

# *PVRC Newsletter*

## *November 2017*

# *Sweepstakes!*

# *CQ WW CW!*

### President's Letter – Bud W3LL

Hello, PVRC.

Last month I wrote about the overwhelmingly large turnout that SMC was able to muster for NAQP SSB. That momentum is likely to carry forward to November's SS SSB contest. With PVRC having won this event for NINE consecutive years it's only logical that SMC would like to end that streak. More importantly, they proved that they can do it if we don't get a fire burning in the pit of our stomach. With our significant membership advantage it's only ours to lose by not helping your club.

Jim WX3B is our event cheerleader. I'd like to see his listing of planned participants include all of us – all thousand members. Without an overwhelmingly large turnout from PVRC we'll surely end this streak. We don't want to read about that in QST! So on the upbeat, let Jim know of your SS intentions and grow the list of planned participants.

An added incentive to **Double Points** is the PVRC Olympics Award. Read the rules because for the "gold medal" you'll at least need to "Submit logs in both modes of Sweepstakes, with at least 200 QSO's in each mode"!!! With a **Double Point** incentive it's also a great opportunity for those looking to break into or advance in the 1M to 4M extension to the 5M program. And don't forget what **Double Points** will do for your 5M advancement to 100 million points.

One of the perks of this job is to present PVRC President's Leadership Award plaques.

It gives me an opportunity to visit our chapters bringing presents and this month was no exception. The end of September found four of us, Jim AB3CV at the helm along with Tom K3AJ, Marty K2PLF and myself, travelling south to the PVRC Wide Pig Fest Event held at the infamous goat farm known as Steve's NR4M contest station and sometimes home of the Rappahannock Chapter of PVRC.

Steve outdid himself with the food, ribs that melted off the bone, pulled pork and a whole assortment of other food on the "buffet line". I can't say enough about the NR4M location and station. If you ever have an opportunity it's a must see contest station along with a superb host.

There, I had the pleasure to present Ted W3TB, our outgoing VP, with the President's Leadership Award "For service as Vice President of PVRC and for sustaining the PVRC Galactic Event". Ted is the consummate gentleman and a pleasure to work with as part of the PVRC officer team. Ted's a major contributor toward last February's Galactic Event in Richmond and next year's 2018 event. We're going to miss Ted a lot during our Officers Call deliberations!!!

The month of October started off with a visit to N4VA where I picked up an absolutely pristine 4 element SteppIR antenna. Although manufactured in 2006 it was not in the air for very long as the tubes looked like new in the box. Mike W4AAW obtained it from an SK in Kansas City and sold it to N4VA where it remained in long term storage until coming into my possession.

That's a perfect segue to W4AAW and the Blue Ridge Chapter. From a morning visit at N4VA we, Tom K3AJ and myself, journeyed up to Purcellville for a noon meeting with the Blue Ridge Chapter gang. I had an ulterior motive to attend this meeting. I had a well-deserved present for Mike; A President's Leadership Award plaque "For founding the PVRC Blue Ridge Chapter and for leadership in developing a world-class remote contest station". I recall giving Mike and the clan a lot of grief about commissioning a chapter there first wanting to see progress toward making a viable PVRC chapter in Purcellville using a remote contesting station as a drawing card. Mike persevered and sure enough the makings of a viable chapter became reality. The rest is history.

Later in the month Tom K3AJ and I journeyed to Annapolis for an evening meeting at Dan's K2YWE PVRC Annapolis Chapter. There I had the pleasure to present Alan WA3EKL with the President's Leadership Award plaque "For establishing a multi-op station used to train new contesters and supporting those who do not have their own stations". Alan is doing an extraordinary job at station building but also for recruiting new members. Alan is a VEC. This likely provides him with an opportunity to introduce contesting to new ham radio recruits.

Besides sitting next to Alan at the meeting I had the pleasure to be sitting opposite our new to PVRC husband and wife team inducted into PVRC at the meeting. Scott KS3O and his XYL Wendy K3TBT (she said it stood for "To Be Determined". I later learned that Wendy is the new W3AO Field Day GOTA administrator taking over that spot from Rich KE3Q. A better choice could not be made. Wendy has the right charisma and temperament for the job.

By now you should know that VP Dan K2YWE opened the PVRC Storefront where you may purchase PVRC logo shirts. With winter weather coming, Dan recently added

PVRC logo jackets in both mesh and fleece lined versions. Find it on our PVRC homepage under the Links tab.

Now it's time to see how all of us did in this month's contest arena - onto the Sports Page.

Since our last edition, the only 5M contest was the CQ WW RTTY, which featured a great PVRC turnout with 48 scores reported on 3830 and likely over 65 PVRC players including multiop participants. 15 meters came back to life for this one and some even made some QSO's on 10 meters. There are a lot of category options to play in this one. Let's start with the PVRC multiops. A big team at NR4M put up the #1 reported US score and looks like #2 world with 3705 QSO/5.4M. This was despite a couple of visits from Murphy (one of them described by Steve as one of the amps "going Krakatoa") but fortunately no calls to the local fire department were needed. There were also a couple of impressive M/2 entries from W4ML (at W4MYA) who is #5 in the US with 1597/1.6M and WA3EKL right behind in 6th with 1421/1.4M. PVRC took 4 spots in the top 10 in the competitive SO (A) AB HP category. N3QE led with a #3 spot (#8 world) with 1941/2/2M (not bad for a guy with just a single wire antenna!). W4PK took #6 with 1527/1.6M in only 25 hours, AB3CV was right behind in #7 with 1351/1.5M and KU4V at #10 with 1201/1.2M. K3ZU finished #8 in the US in SO (A) AB LP with 407/213K.

Good scores in the unassisted AB categories included W4JAM in HP, 808/779K, W4WWQ in LP, 315/172K and N4CF in LP 354/159K with a wire antenna only. Like all the CQ WW DX contests, a Classic category is offered with no assistance and a 24 hour time limit (but no, they don't require paper logs). W3LL appears to be #1 in the US (by a whole bunch) and #2 world with 1668/1.5M and AJ3M operating 4U1WB is #4 US/#9 world with 1129/774K (and we are all pulling for Masa to succeed in his appeal of what seems to be a ridiculous mistake disqualifying him). A couple of the QRP stalwarts showed up including KK6L's SOAB QRP entry with 195/50K and N4NQY in Classic SOAB QRP with 40/4K. Single band entries worthy of note include outstanding scores by K4FJ (SOSB 20 HP) at 924/336K and N3UA's SOSB 15 HP with 367/120K. N3HEE showed he is a man who knows how to take on a challenge (or has lost his mind) by entering SO (A) SB 80 QRP, where he made 66 QSO's for 2.1K. In the antenna challenged department, a shout out to both W4GDG and K4FTO who worked with indoor antennas. W2CDO made his first real entry in a RTTY contest - putting up a nice score and N4YDU made his first RTTY attempt in a long time.

