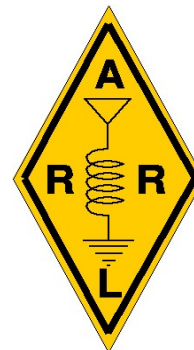


July 2023

"Ohio's First DXCC Field Checking Club"



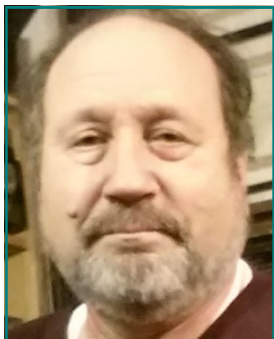
The NODXA RAG



Fireside Chat With KB8NW (written April 28, 2023)

Fellow DXers,

As I am writing this, the Day-Xenia HamVention is less than a month away. This year it will be sad to report that after 24 years there will not be a NODXA Hospitality Suite. The reason is that the Radisson Hotel Dayton Convention Center (formally known as the Crowne Plaza Hotel) closed down on October 31st, 2022. It was announced last year that it would go under a remodel; (others state it is closed for good).



<https://www.wdtn.com/news/local-news/radisson-hotel-dayton-convention-center-closing-for-foreseeable-future/>

However, on November 4th, it was announced in the Dayton Daily News, that an agreement was signed with Hard Rock Hotels that will transition the Radisson to a signature Hard Rock Hotel, and there is some chance that the Dayton Radisson property could become a new casino.

<https://www.daytondailynews.com/local/downtown-dayton-radisson-could-become-hard-rock-hotel/2KDV6MADO5FCBDBLJP2Q72RA3Y/>

Stay tuned!

As far as DXing goes in 2023, the 3Y0J Bouvet Island, FT8WW Crozet Island and CY0S Sable Island are now history. The 3Y0J Bouvet Island was sort of a big disappointment. The team did not reach their goals of over 100k QSOs and only made just under 19k QSOs. Per ClubLog, total QSOs by continent were as follows (by %): 1.7/AF, 36.0/AS, 40.8/EU, 15.5/NA, 2.1/OC and 3.9/SA. Mode breakdown (QSOs): 11498/CW, 5158/FT8 and 2189/SSB. Bands totals used by percent were: 24.7/30m, 1.3/20m, 37.0/17m, 32.4/15m, 0.9/12m and 3.6/10m.

With these totals, you could not call this DXpedition a major operation; especially with the amount of funds they collected. Another disappointment was no instant LoTW credit for NODXA (which is generally a common practice by other major DXpeditions). NODXA members would have had to use ClubLog (with an added fee) to receive credit. The FT8WW and CY0S DXpeditions had more QSOs per their operations than what the 3Y0J made. It will be interesting to see/hear what will be reported/said about the 3Y0J operation at the Day-Xenia HamVention. Enough said.....

As always, I hope to see you in the coming weeks/months, possibly at a hamfest, or NODXA's general membership meetings every first Monday of the month (unless it is a holiday -- it will be the second Monday).

As a reminder, if you have a topic to discuss about DXing or contesting, bring it up at the meeting. Also, if you would like to put on a program of some interest for the club in the coming months, let us know so we can schedule you in for a meeting. We are always looking for a program.

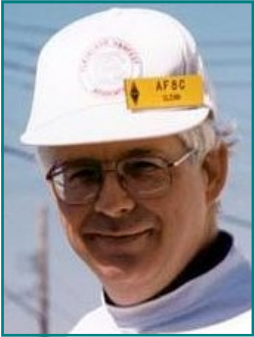
73 and Good DX, de Tedd KB8NW

P.S. Since May is here, it is time to mention that club renewals are due. The club's fiscal year is from May to May every year.

Minutes of the February 6th, 2023 NODXA Meeting

President Tedd, KB8NW, opened the meeting at 6:30 p.m. at Amici's Italian Restaurant and Bar. Fifteen members were present. After a round of introductions and the Pledge of Allegiance to the flag of the United States the secretary read the minutes for the meeting of January 9, 2023.

Thereafter Bruce, N8DJX, moved and Gary, NI8Z, seconded for the minutes to be approved. The approval was passed by vote. Treasurer Mary, N8DMM reported a balance of \$Ka-Ching! Bruce, N8DJX, moved and Dave, WD8IOU, seconded that the treasurer's report be approved and that passed on the vote. Glenn, AF8C, reported that recently the repeater had a lot of static during a club net. Our editor Dave, WD8IOU, reported that the next newsletter is in progress.



Glenn, AF8C, who had viewed the Madison DX Club video about the top 25, passed around a printed list of entities as reported, as a short transcript of the video. Editor Dave requested an email copy of the list from Glenn.

Old/New Business:

Tedd, KB8NW, reported that after last month he took a list in email of folks who worked TN8K. The list was 22 people long. He sent that to the QSL manager and members present reported they got the credit on LoTW. TN was numbered 80 on the ClubLog Most Wanted list. Technically there has been no funding requests this month. However, Tedd, KB8NW, has an email note via Dennis, K8LBT, explaining that the Isle of Rockall off Scotland, rare IOTA EU-189, will be in operation by a group that would like funding. One operator will be there on 40m through 10m on CW and SSB, as call sign MMOUKI, will be there 10 days after May 26. Bruce, N8DJX, moved and Dennis, K8LBT seconded a motion to donate \$100. The motion passed on the vote.

Tedd brought in a printed copy of the Hamradioweb.org (iz5cml.it) February DX Calendar and passed that around. Tedd reported that Hamvention tickets can now be ordered online for \$26.00. The ticket price will be \$30.00 at the door. NOARS will have their winter hamfest on March 12 at Lorain College. Tedd passed around their flyer. Also there was a printout advertising the Tusco Hamfest on April 22 in Dover, Ohio.

Pete, N8TR, reported seeing 3Y0J, Bouvet Island, has finally started up on 10.115 FT8. At Bouvet the weather is often terrible and the operation may be cut short. They will be on 15, 12, and 30m. People who already have Bouvet from a previous expedition should not call so that people who need Bouvet for an ATNO will have more chances for a contact.

Wrapup:

Tedd, KB8NW, stated that the next meeting will be on March 6, 2023 at Amici's. Bruce, N8DJX, moved and Metro, W8MET, seconded to close the meeting and that passed on the vote. This meeting closed at 6:57 p.m.

Respectfully, Glenn, AF8C, Secretary

Minutes of the March 6th, 2023 NODXA Meeting

President Tedd, KB8NW, opened the meeting at 6:30 p.m. at Amici's Italian Restaurant and Bar. Fourteen members were present. After a round of introductions and the Pledge of Allegiance to the flag of the United States the secretary read the minutes for the meeting of February 6, 2023. Thereafter Gary, NI8Z, moved and Bruce, N8DJX, seconded for the minutes to be approved with noted corrections. The approval was passed by vote.

Treasurer Mary, N8DMM reported a balance of \$Ka-Ching! Bruce, N8DJX, moved and Wayne, K8FF, seconded that the treasurer's report be approved and that passed on the vote. Glenn, AF8C, reported the repeater was OK. Our editor Dave, WD8IOU, reported that the newsletter is out on the PAPAYS.COM site under NODXA. John, K8YSE, sent out an email listing the website URL for that newsletter.

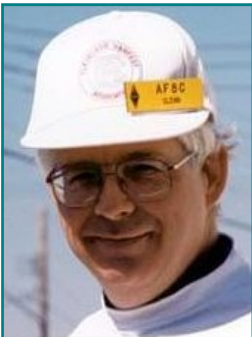
Old/New Business:

Tedd, KB8NW, received an email from the Rockall Island group that our club logo is on their

website www.rockallexped.com.

