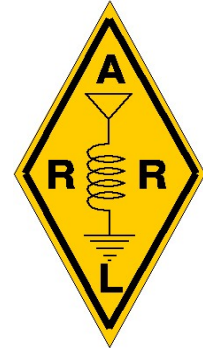


April-May-June 2018

"Ohio's First DXCC Field Checking Club"



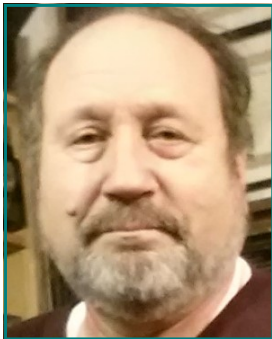
The NODXA RAG



Poolside Chat (Almost there!) With KB8NW

The Day-Xenia HamVention has now come and gone. The turnout seems to be great. Local coverage by the media guessed attendance around 32k.

The weather was not the best but tolerable. It rained off and on. The most improved area at the HamVention was the flea-market. Remember, this is only the second year at the new venue and more improvements are in the works. Many have stated that it is still much better than Hara Area, and if you have not heard, Hara Arena has been finally sold to someone in Kentucky. No word on what they are going to do with it.



NODXA's hospitality suite this year had a new hostess - my XYL, Linda. Janeen Hire, W8ZET, who was our suite's hostess for many years decided to retire last year as well as remarry. Her late husband, Jim, W8ZET, started the hospitality suite at the Crown Plaza some 23 years ago (possibly longer), and Janeen kept it going for more than a decade after Jim's passing. The club

again thanks her for running and hosting the hospitality suite for all these years. This was the first year my wife ran the hospitality suite, and she did a great job. The many DXers and Contesters were happy and satisfied with the hospitality NODXA provided.

Now that June is here, the next NODXA event is participation in the annual ARRL Field Day, June 23-24th. As always, the invitation is open to everyone to come out visit the members (or non-members), enjoy the camaraderie with Contester/DXers, and possibly operate (we always need operators although it is not mandatory to operate). There will be plenty of food, munchies and drinks. It is a great get together for the club and other area hams. Details about the NODXA's Field Day site should be some- where in this newsletter. Hope to see you there.

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.

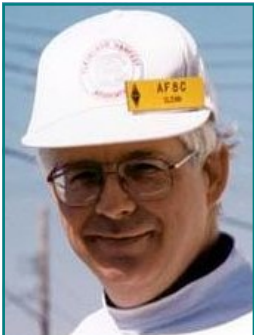
73 and Good DX, de Tedd KB8NW

P.S. If you have not done it yet, it is time to renew your club membership. The club's fiscal year is from May to May. This helps NODXA with big expenditures (Dayton Hospitality purchases, Field Day, donations to DXpeditions...etc.)

Minutes of the February 5th, 2018 NODXA Meeting

President Tedd, KB8NW, opened the meeting at 7:30 p.m., with 12 members and guests present. After a round of introductions, reciting the Pledge of Allegiance was the next order of business.

Thereafter the secretary read the minutes for the meeting of January 8, 2018. Bruce, N8DJX, moved and Ron, K8VJG, seconded that those minutes be approved as corrected, and the following vote approved the minutes.



Then Treasurer Mary, N8DMM, reported that the treasury balance was \$Ka-Ching! Francis, K9IC, is now a new member. Gary, NI8Z, moved Bruce, N8DJX, seconded to approve the treasurer's report as given and the motion passed on the vote. The repeater was reported as being OK except for static when the antenna is wet (so said Glenn, AF8C). The newsletter editor was absent this evening. Submittals of contributions to the newsletter are always accepted.

