



The North Florida DX Association

PileUp

The NFDXA Monthly Newsletter



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Volume 8 Number 3

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<http://nfdxa.com/>

VP5DX Team Prepares for 2016 CQ WW SSB Tower Repair Parts, Equipment and Tools shipped to VP5DX New member joins team for 2016 effort



2016 VP5DX Team (l-r) Capt Ron, N4KE; Steve, AB4UF; Jimmy, NU4Y, Mike N4EPD and Dr. Jay, AA4FL

As this issue of the NFDXA **PileUp** is being readied for release the 2016 VP5DX team is departing on the first leg of their annual trip to Whale Watch on Middle Island in the Turks and Caicos to operate in the CQ WW SSB Contest. You can read all the details of their advance planning and expected site preparations plus anticipated repairs in team member NU4Y's column, **The World According to NU4Y** on page 5.

American Legion Post 202



The October NFDXA meeting will be 5 pm October 15 at the American Legion Post #202, 7441 SR 21 Keystone Heights 32656.

Menu will be catered with Ribs, Pulled Pork, Reubin Sandwiches and Shrimp plus the fixings and a cheap cash bar.

From junction of SR 21 & SR 100 in Keystone, go north on SR 21 to the Legion Hall which is a 1/4 mile up on the right.

The Road to Working Them All Part 2 - Brian Alsop K3KO

NFDXA member Brian Alsop has worked them all and is a current Number 1 DXCC Honor Roll. The **PileUp** asked Brian to compile an article detailing what it took for him to achieve DXing's highest honor. Last month Brian covered his earliest beginnings on 40 and 15 CW, then moved to needed skills and equipment. The series concludes with an overview of pileup techniques, DX propagation and antennas.—Editor

Pileup Technique

If the DX station is working split (95% of the time), find out. DON'T TRANSMIT ON THEIR FREQUENCY. It's all about when and where to call. IF THEY ARE NOT CALLING YOU, SHUT-UP. Successful technique is a learned skill. It takes practice, patience and determination.

(More on page 6)

NFDXA Members Report Less Damage than Expected from Hurricane Mathew

Despite the devastation shown along the northeast Florida coastline particularly in Jacksonville Beach and St Augustine, most NFDXA members who've checked in as this issue for the PileUp is set for release report little or no significant damage from the passage of Category 4 Hurricane Mathews. Steve, AB4US who is heading to VP5DX says his HF antennas are OK but he lost some of his wire arrays when a tree came down in his yard. Power is still out in many areas of Jacksonville.

The Deserving will work the DX. All others will call in vain...

**President**Mike Garcia, W1FO mike6t7@cfl.rr.com**Vice President**Warren Croke, NW4C nw4c@cox.net**Acting Secretary**Richard Hicks, K4UTE k4ute@comcast.net**Treasurer**Jim Hughes, KC4FWS kc4fws@comcast.net**Executive Committee**The Executive Committee consists of the elected officers of the Association <http://www.nfdxa.com>**NFDXA PileUp Newsletter**Warren Croke, NW4C nw4c@nfdxa.com or nw4c@cox.netSend **PileUp** stories, and photographs to nw4c@cox.net**Meeting Attendance September 17, 2016**

Jay Garlitz	AA4FL	Joe Barnes	N4JBK
Steve Brown	AB4UF	Ron Blake	N4KE
John Hale	AC4ET	Dale Conner	N4NN
Larry Bostic	K3LB	Victor Moore	N4QK
Larry Junstrom	K4EB	Billy Williams	N4UF
Dick Hicks	K4UTE	Dave Mains	NO4J
John Silberman	KB4CRT	Jim Iori	NU4Y
Jim Hughes	KC4FWS	Warren Croke	NW4C
David Smith	KI4DLS	Walter Cox	VP5YZ
William Walker	KX4WW	Mike Garcia	W1FO
Cory McDonald	N1WON	Bob Lightner	W4GJ
Greg Wilson	N4CC	Steve Barber	WA4B
Mike Parnin	N4EPD	Dick Knox	WR4K

Total Members Attending 14 Guests 4**Notice to NFDXA Membership**

Keep your records up to date. All NFDXA members are requested to go to the club web site and check their entry on the on the NFDXA Roster page. If any changes in address, e-mail or other information are needed please notify NFDXA Acting Secretary Dick Hicks, K4UTE@comcast.net.

President's Message - Mike Garcia, W1FO

Hello NFDXA Members. As I sit here writing this short note, I find myself gazing over at the TV and wondering whether my antennas are still going to be up by the end of the week. Hurricane Mathew is churning away in the Caribbean and slowly making her way up the coast towards Palm Coast. The DX activity has been bad enough on the high bands so I certainly don't need my antennas damaged as well. One of the best ham radio decisions I ever made was to add a Hazer system to my tower. My HF beam has been lowered and I will spend the next few days relying on my wire antennas and Stepper Big IR Vertical for fun, unless I have to evacuate like they are saying on the news.

That said I still have my inverted Ls for 160 and 80 so I can still have fun. The summer noise on the low bands is slowly starting to subside. My friends and I have returned to our daily rag chewing schedule on 160 and I have started to here and work Europeans. So far it has just been run of the mill stations so to say. But, if current activity is any indication, activity on 160 should be good this winter season.

On another topic, I am happy to announce that we have plenty of members who have stepped up to serve as Officers for 2017. **Bob W4GJ, Ron N4KE, Richard K4UTE and Jim KC4FWS** have all agreed to lead our Club this coming year. I want to thank each of them personally for taking up the challenge.

— Mike W1FO



Mike, W1FO

Minutes of 17 Sep 2016 Meeting - American Legion Post 202 in Keystone Heights



Meeting was opened by W1FO, President at 1810 hrs local with 13 members and 2 guests present. Members present were: N4KE, W1FO, KC4FWS, AB4UF, NO4J, K3KO, K4EB, AA4FL, N4EPD, NU4Y, W4GJ, NW4C, KB4CRT and guests Dick, W4PCM and prospective member Dave, K4EDO

Treasurers report: \$737.18 account balance with two expenses for the NF4L tribute and Hospice donation.

Old Business – Bob Lightner, W4GJ reported on the NF4L memorial award presentation.

Jim Hughes, KC4FWS reported on status of NFDXA website transition. Jim is working with

Mike's wife Bonnie to transfer account for web host (Host Gator). The domain account with Go Daddy has been reset and accessed. Everything for access should be completed in next couple of weeks. Dave Mains, NO4J has agreed to take a look at everything once access is complete and will advise us on how to proceed to separate the NF4L and NFDXA sites to protect the current structure and content.

Officer candidate selection – Steve Brown, AB4UF and Mike Parnin, N4EPD reported on the potential candidates for offices up for election in November. Bob Lightner, W4GJ has agreed to run for President and candidates for VP and Secretary are not yet available. Steve and Mike will continue to canvas the membership for additional candidates.

PileUp - Everyone thanked and applauded Warren Croke, NW4C for another great Pile Up newsletter. Comment was also made about the great article Brian Alsop, K3KO submitted. Everyone is looking forward to reading the next part.

New Business – Ron Blake, N4KE gave a report of the status of the VP5DX trip. All the equipment, parts and material to repair the tower and antenna has been shipped to the islands.

Next Meeting host will be Mike Garcia, W1FO. Arrangements were made to hold it on 15 Oct at the same location. Everyone thanked Ron for arranging this month's meeting place. We all thanked the folks at American Legion Post 202 for the fine service and meal prepared for the group. The buffet of BBQ ribs, pulled pork, beef subs, reubin sandwiches, beans, slaw, rolls and cheese bread was fantastic. The frosted mugs of cold draft beer for \$1.25 were great too.

Meeting adjourned at 1835hrs local.

Respectively submitted,

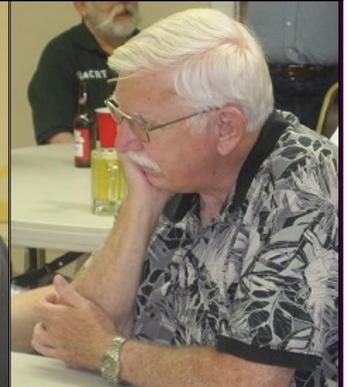
Jim Hughes, KC4FWS



Meeting Pictures



September 17, 2016



NW4C Photos

Top row l-r: Jim, NU4Y; Dr. Jay AA4FL; Larry, K4EB; Jim, KC4FWS . Second row: Group gathers around tables to convene the September meeting. Third row: Mike, N4EPD and Bob, W4GJ; Mike, W1FO; Guest Dick, W4PCM and Brian, K3KO; John KB4CRT. Bottom row: Meeting ; KC4FWs & W4PCM; Dave K4EDO joins NFDXA, Capt Ron, N4KE

The World According to NU4Y

The VP5DX group had a final meeting before we leave on the 16th of October. The group consists of N4KE, AB4UF, AA4FL, N4EPD and NU4Y. Here is a list of the work that must be performed before we get on the air.

First of all, the tower is down due to rusted out mounts at the concrete. New mounts were fabricated by AB4UF out of aluminum and will be installed. We will drill out the concrete, install threaded rod with epoxy and install the mounts. The end of the rotor cable at the rotor fell apart, and new parts will be installed.

The antenna was damaged and we believe we have purchased and shipped all the parts needed to repair the A4. The Icom 756 Pro was repaired by me and shipped already. The controller printed circuit board for the TS-950SD was also repaired (but untested) and will need to be installed and checked. The printed circuit board for the IF-232 to USB unit for the Kenwood will need to be installed. RF cables were fudged together on the last trip; new UHF connectors were shipped and will need installation. Some of the led's on the antenna switch box had failed and will need replacement.

Three laptop computers were purchased at the Orlando ham fest in February and a new high-gain RF antenna was purchased for Wi-Fi will need to be installed. Also parts for a long range guess on what is wrong with the IC-738 have been purchased and will need to give that a shot. The CT-17 interface will have a socket installed to make replacement of the MAX232 chip easier next time it needs to be replaced. A CT-17 to Usb cable was purchased as a backup and incase we need to use 2 Icom radios. Parts were purchased to repair the Heil headset's boom mount.

Of course we will need to put up the tower for the other tri-bander, the I60 Inverted -L, 40 meter vertical, 80 meter delta loop, Gap Voyager vertical and the beverage antennas. Also need to do the grocery shopping, pick up the gear already shipped and pay for it all. Shipping and duty for the equipment waiting on us in Provo was \$650. This will all be a piece of cake with this crew.