There were PVRC members playing in several smaller contests in this period as well. The Makrothen RTTY contest is kind of interesting as the scoring is distance based. The popularity of this one seems to be on the rise and it appears that there were 13 PVRC scores. The top PVRC score was by RTTY maven W3LL in SO/Single XCVR HP with 501 QSO's/2.6M for the apparent US #1 spot. Others with good scores in this category included NR4M who made the top 10 US with just a 3 hour effort for 212/968K, N4DXS with 153/681K and W3GVX with 152/584K. In SO/Single XCVR LP, N3UA was the top PVRC score at 62/257K in less than 2 hours, followed by W8AKS with 80/226K and KG4USN with 72/220. Another PVRC perennial RTTY leader, K4GMH looks to be #1 world in SO/Multi XCVR/LP with 435/1.9M.

Seven of the PVRC RTTY usual suspects also participated in the JARTS RTTY contest. In SO HP, W3LL (651 QSO/311K) and N3QE (41/136K) made the US top 10 and N4CW put in a nice score with 252/51K. K4GMH scored another impressive finish with the #2

US and #4 world spot in SO LP with 481/164K. W3GVX, KS0CW and KG4USN also submitted scores in the JARTS.

The Pre-Stew was an opportunity for a few PVRC'ers to get the cob webs out of their 160 stations. In SO HP, the top PVRC score was by N1LN with 169 QSO/498 for the #2 US spot. K2AV was #4 with 160/389 and N3HEE was #6 with 179/363. In SO LP WJ9B was #2 in the US with 92/382 and KG3V was #5 with 67/190. AA4XX put up a great score in SO QRP with 56/282 for #2 in that category. WA4JUK, N3QE K4FTO, K1GG and KG4USN (@WA3EKL) also played in this one.

The PA QSO party generates pretty good interest in PVRC. While the results are not posted by the contest sponsor yet and it doesn't look like everyone uses 3830scores to report, here's what we have so far: N3WD and K3DUH mounted another one of their epic mobile rover entries, visiting many counties. We look forward to seeing their totals. Marty, W3YOZ manned the W3SO mountaintop pretty near the center of the state. We don't have his results either, but we believe he worked all counties in addition to making many, many QSO's. Of the results we have, K7SV is tops with 382 QSO/all 67 counties, followed by K000 (@W3RFC) with 327/67, N3A (N3HEE op) 123/42 (operating QRP), W3TB with 116/45, W4AU with 63/33 and K3WI on the air from his new DE QTH with 51/37.

That's a wrap for another month. Remember SS where PVRC Needs Your Help!!!

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,                                 |
| Vice President:              | K2YWE Dan Zeitlin  | K4ZA, K3WRY  |
| 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   |
|                              |                    | <b>PVRC Website: <a href="http://www.pvrc.org">http://www.pvrc.org</a></b> |

## Sweepstakes 2017 Resources – K3TN

**Dates/times:** CW: First full weekend in November (**November 4 - 6 2017**). Phone: Third full weekend in November (**November 18 - 20, 2017**). Contest Period: Begins 2100 UTC Saturday and runs through 0259 UTC Monday.

List of ARRL sections - [here](#)

Call History files – check out the PVRC NC site [here](#)

Log Due Dates – 5 days after each contest: November 11<sup>th</sup> for CW, November 25<sup>th</sup> for SSB.

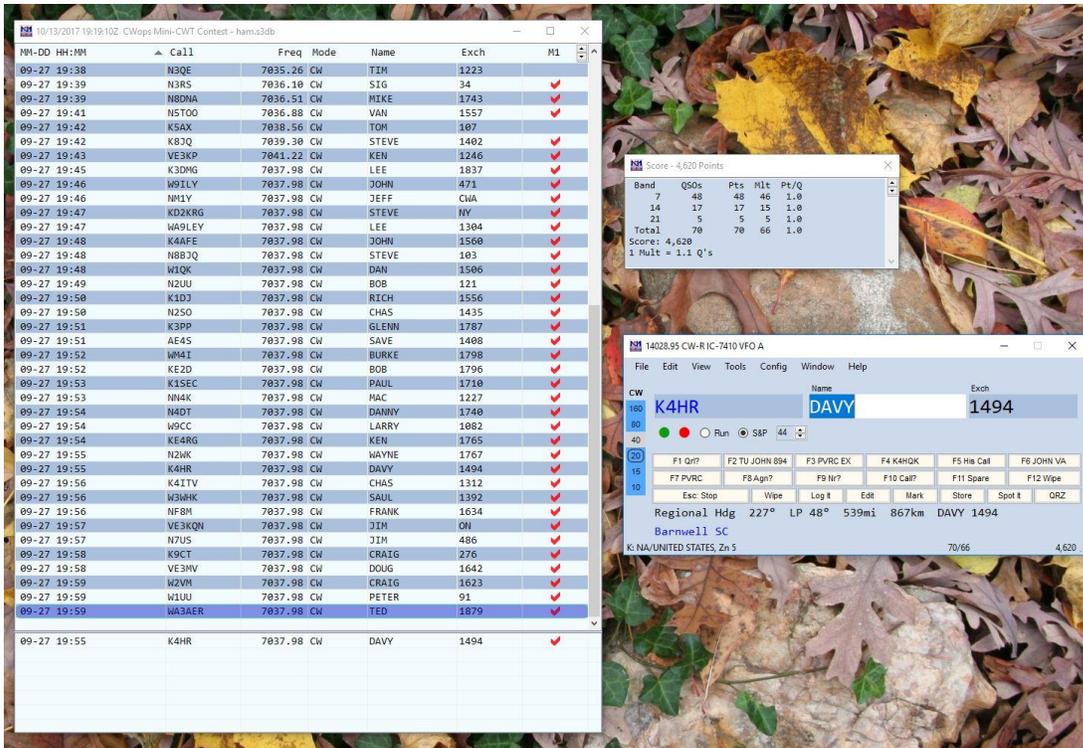
### A pretty good N1MM+ Function Key file for SS CW

F1 RUN CQ,<ss> K3TN K3TN <ss>  
F2 Exch,#~B \* 69 MDC  
F3 TU,TU \*{CLEARIT}  
F4 K3TN,\*  
F5 HIS Call,!  
F6 QSO B4,B4 \*  
F7 NR,# B  
F8 ?,?  
F9 NR?,NR?  
F10 CK?,CK?  
F11 Sec?,SEC?  
F12 Wipe,{wipe}