Old/New Business:

Tedd reported that donations to 6O6O and 3D2EU went out. NODXA logos are on their Web sites. 3D2EU sent a thank you note. The note by Ron, PA3EWP, is here for viewing. Dave, KZ8Y said 6O6O is now running 9X. NODXA member John, K8YSE, has completed QSOs for WAC on Satellite. Former Great Lakes Division Director Jim Weaver, K8JE is a SK. He was recently received an ARRL Lifetime Achievement Award. The Ohio SM newsletter by Scott, N8SY, is out. In the next order of business we had on the table a request for a donation to Ducie Island, VP6D. They plan to have 7 stations on the air, 160 to 10m, on SSB, CW, and Digital. Tedd said there have been two previous operations there. One operation was by the group lead by Kan, JA1BK. Perhaps there was another. Gary, NI8Z moved and Rick, K8ZH, seconded to donate \$250.00 to VP6D. This passed on the vote.

Cards are in the mail for the recent 9U4M operation. We have a new donation request for a Mozambique operation in May, 2018. They will actuate two rare IOTAs, AF-066 and AF-080. Bruce, N8DJX, moved and Rick, K8ZH, seconded a motion to donate \$100 to the Mozambique group. The motion passed on the vote. Tedd reminded us of the Mansfield Hamfest scheduled for February 18. Denny, WB8K, told of a rumor that this year's Mansfield Hamfest will be the last one. Tedd announced that the NODXA Spring Luncheon will occur in mid-March, perhaps March 14. Tedd announced that the nominations for election of officers will occur at the March meeting.

Wrapup:

Bruce, N8DJX, moved and Ron, K8VJG, seconded that the meeting be closed, and the motion was passed on the vote. The next meeting will occur on March 5, 2018. No raffle drawing took place. The meeting closed at 7:53 p.m. in order to have time for the VKOEK video.

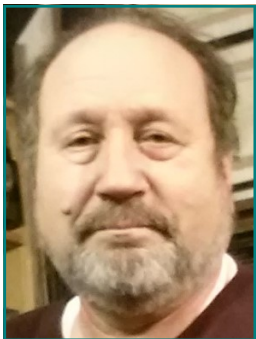
Respectfully, Glenn, AF8C, Secretary

Editor's Note: The March 5th 2018 meetings minutes are not available at publication time so they will be in the next edition of the **RAG**.

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

Minutes of the April 2nd, 2018 NODXA Meeting

President Tedd, KB8NW, opened the meeting at 7:32 p.m., with 15 members and guests present. After a round of introductions, reciting the Pledge of Allegiance was the next order of business. Thereafter the Vice President, Dennis, K8LBT, read the minutes (since the club Secretary was absent due to a family commitments) for the meeting of March 5, 2018. Ron, K8VJG, moved and Bruce, N8DJX, seconded that those minutes be approved as corrected, and the following vote approved the minutes.



Then Treasurer Mary, N8DMM, reported that the treasury balance was \$Ka-Ching! She added that an old member, Jim, K8OZ, who moved to Albuquerque, NM, rejoined the club because he enjoyed NODXA's newsletter. Also mentioned, club dues are due in May. The club's fiscal year runs from May to May. Gary, NI8Z, moved and Bruce, N8DJX, seconded to approve the treasurer's report as given and the motion passed on the vote. The repeater was reported as being OK. The newsletter editor Dave, WD8IOU, stated the next newsletter has been delayed. Submittals of contributions to the newsletter are always accepted.

Old/New Business:

Tedd reported that donation to 3COW and 3C3W went out and acknowledgements have been received as well as the club's logo on their Web page. The spring post-contest luncheon occurred on March 14th with 13 attendees. Tim, K3LR, and Bob, W5OV, from DX Engineering (DXE), attended the event and provided a \$50 gift certificate to DXE. Pete, N8TR, won the certificate. Metro, W8MET, reminded everyone that there is a bus available to go to the Dayton-Xenia HamVention and he had brochures. Dave, WD8IOU, states it is time to start planning for the 2018 ARRL Field Day. We will need a nighttime CW operator this year, and we will also need help for setting up Field Day. We also need someone who can send traffic messages to the Section Manager and Great Lakes Director.