Jay AA4FL is planning on a satellite operation. He has been practicing on FO29 and AO73 already making contacts. He said maybe will try AO7 also. Someone suggested that it has been 10 years since anyone has made any Satellite qso's from VP5. I have left out a lot of the details, must have something for next month. We might even have some pictures, if we can stop working long enough to click a pic. Hope to work everyone during the contest.



Jim NU4Y

— Continued on page 9

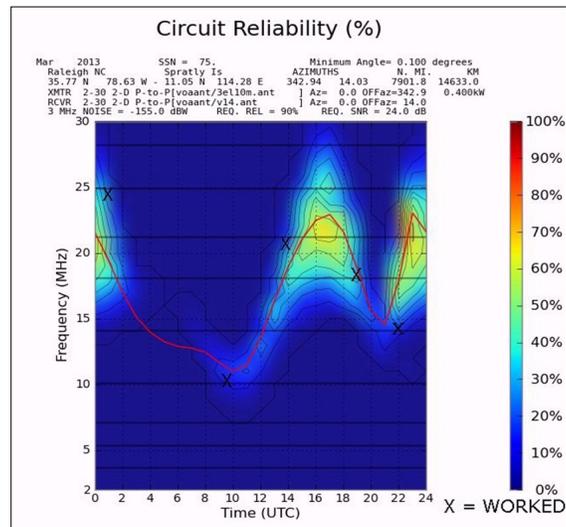
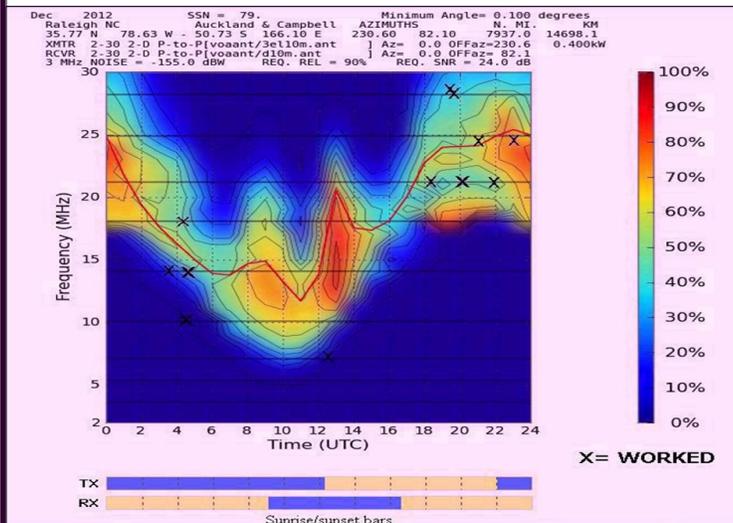
The Road to Working Them All - Part 2 (continued from page 1)

Not all pileups can be cracked at all times. How long to crack a pileup? Minutes to hours to days to never.

Propagation

It pays to know what band and times that a path is open to the intended DX.-- especially DXpeditions It used to be an acquired art. No longer. There is an Internet program called VOACAP that can generate this information between any two places in the planet. The link is: <http://www.voacap.com/prediction.html>

Two sample plots of output is shown one is for Spratley Island,. The other is for ZL7. The Maximum Usable Frequency curve is shown along with the "Circuit Reliability" for the path. Ham stations can generally work station at frequencies at least a couple MHz above the MUF. The plots also show X's. The X's are where and when the station was actually worked. The correlation is quite good.



Hearing the station

You can't work them if you can't hear them. It turns out that especially on 160-40M, special receive antenna can immensely improve one's ability to receive. Antennas such as Beverages, EWE's, pennants, flags are close to the ground antennas that produce better signal/noise ratios. The signals may be down 10-30 dB but you can actually hear the stations because of the improved S/N ratio. Most receivers have enough reserve gain on these frequencies to make up for the signal loss. If not, outboard preamps can be employed. Your receiver must have either a provision for RX antenna input. Otherwise some external switching is required. Beverages for 160M are 500 to 1500' long! EWE's, flags and pennants are more reasonably sized. There is an odd receive antenna called a BOG. It is a "low" Beverage that lays on the ground. Sometimes it works. It's worth a try before installing something more work.

Non-CW modes

You might have noticed that much of the above discussion is CW centric. There are reasons for that. Miles/watt is one. Modes such as SSB and RTTY seem to have degenerated to shouting matches where might makes right, IMHO. One still can use panadapters and DX Clusters. Good technique just doesn't help as much. Obtaining my Honor Roll plaques on SSB and RTTY would not have been possible, in my opinion, without legal limit power and decent antennas. Assuming it is a game of dB's, what can one do to get them. The next sections discuss dB's

dB's

A decibel dB is a logarithmic ratio of powers or voltage. This formula defines a dB for power ratios: $\text{dB} = 10 * \log_{10}(P1/P2)$

The log function is the base 10 function. Remember high school algebra?

Some examples;

3 dB is a P1/P2 ratio of 2

6 dB is a P1/P2 ratio of 4

10 dB is a P1/P2 ratio of 10

20 dB is P1/P2 ratio of 100

30 dB is a P1/P2 ratio of 1000

1 dB is the minimum perceptible change in signal strength detectable by humans.

Contesters and ardent Dxers would kill for a few extra dB,

(Continued on page 7)

The Road to Working Them All - Part 2 (continued from page 6)

Ways to get more dB's transmit side

Raise power - The typical 100 watt station can gain 12 dB by going to 1500 Watts. Going to 500 Watts picks up 7 dB. You don't have to climb to get this. Easier to fix when fails.

Antenna - Going from a dipole to a typical tribander gains about 4 dB. Doubling gain requires doubling the number of elements. Going from a 2 element to 3 element beam gains almost nothing. Don't put up antenna(s) than you can't fix or quickly get fixed. A broken antenna or one on the ground doesn't work much DX. Crews and cranes are fine if you can afford them. However, scheduling them gets to be a problem. How many tribanders have you seen in disrepair on top of their tower?

I want another one of these. (4 element 4 band quad mounted on a Hazer on a 70 foot tower)

Reduce feedline loss- Feedline loss increases with frequency and length.

For example: RG58 coax has a 2.4 dB loss/100' on 15M
: LMR-400 has a loss of 0.6 dB loss/100' on 15M

Evaluate the losses of all feedlines. A rule of thumb is to try and keep < 1 dB
Spend money on good coax. You wouldn't water your lawn with a leaky hose.

Tuners - Non resonant antennas used with tuners can introduce significant loss.

Some commercial tuners can exhibit 6 dB of loss when the load impedance is low.

There is another gotcha with using an in-shack tuner. The SWR on the coax introduces Additional loss. Using a 20M vertical on 40M would produce a feedpoint SWR of 4:1.

If 100' of RG8X is used, the coax loss is 1 dB. There is an extra 1.2 dB loss due to SWR If the tuner adds 6 db, the net loss is 8.2 dB. 85% of the power is lost. People trying to use really short antennas on 80 or 160M will see much more. Furthermore not all tuners are created equal. L network tuners (a single coil and capacitor) have only one setting which will match the antenna. Generally these tuners can be low loss. The T-type tuners have multiple match solutions. Some are very high loss. You have no way of knowing whether you have a low loss or high loss match.

Eliminate tuners when possible or evaluate the losses. Alternatively use a remote tuner at the antenna base.

Antenna height - For horizontal antennas generally the higher the better. It is possible to pickup 10 dB "gain" by going from a low antenna to one at a more optimum height. Determining optimum height is complex involving frequency and the path length of interest. EZNEC and other antenna modeling programs allow one to model antenna height effects.

QTH - Most of us can't move. If you can, hilltops are better than valleys. Having a vertical antenna within 1/4 wavelength of salt water outperforms most horizontal antennas. If you do move, don't do what I did: Move from 4 acres of tall trees, three towers and four 500' beverages (property bordered on two sides by 1000 acres of Federal land) to a 0.16 acre lot. You'll join the 20 db down club..

In-line connectors, switch boxes, lightning connectors- Losses are additive. Generally low at HF. At VHF and above these can be come important losses.

Vertical antenna ground losses - The other half of a vertical antenna is the lossy ground. Using a single ground rod for the ground side guarantees it will perform 15 dB or more below a dipole. Unless you have a salt water ground, radials of some form are required. There are all sorts of rules of thumb and misinformation on how many/how long is needed. Keeping ground loss <3 dB (especially for short verticals) is difficult. One generally needs 4 or more elevated radials and > 16 buried radials. Much of the low radiation angle benefit verticals claim is lost with unsatisfactory ground side radials.

Be Retired- Many dB can effectively be gained by being retired. This comes about because many of the big gun operators are at work. Pileups are smaller. Your chances of succeeding improves. You also have more time to find and work the stations of interest. Being retired almost guarantees that you will be up a couple times at night to check on the bands.

(Continued next page)



The definition of "rare" is one that neither you nor any of your friends have.

Working Them All — Conclusion

Get more dB's on receive

RFI from most electronic devices can drown out the signals you want to receive. Turn off circuit breakers one at a time to identify circuits in your house having noise sources. Identify individual sources on the identified circuits. Sometimes ferrites on appliance leads can help. Use Mix 31 ferrites for HF. The benefit increases as the square of the number of turns on the ferrite.

Switching power supplies, including the ubiquitous “wall wart” can be big RFI generators. Try and find non-switching supply replacements

A dishwasher I had also required an commercial AC line filter in addition to ferrites. Any appliance with a variable speed DC motor these days is a potential source of RFI.

External sources are more difficult to resolve. Sometimes power companies can help. Finding and curing external sources is a large, complicated topic that won't be discussed here further.

Some receivers have insufficient gain at higher frequencies (would by believe the ELECRAFT K3 on 12,10 & 6M?). Adding a preamp at the receiver terminals can often help.

Other digital modes

Lots of guys these days are working DX on PSK and JT65/JT9. I've played with both. Handling pileups would be impossible. Both modes get a good miles/watt ratio. Cluster spots are impossible to find. JT65 is a minimum 5 minute/QSO mode. It does succeed in pulling out DX buried by 6 or more dB. Some guys are resorting to 1.5 KW JT65 on 160M to work a few new ones. Like other modes there is a power escalation war going on. These modes were generally meant to allow communications at tens of watts.

With increased competition, more and more stations are increasing power. Unlike other narrow bandwidth modes, current users keep their receiver bandwidths at 2.5 KHz or more. These strong stations capture their AGC and the weak stations they were trying to work disappear. They apparently don't know about tuning for stations and narrow filters yet.

6M Dxing!