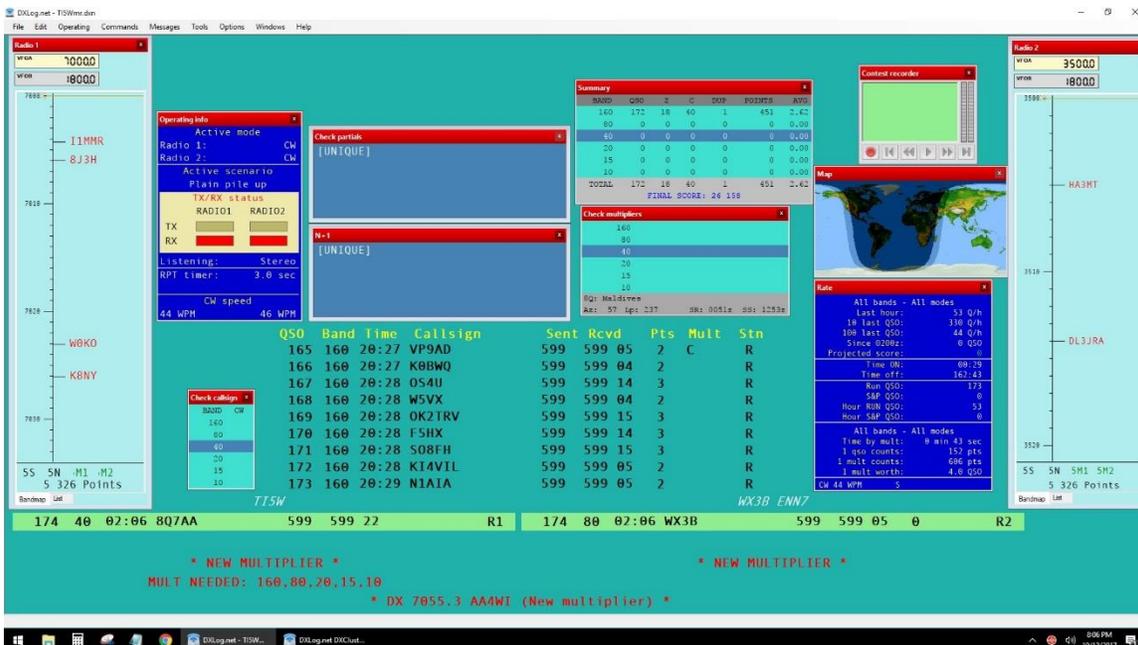
F1 S&P CQ,<SS> \* \* <ss>{CLEARIT}  
F2 EXCH,#~B \* 69 MDC  
F3 SEC,MDC  
F4 K3TN,\*  
F5 HIS CALL,!  
F6 CK,69