Tedd, KB8NW, announced that a press release was sent out by both CQ Magazine and the ARRL on April 2nd, that the CQ's WAZ Award is now available using ARRL's Logbook of The World (LoTW). He also mentioned that the Z60A QSOs and log are now on LoTW. Tedd, KB8NW, read off a list of various DXpeditions that would be on for the month of April. The final wrap-up of the club's elections took place. Gary, NI8Z, moved and Bruce, N8DJX, seconded the approval to cast a white ballot to re-elect the current slate of officers and the motion passed on the vote.

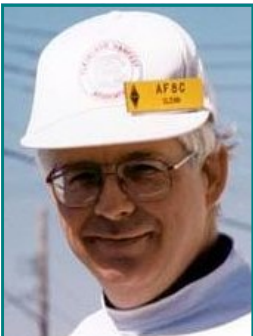
Wrap-up:

Bruce, N8DJX, moved and Linda, N8LRS, seconded that the meeting be closed, and the motion was passed on the vote. The next meeting will occur on May 7, 2018. The 50/50 raffle basket of \$26.00 was split with winner Dennis, K8LBT, who donated his half back to the club. Joe, N8QXC, provided two door prizes from Harbor Freight (a magnetic dish and Multi-Screwdriver). Denny, WB8K, won the magnetic dish, and Linda, N8LRS, won the Multi-Screwdriver. The meeting closed at 8:18 p.m.

Respectfully, Tedd, KB8NW, NODXA President

Minutes of the May 7th, 2018 NODXA Meeting

President Tedd, KB8NW, opened the meeting at 7:30 p.m., with 16 members and guests present. After a round of introductions, reciting the Pledge of Allegiance was the next order of business. Glenn, AF8C, read the minutes for the meeting of April 2, 2018. Then Bruce, N8DJX, moved and Ron, K8VJG, seconded a motion for those minutes to be approved as corrected, and the following vote of approval passed. Then Treasurer Mary, N8DMM, reported a treasury balance was \$Ka-Ching! She added 15 members have already paid their dues for 2018. Club dues are due in this month. Gary, NI8Z, moved and Bruce, N8DJX, seconded a motion to approve the treasurer's report as given and the motion passed on the vote. The repeater was reported as being OK. The newsletter editor Dave, WD8IOU, has started the next newsletter. Submittals of contributions to the newsletter are always appreciated.



Old/New Business:

Tedd reported that the Hara Arena has been sold to a development group. For the 2018 Hamvention® Tedd needs a check from Mary for funding the hospitality suite. An amended motion by Bruce, N8DJX, which was seconded by John, K8YSE, moved that \$500.00 be allocated for the hospitality suite supplies. The motion passed on the vote. Tedd reported he has already been buying consumables for that purpose.

Next, the INDEXA membership needed to be renewed at a cost of \$20.00 and Tedd had already covered that and needs the treasurer to repay that. Today Tedd received a letter from the handler of the K8BCK estate. The document was a probate voucher for Karl's equipment. Tim, W8TAH, is donating his radio equipment to the club after dropping out of amateur radio. Tedd reported that the Bouvet team got part of their money back after the aborted expedition. As a result we hope part of our donation will be refunded. Some of the 3Y team members will be at our hospitality suite.

Field Day discussions began, CW operator, Goose, W8AV, only can be at Field Day part of the night. A second operator is needed to cover the remaining part. Bruce, N8DJX, will cover the cost of liability insurance for Field Day. Ron, K8VJG, reported obtaining permission to once again use the grounds at the usual Field Day site. Denny, WB8K, will cover operating satellite contacts.