In Wayne's, K8FF, 10 meter net last week Tedd said he would ask the Bouvet operation QSL manager to expedite loading of this club members logs to the LOTW. The answer was that the timing for credit on LOTW will be determined only by the size of individual donations. Tedd asked for showing of hands on who worked Bouvet on what mode. (As an aside Tedd noted that for FT8WW the results were less than originally announced.) For Bouvet Tedd said we don't know if our logo will be on the QSL card. Dave, WD8IOU, moved that a club officer send them a formal complaint of lack of response to our \$1000 donation. Tedd offered that we should not complain until we get our cards. Bruce, N8DJX, seconded the motion which then was passed on the vote.

On other matters, we had one request for donations. That one was from the F6KOP club that wants funds for rebuilding the club station TU7C on Côte d'Ivoire (Ivory Coast). TU7C will operate around May 1. That entity is ClubLog ranked number 137. Bruce, N8DJX, moved and Wayne, K8FF, seconded that we donate \$100.00 to that cause. This passed on the vote.



Glenn, AF8C, provided a description of his 2022 proposal to the ARRL committee handling Logbook Of The World, a proposal for a new type of "Digital QSL Card" that is a variation of a standard LOTW submission. Glenn was asking if the proposal could be published in the next club newsletter. After some discussion Ken, W8KEN, moved and Bruce, N8DJX, seconded a motion that the proposal be printed in the newsletter and that motion passed on the vote.

Tedd reminded us of the NOARS winter hamfest this weekend. Tedd handed out calendars of what DX is happening in March. Metro, W8MET, announced the date of the next CARS VE exam. Glenn, AF8C, added that there will be a VE exam session at the NOARS winter hamfest. Due to time Tedd announced that officers nominations due tonight will happen in April.

W8KEN has developed a spreadsheet file to assist on DX tracking and you can ask him for a copy of the file. Tedd then described the old "One Ringer Club" that way back was popular for a long time. W8MET announced that his working Bouvet will boost his DXCC count to 331, making him eligible for DXCC Honor Roll.

Wrapup:

Tedd, KB8NW, stated that the next meeting will be on April 3, 2023 at Amici's. Dave, WD8IOU, moved and Bruce, N8DJX, seconded for the meeting to be closed and the motion was voted approved. The meeting closed at 7:25 p.m.

Respectfully, Glenn, AF8C, Secretary

Minutes of the April 3rd, 2023 NODXA Meeting

President Tedd, KB8NW, opened the meeting at 6:30 p.m. at Amici's Italian Restaurant and Bar. A total of 16 members and guests were present. After a round of introductions and the Pledge of Allegiance to the flag of the United States the secretary read the minutes for the meeting of March 6, 2023. Thereafter Gary, N18Z, moved and Metro, W8MET, seconded for the minutes to be approved. The approval was passed by vote.

Treasurer Mary, N8DMM reported a balance of \$Ka-Ching! Dues are due in May. Metro, W8MET, moved and Linda, N8LRS, seconded that the treasurer's report be approved and that passed on the vote. Glenn, AF8C, reported the repeater was OK. Our editor Dave, WD8IOU, reported that he is looking for articles for the next newsletter and can take input from the members. Tedd said that the NOARS hamfest was pretty well attended.

Old/New Business:

Tedd, KB8NW, received a thank-you for our donation of \$100 to the F6KOP group. They will soon have a web page up. Our INDEXA subscription was due. Dennis, K8LBT, moved and Gary, N8IZ, seconded and the vote passed for our \$20.00 renewal. Via direct email, the Lakshadweep Islands, VU7W, group sought donations for their April 15-29 operation. They are ranked number 51. Dennis, K8LBT, moved and Dave, KZ8Y, seconded a motion to send them \$200 and this passed on the vote.

Another request was from the Persevere DX Group going to Clipperton Island. The Island was last on in 2012. In September, 2016, the Island became a Protected Marine

"The Mission of the Northern Ohio DX Association is to promote and support Amateur Radio and the DX Community around the world."

Reserve. Their call TX5S will be on 160 through 6 on all modes during January 18-February 2. The 15 operators aim for 80 thousand to 100K QSOs. The QSL manager will be MOURX. QSLs on OQRS will be \$5.00 for direct mail. Dennis, K8LBT, moved and Gary, NI8Z, seconded to have this tabled until September, 2023.

The Dayton DX Dinner will have KO8SCA, Adrian, from the 3Y0J operation as speaker. Prizes will be an IC7610 and an IC705. The tickets cost \$45.00. Info is on SWODX.ORG. CARS will have a bus to Dayton.

The summary of nominations for officers follow in brief form as Nominee, (first nominator and second nominator). Treasurer Mary, N8DMM (NI8Z and KZ8Y); Secretary Glenn, AF8C, (K8LBT and KZ8Y); Vice President Dennis, K8LBT (NI8Z and KZ8Y); and President Tedd, KB8NW (KZ8Y and NI8Z). Motion to close the nominations, NI8Z and K8LBT.

The Cuyahoga Falls Hamfest is on April 15. The TUSCO Hamfest is on April 22. World Radio Day is April 18, with lots of stations on the air worldwide. Only a few members have LoTW confirmations from 3Y0J. Our 3Y0J QSLing discussion was capped by Tedd stating that he will write a letter to the 3Y0J group expressing our dismay about the QSL payment rules. Pete,

N8TR, said that EXOM was on today. Glenn, AF8C, saw them on 17m FT8 this morning. There will be no NODXA hospitality room this year. Tedd passed around our P29RO card and a new printout of the DX Calendar.

Wrapup:

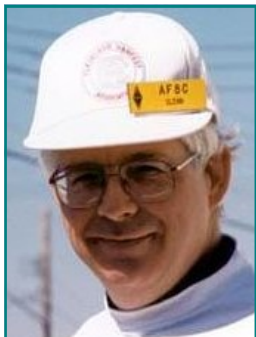
Tedd, KB8NW, stated that the next meeting will be on May 1, 2023 at Amici's. Linda, N8LRS, moved and Metro, W8MET, seconded for the meeting to be closed and the motion was voted approved. The meeting closed at 7:17 p.m.

Respectfully, Glenn, AF8C, Secretary

Minutes of the May 1st, 2023 NODXA Meeting

President Tedd, KB8NW, opened the meeting at 6:31 p.m. at Amici's Italian Restaurant and Bar. A total of 15 members were present. After a round of introductions and the Pledge of Allegiance to the flag of the United States the secretary read the minutes for the meeting of April 3, 2023. Thereafter Gary, NI8Z, moved and Denny, WB8K, seconded for the minutes to be approved. The approval was passed by vote.

Treasurer Mary, N8DMM reported a balance of \$Ka-Ching! Dues are due in May. Linda, N8LRS, moved and W8MET, seconded that the treasurer's report be approved and that passed on the vote. Glenn, AF8C, reported the repeater was OK. Our editor Dave, WD8IOU, reported that he is still looking for articles for the next newsletter and can take input from the members. At Dayton Dave will gather photos to add to the newsletter.



Old/New Business:

Pete, N8TR, explained that really he has not yet received a 3Y0J card. Linda, N8LRS, stated that there will be VE exams on May 14 in Independence, Ohio. Tedd announced having received a Thank You from Yuris, YL2GM for our donation to the VU7W DXpedition. TU7C, a club station, is on the air from Cote d'Ivoire (Ivory Coast). This is the station supported by the rebuilding support from the F6KOP club that we funded for \$100 in March.

Then we considerably discussed Tedd's letter that will be sent to the 3Y0J group protesting their policy on versions of cards being mailed out and Logbook of The World credit given only on the basis of pre-operation financial support. Tedd's opinion was that the letter should be held until we see how QSL cards are really sent out. But tonight's attendees felt that the letter should go out without further waiting. So Dave, WD8IOU, moved and Wayne, K8FF, seconded a motion that the letter should be sent out immediately. That motion passed on the vote.