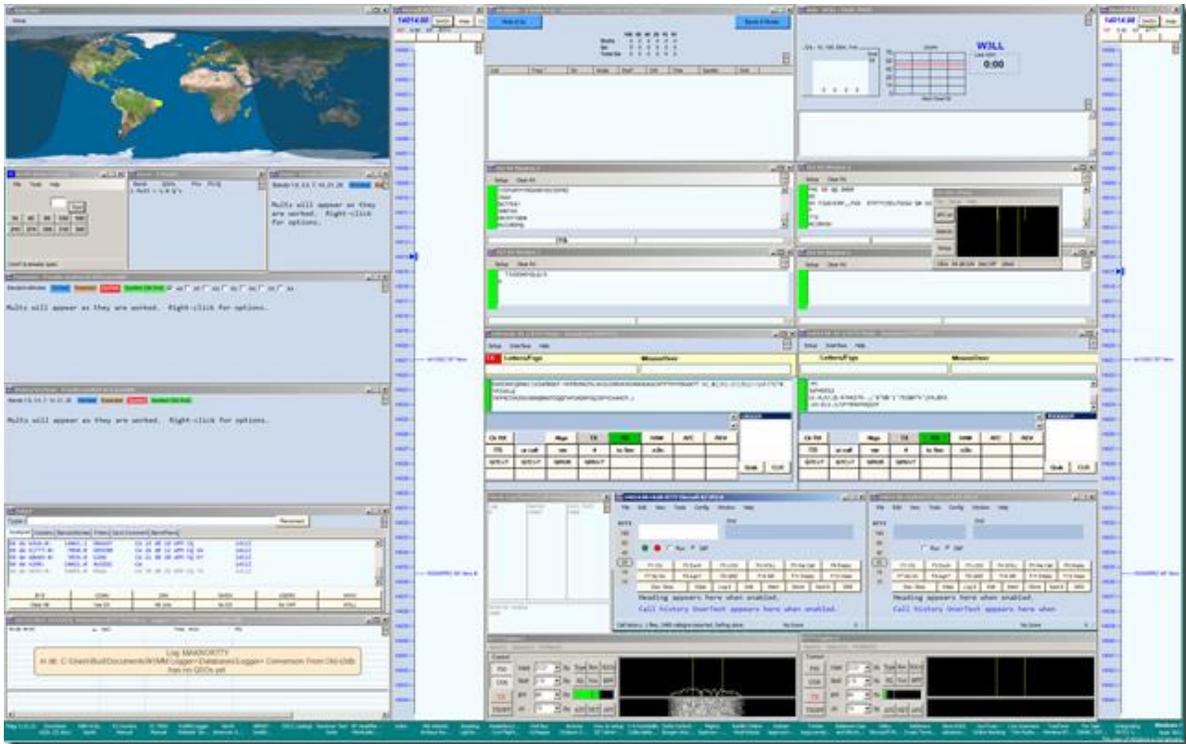




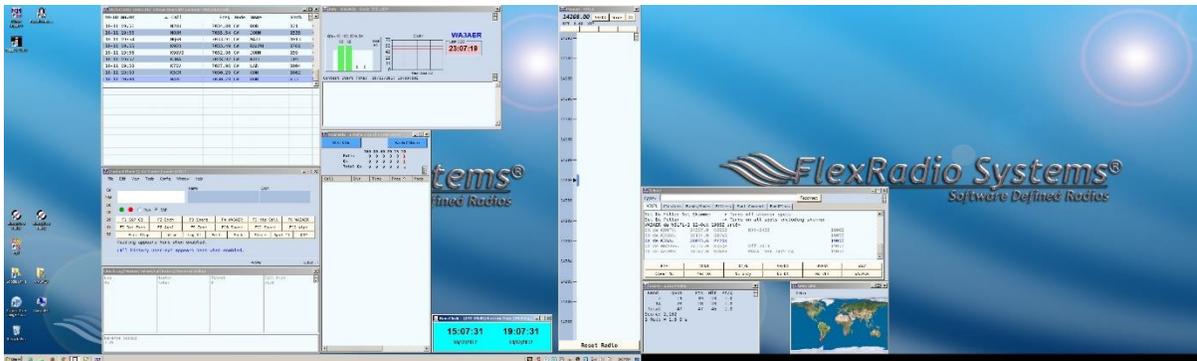
## John K4HQK



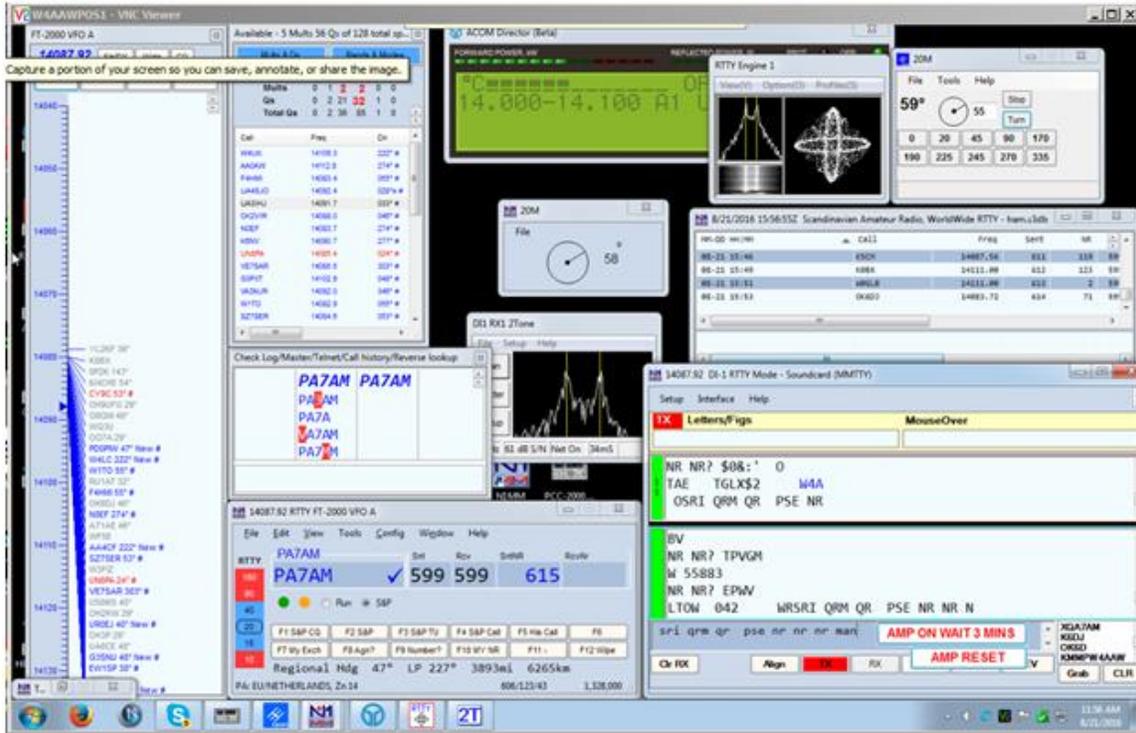
Chris KL9A via Jim WX3B - Attached is a screen shot of what I am using these days with DXLog. This is a dual Morse Runner setup but I turned on the DX Cluster to see those features in action. This way you can see what I see for the sent exchange, dupe and mult checking, and also the bandmap functionality.



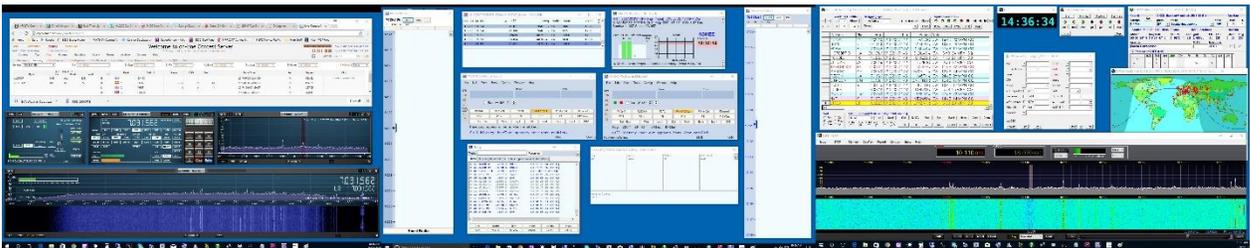
Bud W3LL – RTTY contesting on a 30" Dell monitor



Ted WA3AER – across two monitors



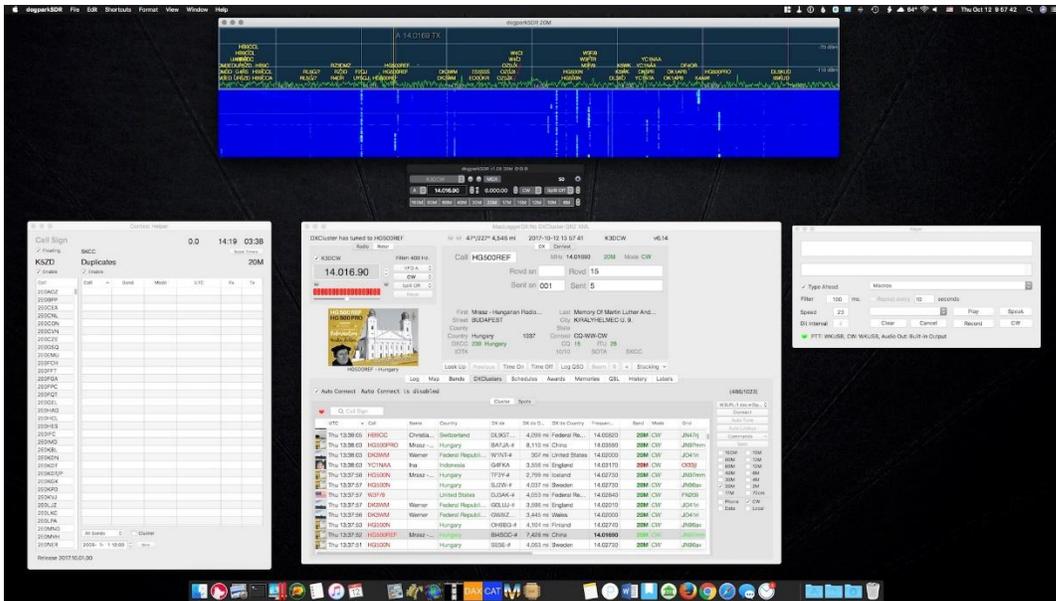
**Don AA5AU via Mike W4AAW** – Here's what W4AAW's resident RTTY wizard, Don-AA5AU sees at his New Orleans remote operating position. Don was operating in the SAC Worldwide RTTY contest on 20M.