Next, Joe, N8QXC, showed off his new 3 band mobile radio acquired at the Cuyahoga Falls Hamfest. Pete, N8TR, remarked about the new WAZ option in Logbook of the World. When he looked up his standings in that, he found he already had 198 zones, and he was still missing 18 zones on 80m, and 23 zones on 10m. Then John, K8YSE, reminded folks to check their TQSL certificates and version status. Version 2.4 is out now. Tedd reported there was no news regarding the June Baker Island operation. Rick, K8ZH, complemented the Ham Gallery Web site created by K8CX. Rick has some estate items to take to the Hamvention® if they are not sold beforehand. There was a report that Bob, W8GC, has some butane solder torches to sell or be sold at the Hamvention®.

Wrap-up:

Bruce, N8DJX, moved and Dennis, K8LBT, seconded that the meeting be closed, and the motion was passed on the vote. The next meeting will occur on June 4, 2018. The 50/50 raffle basket of \$30.00 was split with winner Tedd, KB8NW, who donated his half back to the club. The meeting closed at 8:14 p.m.

Respectfully, Glenn, AF8C, Secretary

My New ICOM IC-7300, part 3—Wrap up by Dan Romanchik, KB6NU

Here's the final installment on my IC-7300 comments. This will be a mishmash of things, including a comment on the rig's performance, other features that I've used, and features that I have yet to use.

Physical dimensions

The radio is wayyyy smaller and lighter than the IC-746PRO. This would, of course make it better for field use, but it also makes more space on the bench for base station applications.

Receiver performance

I really don't have the equipment to do a real receiver performance test, but I can say that I think that the receiver is somewhat more sensitive than the IC-746PRO receiver. Sherwood Engineer [ranks it 15th](#) in terms of third-order dynamic range.

The DSP filters work a lot better than the DSP filters in the IC-746PRO. If I set the bandwidth to 500 Hz, for example, I do not hear stations outside that bandpass. On the IC-746PRO, that's just not the case.



USB port

While it's really nice to be able to connect the radio to a computer with just a single USB cable, it was harder than I thought it should be to set up. And, there seems to be an RFI issue. You definitely should purchase a shielded cable to connect your IC-7300 to a computer.

Key jacks

Unlike the IC-746PRO and most other higher-end radios, the IC-7300 has only a single key jack, which accommodates both straight keys (two-conductor plugs) and paddles (three-conductor plugs). This led to a little bit of confusion after I updated the software. When I switched to CW mode, the radio began sending a series of dits. It took me a while to figure out that the default is for the key jack to be configured for paddles, and I had connected a two-wire plug from my outboard keyer. At least I didn't have to build a separate cable or rewire the plug.

No CHIRP support

I was hoping that CHIRP would support the IC-7300 so that I could easily configure the memories. CHIRP does support the IC-7100 and the IC-7200, but not the IC-7300. I tried setting CHIRP to the IC-7100, but that unfortunately did not work. A ticket has been opened to add IC-7300 support, but it doesn't look like there's been a lot of progress. I'm going to take a look and see how hard it would be to

do this myself.

Miscellaneous

The headphone jack is a 3.5 mm phone jack, not a 1/4-in. jack. I like that because the headphones that I'm using have the smaller plug. This might be a bit of a hassle if all of your headphones have the larger plug, though.

The radio has a built-in antenna tuner capable of matching SWRs up to 3:1. I haven't used this feature yet, as my HF antenna is a non-resonant doublet, tuned with an external antenna tuner. I don't doubt, however, that the antenna tuner will work as well or better than the one in the IC-746PRO, which I used extensively before I put up this latest antenna.

One interesting feature of the antenna tuner is that it has an "emergency mode." In this mode, you can use the tuner with antennas that present an SWR of up to 10:1, but the radio limits the output power to only 50 W.

Well, that's all for now. I think I'll go down to the shack, fire up the IC-7300 and make a few contacts.

Field Day 2018 by David Autry, WD8IOU

It's Field Day time again! June 23 and 24 to be exact. As usual, we will do a low-key, just for fun, operation. As a result, we will not have a GOTA station this year because of all the extra work required to set it up; the club will participate in the 2A class using two stations: SSB, and CW/RTTY. We also have a 6 meter rig for both SSB and CW.