In a word, “frustrating”. The “magic band” is misnamed. One KI station called it ‘sick’ meters. Use of a DX cluster is absolutely necessary. here also is a web chat page where active stations congregate and skeds made when the band is open. Be prepared to listen to a lot of noise and few signals. It took me 4 years with a 6 element beam and a KW to get DXCC. DXCC is easy to work in a contest weekend on HF. FL hams are in a better geographic location to work into EU and SA than I was in NC. In the rare openings to JA, FL and TX stations were working tens of stations. In NC, I was only able to work one, ever. If you don't work CW, good luck.. JT65 and PSK are becoming more common on 6M.

If you are in Europe, it is a different story. 100 countries are effectively within one E-skip distance. This is why EU stations are at the top of the ARRL DXCC Challenge Award. They can work far more 6 M countries than any NA station ever can without resorting to moonbounce..

Getting the QSL-

Join LOTW

When using US QSL managers, use stamped self-addressed return envelopes. Kick in an extra buck or two to defray costs.

Foreign DX QSL managers. The US no longer sells IRC's. One generally has to send US \$\$\$. This process is theft prone. Some QSL managers demand excessive \$\$\$. Enclose a self addressed envelope. It's a crap shoot.

Electronic payments to QSL manager via Paypal/credit card. Dxpeditons are using this more and more.

What Next?

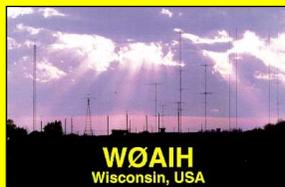
Having joined the “20 dB Down” group, you would think that DXing would be out.

Not so. The DX bug is too strong. Since moving down the FL last December we've managed to put together a station that works 80-6M and all modes. It consists of a single 100W K3 transceiver and a combo of indoor and low stealth outdoor antennas.

To date, we've managed to work over 200 countries. Yes it's like pulling teeth. If there is interest, the process of picking up and moving, and station building can be described in another contribution to PILEUP.

— Brian, K3KO

Brian's new station featuring indoor and outdoor wire antenna systems will be described in a future issue of the NFDXA PileUp—Editor



From one extreme to another. How about a 'drone's eye view' of a super-station? N9QIP has posted a series of HD videos of the ever-growing W0AIH antenna farm, which includes an 80 meter beam.

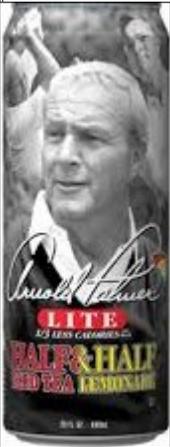
<https://www.youtube.com/channel/UCn8WEXA9xwNhPKca6HqEEFg>

The World According to NU4Y — Continued from page 5

Earlier this year, my daughter was out shopping for a gift with her brother-in-law who lives in VA. He is a big golf fan and she went out to the Bay Hill Club & Lodge to get some Bay Hill marked golf balls. She had my grandson with her. When they finally got into the golf shop and started to make her purchase, my grandson started complaining he needed a drink.

You know how a 9 year old can get when something comes over him. The attendant of the shop said he was sorry but there was no Coke machine or other means of getting a drink in the store. My grandson further explained he really needed something to drink. The attendant said, come with me, and took them into a room where a small refrigerator was sitting.

As he was opening it up, my daughter noticed all the pictures on the wall of people she immediately recognized. This was Arnold Palmer's office. He pulled out a can of Arnold Palmer's ice tea for my grandson and said "Here you are son." After thanking him and turning around, in came Arnold Palmer. He had just flown back from attending the Master's. My grandson gave him a hug and told how he had stayed at Arnold Palmer's Children Hospital and what a great place it was.



Mr. Palmer greeted them as if they were old friends. My grandson thanked him for the tea, and Mr. Palmer explained that he was very welcome. They chatted for a little bit. "Always be nice to people" was Arnold's motto.

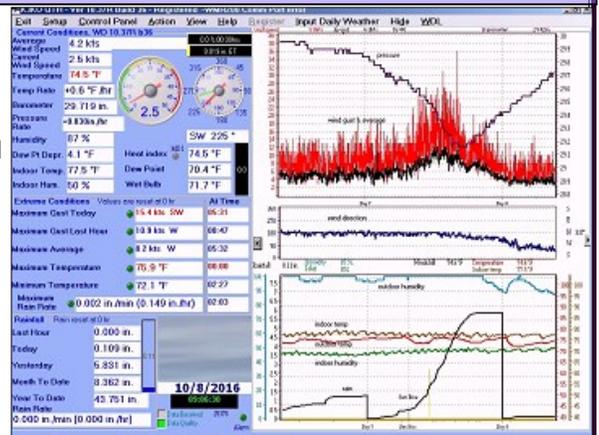
Words for all to live by. Long live the King's memory. Goodbye, you have touched the hearts and souls of so many.

Hurricane Mathew as seen by Brian, K3KO

Although reports from NFDXA members are incomplete it appears that most of the membership escaped major damage from the passage of severe Hurricane Mathew. Brian, K3KOI was able to record the entire storm event on his weather station (graphic on the right) and it shows Mathew from beginning to end.

Brain noted that he was surprised how long the winds were from the North. He never saw a wind shift to the East on approach. He guessed the storm was too far off shore. The wind shift to the West after passage was seen. He added that his 'el cheapo' anemometer tends to underestimate wind speeds a bit. — K3KO

(Editor's note: Lowest pressure recorded at the NW4C QTH was 1000mb)



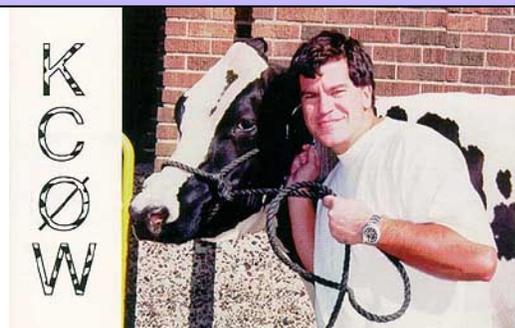
Cows Over the World DXpedition Forced to QRT

Tom, KC0W, and his all-CW "Cows Over the World" DXpedition has come to an end and he is heading back home. He reported on QRZ.com in late September that "Everything I own was stolen on September 28th, from here in Kiribati (T30). They took all my radios, computers, amplifiers, antennas, coax,... EVERYTHING. They even took my clothing and shoes. I have literally NOTHING left....! type this with tears in my eyes."

Some groups and individuals wanted to start raising funds for Tom to help him out, but on September 30th, he posted: "I have read the many supportive comments posted on both QRZ and eHam. A heartfelt thanks. Some guys have asked about financially donating to my plight. This is very generous but I respectfully and humbly decline. Us people from the Midwest are like that. Either too proud (or too dumb) to accept money without actually working for it."

He goes on to say "Please donate your time helping a kid learn Morse code if you want to 'donate' anything at all. My bank wired me funds so I can now eat again. (literally) No joke, they even stole all my food. I have cancelled all future DXing activity until I return back to the USA and purchase new equipment.

Gud DX es Long Live CW from here in Western Kiribati where it's always 5NN. (except for when local 'QRM' makes you go QRT realy quick) — Tom KC0W"



(Editor's note: KC0W, Tom Callas, reports "all logs" for his T30COW operations have been uploaded to Club Log. Check at <https://secure.clublog.org/logsearch/T30COW> . Tom wishes to thank everyone for their kind thoughts and generosity with his comments at <https://www.qrz.com/db/kc0w>)

NFDXA Tower Talk



Shown (L-R) are three NFDXA member tower-antenna projects.

On the left, **Bob, W4GJ's** Hazer-mounted Force 12 array topped by a 6 meter beam and a 40-meter Force 12 dipole set at right angles to the beam assortment. The tiny speck peeking in between the Force 12 elements is the moon.

In the middle is **K3KO's** 'dream array' one **Brian** had back in the Carolinas when he 'worked them all', a 4 element, 4 band Quad on a 70 foot tower...and one he dreams about having again...sometime.

And on the left, **Dave, NO4J's** 'work in progress, 30 feet of tower (another 30 to go) with Hazer installed and an A4 ready for topping. Listen for Dave to be QRV any day now.

Three Hexbeam Stages



Hexbeam Open

Hexbeam Folding

Hexbeam Collapsed

DXpedition News

BOUVET PERMITS REVISED, UPDATED PILOTS SELECTED

PRESS RELEASE
Bouvet Island DXpedition 2018



Sept. 23, 2016

The 20-member Bouvet Island DXpedition team is happy to report that our longstanding landing permit (2007) has been updated and revised to conform to current environmental protection regulations, planned landing and helicopter operations, base camp set-up, dates of operation, and operating plans. The updated document has received signatorial approval of the Norsk Polar Institute. Our amateur radio license with the call sign 3Y0Z has also been renewed and will be used during the Bouvet DXpedition 2018.

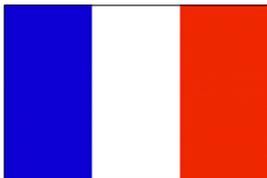
An international team of pilots has been selected to serve as an interface between the DXpedition team and the DX audience worldwide. They are your voice and will collect your feedback and information during the DXpedition and relay it to the team on Bouvet. Those pilots are:

NV9L (Val)	Chief Pilot	K2SG (Tony)	North America Pilot
HK3W (Siso)	South America Pilot	ON9CFG (Bjorn)	European Pilot
JA1WSX (Hiro)	Asia-Oceania Pilot	ZS2I (Johan)	Africa Pilot

Foundations, DX clubs, corporate sponsors, and individuals have shown enthusiastic support for the Bouvet Island DXpedition. This DXpedition is an expensive project with team members bearing 50% of its total cost. Your financial support is encouraged and welcomed to help us make this happen. Please see our list of donors and sponsors and learn how you can help on our website at: <http://www.bouvetdx.org/>

73, For the TEAM,
Ralph-K0IR

FJ DXPEDITION SCHEDULED FOR NOVEMBER



FJ – ST BARTHELEMY (CQZ 08) A seven-day 'holiday style' DXpedition is planned by KO8SCA, Adrian, from St. Barts as **FJ/KO8SCA Nov 19-26**. He'll have a K3 transceiver and KPA500 amplifier transmitting into a Big IR vertical with dipoles as backups. Activity will be on 1.8 through 28 MHz on SSB, CW and Digital modes. During his trip he will be uploading QSOs to Club Log. Logs will also be uploaded to LoTW upon his return home. He will also be using OQRS to confirm QSOs with paper QSLs afterwards. More details can be found at <https://www.qrz.com/db/fj/ko8sca>. – DDX

DXPEDITION KP2 - U. S. VIRGIN ISLANDS

VIRGIN ISLANDS (CQZ 08) Three members of the "Buddies in the Caribbean" veterans DXpedition group, which specializes in 100 watt or less low power radios and the Buddipole portable antenna systems, and a new friend, are heading to St Croix **Dec 6-14**. The **operators will use KP2/ home call as call signs**.