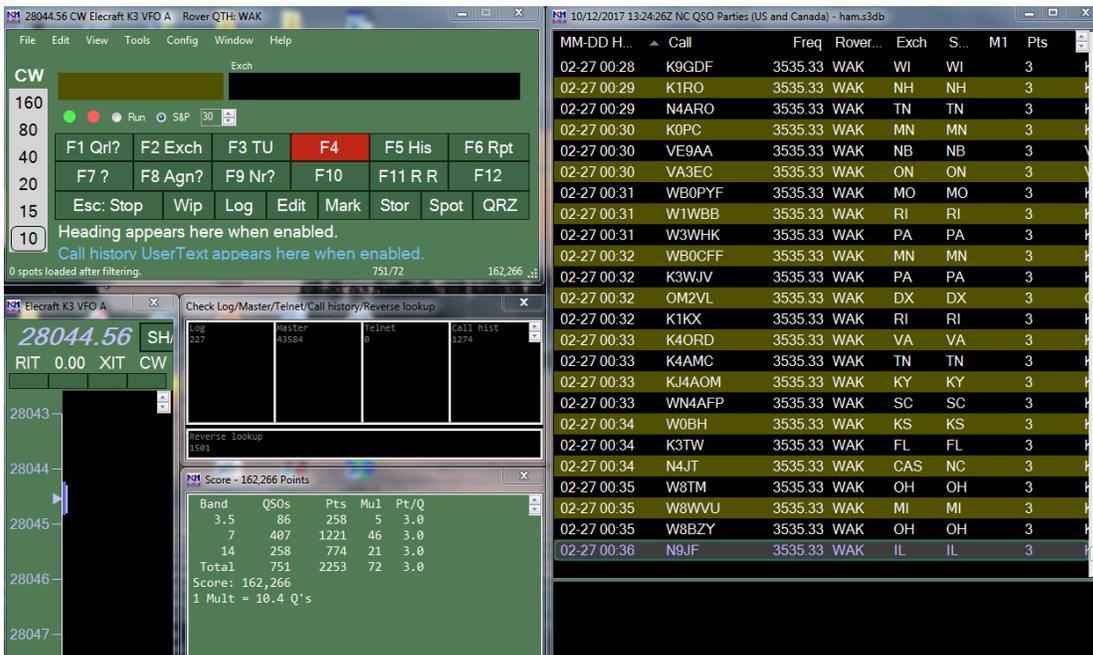
**Joe N3HEE** - Here is my SO2R CW contest screens. I use one computer to drive three 24 inch wall mounted monitors on swivels. The left monitor is panadapter for second radio and web browser for Live Contest Scores site. Middle monitor is N1MM windows. Right monitor is DX Labs Suite and panadapter for main radio. The monitors curve around me like a cockpit! I also keep my iPad Pro under the left monitor to use for email, web browsing or a TV monitor if things get slow. Amazing how things have changed since I started contesting back in 1976!



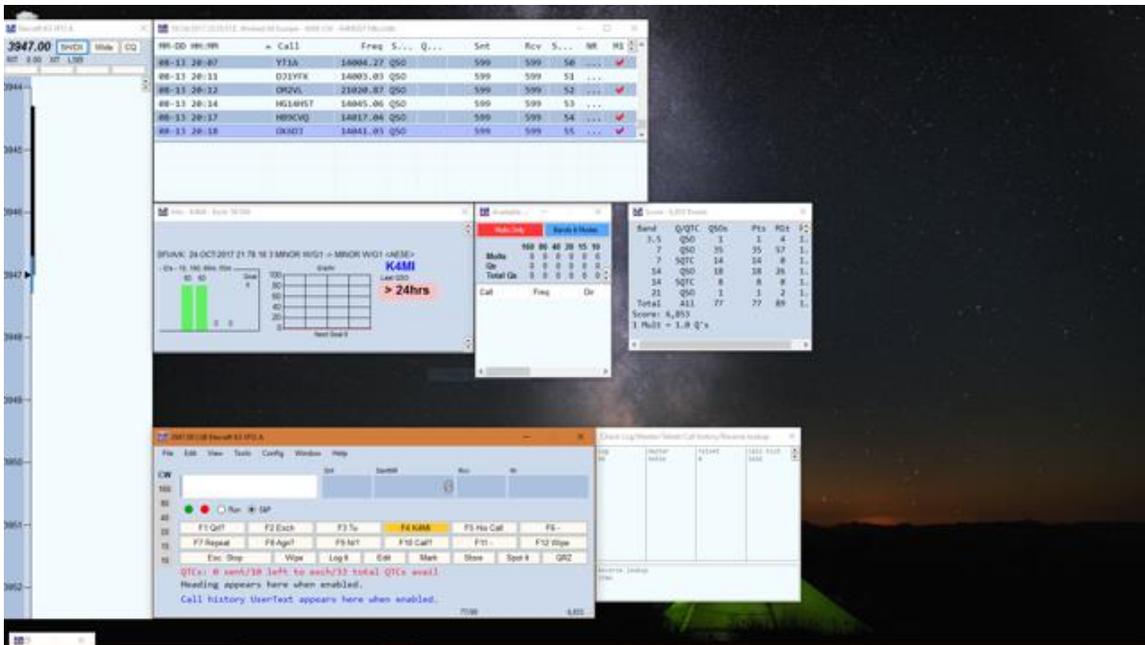
**Mark N2QT** - I keep changing looking for the best arrangement. These are for SO3R RTTY with waterfalls, so a bit more screen real estate needed than for cw/ssb. I use 2 or 3 pcs running a program called Synergy to allow sharing a single mouse and keyboard. WAE RTTY is the hardest on screen usage as QTCs take up a lot of room. Running multiple decode windows also takes up a lot.



