the Furnace Creek campground.



Death Valley QTH

I think it was only really about 190 feet below sea level. Precise QTH was DM16nl.  
(36.46200,-116.87048; you can actually see the picnic table in the Google satellite view.)



Death Valley Station



Power Supply



Death Valley Site and Antenna

Shortly after I arrived was the ARRL 10 M contest. I made a 10 meter half wave wire, and strung it up more or less vertically. Conditions were predictably dismal, but somehow 32 operators managed to hear me over a couple hours of operation Saturday.

A few days later, I set up for the Dec. 14-15 CWT's. I put the antenna up Tuesday afternoon, as the 13Z CWT starts way before sunrise. Fortunately, winds were light. Unfortunately, some klutz stepped on the fishing pole and broke a section, so it was a couple feet shorter than usual. (Never, ever, lay your fishing pole on the ground!) I put the wire up in its usual configuration, supported by the pole about 5 meters from the far end, with monofilament lines from the ends to conveniently located mesquite trees just tall enough to keep the lines above head height. On 80, of course, the wire is only a quarter wave, so I expected some "RF in the shack", but it wasn't a problem.

Crawling out of the tent at 4:30 AM wasn't fun, but the antenna was still up. I heard nothing on 20, but managed to make 53 contacts on 40 and 80.

It was a lot warmer at 19Z, though the sun made it hard to see the netbook screen. In spite of a little run on 20, I just ran out of stations to work, and ended up with just 43 QSO's. There were interesting echoes on 20, and I even worked N5ZO on backscatter. I was briefly interrupted by a curious park ranger, whom I should have tipped off first. (She thought the bottom of the fishing pole was illegally buried in the ground. She probably didn't notice the fishing line in the mesquite. No trees were damaged in this operation, though those thorns are nasty.)

By 03Z, the hole was getting deeper. It was tougher than any of my QRP operations, save the one from that Utah canyon. Lots of loud, usually responsive operators just couldn't hear me at all. As far as I could tell, 100 Watts were coming out of the radio, but

going nowhere. I think conditions were pretty good, though 40 started long and got longer. I expect there was lots of activity on 160, but I didn't bring that much wire. I ended up with 37 QSO's. As winds were forecast to pick up overnight, I took the antenna down in the dark, then walked the half mile over to the Furnace Creek Ranch to post the results.

It was an interesting operation, but it seems my favorite desert camping spots are poor for radio operating. At least there were no mosquitoes, and it was a lot warmer than Wisconsin in December. Perhaps in the spring, in addition to my QRP bicycle portable operations, I'll try some with the car camping station. Hopefully, I'll be able to find some places that aren't deep in holes in the ground.

### Membership News – Tim N3QE

PVRC added several members in the past few months – please welcome:

- In November 2016, Jon KL2A in the Downtown DC chapter.
- In December 2016, Richard K3FK and Elaine N3HMM, both in the Annapolis chapter.
- In January 2017, Kevin WH6AQ in the Tidewater chapter, and Dino KL0S in the Colonial Capital chapter.

Chapter leaders please remember to complete the [Meeting Attendance Report](#). Members can check and update their roster details via the [Roster Lookup](#).

### Upcoming Contests and Log Due Dates

#### Contests This Month

- **Feb 5 - NA Sprint CW**
- Feb 11 - CQ WW RTTY WPX
- Feb 11 - PACC
- **Feb 18 – ARRL DX CW**
- Feb 24 – CQ WW 160 SSB
- Feb 25 – NAQP RTTY

#### Logs Due This Month

- Feb 1 – CQ WW 160 CW
- Feb 7 – ARRL RTTY Roundup
- Feb 22 – ARRL VHF

See WA7BNM's [Contest Calendar](#) for more detail and the latest information.

## The Editor's Last Word – John K3TN

With the bands kind of punk I decided to do some indoor shack maintenance – amazing how many versions of software and firmware I updated across rigs, logging software, interfaces, etc. Since Santa gave me a KPod for my K3 K-line setup, I now have to periodically update 5 different pieces of Elecraft firmware.

I've worked in computer and network security my entire career, with the last 23 years focused on Internet security. The beginning of the year is a good time to check if you're shack is at the "basic security hygiene" level. The top five things to do:

1. Think before you click – and **never** enter sensitive information after landing on a link you clicked on.
2. Turn on Windows auto-update and the free anti-viral software like Windows Defender. There is no need to pay for AV software beyond that, unless you really can't obey rule 1 above.
3. Turn on the Windows firewall and the firewall in your home router/cable modem to at least the medium level.
4. Wherever possible, use two step verification or strong authentication (like getting a text message when you login) for your meaningful accounts online.
5. Go back to rule 1 – do you really need to click on all those links you receive in email?

Those five things will be enough for most. More detail can be found [here](#) if you are interested.

Thanks to Bill NR4C, Frank W3LPL, John K4HQQ, Tom K3AJ, Dick WN3R and Mike W4AAW for submissions for this month's newsletter. If you have any good contest stories or photos, or anything else – send to [jpescatore at aol dot com](mailto:jpescatore@aol.com).

## From the PVRC Treasurer – Tom K3AJ

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:



**Donations to PVRC are not tax deductible**

## 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: [Chef Lin](#), 417 S Jefferson St. Frederick, MD 21701 Phone #: 301-620-0664(2675)  
The meeting begins at 7:00 PM.