The NODXA site is the same as last year, the Mount Augustine Training Center located on 5232 Broadview Road in Richfield. *A map to the Field Day site is on the next page.*

Everybody is encouraged to attend this 24-hour marathon, and, most of all, to operate! We especially need CW operators to keep that station running for the full 24 hours.

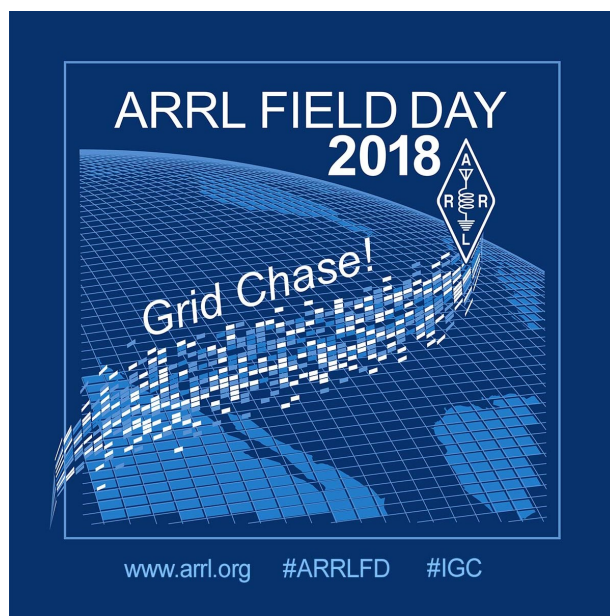
Field Day is a great way to introduce young people to ham radio. So bring your grandkids, nephews/nieces, etc.

Pete, N8TR, is planning an early setup of tents and antennas Friday evening around 6 PM. Everybody is encouraged to stop by and help out; this will decrease the amount of work required on Saturday morning.

The contest starts at 2 PM Saturday and ends at 2 PM Sunday. Operators are real scarce during the "3rd shift" (12 AM to 8 PM) so it would be a great help for our club's score if we could have a couple more operators during those hours. The rig in the CW tent will be an Elecraft K3 so here is your chance to operate a top-of-the-line radio!

The club has allocated some money for food and drink so there should be plenty to eat. But we will need some cooks so, even if you don't want to operate, stop on out and flip some burgers!

Remember to bring the bug spray, folding chairs, sun screen, and 807's! See you there!





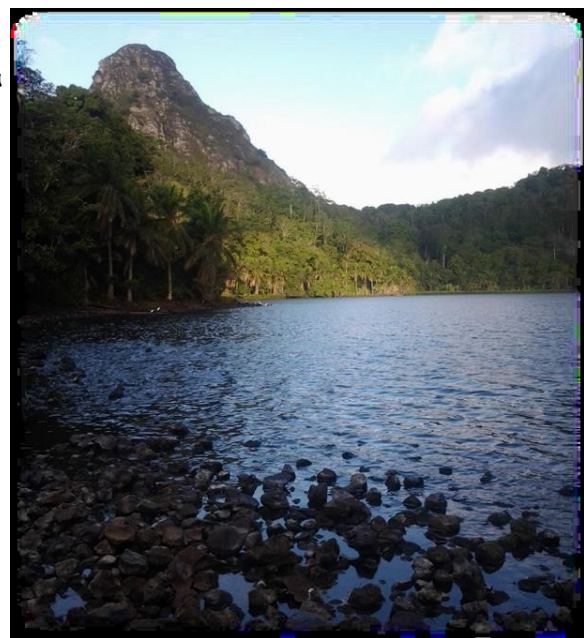
Republic of Equatorial Guinea - Annobon and Bioko. Oct 9 - Nov 12, 2017

Part 2 By Yuris, YL2GM

Sunday, October 22nd

Very early in the morning Eduard and Alida gives us a tour to see significant places on the island. One of them includes the island mountain - an old volcanic crater with freshwater lake in the middle, which is the main water supply for the island. It is surrounded by subtropical forests and for some time there has not been any rains and the water level in the lake has decreased, which is the reason of some water supply shortages we had.