Ops will demonstrate "ultralite" DXpeditioning from magnificent "vista" locations using portable radios, lightweight antennas, battery power, and most of all "having fun" with a new group of operators. There will be multiple stations operating from Mountain Breeze, a villa centrally located on St. Croix and home to the station of NP2N.

They will be entering the ARRL 10 meter contest on December 10-11. The group will also invite any Caribbean hams to stop by the villa. Local ops are welcome to show up to share the hobby, and that's one of the main reasons for their many visits to the islands.



The definition of "extremely rare" is one that you have and none of your friends have.

Special Event Operations



9H – MALTA (CQZ 15) 9HI00SGM will be "a special event station commemorating the 100 years of scouting in the town of Mosta, Malta" reports 9HIJL, Joe. Activity will take place **during the month of October**, mainly during the Scouts Jamboree (October 14, 15, 16). QSL via 9HIJL. <https://www.qrz.com/db/9HI00SGM> – **DDX**

DL – GERMANY (CQZ 14) Taking part in the EUDXF's special call sign event will be **DL30EUDXF**, through **Dec 31**. QSL that one via DJ6SI. <http://www.eudxf.eu/> – **DXNL**

E7 - BOSNIA-HERZEGOVINA (CQZ 15) Special event station **E703QLA** is **QRV** until Nov 15 to draw attention to the 3rd Quarry Life Award, an international research contest concerning the biodiversity in quarries. Activity is on 80 to 10 meters using CW, SSB and RTTY. QSL via bureau. – **OPDX, DXNL**

E703 - BOSNIA AND HERZEGOVINA (CQZ 15) (Special Event) Members of the Radio Club Kakanj (E73EKK) and Cement factory Kakanj have activated the special event call sign, **E703QLA**, in what is called "Third Ecological Project in organization of Heidelberg Cement Group" and are **QRV until November 15th**. Activity is on 80/40/20/17/15/12/10 meters using CW, SSB and RTTY. All bureau QSL cards

should be sent via the E7 Bureau. All incoming direct QSLs should be via the QSL Manager, E71CQ. Please send IRC or 2 USDs with an SAE for direct QSL. If not, the QSL will be answered via the Bureau. An Award is available, see QRZ.com for details. – **OPDX**

EM – UKRAINE (CQZ 16) Look for special event station **EM20UCRF** to be active Oct 10-30. Activity is to celebrate the 20th anniversary of the Ukrainian State Centre of Radio Frequencies (UCRF). – **OPDX**

G – ENGLAND (CQZ 14) The "Cray Valley Radio Society" celebrates their 70th anniversary with the special event call sign **GB7OCV** in **October**. QSL via G4DFI (d/B). – **DXNL**

JA – JAPAN (CQZ 25) 8J8CLN is drawing attention to efforts for a clean environment **until Oct. 31**. QSL automatically via bureau; Pse don't send yours. – **DXNL**

LZ – BULGARIA (CQZ 20) The monthly special call sign for the "All Saints 2016" award of the "Bulgarian Radio Club Blagovestnik" (LZ1KCP) will be **LZ935MWC**. QSL via bureau, LZ1KCP (d). <http://www.lz1kcp.com/> – **DXNL**

OH – FINLAND (CQZ 15) OH70BH (Oscar Hotel Seven Zero Bravo Hotel) is the jubilee call sign to be **used for rest of the year** by OH2BH, Martti Laine, who is celebrating his 70th year. So far this year he has celebrated with such calls as OH2BH/OH70BH, CU2KG/CR2X, ZA/OH2BH, Z68BH/Z60A and CT3BH. He has at least five more Birthday-On-The-Air (BOTA) celebrations planned for this year. QRX for more details. – **DDX**

ON – BELGIUM (CQZ 14) ON35CLM is a special event call **Oct 15-Nov 14**. The "CLM" stands for "Canadian Liberation March," commemorating when the town of Knokke, Belgium, was liberated on Nov 1, 1944. QSL direct or bureau to ON3AIM. There is an award available. www.qrz.com/db/on35clm. – **DXNL**

ON – BELGIUM (CQZ 14) Lions Clubs International Belgian Amateur Radio operators are **QRV** as **ORI00LCI** until March 2017 to mark its 100th anniversary. Activity is on the HF bands using CW, SSB and RTTY. QSL via ON8ZL. – **OPDX**

ON – BELGIUM (CQZ 14) Members of the Radio Club Leuven are **QRV** with special call sign **ON500UTOPIA** to remember philosopher Thomas More, whose novel Utopia was published 500 years ago. QSL via ON3AR. – **ARRL DX**

PA – NETHERLANDS (CQZ 14) The European DX Foundation celebrates its 30th anniversary with the call **PB30EUDXF** during November. Also **DL30EUDXF** (qsl via DJ6SI) will be **active until the end of this year**. <http://www.eudxf.eu/> – **DXNL**

SV – GREECE (CQZ 20) Starting **Oct 15** special call **SX8HOMER** will begin operations from Chios Island (EU-049). Activity will be on 40, 30, 20, 17, 15 and 10 Meters on SSB and PSK **until Dec 15**. Team members will be SV8FCU, SV8GXQ, SV8GXT and SV8GXW. <https://www.qrz.com/db/SX8HOMER> QSL via SV8GXQ. – **DDX**

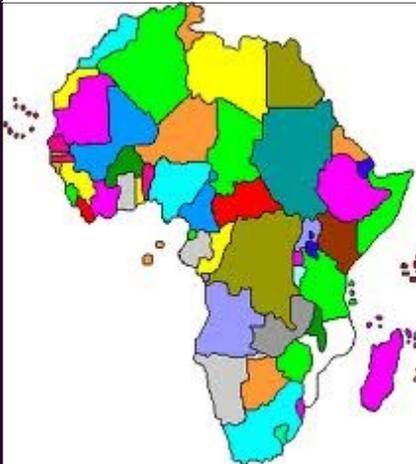
SV - GREECE.(CQZ 20) Look for special event station **SX8HOMER** to be activated by Amateur Radio Club of Chios Island (SZ8XIO) [EU-049] **Oct 15th- Dec 15**. Activity will be on 40/30/20/17/15/10 meters using SSB and PSK31. Operators mentioned are SV8FCU, SV8GXQ, SV8GXT and SV8GXW. QSL via SV8GXQ direct (include a self addressed envelope plus 2 USDs (NO IRCs) or by the Bureau via SX8HOMER. QSL CARDS THAT DO NOT MEET THE ABOVE REQUIREMENTS WILL NOT BE ANSWERED. All QSOs confirming via the Bureau or direct will be on February 27th. – **OPDX**

TX - NEW CALEDONIA (CQZ 32) Look for special event call sign **TX8JOTA Oct 14-16** during the "Jamboree on the Air" (JOTA) <<http://www.scouting.org/jota.aspx>> on various HF bands. QSL via FK QSL Bureau or eQSL. – **OPDX**

VU – INDIA (CQZ 22) Special Indian call sign **AT8GOA** by GRAS, the Goa Radio Amateurs Society and KARC, the Kolhapur Amateur Radio Club will be from the 8th BRICS Summit, with India as Chair this time, **Oct 15-16**. Look for them on 40, 20, 15 and 10M digital and SSB. QSL direct to VU2SMN. – **DDX**

ZY3, BRAZIL (CQZ 11) Special event station **ZY3WCP** will be active **Oct 21-25** celebrating the 156th anniversary of the city Caçapava do Sul, RS, Brasil. Operation on 80/12/10 meters on SSB. QSL Manager is PU3KTM (see QRZ.com), by Bureau or direct. – **OPDX**

DX AFRICA



5N – NIGERIA (CQZ 35) 5N/PA3TG is active **now through Oct 20**, in his spare time, "mostly evening hours on 20 meters SSB and CW." His QTH will be Lagos on both SSB and CW, and from Port Harcourt on SSB only. QSL via the bureau to PA3TG or direct to PA3TG with 2 USD. -- **DDX**

5H – TANZANIA (CQZ 37) Oct 22 - Nov 12 are the dates NK8O will be in Tanzania, the town of Zinga. He will be on 20, 17 and 15 with elevated verticals and 100 watts, and on 80, 40 and 30, mostly CW, with a doublet wire antenna. He "may try some SSB" and PSK-31, and may go QRP portable from the Selous National Game Reserve in the October 28-November 1 timeframe. When portable he believes that will definitely be CW only. Look at **5H3DX** on QRZ.com for more info direct from Chas. -- **DDX**

5H – TANZANIA (CQZ 37) Tanzania - IK2GZU, Maurizio, will be back in the country and QRV again as **5H3MB** Nov 7 to Dec 2. QSL via IK2GZU either via the bureau or direct as well as LoTW. -- **DDX**

5X – UGANDA (CQZ 37) Uganda - It's back to Kampala for G3XAO, Alan, where he will again be operating as **5X1XA** Nov 12-28, including the CQ World Wide DX CW Contest. He'll have a K3 running 100 watts into a Moxon on 20, 15 and 10 meters and dipoles on the other bands. Alan will be on CW only on the HF bands. QSL via G3SWH. He'll be posting his logs to LoTW and Club Log. -- **DDX**

5Z4 – KENYA (CQZ 37) DL2RMC, Tom will be working **the next 3 years** in Kenya and is active on HF Bands as **5Z4/DL2RMC**. QSL via home call. -- **DX Coffee**

5Z – KENYA (CQZ 37) Tom/DJ6TF and Reiner/DL7KL plan to visit Diani Beach **Nov. 15 - Dec. 1**. **QRV as 5Z4/home calls** on 80-10m (CW, SSB). QSL via h/c (d/B). -- **DXNL**

9Q – DEMOCRATIC REPUBLIC OF CONGO (Zaire)(CQZ 36) IS0BWM, Christian, is heading south to Kenge in late November. Thanks to the "written permission of the national radio club ARAC" he'll be operating as **9Q0HQ/3** from **November 20 until Christmas Day**. Plans are to be on SSB only on all bands. He will be posting his logs on Club Log at <https://secure.clublog.org/logsearch/9Q0HQ/3>. QSL direct only with 2 US \$ to IS0BWM. -- **DDX**

XT2 – BURKINA FASO (CQZ 35) XT2AW will be on the air **Oct 13-Nov 20** with a TS 430S (a gift from Angelo D44BS), Hex Beam and a Dipole for 40 meters with plans to work in the Digi-modes and in slow CW. **XT2AFT Herman** will work EME on 2 meter, 0.7 meter, 23cm and 13cm. -- **DX Coffee, DDX**

ZD8 – ASCENSION ISLAND (CQZ 36) Two American ops will be activating Ascension Island for two upcoming contests. W6NV, Oliver, is heading back to ZD8 **starting in late October through November**. Joining him in just before the CQ WW DX CW will be K0AV, Alan. Oliver expects to arrive on **Oct 12** to begin his activities as **ZD8W**. He's planning to be active as a single-op in both the Worked All Germany Contest and the CQ WW DX SSB Contest. Listen for ZD8W to be QRV on CW and SSB on 1.8 through 50 MHz. Oliver reports he does listen occasionally on 6 Meters, typically during his afternoons and evenings. Alan will arrive on the island **Nov 21, staying until Dec 1**. He has been issued **ZD8V**. ZD8V will be using a K3 and amp transmitting into beams, wires and phased verticals on 160-10 Meters, mainly on CW. Alan will use both Club Log and LoTW. During the CQ WW DX CW Contest Oliver and Alan will do a multi-two using the call ZD8W. QSL ZD8V via K0AV and ZD8W via W6NV. -- **DDX**

Transatlantic Contact Africa—South America Completed on 2 Meters!