Tedd stated that all ARRL members should be receiving an email requesting via survey the opinions of ARRL members regarding ARRL wishing to raise annual dues. Then Wayne, K8FF, reported that in March his ten meter net had three attendees. In April there were nine attendees. He questioned whether the nets should continue. After some discussion came the suggestion to move the net to the third Thursday of the month. K8FF moved and Dave, WD8IOU, seconded a motion for the third Thursday on 10 meters and the motion passed on the vote.

Tedd passed out a new list of upcoming DX activity. There has been a report that Spratly Island has been up on 20 meters. So far none of our members have been able to hear them. An equipment sales list relative to W8JJI was out on email. If the list can be supplied it can go out on our reflector and sent to NOARS. Tedd wished everyone fun at Dayton.

Wrapup:

Tedd, KB8NW, stated that the next meeting will be on June 5, 2023 at Amici's. Tedd will be absent from that meeting. Linda, N8LRS, moved and Metro, W8MET, seconded for the meeting to be closed and the motion was voted approved. The meeting closed at 7:09 p.m.

Respectfully, Glenn, AF8C, Secretary

Laci, OM2VL, with the NODXA sponsored Ohio QSO Party plaque



NODXA Letter To 3Y0J Leadership



To The Leaders of the 3Y0J Team,

This is being written on behalf of the Northern Ohio DX Association (NODXA) membership and not just one individual. With the combination of funds from NODXA and several NODXA members, we were able to donate \$1000 for your efforts to activate Bouvet Island. This is the most amount of funds that our small club has ever donated to one DXpedition. However, the NODXA membership was totally disappointed when told that the members would not receive instant LoTW (Logbook of The World) credit for their contacts (which is generally a common practice by other major DXpeditions) and would have to use ClubLog (with an added fee) to receive credit.

NODXA acknowledges your courageous effort to activate Bouvet Island, but it was well short of what your group promised when collecting the funds. The NODXA membership understands that your team had some harsh and major challenges on the island. However, your team should have known and better prepared for these challenges. The 3Y0J team had plenty of time and info about the island from past operations. Being better prepared, the 3Y0J team would have made their goals as promised.

If there had been acknowledgement of NODXA's members LoTW credit, this letter probably would not have been necessary.....

From the Membership of the Northern Ohio DX Association

Response from Ken/LA7GIA

Tedd,

I find it quite amazing to receive this unsigned letter by some members of your club. You're the only club that has sent such a letter, and you're the only club still requesting the LoTW despite we have informed about how this will be done.

You have to decide if you want a LoTW or if you want to complain about the performance, the team, the planning and the skill of the team activating Bouvet in difficult conditions. It is obvious that your members have insufficient knowledge and competence about how the DXpeditions was conducted, the reason we had to scale it back and how we had to organize it, in addition to what challenges and risk we had to assess and decide upon while at Bouvet. I would be more than happy to attend a zoom meeting to go into details so your club members will get a first hand information what challenges we were facing.

However, such meeting will not change anything wrt your LoTW request. No other club have received instant LoTW and no exemption will be made for NODXA.

Thank you, 73 Ken

January 2023 TN8K DXpedition English translation by OK1DIX

The Congo (prefix TN, full name: the Republic of the Congo) - is located on the west coast of Africa in the equatorial region. It is very similar in size to Germany, but for how big it is, it has just under 5 million inhabitants. Although the official language is French, the inhabitants speak the Kituba language. The country is quiet from a security point of view, unlike its "related" neighbor, the Democratic Republic of Congo - 9Q. TN is ranked 80th on the Clublog's "Most Wanted" list.

The Congo is a country we have been thinking about activating for years. But only now we have managed to implement a rather difficult project. It did, however, turn out a little differently than initially planned, but let's not get ahead of ourselves.

The basis of every expedition is always a ham radio license. Unless there is a license, or at least advanced negotiation, there is no point in taking any further steps. The first emails to the authorities in the Congo to obtain the license were sent in December 2021. The actual expedition was then planned for September 2022, time enough, it seemed. But, as it often happens with African institutions, communication was slow and for a long time, we were unable to get it.



In the meantime, we were looking for a QTH. As usual, several hours were spent pouring over maps and doing Internet searches for a location that would be optimal for our needs, yet not too far from the airport. We finally succeeded.

On June 23rd, 2022 we concluded that we would be able to get the license in time and took a risk by buying flight tickets for September. As fate would have it, after many urgings and e-mails, on June 18th we received two individual licenses for TN/OK2ZI and TN/OK6DJ which were unusable for the expedition. It was clear that obtaining the club license as we requested would drag on, so we re-booked the flights for January 2023. It took another two months until the club license with the TN8K callsign finally arrived! The very next day on September 16th, 2022, the expedition was officially announced and featured in amateur radio newsletters and on Facebook.

Time passed and in our minds, we were slowly drawing the setup that we would bring with us to the Congo. It was clear that in terms of equipment, this expedition would be the biggest we had ever undertaken and also that it would be the most expensive project. On November 15th, 2022 the regular pre-expedition meeting took place at Peter's QTH in Ritka. All of the antennas had been checked and packed in the four special bags and the passports of all participants were sent to Paris for visas. They returned in a reasonable amount of time on December 19th with the visas pasted in.

The meeting of the whole team consisting of Petr OK1BOA, Palo OK1CRM, Petr OK1FCJ, Pavel OK1GK, Ruda OK2ZA, Ludek OK2ZC, Karel OK2ZI and David OK6DJ took place on the morning of January 5th at Ruda's QTH. Since we didn't want to risk the morning traffic on the D1 highway, we all arrived in Moravia during the previous evening and spent the night partly at OK2ZA's place and partly at OK2ZI's place. The final packing and transporting of trunks and cabin baggage took place on the morning of January 5th and shortly before noon, everything was ready. In total, seventeen 23kg pieces of baggage and eight 12kg cabin bags were prepared. At noon, we then set off in the hired minibus to the Vienna airport. Check-in was relatively smooth, as were the flights from Vienna to Paris and then two hours later from Paris to Pointe-Noire, with a stopover in Luanda (Angola).

The first major problems came after our arrival in the Congo, where we passed through health and passport control without any problems, but were held up because of our "suspicious baggage." Although we had all of the necessary documents and the support of an official at the airport, it was not without nearly two hours of complicated negotiations. Pierre, the owner of our QTH, who was waiting for us at the airport and was present during the negotiations with customs, helped us a lot. In the end, our baggage was released, except for one trunk that didn't arrive at all and contained, among other things, 350m of coaxial cables, a very important piece of equipment, which was also almost half of everything we were carrying.



In front of the airport, we got into the prepared cars and started the 20 km-long journey to the QTH. It took almost an hour through the clogged city both downtown and along rural muddy roads. The QTH was located in Pointe Indienne - a shark fin-shaped promontory that juts out into the Atlantic Ocean. The rented house was in the northern part of the promontory, 500m from the coast, where there was an open profile with no elevation on any side. The direction to the EU, NA, and JA even sloped gently towards the coast. The house had a large garden (100×60m) surrounded by meadows and pastures, with the possibility of building antennas arbitrarily in the garden and "reasonably" in the surrounding area. There was no power connection in the QTH, but with the powerful 30kW diesel generator this was not a problem. As it turned out, the generator worked perfectly, except for one glitch, and it consumed altogether 1,200 liters of diesel during our stay. We had a cook and his family at the lodge who took care of our meals and provisions, so we could concentrate solely on our objectives.

We arrived in the QTH on January 6th at 13:00 local time. Since we wanted to be QRV on the lower bands already on the very first night, we immediately unpacked our bags with the antennas and started building. During the afternoon we had built a vertical for 160m, a vertical for 40m, a vertical for 30m, two Spiderbeams, and in deep darkness we finished also the vertical for 80m. All of the verticals had ten quarter-wave radials. The 30m and 40m antennas were temporarily set up near the house, just for the first night, knowing they would be relocated later.