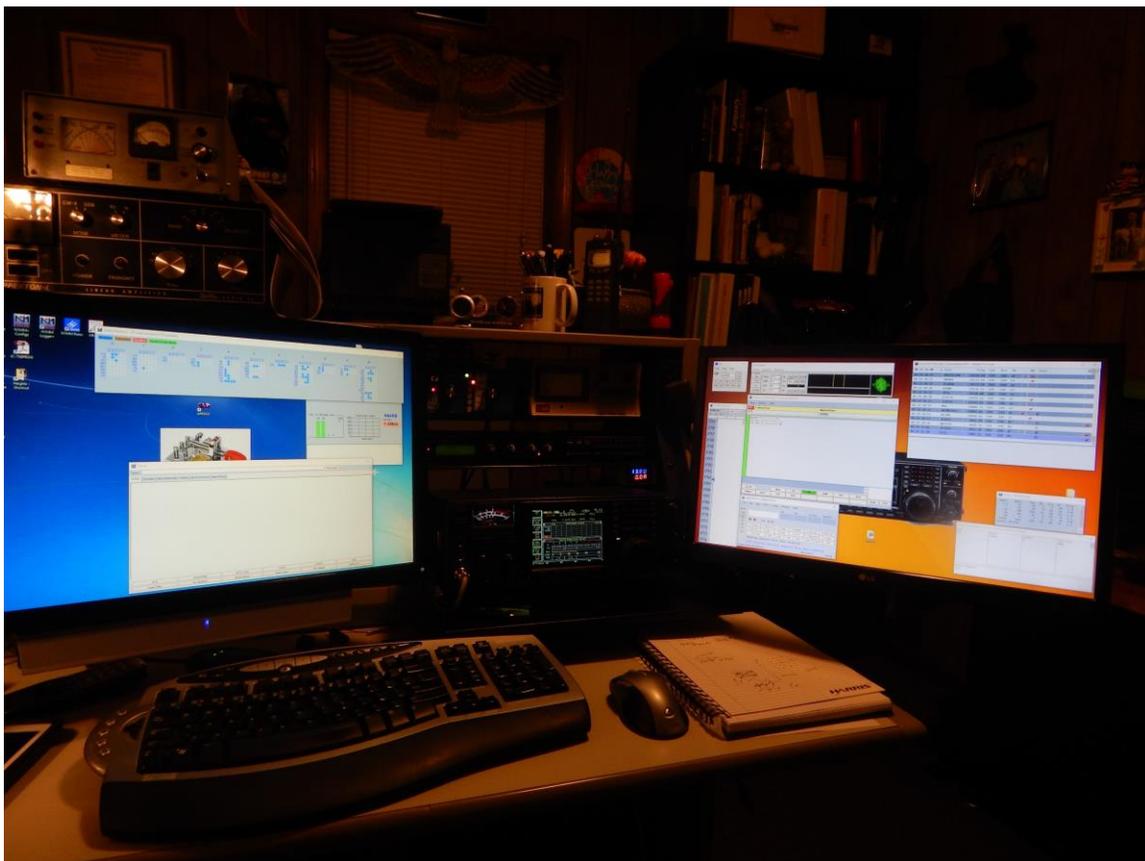
**Dave K3DCW** - I run a Flex 6500 with dogparkSDR and MacLoggerDX. MLDX can feed spots directly to the waterfall display meaning that I can see whether I can actually hear the station before needing to tune. This setup works wonderfully, although exporting logs from MLDX into CABRILLO format can be a bit of a hassle



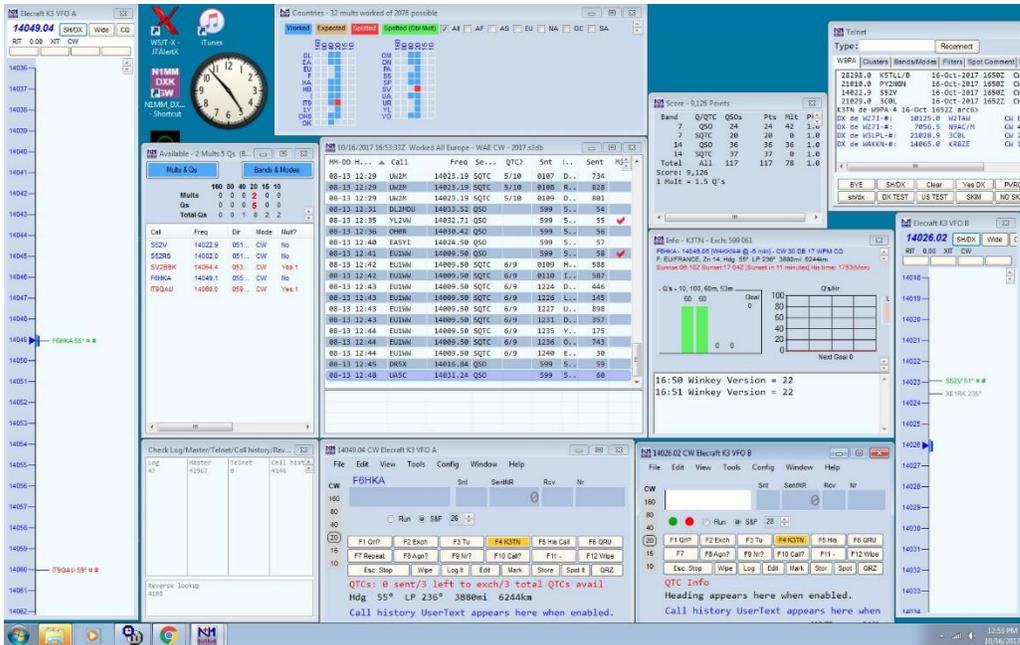
**Bert N4CW**



Will K4MI - I am running N1MM+ on Windows 10 on a 21.5 inch iMac in Boot Camp.



Rick NN4RB



**John K3TN** – My layout on a 24” display for running SO2V1A – Single Op 2 VFOs 1 Antenna. I find that’s a great mode when going gets slow in contests, as N1MM makes it very easy to work mults (or just new stations) on the right between CQs on the left.

|          |     |                      |    |    |    |    |             |
|----------|-----|----------------------|----|----|----|----|-------------|
| 7306 Pts |     | 2017 OCEANIA DX K3ZO |    |    |    |    | Mem = 72744 |
| 17:34:38 | 160 | 80                   | 40 | 20 | 15 | 10 | All         |
| CW QSOS  | 0   | 0                    | 0  | 0  | 0  | 0  | 0           |
| SSB QSOS | 0   | 0                    | 51 | 5  | 13 | 0  | 69          |
| CW Pfxs  | 0   | 0                    | 0  | 0  | 0  | 0  | 0           |

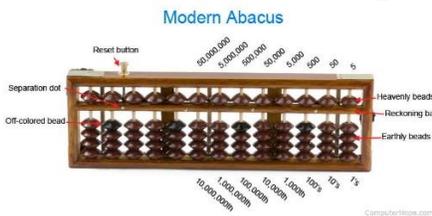
160CW 13-Oct-17 17:34 70 INSERT

Rig 1 35 WPM This hr = 0 Rate = 0

ENTER a callsign. SPACE for dupecheck. Alt-H for help.