Amateurs in South America and Africa successfully completed a transatlantic contact on 2 meters on October 4 and 5. Setting the new record were Marcos da Silva, PY1MHZ, in Rio de Janeiro (GG87jc), who copied the 2 meter QRA64 signal of Pieter Jacobs, V51PJ, in Rosh Pinah, Namibia (JG82IE) via tropospheric ducting. The distance between the two stations is 5987 kilometers (approximately 3712 miles). Developed by Nico Palermo, IV3NWW, QRA64 has been incorporated into the WSJT digital suite of Joe Taylor, K1JT.

The contact will not qualify for one of the Irish Radio Transmitters Society (**IRTS**) **Brendan Awards**, which require that one of the transatlantic endpoints be in Europe.

The contact took place on 144.250MHz, with PY1MHZ heard at a signal-to-noise ratio (SNR) of -36 dB, and V51PJ copied at an SNR of -37 dB. The contact took place from 2038 UTC on October 4 until 0028 on October 5.

PY1MHZ was running 400 W into a 2 × 12 element horizontal array, using a 16 dB preamp on receive. V51PJ was running 1 kW into a 2 × 13 element array. -- **ARRL**

DX NORTH, CENTRAL and SOUTH AMERICA

8P – BARBADOS (CQZ 08) 8P6SH, Dean, will be in the CQWW DX SSB late in October with the **8P50B** call sign, celebrating Barbados' 50 years of independence. QSL through KU9C or on LoTW. – **DDX**

8P – BARBADOS (CQZ 08) Hideaki JH4CES and Mitsumasa JH4IFF will **8P9JH** and **8P9IP** respectively **3 - 9 Nov**. They will be active in CW, SSB and RTTY from 80 to 10m. – **Les Nouvelles DX**

9Y - TRINIDAD AND TOBAGO (CQZ 09) Nick, VE3EY, will again be active as **9Y4/VE3EY** from Trinidad and Tobago **Nov 23-28**. This will be a (Field Day) suitcase operation on 160-10 meters using a K3 and KPA500 amp into two verticals. Activity will include the CQWW DX CW Contest (Nov 26-27) as a Single-Op/All-Band/High-Power entry. His focus prior to the contest will be on Low Bands/WARC. QSL via VE3EY. – **OPDX**

CE0Y - EASTER ISLAND (CQZ 12) Nobuaki, JA0JHQ, will be active as **CE0Y/JA0JHQ** from Otai Hotel on Easter Island (SA-001) **Oct 14-17**. Activity will be on 160-10 meters (depending on conditions) using CW, possibly some SSB. Suggested activities is as follows: Oct 14 - 30m CW (10111-10112 kHz) and 40m CW (7005-7015); Oct 15-16 160/80/20/17/15/12/10m Radio is a TS-480HZ into a Micro-vertical. QSL via his home call sign, direct, by the Bureau or LoTW (preferred). For more details and updates see <http://pandasan.jimdo.com/ce0y-ja0jhg> – **OPDX**

CY0 – SABLE ISLAND (CQZ 05) Aaron **CY0/VA1AXC** is back on Sable Island until early November and is QRV when time permits. SSB only. QSL via JE1LET. – **DXW, DDX**

HK – COLUMBIA (CQZ 09) It's back to Colombia for DK8LRF, Lothar, who will again be QRV from central Colombia (FJ34fg) as **HK3JCL** until **Easter of next year**. Listen for him during his evenings on 20 Meters SSB. QSL via his home call. – **DDX**

J6 SAINT LUCIA (CQZ 08) Steve, WF2S will sign J68SL and Bob, WB2YQH will sign J6/WB2YQH from Gros Islet, St. Lucia (na-108) **Oct 18-27**. They will use a K3S, and vertical antenna over salt water, plus other antennas on all bands 80-10 meters, including WARC. Steve will be QRV on SSB, and digital modes-RTTY, PSK, JT65 and some CW while Bob will be mainly on CW and some SSB. Full QSL info is on QRZ.com under each call sign. – **DX Coffee**

PJ4 – BONAIRE (CQZ 09) Members of the "PJ4 Contest Club" will once again be active as **PJ4X** from Kralendijk, Bonaire (SA-006, WLOTA LH-1279), during the CQWW DX SSB Contest (Oct 29-30) as a Multi-2 entry. Operators mentioned are John/K1QX, Noah/K2NG, Ray/K9RS, David/NA2AA, Hans/PJ4LS, Martin/W1MD and John/W2ID. Look for operators to be active before and after the contest signing PJ4/home call. QSL PJ4X via LoTW or direct to W1MD. – **OPDX**

PJ4 – BONAIRE (CQZ 09) Operators Scott/W4PA, Steve/PJ4DX, Peter/PJ4NX and possibly others will be active as **PJ4Q** from Kralendijk, Bonaire Island (SA-006) during the CQWW DX SSB Contest as a Multi-Single entry. Operators will be on the island **Oct 24 - Nov 1**, except PJ4DX and PJ4NX. Outside of the contest, operators will be signing PJ4/home call and will be active on 160-10 meters with a focus on 160/30/17/12 meters using CW and SSB. QSL PJ4Q via W4PA. QSL all others via their home call sign. Operators Scott/W4PA, Norman/WF7T, Kirk/K4RO and Peter/PJ4NX will be active as **PJ4Q** from Kralendijk, Bonaire Island (SA-006) during the CQWW DX CW Contest (Nov 26-27) as a Multi-Single entry. Operators will be on the island **Nov 21-30**, except PJ4NX. Outside of the contest, operators will be signing PJ4/home call and will be active on 160-10 meters with a focus on 160/30/17/12 meters using CW and SSB. PJ4/WF7T will be active on the Digital modes on all bands prior to contest. QSL PJ4Q via W4PA. QSL all others via their home call sign. – **OPDX**

PJ6 - SABA ISLAND (Also FJ/TO2) (CQZ 08) Bill, K2HVN, will be active as **PJ6/K2HVN** (unless he receives his long awaited call sign PJ6M) from Saba Island (NA-145) **Nov 11-18**. Activity will be on 40-10 meters using mainly CW, but some SSB. He will try to spot himself on DX Summit. After his PJ6 operation, he will be active as **TO2EE** from St. Barthelemy Island (NA-146, DIFO FJ-001, WLOTA 0377) **Nov 18-25**. See QRZ.com for QSL information. Both operations he will be running 100 watts into a Buddipole vertical. – **OPDX**

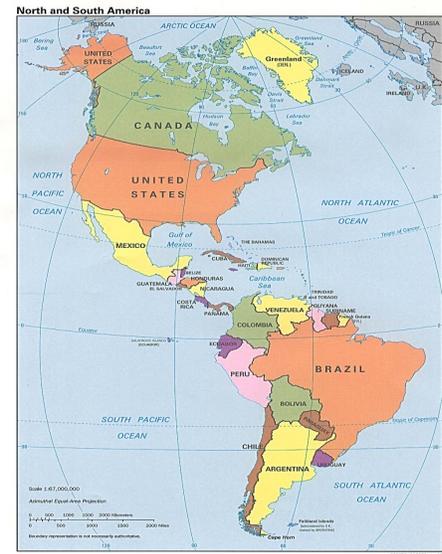
PY0F – FERNANDO DE NORONHA (CQZ 11) LU9EFO, Martin, has announced his plans to be operating as **PY0F/LU9EFO** **Nov 7-14**. QSL direct to F4BHW or via the bureau to LU9EFO. – **DDX**

KP2 – US VIRGIN ISLANDS (CQZ 08) N2TTA plans to operate the CQ World Wide DX SSB Contest as **NP2P** in the single-op category. QSL via LoTW. – **DDX**

KP4 – PUERTO RICO (CQZ 08) Puerto Rico - NP3M is Puerto Rico's Western Amateur Radio Club but they will use the **W4D** call sign **NoV 16-21** for the "Discovery of Puerto Rico" event. They plan to be on "all bands." QSL via WP4DT – **DDX**

OA – PERU (CQZ 10) Oct 22 DL5YWM, Daniel, will be QRV as **OA4/DL5YWM**. He may also operate as **OA8/DL5YWM**. Plans are to be in the country until **Nov 5**. – **DDX**

V3 – BELIZE (CQZ 07). Victor, WB0TEV, will be active as **V31VP** from Blackman Eddy Village (west of Belmopan) between **Oct 6-11**. Activity will be on various HF bands including entries in the North American SSB Sprint and Makrothen RTTY Contests. He will use 100 watts and wire antennas. QSL via his home call sign, direct or by the Bureau. – **OPDX**



DX AMERICAS — Continued from page 14

VP5 – TURKS & CAICOS (CQZ 08) VP5DX will be active during the CQ WW SSB in the multi-op, single transmitter category. -- NFDXA

VP5 – TURKS & CAICOS (CQZ 08) Jay, AA4FL, who will be an operator of the **VP5DX CQWW SSB team**, is planning to be active as **VP5/AA5FL** from Middle Caicos Island (FL41cu) on the satellites during his stay outside of the contest **Oct 16 - Nov 2**. Equipment will be a FT-817 and Arrow II, and he will also have a TH-D7A as a backup for the FM birds. Jay states, "I have been told it has been ten years since there has been a SAT operation from VP5." -- OPDX