After dark, we then converted the main room of the house into an operator's room and installed eight workplaces: a K3+Expert 1.3K-FA, a SunSDR2DX+JUMA, a SunSDR2pro+JUMA, an FT-DX10+JUMA, an IC-705+JUMA, another IC-705+JUMA, and finally the remaining two TS-480HXs, which were primarily intended for 6m and FT8/FT4.

The first contact under TN8K was made by Petr, OK1FCJ on 20m CW. We were working all evening on several bands, but the fatigue from the hard 24 hours of travel and building antennas was evident in our traffic. We still made almost two thousand contacts by midnight. The pile-ups were huge on all bands, so it was clear that we would not be bored.

January 7th, 2023

In the morning, part of the team was working on the antennas. First, we moved the 40m antenna away to a meadow outside our property and upgraded it from a simple vertical to a two-element phased array. Then, we also moved the 30m vertical up to the fence for the final position and upgraded it to a two-element phased system. We erected mast #3 with a trio of two-element duraluminium Yagis for 17m, 15m and 12m and then mast #4 with five element for 6m and four element for 10m. We couldn't build the last fifth mast because of the lost trunk which contained the center of the last Spiderbeam.



We stretched a receiving loop on the ground, which we hoped would help us listen on the lower bands. Suddenly a thunderstorm and windstorm came in the afternoon. Fortunately, all of the antennas survived, except for the 40m vertical which fell to the ground. Thankfully the repair only took a few minutes.

At 1600 UTC the storm was over, all damages had been repaired, and the SWR of the antennas checked. After that six stations were in operation simultaneously - 30m+6m on FT8 and 20m+17m+15m+10m on CW.

The last thing we managed to do that day in daylight was to build an RX-point behind the fence, to which all of the beverage antennas were connected. We stretched the first one, 150m long towards the EU later that day. During the day we took turns at the radios and although we spent a lot of time working on the antennas, we managed to make over 10,000 contacts thanks to the brisk CW traffic. The pileups were massive. The familiar "big guns" we worked during the start of every expedition were calling. The joy was spoiled a bit by unusual number of the undisciplined callers, which slowed down the traffic considerably. The beverage antenna was tested at night, and it worked well, but atmospheric QRN from nearby thunderstorms made listening extremely difficult.

January 8th, 2023

In the morning after dawn, we put up another antenna, a 20m wire dipole, which was pulled through a pulley to the middle of the 160m vertical. Thanks to this the coax cable from the 160m antenna did not "slack" during the day and was connected to this antenna. This helped increase the work efficiency on the

20m. This also allowed all of the Spiderbeams to be on the upper bands during the day. The 20m band behaved typically for the area, with conditions gradually deteriorating during the morning and not working at all by midday. Even on the FT8 frequencies, nothing was heard and the band only started to open up in the afternoon. Progress was also made with the receiving antennas and two more 150m beverages were stretched towards JA and NA. Some of the team then also went to test the local sea. The beach was sandy and beautifully clear, the water relatively warm but somewhat murky. We also learned that our lost trunk had arrived, but as it was Sunday and the special desk at the airport for such cases was closed we had no choice but to wait until the next day. The number of contacts was increasing rapidly and by midnight there were almost 30,000 QSOs in the log.

January 9th, 2023

The event of the day: they retrieved the lost trunk. We immediately unpacked it and took what was missing to complete our station. We assembled the eighth workplace, which was missing a power supply with wiring for the K3, and began preparing the Spiderbeam, which was the only one of the three tuned to the SSB parts of the bands. However, it could not be completed by dusk and so we postponed it until the next day. As far as possible one station was in operation permanently on SSB, three to four stations on CW, and two on FT8. Then during the day one of the stations was allocated to 6m FT8 and although we weren't very hopeful of making any contacts, we still logged the first 19 stations on this day. When we got information from the VK hams that our signals were passing into their area we gave short-term CQ VK/ZL to allow them to make contacts, as their signals were weak, and breaking through the EU or NA pileups was almost impossible for them. Unfortunately, here too we have often encountered a lack of discipline on the part of the callers who simply did not respect our directional CQ. We did our best and by the evening there were over 40,000 QSOs in the log.



January 10th, 2023

This time the whole night was very quiet. Almost no QRN on the lower bands. Unlike the previous nights the 80m band worked great and conditions were good. On the contrary, surprisingly, 160m didn't work at all. The conditions were similarly miserable also on the upper bands in the morning. During the day we finished the remaining antennas. We put up the last Spiderbeam for SSB and set up a quarter-wave vertical for 60m band in a meadow far beyond the property line. There was a lot of interest in the contacts on this band, and we made over a thousand contacts there on the first night. The only nuisance was that we had to disassemble and modify the IC-705 TRX, as it had the 60m band blocked from the factory and we had to modify the setting following the instructions on Youtube. Later in the afternoon, when it was not so hot, we built a two-element vertical system for the 40m band pointing to NA and another vertical for the 30m band. These antennas were planned, but without the coaxial cables from the lost trunk, there was no point in building them earlier. We have also managed to establish the first satellite link via QO-100, which was our premiere on this band and certainly a premiere in the Congo. We had asked the

owner of the facility to purchase a satellite dish antenna for us in town. In the meantime we had been transmitting provisionally only with the feed pointed at the inverted lid of a large pot. In order to maximize our potential we also installed the last "backup" workstation with IC-705+JUMA and so that evening the call TN8K appeared for the first time 9 times simultaneously on the air, with seven stations working in "human" modes and two on FT8. These FT8 stations were operated by operators in parallel with CW or SSB traffic on their tablets.

January 11th, 2023

Every day in the morning the upper bands worked fine to JA and so we gave these stations plenty of space. We tried the simultaneous operation of three stations on the 15m band - CW, SSB and FT8. With minor problems, it worked, mainly because FT8 was transmitting into the vertical antennas for 40m. This antenna works satisfactorily on 15m and thanks to vertical polarization there was no problem with mutual interference. After lunch, we stretched the last beverage 150m towards VK and decided to extend the JA beverage by another 100m. But that was easier said than done, as it turned out, what



looked like a meadow was actually a swamp covered with grass, and pulling 100m of wire and quarter wave radials took over an hour. If we had known what kind of terrain we were getting into, we might have changed our minds. We also took a commemorative photo to mark the 60,000 contacts in the log that day. The afternoon conditions were very good on the upper bands and lasted until midnight when the 10m band was still full of stations. Unfortunately towards the evening, there were heavy thunderstorms which swirled around our QTH and so listening in the storm QRN was very tiring. After midnight the storm was so intense that we had to make QRT for a while and disconnect all antennas to prevent possible damage to the equipment by static electricity.