F1/2-CQ F3-Ex F4-73 F5-Call F6-DECall F7-wkdb4 F8-Agn F9-? F10-keyboard CW

Last, but by no means least: **Fred K3ZO** - TR-LOG for DOS still works fine at K3ZO! 32-bit version of Windows 7 required, though.



How Fred calculates his score...

## Dealing With the Router Equivalent of a Solar Blackout – Jim N3JT

The modern world of ham radio includes a lot of technologies and equipment that most of us who started decades ago have had to learn, often limitedly. Our world no longer includes fixing our own transmitter by replacing a blown electrolytic or swapping out a tube. Rather, it's more like sending the gear to somebody who has the knowhow and equipment to fix it. Shipping these days is shockingly costly too, and labor rates for repair are high. Repair of a radio is never less than hundreds of dollars in most cases.

In winter I operate my Virginia station remotely from Florida and have done so for several years now. This involves two Remoterig boxes (RRCs) and some serial-Ethernet adapters, the latter for controlling the amplifier and rotator. I do not have a computer running in the remote location (Virginia). I connect the various station components to the router in my shack, the same router that provides all other Internet services in the house. The rig is a K3S and Expert 2K-FA.

I should mention here that I operate my Virginia station as though it were remote. That is, the K3/0 is my main "radio interface." It sends its data (frequency, mode, etc.) through the Control RRC to the router, which forwards it to the Internet. The data then come back to the router from the Internet and are passed to the Remote RRC and then to the K3S. I could hook things up in a more normal local mode but every time I do that I make some cabling error that costs me hours, so now I leave it all in the remote mode, meaning it's functionally like I am operating outside my house, though in fact I am sitting at the same desk with the radio gear.

The purpose of this article is offer a sample experience associated with maintaining this remote system. But it's also a reflection on our modern networked world and our dependence on it for everything, a dependence that is at times unsettling and frustrating.

A few weeks ago, Nina and I went off to Philadelphia for a long weekend. We stayed downtown with a former high school classmate. We also wandered to the fantastic Grounds Sculpture gardens near Trenton, NJ, and we saw a brand new museum in downtown Philly called the Museum of the American Revolution. To round out the weekend we enjoyed some fantastic meals in local restaurants. But while we were having a grand time, my Internet was having serious health issues. When we got home on Sunday, there was no Internet, no TV, no telephone. The router in the shack showed an orange light where a green light should shine, indicating no Internet from the ONT (optical network interface, in the garage). I went to the garage and saw two red lights where there should be green or white lights. I thought the ONT was faulty. I called Verizon using my cell phone to report my findings and tentative conclusion. Yes, I was hours on the telephone!! Finally, I was promised a repairman late Tuesday afternoon.

The repairman did not come at 3 pm as promised, but he did call me on my cell phone. He reported that he had found a loose connector at the fiber optic hub, several blocks away. He said he came by the house and saw all the ONT lights green again and knew I was back in service. Great. Well, almost great.

I turned on the K3/0, which should turn on the K3S. It did. But I heard no noise and "TERM" appeared in the screen of the K3/0, which says that there is no data communication with the K3S. What could be wrong? I checked the router, the ONT and

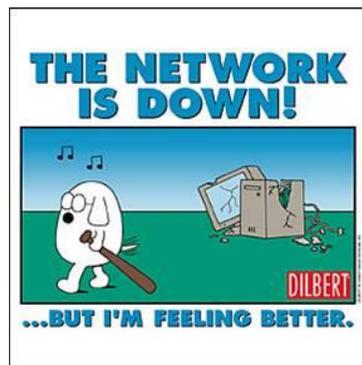
every cable I could touch. Everything seemed to be working fine. We had TV and telephone service (VOIP via Magic Jack). So what had happened? It took a long telephone call with an expert at Elecraft on the next Monday afternoon to figure it out. The first thing I found out was that even without complete data transport the K3S can be turned on and off, which was happening. At least the Internet was working (which I already knew because the TV and VOIP telephone were okay).

As it happens, I purchased my RRC boxes a few years ago. There were programmed with, among other things, port 5060 as one of the "streets" used for transporting data remotely. This port identification matched the router port-forwarding protocol, which assured correct data routing. I didn't know it at the time, but apparently coincident with Verizon's repair was some kind of forced installation of several ports in my router for Verizon's own voice services, to which I do not subscribe. Still, those ports included 5060, which conflicted with the 5060 my Remote RRC box was using. Result: no talkie.

I would never have noticed the problem but Brandon at Elecraft has seen this happen recently with other people and noticed the conflict on my router port-forwarding list. Newer RRC boxes come with 13000-series ports to avoid this problem. Assignment of ports is not regulated so there is no way to be sure what port a carrier or other company may choose to use for its service through your router. Once the new ports were installed on my router, everything worked as it had before the Verizon repair. I cannot prove that Verizon downloaded the 5060 voice-port that weekend, but there was certainly no conflict before that, and I had made no changes in anything.

This is just an example of the sort of problem that surfaces when one gets involved in networking, Internet matters, etc. Many of us have problems with our CATV and other communications providers that invariably cost us untold hours, frustration and annoyance. Ham radio is no refuge if you use remote operation! I should mention that in Florida I also have an R9 vertical atop a 20-foot pole, which works rather well. It's interesting to compare the signals between the two disparate locations when I am Florida!

None of this is reason not to embark on remote operation if that would fit your lifestyle. I can take my K3/0 anywhere in the world (if there is a router available) and operate my Virginia station. And overall it is all relatively reliable. Perhaps one day I'll go to a rare DX location and operate from Virginia. No, wait! I have that backwards. This Internet stuff so confuses me!



## Membership News – Tim N3QE

Since July, PVRC has added 17 new members. Please welcome:

- John W5ODJ, Howard KI4BNS, and Alex KU1CW in the Blue Ridge-Purcellville Chapter.
- Kevin W3XOX, Pete K3IN, Will K6ND, Pam K6NDV, Diane KE3TT, and Rico KC3JUJ in the Northwest Chapter.
- Jake KK6L in the North Carolina East Chapter.
- Linda KA2WIN in the Roanoke-Blacksburg Chapter.
- Ben K4ME, Spencer K4IMP, and Asa KH2N in the Tidewater chapter.
- Gunner KD4DEB in the Rappahanock Chapter.
- Wendy K3TBD and Scott KS3O in the Annapolis Chapter.