VP9 – BERMUDA (CQZ 05). Mark, AA1AC will be QRV from Hamilton Parish as **VP9/AA1AC Oct 10 - 15**. QSL via AA1AC. -- ARRL DX

TI – COSTA RICA (CQZ 07) Look for WB2REM, KE2D and WA8NJR to be active from San Ramon, Alajuela, Costa Rica **Oct 26 - Nov 2**. QRV mainly in CQWW SSB contest as **T15/W4TTT**. Outside the contest T15/home calls. QRV on 160-6m, SSB/CW/Digi. -- DXW

VE2 - CANADA (Zone 2) Operators Jean/VE2VIA and Jean-Pierre/VA2SG will be active as **VE2SSS** from Zone 2 during the CQWW DX CW Contest (Nov 26-27t) as a Multi-Op/High-Power entry. QSL is direct via VE2TLH. For more details and updates, see: <http://nordx.net/index.php/les-dxpeditions/vb2t-cq-ww-ssb-2016-cq-zone-2-2016> -- OPDX

VP2v – BRITISH VIRGIN ISLANDS (CQZ 08) K2SX, W2LK, W1UU and WA6O plan to be operating from Josiah's Bay B&B (run by VP2VQ) near Road Town, Tortola **Nov. 22 - Nov. 29**. During the CQWW CW contest they have been issued the call **VP2VI** in honor of Bob Dennison's contributions to DXing and the ARRL in general. They will be operating the contest as either M/S or M/2. Outside the contest, they will be using **VP2V/home call**. QSL info will be determined shortly. Prior to their arrival in VP2V they will all be staying in St. Thomas Nov 18 – 22 but there are no current plans to be active on the air from KP2. More details to follow. -- DXW

VP2E – ANGUILLA (CQZ 08) Well-known German DXer Sigi Presch, DL7DF and crew will be active from Anguilla (VP2E – call signs requested) **Oct 25 - Nov 7**. They will be active with two stations from 160m through 10m on CW, SSB, RTTY and PSK31. Equipment consists of two transceivers K2, two OX1000 power amplifiers, a 18m low band vertical, a 40m and a 30m loop, and Spiderbeam for 20m through 10m. -- DXW

VP9 – BERMUDA (CQZ 05) AA1AC, Mark, will be QRV from the Hamilton Parish as **VP9/AA1AC** from **Oct 10-15**. QSL via AA1AC -- DDX

YN – NICARAGUA (CQZ 07) Scott, K7ZO, will once again be active from here during the CQWW DX SSB Contest (**Oct 29-30**) as a Single-Op/All-Band/High-Power entry. He will again use his smaller call sign **YN5Z** for the contest instead of his usual YN5ZO call sign. He usually operates "Field Day Style" using a 5 band Spiderbeam and a 160-40m vertical. The radio is a TS-590 driving a KPA-500 amp. QSL via LoTW and K7ZO, direct or by the Bureau. Very little operation is expected outside the contest period (a couple of days before the contest -- none after). -- OPDX

DX ARCTIC—ANTARCTIC



FT3Y – ANTARCTICA (CQZ) François, F4HLT will be active as **FT3YL** from Dumont d'Urville, Adelie Land, Antarctica **in a few months' time**. The license is **valid from December 2016 to February 2018**. Activity will not occur immediately but likely few months after arrival. Adelie Land counts for IOTA AN-017. François said in his announcement: "I'm a beginner in HF radio but I want to try and install a Ham Radio Station at Dumont D'Urville, a French scientific base. My job is my priority. I can transmit only during my spare time. I'm not a DXpedition. This activity will be secondary to the scientific work. During this mission of 1 year my QSL manager is F6KPQ. -- *DX-World.net, Les Nouvelles DX*

VP8STI team member Jun Tanaka-JH4RHF has shared an extensive collection of his nature photos from Southern Thule Island. https://photos.google.com/share/AF1OipOW41EqkcnY_v21luWLCsjNljCf3ra12jO7LfmEpCVRmBpspkFXgl5JgWoiQWHg?key=eURSVINH0VV6VWFCC0tyMXhBSzRYR29OX2ZnclR3 -- Paul, N6PSE

Drones Eye View

<https://www.youtube.com/channel/UCn8WEXA9xwNhPKca6HqEEFg>

N9QIP has posted a some HD videos of the W0AIH antenna farm, including the 80 meter beam

DX ASIA

3W - VIETNAM (CQZ 26) 3W2DK by N0ODK, Mike, will be **QRV Oct 15- Nov 5** including the CQWW SSB, from Vietnam. Mike plans to be on SSB, with "some" CW and digital operating, 40-10 meters. QSL direct or bureau via N0ODK, or use LoTW, although he is a QSL collector so he does like to get your card. -- **425 DX News**

5B - CYPRUS (CQZ 20) 5B/MM0GOR, Gordon, will be on the air **Oct 12-19**, operating on HF. QSL through M0OXO on OQRS. -- **DDX**

9N - NEPAL (CQZ 22) "A new operation from Nepal is coming soon," say the planners of "Project Nepal", a DXpedition scheduled for **Oct 15-19**. 9N7CC, 9N7FD/SP2FUD, 9N7WE/SP9FIH and SP2GCJ will all be operators on this expedition staying at the Star View Guest House in Changunarayan . More details to follow. <http://9n.dxpeditons.org/> -- **DDX**

BV - TAIWAN (CQZ 24) JL3RDC has announced plans to operate as **BW/JL3RDC** in the CQ World Wide DX SSB Contest in October. QSL via his home call. -- **DDX**

BV - TAIWAN (CQZ 24) During the CQ World Wide DX SSB Contest, **Oct 29/30**, BM2AAV, BM3IHD, BU2BE, BU2BF, BU2BO, BV2DD, BV2KS, BV3UB, BV3UF, BV5OO and BX3ABP will team up for a multi-two effort as **BV2A/3**. QSL via BV2A. -- **DDX**

E4 - PALESTINE (CQZ 20) E44QX will be active from Jericho on the West Bank **Dec 8 - 12** with DF8DX operating holiday style. QSL direct, via the bureau, OQRS, LoTW. -- **DDX**

E4-PALESTINE (CQZ 20) Operator Chris/PA2CHR and Jos/PA3FYC will be active as **E44CM** from Jericho **Nov 15-24**. Activity will only be on 2m and 70cm EME. The complete time-table of operations is available on QRZ.com. QSL via PA3FYC. QSL via UT3UZ. -- **OPDX**

VU - INDIA (CQZ 22) JA8ECS, Kazu, is expected to be QRV as **VU3JWI** from Delhi **Oct 13-23**. QSL via JA8ECS. -- **DDX**



MYANMAR IOTA OPERATION DELAYED



We herewith have to inform the IOTA community that our Myanmar/ XZ IOTA DXpedition to some new IOTAs has to be delayed.

There were elections in Myanmar in November 2015 and we had to resubmit all our documentation. The new administrations has now been selected but they need time to have new rules established.

All domestic logistics are in place through our local Myanmar contact. He is also in weekly contact with three different ministerial departments and has indicated to us that the first weeks in February 2017 seem to be a good time slot for our DXpedition.

We cannot push harder. We must be patient. But we have every hope of activating new Myanmar IOTAs. Therefore our intention is to plan the DXpedition for February 2017 subject to the Myanmar authorities finally giving us permission.

We will give additional information as it comes.

Sorry for this delay which is outside our control.

Kind Regards,

Derik/G3KHZ, Hans/SM6CVX, Nils/SM6CVS, Ulrika/SM7WYN, Eddy/K5WQG and Steve/G4EDG

The definition of "rare" is one that neither you nor any of your friends have.

DX PACIFIC-OCEANA

5W – SAMOA (CQZ 32) Operator Hiro/JFIOCO and Taka/JHIBED will be active as **5W7X** and **5W0ST**, from Samoa **Oct 31 - Nov 9**. Activity will be on various HF bands using CW, SSB and RTTY. QSL 5W7X via JFIOCO. QSL 5W0ST via JHIBED. – **OPDX**

A3 – TONGA (CQZ 32) Masa, JA0RQV plans to be QRV as **A35JP/p** from Niuafo'ou Island, IOTA OC-123, **Oct 1**. He may try to activate IOTAs OC-169, OC-064 or OC-191 instead. QSL to home call. – **ARRL DX**

AH2 – GUAM (CQZ 27) Santos, EA4AK will be active from Guam as **AH2P Mar 29 - Apr 17, 2017**. He will make an effort to operate the bands/modes where Guam/KH2 is most needed. QSL via: LOTW, eQSL & Club Log OQRS. Later all QSLs will be sent by the bureau. – **DXW**

FO/A, AUSTRAL ISLANDS (CQZ 32) Al, K7AR, will be active as **FO/K7AR** from Raivavae Island (OC-114), Austral Islands, **Nov 21-28**. Activity will be on 160-10 meters using CW, SSB and RTTY. He plans to be in the CQWW DX CW Contest (Nov 26-27) as a Single-Op/All-Band/High-Power entry. QSL via his home call sign, ClubLog or LoTW. – **OPDX**

FO - MARQUESAS ISLANDS (CQZ 31) Patrick, FO5QS will be moving to Hiva Oa Island, IOTA OC-027, and plans to be there for many years. Activity will be on all HF bands using CW, SSB and various digital modes. QSL to home call. – **ARRL**

KH2 – GUAM (CQZ 27) EA4AK, Santos, plans to return to Guam late next March. He'll be using his **AH2P** call **Mar 29 - Apr 10, 2017** with emphasis on the bands and modes where KH2 is most needed. Logs will be posted to Club Log at <http://www.clublog.org/charts/?c=AH2P>. Do not QSL direct or via the bureau to Guam or direct to Spain, but rather he prefers via the EA Bureau, LoTW, eQSL or OQRS. – **DDX**

H4 – SOLOMON ISLANDS (CQZ 28) Stan, LZ1GC is active until **21 Oct** in the Solomon Isl. and Temotu Province as **H44GC** and **H40GC** on all HF bands, CW / SSB / RTTY. His focus is on the low bands! Currently Stan is operating from Lata, Nendo Island (IOTA OC -100), Grid Loc: RH29UG using a Kenwood TS – 480 SAT transceiver and linear amplifier ACOM – 600 S (700 watts). The antennas are a GP on 160 & 80 meters and EXP. GP on 40 – 10 meters, including WARC bands. Activity is on all HF bands (160 – 10 meters), CW, SSB, RTTY and PSK. Again activity by Stan, LZ1GC **18 – 21 Oct** as **H44GC**, operating Honiara, Island of Guadalcanal (IOTA OC – 047), Grid Loc: QI90XN. The equipment will be the same as during H40GC activity – **DX Coffee, ARRL DX**