January 12th, 2023

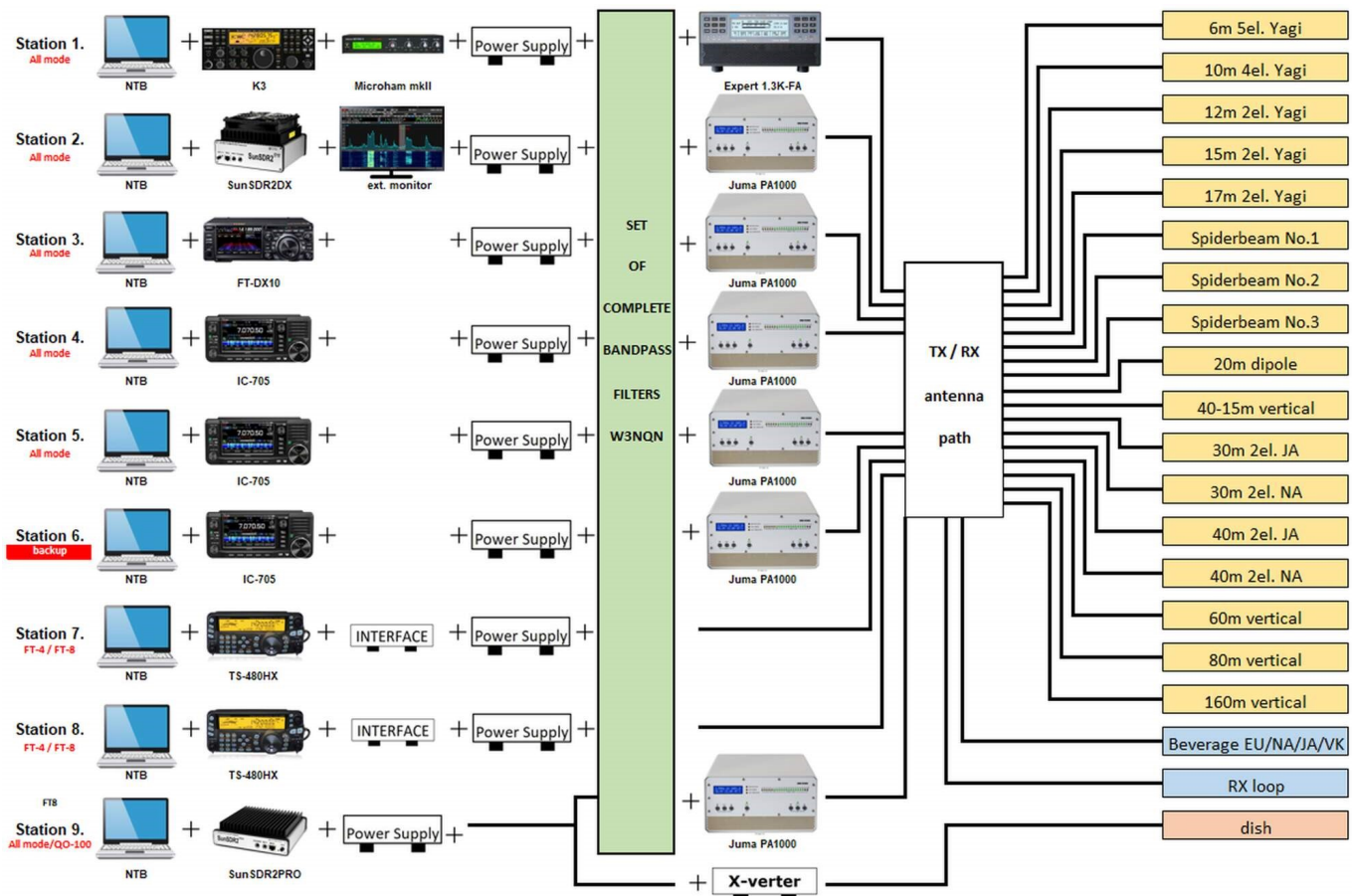
As soon as the storm subsided we got back to the stations, but shortly after the traffic had started it was over again because there was a power outage. The generator stopped working unexpectedly and did not start again. Just after dawn, the staff started working on the repair. It was found that the V-belt had broken. Fortunately, we managed to get it in town, but even so, the repair took almost the whole morning. As a result, our "unwritten" goal of 10,000 contacts per day was not met that day. We were also told that the dish antenna could not be found in any shop, so the owner of the building allowed us to dismantle his satellite dish from the wall and use it for QO-100, of course on the condition that we put it back at the end of our expedition. We also moved the RX loop further away from our facility, using the last piece of coaxial cable we had. At night, traffic continued on the lower bands and the beverage antennas were also used on the 60m workstation, where we worked on CW for a few hours, and many new stations were logged on this band.

January 13th, 2023

The conditions were weaker on the upper bands in the morning. Then another cloudburst came through and mother nature showed us her power. The floodgates of heaven opened and the rain drummed on the tin roof of the house with such force that even the reception in the headphones was heavily distorted. We had to cut off SSB traffic entirely because the microphones were picking up the noise so intensely that the operator's voice was almost lost in it. On the other hand, the conditions were excellent in the afternoon and evening after the rain. Yesterday's 60m traffic lured us in, so we continued CW that day, but listening on the vertical was difficult due to equatorial QRN. Virtually every mark was broken by the crackle and we had to have everything repeated at least once. We also had to accommodate the CW speed which further impacted the rate. Despite this, there were over 90,000 QSOs in the log at midnight. We were enjoying amazing conditions with all bands open at once, from 160m to 10m. This is something that is very difficult to experience in Europe.

January 14th, 2023

The first technical fault occurred - the band-pass filter on 15m was gone. We had three complete sets of 200W band-pass filters with us, so losing one was not a significant problem. Each workstation is always equipped with the appropriate filter and in case of extreme interference, we connect two filters in series, albeit knowing that it causes a bit of attenuation in the RX path. We experienced inter-



ference, especially when using the antennas on the same mast, just above each other. Performance-wise the filters didn't do any harm as they were connected between the TRX and the PA, and the TRXs had always enough power to drive the PA. Another significant goal was reached on this day - 100,000 contacts in the log. We briefly interrupted the traffic and took a few commemorative pictures, which we posted on our Facebook page.

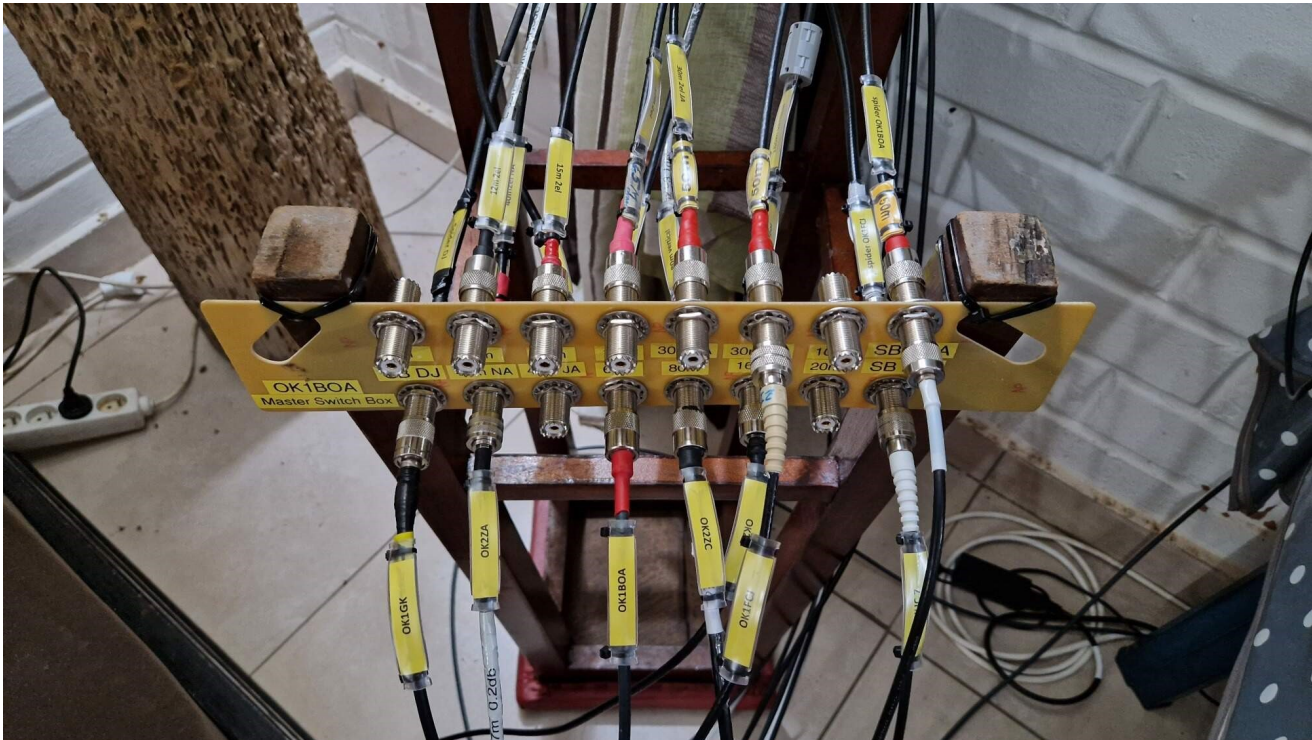
January 15th, 2023

There was rain again in the morning, sometimes very heavy. There was so much water that it did not even soak into the sand that was in the yard next to the house. Streams of water flowed under the antennas and disappeared somewhere behind the fence. Fortunately, it didn't affect the propagation conditions. The 10m band was working nicely since the morning and so we gave FM operation on 29.050