Contact: Jim [WX3B](#)

**DC Metro:** 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 6:00. 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 [LARC](#) 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 [K2YWE](#) 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 meets the 3rd Monday of each month (except December) at about 7:00 PM at Hams Restaurant, 414 S. Stratford Rd., Winston-Salem on the south end of the Thruway Shopping Center. We meet in the front meeting room of the restaurant. A wide variety of cold 801s and Sports bar menu available. Contact Henry Heidtmann [W2DZO](#), full info at <http://www.w4nc.com>

**Over the Hill Bunch:** The group meets for lunch at noon alternately in Maryland at the Sir Walter Raleigh Inn 6323 Greenbelt Rd, Berwyn Heights, MD or in Virginia at Anthony's restaurant in Falls Church. Meetings generally are held on the last Wednesday of the month and are subject to change. Meetings are announced by email.

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: At 12 o'clock noon on the first Wednesday of every month in Downtown DC.

Location: R.F.D. Washington, 810 7th St., N.W. Washington - Metro (Green Line) at Gallery Place Station

Meeting since April 2005, PVRC'ers, contesters, DX'ers, and others coming through this area have been meeting for lunch in the Metro Center area of downtown Washington, DC. If you give him enough notice, regular attendee Fred, K3ZO, may bring you your 3-land QSL bureau cards! We invite and encourage you to join us every month for good food, good company, and good conversation. If you have any questions feel free to email or call W3DQ or our co-convenor, Rich NN3W. Hope you can join us!

**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

**Eastern Shore Chapter:** Meets every three months, on the second Saturday of April, July, October and January at noon. In keeping with the tradition established by SK Dallas W3PP we will also meet at the contest station of Eric WG3J one hour before the start of most major contests. Contact Eric Hudson [WG3J](#)

Location: Delmar Pizza, north west corner of the intersection of highways 13 and 54 in Delmar, DE

**Southern Maryland Chapter:** Currently on hiatus, if interested in meeting contact the Chapter Chair, Tom Shelton, [ND3N](#) via email or (240) 434-3811

**Colonial Capital Chapter:** Meets the 2nd Thursday of each month at 8:30 am  
Location: Hot Stacks Restaurant, 6495 Richmond Rd, Williamsburg, VA 23188  
757-565-1105

Contact: Bill Conkling [NR4C](#)

**The Tidewater Chapter meets** the 3rd Tuesday of every month at Frankie's Place for Ribs located in the Fairfield Shopping Center on the corner of Kempsville Road and Providence Road in Virginia Beach. The meeting starts at 7:00 PM. All amateurs are invited.

Contact either Chapter Chair: Don Lynch, [W4YZT](#), or Ron Young, [W8RJL](#)

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. You can also support the Club by buying from the firms listed who advertise in the newsletter!

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**WWW.LZ1JZ.COM**



By Scott KA9FOX

- Free Ham Radio Classifieds (most popular ham swap site)
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## Your source for DX News!

**The Daily DX** - is a text DX bulletin that can be sent via e-mail to your home or office Monday through Friday and includes DX news, IOTA news, QSN reports, QSL information, a DX Calendar, propagation forecast and much, much more. With a subscription to The Daily DX you will also receive DX news flashes and other interesting DX tidbits. *Subscriptions are \$49.00 for one year or \$28.00 for 6 months.*

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# DX Engineering has Everything You Need for Your Ham Station!



## DX ENGINEERING

### Skyhawk™ and Skylark Multi-Band Yagi Antennas

The 20/15/10M Skyhawk features a trap free design to provide the best bandwidth and lowest loss. The use of aluminum and stainless steel hardware keeps the overall weight down to only 75 pounds.

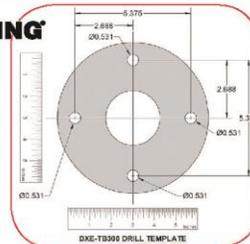
The 17/12M Skylark has no moving parts, making it extremely reliable and easy to install. It requires no tuning, so you can switch bands in an instant.



### HF and VHF Linear Amplifiers

RM Italy's Linear amplifiers prove that you don't need massive RF power to break through pileups. These Amplifiers can supply up to 250 watts of RF amplification, and are a perfect complement to your favorite HT or low power mobile/base radios.

## DX ENGINEERING



### Advanced Design Thrust Bearing

The Advanced Design Thrust Bearing from DX Engineering features ball bearings that ride on an all-metal surface to promote a longer service life.

It can also handle much greater static loads, which reduces stress on the rotator, and makes rotator service possible without removing your antenna—saving you tons of hassle, time and money!

## RigExpert®

### AA-55ZOOM Antenna Analyzer

Designed for measuring SWR, return/cable loss, and several other critical parameters, the AA-55ZOOM is an excellent tool for getting the most performance from your station. The analyzer has a large, color display with an innovative zoom feature that makes it easy to get precise, accurate measurements. It covers 60 kHz to 55 MHz.



### NANUK

Pair your analyzer with a case! Nanuk 910 Series.

## DX Engineering Supports the E51AMF North Cook Islands DXpedition!

**E51AMF** Manihiki Atoll  
North Cook Islands  
January 11 - February 6, 2017



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All Mode Transceiver



**IC-7200**  
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VHF/UHF Dual Band Digital Transceiver



**ID-51A Plus**  
VHF/UHF Dual Band Transceiver

**KENWOOD**



**TS-590SG**  
HF/50MHz Transceiver



**TM-D710G**  
2M/440 Dualband



**TM-V71A**  
2M/440 DualBand



**TM-281A**  
2 Mtr Mobile



**TH-D74A**  
2M/220/440 HT

**YAESU**  
The radio



**FT-991A**  
HF/VHF/UHF Transceiver



**FTDX1200**  
100W HF + 6M Transceiver



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for the most welcome donation, and takes pleasure in awarding  
this WRTC-2018 certificate as a gesture of its appreciation.

29th December 2016  
Wolmirstedt

  
Michael Höding, DL6MHW  
Vice President Fundraising

*Welcome to Germany*