T2 – TUVALU (CQZ 31) Continuing their Pacific tour after finishing up their E6AC operation on Niue, JA2FJP and JF2MBF are now on their way to Tuvalu for an all band, all mode, operation, **T2J**. T2J should be QRV in early October. – **DDX**

T8 – PALAU (CQZ 27) Takeo, JR1GSE, will be active as **T8TH** from VIP Guest Hotel (Free Radio Room) on Koror Islands (OC-009) **Oct 28-31**. Activity will be on various HF bands and modes. He also plans to be an entry in the CQWW DX SSB Contest (Oct 29-30). QSL via his home call sign. For more details about the VIP Guest Hotel (Free Radio Room), see: <http://www.palau-radio.com> – **OPDX**

T8 – PALAU (CQZ 27) Nov 2-8 are the dates that JR1UBR, Kazuo, will be operating **T88AB** from Koror Island. He'll be using an IC-756 and TL-933 running 1 KW. Antennas include: 7 MHz Inverted Vee, 14/21/28 MHz 4 element Yagi, 18/24 MHz 4 element Yagi and 50 MHz 5 element Yagi for activity on SSB on 7-50 MHz. QSL direct or via the bureau to JR1UBR. He will not be using LoTW or eQSL. – **DDX**

V6 – MICRONESIA (CQZ 27) gM4YXI, Keith, and GM3WOJ, Chris, will again be active as **V6Z** from Truk (Chuuk) Island in Micronesia (IOTA ref. OC-011) **between 17 Oct and 01 Nov**. Activity will be on 160m to 10m SSB/CW including the WARC bands and activity in the UKEICC DX SSB contest (22/23 Oct) and CQ WW SSB (29/30 Oct) as a Multi-2 entry. The DXpedition website is online at www.v6z2016.com/ where you can read about the DXpedition plans in more detail, check for updates and read the story of the V6Z 2015 DXpedition. – **DDX, OPDX**

V6 – MICRONESIA (CQZ 27) Japan's Nara DX Association hopes to put some **rare V6 IOTAs** on the air this fall. JP3AYQ says they are waiting for the ship schedule to be settled. Then they will be able to announce the dates. The first operation will be Mwokil Island, OC-226. They will use the call sign **V6J** which has been received. – **DDX**

V6 - Micronesia (CQZ 27) Jan 4-22 are the dates a group of five Japanese operators will be operating from the South Park Hotel on Pohnpei Island (OC-010). The team includes V63ARJ/JA3ARJ, Tatsuo; V63LSS/JH3LSS, Kunio; V63AVO/JA3AVO, Masumi; V63PBL/JH3PBL, Hiroko (YL); and V63AYA/W7AYA Ayaka (YL). They will be QRV on 1.8 through 50 MHz on CW, SSB and digital modes. <http://ja3avo.jp/v6.htm> – **DDX**



The definition of "extremely rare" is one that you have and none of your friends have.

October 2016 DX Calendar (Edited from <http://www.ng3k.com/Misc/adxo.html>)

Dates		Entity	Call Sign	QSL via	Source	Details
2016 Oct02	2016 Oct12	Maldives	8Q7MD	LotW	DXW.Net 20160909	By IZ1MHY fm Felidhoo Atoll; 40-10m; SSB, digital; holiday style ; QSL also OK via 9A8ARS Buro or IZ1MHY direct, also eQSL
2016 Oct02	2016 Oct12	Seychelles	S79PA	LotW	DXNews 20160924	By R2DG fm Mahe I (AF-024); HF; CW SSB PSK; QSL also OK via R2DG or Club Log
2016 Oct02	2016 Oct20	Nigeria	5N	PA3TG	DXNews 20161001	By PA3TG as 5N/PA3TG; 20m; CW SSB
2016 Oct04	2016 Oct07	Palau	T88MZ	LotW	TDDX 20160929	By JH0CKF fm Koror I (OC-009); HF; SSB CW; QSL also OK via JH0CKF or eQSL
2016 Oct04	2016 Oct10	Tuvalu	T2J	LotW	DXW.Net 20160801	By JF2MBF JA2FJP; 160-10m; CW SSB RTTY; QSL also OK via JA2FJP direct (w/ SAE + US\$2) and Club Log
2016 Oct04	2016 Oct16	Maldives	8Q7HX	LotW	DXNews 20160929	By DJ9HX fm Bandos I (AS-013); 40-10m; CW SSB RTTY; QSL also OK via DJ9HX
2016 Oct04	2016 Oct17	Temotu	H40GC	LotW	DXW.Net 20151221	By LZ1GC fm Nendo I (OC-100, RH92ug); 160-10m, focus on low bands; CW SSB RTTY; QSL also OK via LZ1GC
2016 Oct04	2016 Oct30	Central Kiribati	T31T	3Z9DX	DXNews 20160824	By 3Z9DX SP3DOI SP7VC fm Kanton I (OC-043); 160-10m; end date unclear
2016 Oct06	2016 Oct11	Belize	V31VP	WB0TEV	WB0TEV 20160927	By WB0TEV; QRV for NA SSB Sprint and Makrothen RTTY
2016 Oct08	2016 Oct23	Sao Tome & Principe	S9YY	DH7WW	TDDX 20160620	By DG5AA et al fm AF-023; 160-10m, also EME on 2m & 432; CW SSB + digital; QSL OK via DARC Buro or direct
2016 Oct09	2016 Oct16	Belize	V31TT		DXNews 20160907	By K5TTE; 40 20m; QRP; end-fed wire
2016 Oct09	2016 Oct23	Hawaii	KH6	Home Call	TDDX 20160707	By DJ0FX as KH6FX and DF1SD as KH7SD; 160-10m; CW SSB + digital; QSL via DARC Buro or direct (not to KH6 addresses)
2016 Oct10	2016 Oct15	Bermuda	VP9	AAIAC	TDDX 20160921	By AAIAC as VP9/AAIAC fm Hamilton Parish (NA-005); HF
2016 Oct10	2016 Nov02	French Polynesia	FO	DFIYP Buro	DFIYP 20160709	By DFIYP as FO/DFIYP fm Moorea I (OC-046); 20 17 15m; SSB RTTY; lighthouse + WWFF activations; holiday style
2016 Oct11	2016 Oct13	Fiji	3D2GG	LotW	DXNews 20160801	By JF2MBF JA2FJP; 160-10m; CW SSB RTTY; QSL also OK via JF2MBF direct (w/ SAE + US\$2) and Club Log
2016 Oct13	2016 Oct18	Panama	H84JK		425DXN 20160917	By SP5APW fm Isla Colon (NA-088); 20-10m; SSB + digital
2016 Oct13	2016 Nov20	Burkina Faso	XT2AW	M0OXO	DXW.Net 20160925	By DF2WO; HF; slow CW + digital
2016 Oct14	2016 Oct17	Easter I	CE0Y	LotW	DXW.Net 20160911	By JA0JHQ as CE0Y/JA0JHQ; focus on 40 30m; mainly CW; QSL also OK via JA0JHQ (Buro or direct)
2016 Oct15	2016 Oct23	Maldives	8Q7DK	LotW	DXNews 20160928	By 4Z5SL fm AS-013; HF; SSB PSK; wires; QSL also OK via 4Z5SL
2016 Oct15	2016 Oct29	Lesotho	7P8AO	HA5AO	DXW.Net 20160819	By HA5AO; 80-6m; mainly CW; QSL also OK via Club Log
2016 Oct17	2016 Nov01	Micronesia	V6Z	LotW	GM3WOJ 20160914	By GM3WOJ GM4YXI fm Chuuk I (OC-001); 160-10m, focus on 160 80m; SSB CW; QRV for CQWW DX SSB
2016 Oct18	2016 Oct21	Solomon Is	H44GC	LotW	DXNews 20160219	By LZ1GC fm Guadalcanal, (OC-047, Q190xn); 160-10m, focus on low bands; CW SSB RTTY; QSL also OK via LZ1GC
2016 Oct18	2016 Oct30	St Helena	ZD7VDE	Club Log	G0VDE 20160514	By G0VDE; 80-10m; SSB, some digital, perhaps CW

Morew Oct 2016 DX Calendar (Edited from <http://www.ng3k.com/Misc/adxo.html>)

Dates		Entity	Call Sign	QSL via	Source	Details
2016 Oct19	2016 Oct26	Ghana	9G5AM	LotW	S59ZZ 20160801	By S54W S57L S59ZZ fm Langma; 80-10m, perhaps 160m; CW SSB + digital; 100w; verticals, wires; QSL also OK via S59ZZ and Clublog
2016 Oct20	2016 Oct28	Vietnam	3W2R	EB7DX	<u>DXNews</u> 20160902	By EA1ACP EA5HPX EA7FTR US7UX EB7DX fm the Mekong Delta; 160-6m; all modes
2016 Oct20	2016 Nov05	Vietnam	3W2DK	LotW	<u>DXW.Net</u> 20160902	By N0ODK; 40-10m; mainly SSB, some CW + digital; QSL also OK via N0ODK, Buro or direct
2016 Oct21	2016 Oct25	Fiji	3D2YA	LotW	JAINLX 20160411	By JAINLX and J11CNA fm Mana I (OC-121); 40-10m; mainly CW, some SSB RTTY; 100w; verticals, dipole; QSL OK via JAINLX direct
2016 Oct22	2016 Nov12	Tanzania	5H3DX	LotW	<u>DXW.Net</u> 20160815	By NK8O fm Zinga; 80-15m; mainly CW; spare time operation; QSL also OK via NK8O and eQSL
2016 Oct25	2016 Nov07	Anguilla	VP2EGR	LotW	DL7DF 20160918	By DK1BT DL4WK DL7DF DL7UFN DL7UFR; 160-10m; CW SSB RTTY PSK31; QSL also OK via DL7DF (DARC Buro or direct)
2016 Oct26	2016 Nov09	Chatham I	ZL7G	G3TXF	G3TXF 20160219	By G3BJ G3SVL G3TXF G3WPH G3XTT G4JKS G4TSH; 160-10m; mainly CW RTTY, some SSB

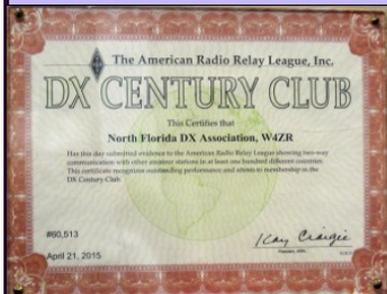
CQ Worldwide DX Contest, SSB (Oct 29-30, 2016) Check for precontest activity too.