a try, which we had never done before. It was an interesting experience for everyone. Even during the morning, the number of contacts from our most successful S9OK expedition so far in 2021 was surpassed. After lunch, we had a visitor - two neighbors on whose land our verticals for the lower bands stood. Getting along with them was absolutely smooth, the gentlemen were knowledgeable and listened with interest as Karel, OK2ZI explained in French that we were a non-commercial group promoting amateur radio and advertising the Congo to the world. With a promise that the antennas would be gone from the property within a week and everything would be cleaned up, they thanked us for the explanation and left with a friendly nod. The thing almost unprecedented for Africa is that someone would allow you to do something for free.

January 16th, 2023

The lower bands were working well at night, but there were not as many stations in the log as there could have been, again due to the greatly undisciplined callers, especially on 80m and 160m. Even the Japanese stations, which are usually very disciplined, would lose their inhibitions on the lower bands and call over each other. In the morning the upper bands worked nicely and there, on the other hand,



the traffic of JA stations was exemplary. Europe was of course a mess as usual. More and more often we were encountering the annoyance of calling stations putting their callsigns twice in a row on CW. This was extremely annoying because the operator usually gets the callsign the first time and thus transmits in "stereo" with the caller when sending the report. As a result, the caller does not respond to our report and we have to repeat the entire session unnecessarily. There's no reason to do that, especially on bands from 40m upwards where the signals tend to be stable and are not significantly affected by the atmospheric QRN. On the other hand, on the 80m and 160m bands, stations that call with their callsign twice gain an advantage. There's more time to exactly tune on their signal and receive the callsign on the first go.

January 17th, 2023

There was another goal reached on this day - 140,000 QSOs in the log. We were thrilled with how the number of contacts was increasing and how the callers were checking the empty fields on Clublog. However, our joy was somewhat spoiled by the fact that the expedition was fast nearing its end. The pileups may have been a little weaker at that time, but there were still so many callers at the opening peaks that we would have had plenty to do even if the expedition had lasted a month. Today was the last day of the QO-100 operation, with over 1,500 contacts in the log. We were regularly monitoring propagation conditions. The report showed aurora and A=14 that day which made upper bands almost non-existent. We had another unexpected visitor this afternoon, a large herd of cows came in over the pasture and messed up our radials for the 80m and 160m verticals. It might seem like bad luck, but we

should rather say lucky that they came only once and only towards the end of the expedition. We had studied YouTube videos of the area before selecting the QTH and knew that herds roamed freely in the surrounding pastures and were concerned if verticals could even be installed there beyond the fence.

January 18th, 2023

The end was near, it was the last day of full operation. More and more stations were now devoting themselves to SSB at the expense of CW, where there were already nearly 50,000 contacts in the log. Once again we encountered the annoying nuisance of stations on SSB calling with just a suffix instead of the full callsign. This causes unnecessarily delaying and annoyance for the operator. This behavior is typical for stations from South America and Europe, especially from its southern part. It is not the case in the USA and certainly not in Japan. In the morning the conditions were poor, so we took time to take pictures for our sponsors and re-tuned the 80m vertical to the SSB part of the band. We also posted the information that this night would be fully dedicated to SSB traffic on both 80m and 60m, which we were often asked about on the band. Both bands had beverage antenna available for better RX. The RX loop barely worked this time, probably because it was too close to the transmitting antennas. On both of our previous expeditions to S9 and HK0/A the loop was far from everything and worked very well.



January 19th, 2023

We worked all night on the lower bands. It was the last night there. We could feel that many callers were nervous as they knew if they didn't make the QSO now, they never would. A lot of well-equipped stations tried the "trick" and although they couldn't hear us properly, they called repeatedly and even gave the report right along with the callsign foolishly thinking we would log them. Naturally, when we called these stations they didn't respond because they couldn't hear us. Of course, they are not in the log because the QSO has not been mutually confirmed. Unfortunately, we have to say that even some well-known OK amateur stations also resorted to this ugly practice and we were saddened by this.

In the morning the packing of antennas started. First the beverages, then verticals for 160m+80m+40m. From phased pairs, only one pair on 30m and one on 40m remained standing. Before dusk, we packed two Spiderbeams. By morning only one Spiderbeam and two masts with duraluminium Yagis remained. On our last night, we were QRV from 40m to 6m with at least one antenna on each

band. It rained heavily during packing. On the previous expeditions, the weather was always good for packing, but this time mother nature decided otherwise.

In the meantime, we had received a warning about the transport strike in France which could affect our air transport. Indeed many flights were canceled, but fortunately, the plane that we were due to return on departed from Paris. We continued to operate, albeit limited, all evening, with over 160,000 contacts in the log. After checking the table on the GDXF website it looked like we might be able to reach 6th place.

In the morning Karel and David briefly activated their valid TN/OK2ZI and TN/OK6DJ personal licenses and made about 200 CW contacts just for fun before they fell into their beds with fatigue.

January 20th, 2023

At 6:20 in the morning, we made the final QRT. TN8K was history. The log showed a fantastic 164,939 contacts. We quickly lowered all the remaining masts and the whole team, although very tired, started dismantling them. By noon everything was packed and tidied up and a photo shot of the whole group took place including the staff who looked after us magnificently. In the afternoon the hired cars arrived and the whole group moved to Pointe-Noire, where Pierre booked a restaurant and invited us to lunch together. Then it was time to say goodbye and move to the airport, where Pierre arranged for a helper from Air France to help us check in.



However, once again it was not without problems. The check-in took almost three hours. Two of our bags with antennas were allegedly over the size limit, no explanation or persuasion helped. We had to pay an extra fee for oversize baggage, a total of 600,- EUR. The airport staff is corrupt. When checking the baggage by X-ray they were openly demanding bribes. The highlight then was the uniformed police officer who was doing a "check of cash exported out of the country" before passport control and wanted to see all of our wallets. She unscrupulously told each of us to give her some money. Although she claimed not to speak English, she knew the phrase "give me money" very well. She was not interested in the Czech crowns offered, though. We've seen a lot of things on our travels in the world, but nothing like this. We were also surprised by the double check of the contents of our cabin baggage, first at passport control and then again just before boarding. As much as we had a good time in the Congo and liked it the bureaucratic buffoonery at the airport was so frustrating that we wanted to be all out of there. Fortunately, the plane left on time and after a short stopover in Angola and an hour's

wait on the airport tarmac, continued on to Paris for a night flight. Everyone, even those having trouble with it, fell asleep on the plane from fatigue.

January 21st, 2023

The plane landed in Paris while it was still dark. The transfer to the next flight was without any problems, as well as the flight itself. All baggage arrived in Vienna, but one was damaged and a claim had to be made. The hired minibus was waiting for us and the journey to Rudy's QTH was also smooth. There, we were warmly welcomed by Rudy's wife with a cauldron of delicious sirloin steak with cream sauce, which we all devoured with great gusto. In the course of the afternoon, we then went our separate ways home, and at 10 pm the last member arrived. This was the real end of the whole adventure.