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

*Editor's note – below is a shot of new PVRCer Alex KU1CW. He and I recently had lunch at Ram's Head Tavern in Savage and I tricked him into trying the chicken and waffles "sandwich."*



## Upcoming Contests and Log Due Dates

### Contests This Month

- **Nov 4 – CW Sweepstakes!**
- Nov 11 – WAE RTTY
- Nov 11 – OK/OM CW
- Nov 18 – LZ DX
- **Nov 18 – SSB Sweepstakes!**
- **Nov 26 – CQ WW CW**

### Logs Due This Month

- **Nov 3 – CQ WW SSB**
- Nov 5 – UBA ON
- **Nov 9<sup>th</sup> – CW SS**
- **Nov 25<sup>th</sup> – SSB SS**

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

## The Editor's Final Word – John K3TN

Thanks to all who submitted screen shots and to N3JT for his article. Send photos, soapbox items, hints and kinks, whatever you got, to jpescatore at aol dot com.

See you in Sweepstakes!

## 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](#)

**Blue Ridge Chapter of PVRC** will welcome members and visitors. Always 1st Thursday at noon.

**Place:** Smokin Willy BBQ, 201 N. Maple Avenue, Purcellville, VA

Contact: Mike [W4AAW](#) - [571-510-2535](#)

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!

**QSL CARDS By LZ1JZ**

**WWW.LZ1JZ.COM**



By Scott KA9FOX

- Free Ham Radio Classifieds (most popular ham swap site)
  - Low Cost Web Hosting, Email & Domain Name Services
  - Web Design & Development
- <http://www.QTH.com>



## 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.*

**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.*

Get a free two week trial of The Daily DX and The Weekly DX by sending a request to [bernie@dailydx.com](mailto:bernie@dailydx.com).

The Daily DX  
3025 Hobbs Road  
Glenwood, Maryland 21738  
Phone: 410-489-651  
Skype w3ur-bernie

# Upgrade Your Shack for Contest Season!

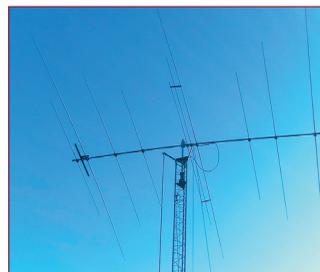


## HF Amplifiers

ACOM has built a reputation among serious HF contesters for its high performance Amateur Radio gear. Nowhere is this more evident than with ACOM's stunning line of RF power amplifiers. See detailed features and specs on the entire ACOM lineup right now at DXEngineering.com. A special handling surcharge per item applies on oversize items—ask your sales rep for details.



DXE-2X7



DXE-3X10

## 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. Aluminum tubing and stainless steel hardware make the antenna strong, with an overall weight of only 75 pounds.



The 17/12M Skylark also has no moving parts, making it extremely reliable and easy to install. It requires no tuning, so you can switch bands in an instant. A special handling surcharge per item applies on oversize items—ask your sales rep for details.



## Hamplus Products Available at DX Engineering

Hamplus makes innovative RF and control switching components tailored to the Amateur Radio community. The Hamplus line includes smart Control Consoles and Antenna Switches that can read data from the radio and memorize antenna selections. The company is based in Brazil, but now in an exclusive arrangement, North American operators can order Hamplus products through DX Engineering.



## RTR-2 Modular Receive-Transmit Interface

The new RTR-2 is the safest solution for adding a separate receive antenna to a transceiver that doesn't have a dedicated receive antenna port. This fast receive-transmit relay switches between antennas without worry. It has a unique failsafe keying input plus a new amplifier key out. Sharing main antenna with SDR receiver/display using optional external splitter is easy, or use it as a T/R switch for boat anchors. More new RTR-2 features include Bias-Tee for active vertical or magnetic loop antennas and three internal slots for new plug-ins. Search "RTR-2" at DXEngineering.com for complete details.

Email Support 24/7/365 at [DXEngineering@DXEngineering.com](mailto:DXEngineering@DXEngineering.com)

HA5AO KØIR LA6VM W6IZT  
JR4OZR K9CT WØGJ N4GRN  
EY8MM PA5M LA9DL N9TK  
NM1Y UA3AB N6HC WB9Z  
K4UEE VA7DX VE7CT W8HC  
NV9LZ

THE BOUVET ISLAND DXPEDITION 2018



Proudly Supports  
the 3YØZ DXpedition



### Showroom Staffing Hours:

9 am to 5 pm ET, Monday-Saturday

### Ordering (via phone):

8:30 am to midnight ET, Monday-Friday  
8:30 am to 5 pm ET, Weekends

### Phone or e-mail Tech Support: 330-572-3200

8:30 am to 7 pm ET, Monday-Friday  
9:00 am to 5 pm ET, Saturday  
All Times Eastern | Country Code: +1  
[DXEngineering@DXEngineering.com](mailto:DXEngineering@DXEngineering.com)

**800-777-0703 | [DXEngineering.com](http://DXEngineering.com)**

\*A special handling surcharge per item applies to oversize items, truck freight fees are charged for products that are too large or too heavy for regular ground service—ask your sales rep for details.

# HAM RADIO OUTLET

WWW.HAMRADIO.COM

**MULTI-STORE BUYING POWER!**

**ICOM**



**IC-7600**  
All Mode Transceiver



**IC-7200**  
HF Transceiver



**IC-7100**  
All Mode Transceiver



**ID-5100A Deluxe**  
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



**FT-450D**  
A100W HF + 6M Transceiver



**FTM-400XD**  
2M/440 Mobile



**FT-60R**  
2M/440 5W HT

**5 Ways to Shop!**

- **RETAIL LOCATIONS** – Store hours 10:00AM - 5:30PM - Closed Sunday
- **PHONE** – Toll-free phone hours 9:30AM - 5:30PM
- **ONLINE** – WWW.HAMRADIO.COM
- **FAX** – All store locations
- **MAIL** – All store locations

**HRO is family owned and operated by active hams!**

ANAHEIM, CA  
(800) 854-6046

OAKLAND, CA  
(877) 892-1745

PORTLAND, OR  
(800) 765-4267

PHOENIX, AZ  
(800) 559-7388

MILWAUKEE, WI  
(800) 558-0411

WOODBRIIDGE, VA  
(800) 444-4799

PLANO, TX  
(877) 455-8750

BURBANK, CA  
(877) 892-1748

SAN DIEGO, CA  
(877) 520-9623

DENVER, CO  
(800) 444-947

ATLANTA, GA  
(800) 444-7927

NEW CASTLE, DE  
(800) 644-4476

SALEM, NH  
(800) 444-0047

ONLINE STORE  
WWW.HAMRADIO.COM