2016 Oct29	2016 Nov04	Martinique	FM	LotW	WT4BT 20160811	By AA4OC as TO4OC, N7BS as FM/N7BF, WT4BT as FM/WT4BT, W6ABM as TO6ABM; 80-10m; SSB + digital; QSL via home calls
2016 Oct31	2016 Nov09	Samoa	5W	Home Call	<u>DXNews</u> 20160930	By JF1OCQ as 5W7X and JH1BED as 5W0ST fm OC-097; HF; CW SSB RTTY

November

2016 Nov01	2016 Nov11	Bonaire	PJ4L	ON3CQ	<u>DXW.Net</u> 20160929	By ON7TQ ON6KX; SSB CW + digital
2016 Nov02	2016 Nov08	Palau	T88AB	JR1UBR	TDDX 20160913	By JR1UBR fm Koror I; 40-6m; 1kw; QSL OK via JARL Buro or direct
2016 Nov03	2016 Nov09	Barbados	8P	JH4IFF Direct	<u>DXNews</u> 20160901	By JH4IFF et al fm NA-021; 80-10m; CW SSB RTTY; 8P9IP QRV for IPARC Contest; QSL call book address
2016 Nov04	2016 Nov14	Cambodia	XU7MDC	LotW	MDXC 20160420	By IZ8CCW and 20 op team fm Sihanoukville; focus on low bands and digital; 5 stations; 24x24 hours; QSL via IK2VUC (Buro or direct)
2016 Nov06	2016 Nov16	Micronesia	V63AJ	DF8AN	<u>DXNews</u> 20160715	By DF8AN fm Yap I (OC-012); HF; CW, some RTTY PSK
2016 Nov06	2016 Nov16	Senegal	6V1IS	Club Log	IK7JWX 20160617	By IK7JWX et al fm Isole Ngor e Goree (AF-045); 160-6m; SSB CW PSK31-63-125 RTTY, perhaps SSTV; QSL IK7JWX direct and eQSL
2016 Nov07	2016 Dec02	Tanzania	5H3MB	LotW	<u>DXNews</u> 20160927	By IK2GZU; 80-10m; SSB CW RTTY; dipoles + ground plane; QSL also OK via IK2GZU (Buro or direct), Club Log, and eQSL
2016 Nov10	2016 Nov22	Central African Rep	TL8AO	LotW	<u>DXW.Net</u> 20160728	By LA7GIA fm Bangui; 80-10m; mainly CW; QSL also OK via LA7GIA
2016 Nov15	2016 Nov17	Palau	T88QR	JJ1DQR	<u>DXW.Net</u> 20160915	By JJ1DQR fm Koror I; 80-6m; SSB
2016 Nov15	2016 Nov30	Guinea Bissau	J5	LotW	IK7JWY 20160515	By I2YSB et al fm AF-020; 160-6m; CW SSB RTTY; QSL also OK via I2YSB direct and OQRS (see Web); dates of operation approximate
2016 Nov16	2016 Dec05	Cambodia	XU7AEZ	LotW	OPDX 20160905	By Russian team fm Koh Rong Samloem I (AS-133); HF; various modes; QSL also OK via RC3C
2016 Nov17	2016 Nov20	Guam	KH2	DF8AN	TDDX 20160722	By DF8AN as KH2/DF8AN; HF; CW, some RTTY PSK
2016 Nov20	2016 Dec03	Maldives	8Q7SP	LotW	<u>DXNews</u> 20160711	By SP6EQZ et al fm Dhiffushi I (AS-013); 160-10m; CW SSB RTTY; QSL also OK via SP6FXY Buro and Club Log

W4ZR's DXCC Count



OK, so you've worked them all—or most of them at least—and nothing you need is active or expected to be in the near future. So what's a body to do?

Here's a little exercise to keep you active and QRV. NFDXA would like to increase its DXCC count for its club station W4ZR. Consider doing the following: After you work a station for yourself, work them as W4ZR, too. Even if you don't work them for yourself work them for W4ZR. Bands don't matter for now, just the mode.

After your W4ZR contact send your ADIF records to Richard, K4UTE (k4ute@comcast.net) and he will post them to LoTW. There is a W4ZR summary page of what has been worked so far. Just click the link: <http://nfdxa.com/w4zr/summary.asp>

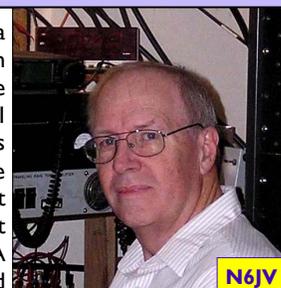
As you can see there are plenty of entities left to work in a number of modes. Just remember to update the summary whenever you make an entry after working a country. The DXCC summary for W4ZR as this is being written at 9 am September 14 2016:

CW-172 Digi-77 Fone-141
Worked 236 Confirmed 174

The New Transmitting Tube Museum — Norm Wilson, N6JV



The original idea for a transmitting tube museum was for it to be a web page with photos of all the tubes I had collected since I was about 5 years old. It became obvious that often I didn't know what I had and I didn't know where I had it. A room was constructed where I could mount the tubes in some logical order and protect them. This worked fine for several years. Problems in my neighborhood eventually required me to move after 32 years. I needed a bigger place.



Our current location is in Wilton, California on 5 acres. This property has a large garage/shop with a second story. Lots of room for tubes. The garage is shaped like a barn and the upper level has sides that curved inwards. The solution was to frame a room that would fit inside and give vertical sides to mount the shelves of tubes. After a few months we were able to finish the room with a drop ceiling, carpet, LED lighting and an air conditioner. It took several trips over a week to get all the tubes moved. The last tube was the 1.5 million water that was too big to pick up. A ramp was built over the stairs and the tube pulled up with a block and tackle.

To date, about 95% of the tubes have been installed and the remaining will require new shelves and brackets. Most of the original shelves were cut to fit a smaller room so new longer shelves will be made and add room for more tubes. I'm always looking for new ones.

Visit the museum at N6JV.com



"I do not think that the [wireless](#) waves I have discovered will have any practical application" — Rudolph Heinrich Hertz

WORLD RADIOSPORT CONTEST IS A 'CONTACT SPORT'



A major article about ham radio contesting has been published in *Epoch Times*, a newspaper with a circulation of over a million based in NYC and geared to the Chinese community in the USA and worldwide. The author, Linda Wiegenfeld,



is an independent writer who writes "general features."

This article (linked below) is feature length, includes three large photos, and describes the WRTC 2014 and several people involved in the competition in an exciting manner along with a positive description of Ham Radio in general and 'Radiosporting' in particular.

http://www.theepochtimes.com/n3/2149413-ham-radio-operating-more-sophisticated-sport-than-you-think/?utm_expvariant=D001_01&utm_expid=21082672-11.b4VAd2xRR0ybC6ydh0Aj9w.1 — Tx W4GJ



FCC Updates Notice on Amateur Radio Operation in CEPT Countries



The FCC has updated its [Public Notice](#) on Amateur Radio operation in European Conference of Postal and Telecommunications Administrations ([CEPT](#)) countries that have adopted certain recommendations regarding the US. The updated notice, in English, German, and French, includes some additional countries where operation is permitted. Licensees operating in



CEPT countries must have a copy of the *Public Notice*, proof of US citizenship, and evidence of an FCC Amateur Radio license grant. These must be shown to "proper authorities" upon request.

Subject to regulations in force in the country visited, a US citizen holding an FCC General, Advanced, or Amateur Extra Class Amateur Radio license grant "is authorized to utilize temporarily an Amateur Station in a [CEPT] country that has implemented certain recommendations with respect to the United States," according to the notice.

Advanced or Amateur Extra class operators are granted CEPT Radio Amateur License privileges, in accordance with CEPT [Recommendation T/R 61-01](#) (as amended). General class operators are granted CEPT Novice Radio Amateur License privileges, in accordance with ECC [Recommendation \(05\)06](#) (as amended).

A list of CEPT countries participating in CEPT *Recommendation T/R 61-01* as of September 16, 2016 can be found at <http://www.erodocdb.dk/docs/doc98/official/pdf/TR6101.pdf> — ARRL

Amateur Radio-Military Interoperability Exercise Set for Oct 31-Nov 1



An Amateur Radio-military interoperability exercise will take place Oct 31 - Nov 1. The event will begin at 1200 UTC on October 31 and continue through 2359 UTC on November 1 on 60 meter channels 1-4 —5.3305 MHz, 5.3465 MHz, 5.357 MHz, and 5.3715 MHz, respectively.

During this exercise, military stations will attempt to make radio contact with stations in as many of the 3143 US counties as possible. Radio amateurs providing "county status" information will receive a US Department of Defense "interoperability QSL card."

For more information, [contact](#) the Military Auxiliary Radio Service (MARS). — ARRL

Revisiting the 'Woodpecker'

How's your Russian these days? If you can Да у RS Тан д Право действий Русси бобовой пасты there's a seven-minute video on YouTube which will bring back many (mostly unpleasant) memories for DXers and others who tried to use 20 meters back in the late 70s and throughout most of the 80s. When the Russian "Woodpecker" came on it literally wiped out the band from one end to the other. Watch the video below and listen for the sound the Woodpecker made.

<https://www.youtube.com/watch?v=IjNS2X5rtY8>

Still curious about the Woodpecker? For a good summary of the Duga radar, aka, the Steel Yard (NORAD's name) and the Woodpecker, check out link below on Wikipedia.

https://en.wikipedia.org/wiki/Duga_radar



Woodpecker Antenna

DXer's Benediction - May you have a day filled with DXtraordinary miracles

CREDIT

Much the DX news, illustrations and information contained in this publication comes from a variety of sources including, but not limited to the following:

The Daily DX (DDX)
(<http://www.dailydx.com>)

Ohio-Penn DX (OPDX)
(<http://www.papays.com/opdx.html>),

DXWORLD.net
(DXW) (www.dx-world.net/)

DX news.com
More than just DX News

<http://dxnews.com/>

DX Coffee (DXC)
www.dxcffee.com/eng/

DARC DXNL (DXNL)
(<http://www.dxhf.darc.de/>)

NG3K Amateur Radio Contest/DX Page (NG3K)
(<http://www.ng3k.com/>)

The DX Magazine (DXM)
(<http://www.dxpub.com/>),

ARRL (ARRL DX)
(<http://www.arrl.org>)

Last but not least . . .
Off-air and word of mouth from those who turned on their radios, listened, and then told **The PileUp** what they heard.

— NW4C