12:54



clublog.org

First QSO: 2023-01-06 18:46:00

Last QSO: 2023-01-20 06:20:00

Band/Mode breakdown

Band	CW	FT8	FT4	SSB	RTTY	FM	Total	Total %
160	1954	1465	14	0	0	0	3433	2.1%
80	3675	2271	539	315	0	0	6800	4.1%
60	660	2978	320	96	0	0	4054	2.5%
40	4799	6943	2467	1741	0	0	15950	9.7%
30	5238	7066	2300	0	1197	0	15801	9.6%
20	5093	8241	3199	4959	1625	0	23117	14.0%
17	7753	5954	3576	4662	0	0	21945	13.3%
15	9069	9437	3394	7174	0	0	29074	17.6%
12	8005	4865	3271	6164	0	0	22305	13.5%
10	5782	6179	2832	4812	0	1172	20777	12.6%
6	0	99	0	0	0	0	99	0.1%
2	0	25	10	0	0	0	35	0.0%
13	324	371	277	577	0	0	1549	0.9%
Totals	52352	55894	22199	30500	2822	1172	164939	

We would like to thank all of the stations that called and made a contact with us. We couldn't have done it without them and we believe it was fun for everyone. At least the feedback on Facebook speaks unanimously that it was. Thanks to our host Pierre, who adapted the interior of his house for our needs and provided us, a strange gang from Czechia, with ideal conditions plus allowed us to do literally whatever we wanted with the antennas on and around the property. Thanks to the couple Giselle and Rene who were in charge of our food and safety and took absolutely great care of us. Thanks to Murphy who was in our favor this time. The equipment worked as it should, nothing broke except one filter. Most importantly, all of the antennas worked as they were supposed to.

We would also like to thank the sponsors, both the organizations and the individuals. Without their help, this costly mission would not have been possible.

Our sponsors: Northern California DX Foundation, European DX Foundation, International DX Association, Greater Milwaukee DX Association, German DX Foundation, Swiss DX Foundation, DX-news, Cliperton DX Club, Far East DX Ploitiers Foundation, Oklahoma DX Association, Mediterraneo DX Club, CDXC UK DX Foundation, Danish DX Group, SDXG, Minnesota TCDXA, Southeastern DX Club, Lone Star DX Association, GM DX Group, OH DX Foundation, [Northern Ohio DX Association](#), National Capitol DX Association, East Tennessee DX Association, Northern Illinois DX Association, Araucária DX Group, Spiderbeam, Mastrant, DD-amtek.

From among individuals we were supported by a large number of amateurs and we thank them all, especially K0GEO, N1HO, OG2M, OK5MM, HB9FPM A HB9JOE, OK6RP, AC0W, OK1NS, OK1ALX, OK1CF, OK1FPG, OK2MDC, OM3PC, OM5ZW, TF3SG, IK0AGU, OM4TW, OK2IT, OK1NP, N3OC, GM3WOJ, WO9I, ZL1IU, HB9BAS, KQ4DPH, TF3DC, OK2ARM, OK2NMA, WF8R, DK2CF.

The result puts us in 6th place in the official Megaexpeditions all-time ranking (<https://gdx.de/megadxpeditions/honorroll.php>). With thirteen days of operation and only eight operators, this is a spectacular achievement. By the time you read these lines, the QSL tickets are already in production. As soon as we receive them, the arduous procedure of distributing them will begin, which as usual will be taken care of in an exemplary manner by David OK6DJ. OQRS direct requests have already been confirmed at LoTW.

For detailed statistics see <https://clublog.org/charts/?c=TN8K#r>

Equipment used:

TRX: 1x K3, 1x FT-DX10, 3x IC-705, 1x SUN-SDR2DX, 1x SUN-SDR2PRO, 2x TS-480HX.
PA: 6x JUMA PA1000, 1x Expert 1.3K-FA

Antennas:

160m vertical with capacitive hat + 10x quarter-wave radials
80m vertical + 10x quarter-wave radials
60m vertical + 10x quarter-wave radials
40m 2el. vertical phased system + 2x10 quarter-wave radials to JA
40m 2el. vertical phased system + 2x10 quarter-wave radials to NA
30m 2el. vertical phased system + 2x10 quarter-wave radials to JA
30m vertical + 10x quarter-wave radials
20m - 10m 5-band Spiderbeam @10m
20m - 10m 5-band Spiderbeam @10m
20m - 10m 5-band Spiderbeam @12m
20m inverted V-dipole @10m
17m - 2el. Yagi
15m - 2el. Yagi
12m - 2el. Yagi
10m - 4el. Yagi
6m - 5el. Yagi

RX antennas:

3x beverage á 150m (NA, EU, VK)
1x beverage 250m JA
RX loop

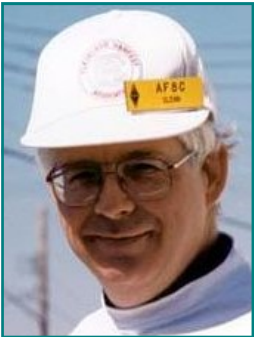
Written by the TN8K team, English translation by OK1DIX

A Proposal For "Digital QSL Cards" by Glenn, AF8C

This is a proposal to solve the problem of obtaining QSO* confirmations from operators who do not upload logs to Logbook of The World (LoTW) in a reasonable time after demonstrating computer familiarity on modern digital modes such as FT8. The proposed solution is "Digital QSL Cards" that are compatible with LoTW but which are not anything like emailed card photos or eQSL showings.

PROBLEM STATEMENTS

Users of FT8 and other digital modes in amateur radio by example confirm that they are familiar with use of computers. But some of them are very reluctant to part with QSO confirmations by periodically uploading their logs to LoTW. In some cases a paper QSL card can be purchased on the OQRS website, followed by weeks of delay for the card to arrive due to international postal mail delay. In other cases an operator both refuses to use LoTW or to send a paper card in the mail. It is not the intent of this proposal to shortcut payment for a QSL confirmation. Also this proposal does not intend for the website eQSL.cc or other websites to be shut down. And this proposal is not intended to eliminate mailing of paper QSL cards which are often sought just for the personal interest aspects. We do not want to eliminate the exchange of real paper QSL cards for people who like to receive the artistic and photographic personalization of QSL cards. But for some of us the problem is to get that one QSL card that is needed in order to finally reach DXCC or Honor Roll or Number One.



SOLUTION

What is being proposed is an alternate way to quickly transfer via an emailed attachment a log confirmation and a QSL card image that can be compatible with LoTW entry by local use of software technology to transfer and confirm a QSO with both ends of the transfer into LoTW being applied by the same person. The technology would use ARRL TQSL-like certificates and a special new "app".

JUSTIFICATIONS

There is a strong desire to shorten the time required to obtain faster QSO confirmation but at the same time continue to have available for use some secure unhackable methods of proof. We want to eliminate the old fashioned long waiting period.

DEFINITION

For this proposal the common terminology of "block" and "packet" so often appearing in computer usage is being replaced by a new made-up word. I am coining the word "paclet" to be the implemented format for the data file that would comprise the first part of a digital QSL card. A paclet would be created by the first operator using a new type of LoTW data transfer app. The paclet would be assembled from a TQSL certificate or a variation thereof, along with ADIF data for a QSO being confirmed, and if desired, a QSL card image. All that data would be packaged by the app with any appropriate wrappers or hashing techniques that would make the internal data completely secure. The paclet, which has been requested by the second operator, the requestor, would then be emailed to the requestor as the "QSL card". The requestor could then add his own ADIF data to the paclet along with his own appropriate identification, and upload it to LoTW because presumably he wants the confirmation in LoTW.

The first operator creating the paclet would have obtained his personal certificate and the special new app, by logging into the LoTW platform only one or two times to obtain the initial information. Thereafter the first operator would not really have to connect to LoTW again if that operator is so inclined to discontinue usage of LoTW.

Secure paclets built with the assigned TQSL certificate would need to be designed to prevent "loaning" any of any data to another person as a fake first operator but somehow support the functionality of a second person acting as a QSL manager. So a means would be needed to permit an operator's logs and certificate to be used by a QSL manager because that functionality is still necessary. This is an important exception to the no loaning rule.

In the older technology of using printed QSL cards, and/or use of TQSL certificates as we know them today, there is a high degree of certainty that a contact is completely confirmed without fraudulent means. Final confirmation today involves ARRL card checkers or gaining LoTW processing matches. Generally it is not expected that those two forms of QSL confirmation have been forged or hacked. I suggest that the proposed packet exchange, properly designed, could be as secure as the former means of confirmation.

IMPLICATIONS AND CONSEQUENCES

The requestors wanting to receive digital QSL cards would still need to request confirmation, perhaps with up front funding, via the usual methods of sending their requests via email or PayPal.

"Classic" use of two-party LoTW ADIF file processing would not need to be eliminated by this proposed change. Nor would the process of requesting of printed QSL cards need to be affected. Both of those could continue to be used in their present form.

Because of the "app" word association with smartphones, conceivably this whole process could even be workable with smartphones, texting, SOTA, POTA, Field Day, and so forth.

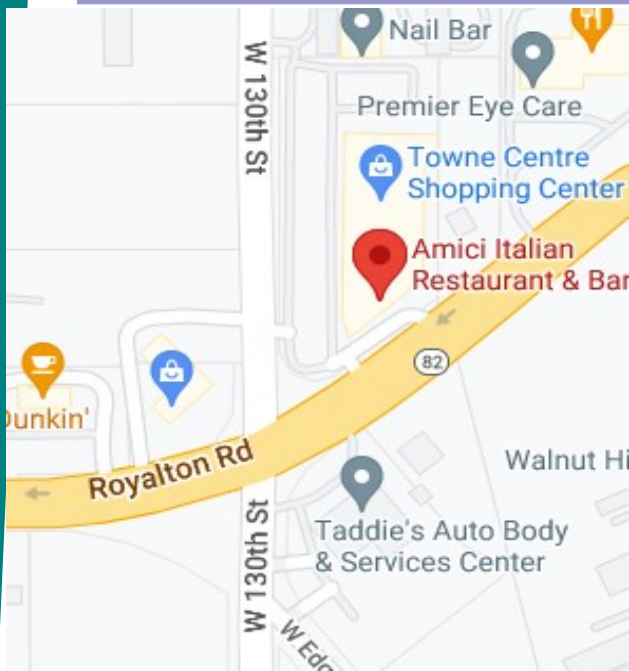
The ARRL funded the development of the original Logbook of The World. How this new technology development would be funded is outside the regime of this proposal.

CONCLUSION

So I hereby propose that the ARRL has access to willing authors and coders of LoTW and TQSL who have the necessary skills to create these new technology items. It should be done.

Clublog 25 Most Wanted Countries 2022 by Bernie, W3UR

	A	B	C	D	E	F
1				W3UR MDXC VIDEO (2022)		
2				CLUBLOG 25 MOST WANTED		
3						
4	VIDEO RANK	CLUBLOG #	PREFIX	ENTITY	LAST ON	PROJECTION
5	1	1	P5	DPRK (NORTH KOREA)	1995 4 OPS	POLITICAL
6	2	2	3Y/B	BOUVET ISLAND	(2023 3Y0J)	(2023)
7	3	3	FT5/W	CROZET ISLAND	(2023 FT5WW)	(2023)
8	4	4	BS7H	SCARBOROUGH REEF	2007 BS7	POLITICAL
9	5	5	CE0X	SAN FELIX ISLANDS	2002 XR0X	CHILE PERMIT
10	6	6	BV9P	PRATAS ISLAND	2003 BQ9P	POLITICAL
11	7	7	KH7K	KURE ISLAND	2005 K7C	POSSIBLE
12	8	8	KH3	JOHNSTON ISLAND	2003 KH3/KT6E	POSSIBLE
13	9	9	3Y/P	PETER 1 ISLAND	2006 3Y0X	POSSIBLE
14	10	10	FT/G	GLORIOSO ISLAND	2009 FT5GA	POSSIBLE
15	11	11	FT5/X	KERGUELEN ISLAND	2017 FT5XT	N/A
16	12	12	YV0	AVES ISLAND	2007 YW0DX	POSSIBLE
17	13	13	VK0M	MACQUARIE ISLAND	(2022 VK0MQ)	2 YEARS?
18	14	14	ZS8	PRINCE EDWARD & MARION ISLANDS	2017 ZS8Z	2 YEARS?
19	15	15	KH4	MIDWAY ISLAND	2011 KH4/W5FJG	POSSIBLE
20	16	16	PY0S	SAINT PETER AND PAUL ROCKS	2015 PY0S	POSSIBLE
21	17	17	PY0T	TRINDADE & MARTIM VAZ ISLANDS	2015 PQ0T	3-4 YRS MAYBE
22	18	18	KP5	DESECHEO ISLAND	2009 K5D	N/A
23	19	19	VP8S	SOUTH SANDWICH ISLANDS	2016 VP8STI	LONG TIME
24	20	20	KH5	PALMYRA & JARVIS ISLANDS	2016 K5P	POSSIBLE
25	21	21	ZL9	NEW ZEALAND SUBANTARCTIC ISLANDS	2016 ZL9A	CLOSED
26	22	22	FK/C	CHESTERFIELD ISLANDS	2015 TX3X	CLOSED
27	23	23	EZ	TURKMENISTAN	2006 EZ8CQ	POLITICAL
28	25	24	VK0H	HEARD ISLAND	2016 VK0EK	NOT ANY TIME SOON
29	24	25	YK	SYRIA	2010 YK1BA	AFTER THE WAR



Meeting Information

NODXA Meetings are held the first Monday of each month at the *Amici Italian Restaurant & Bar* at 13000 Royalton Road east of Interstate 71 on the northeast corner of Route 82 and West 130th. in North Royalton at 6:30 PM. Come early and have dinner and meet your fellow DXers and enter the 50/50 raffle.

NODXA Information

N08DX: Special Event Callsign
 W8DXA: NODXA Repeater 147.360

Web-site: <http://www.papays.com/nodxa.html>
 Newsletter Submission: wd8iou@adelphia.net

NODXA Club Officials for 2022-2023

President:	Tedd Mirgliotta,	KB8NW	(440-237-2816)
V. President:	Dennis Stuber,	K8LBT	(440-628-1959)
Secretary:	Glenn Williams,	AF8C	(440-934-5566)
Treasurer:	Mary Michaelis,	N8DMM	(440-236-5426)
Newsletter:	David Autry,	WD8IOU	(440-238-0417)



INDEXA

DXCC Info

As of January 2018, the current DXCC Entities total is: **340**.

NODXA Application and Renewal Form

The Northern Ohio DX Association is a non-profit organization with a primary interest in DXing. We encourage all DXers to join our group and share the interest and fun of DXing.

Please complete the application below and send along your appropriate dues or renewal to:

NODXA, P.O. Box 361624 , Strongsville, Ohio 44136

First Time Membership/Renewal (U.S. and DX) \$20.00

Name _____ Callsign _____
 Address _____
 City _____ State/Prov. _____
 Country _____ ZIP _____
 E-mail _____
 Telephone _____
 ARRL Member? _____ Exp. Date _____ DXCC Member? _____
 Special Interest _____

Newsletter Contributors

Thanks to the following for their contribution to this months edition: N8TR, N8DMM, KB8NW, AF8C, K8YSE, K3UR, OM2VL, OK1DIX, and OK1GK .