To get there we had to hike for an hour and it was challenging, but worth it. After that, we continued to the mountaintop and during our hike we ate some delicious natural mango fruit that were fallen from trees growing on the path side. With the sunrise we reached the mountaintop and the scene from there was amazing. We took some pictures and spent there all day. In the evening we went back and we reach the village when it was already dark. We were very tired after the hike but it was worth it.



Mountaintop and freshwater lake

Monday, October 23rd

After a good nights rest we await Monday with hopes to get some news about our flights, but as usual, we get the answer - maybe tomorrow, maybe after tomorrow or maybe on weekend.

I also had to see a doctor to check my ear, because I lost hearing with one ear. After some cleaning procedures, it was all ok again. There is a new hospital built on the island, but its not operational because of electricity shortage so for now they are staying in the old one until the electricity upgrades will be completed.

During the day we had some connectivity issues with the transceiver and computer, but after some time we manage to fix the problem.

In the evening we get some good news, the water supply has finally reappeared and it is possible to take some nice hot shower.

Twenty minutes after electricity switch on there are some major problems with the grid, voltage fluctuates from 0 - 250V all night and with these kind of fluctuations we cannot use our equipment. Let me remind you that on the island the power is available only from 6pm till 6am. During that time we use our PA and work with 800W and all other time we use one noisy generator that can supply only 1 transceiver to operate with 100W.



Path to the mountaintop and wild mango tree

Tuesday, October 24th

We take down 18m vertical and during the day we operate with Folding antenna hexbeam and vertical on 30/20/15m. In the evening, our friend Eduard takes back his generator. It was very old and noisy but it was our only option and thanks to Eduard who gave it to us without asking anything in return.

Wednesday, October 25th

We pay a visit to the local school within the "Hams with hearts" program and after that Eduard takes us to see Annobon`s most beautiful white sand beach called "Love beach", which actually was quite close to us all the time but we did not manage to go for a swim there even once.

After that, we go back to our QTH and start to take down Folding antenna when we receive a call from Eduard and he says that we have one hour till our plane back Malabo. In a rush, we pack our equipment and antennas and while doing that we already see a plane landing on the island. Alida with friends takes us to the airport where we see



people gathering and waiting to board the plane. It turns out that president of Equatorial Guinea has sent his plane to the island because the Ceiba flight company is having some problems with planes. We were very pleased to fly on a presidential airplane.

We land in Malabo airport next to some plane hangars that are approximately 2km away from main airport and it has no transport available to carry us with our 100kg baggage to the arrivals.

Our friend Jonny meets us in the airport and takes us to our hotel.



Thursday, October 26th

All day goes by with unsuccessful QTH position search and additional transceiver DHL shipment customs. State officials want significant amounts of money in custom "taxes". Like always, no responsible persons or officials with whom we have to speak are here and we are told to come back tomorrow. Saturday is Election Day and everyone is preparing for it. This is the 2nd holiday that affects our plans.

Friday, October 27th

First thing in the morning, we go to solve our problem with the customs and it is unsuccessful again. After that, we move to other hotel that is located 50km away from Malabo to start operate with at least one station. We found this hotel before and it was the best option for QTH. It is located near ocean coast with local electricity supply 36kW generators so electricity should not be a problem. Until dusk, we manage to set up Folding antenna and working station. In the meantime, hotel administrator talks on phone with hotel owner to consult and finally our papers with the letter signed by the Minister are accepted and the green light is given to start operate.



2x36kW generators

Saturday, October 28th

During the night, we make around 3000 QSOs.

In the morning hotel owner comes and visits us, he is very friendly and helpful towards our project. We tell him about amateur radio and demonstrate how we operate. Afterwards, we set up vertical RA6LBS, the only problem is the little space available, but we manage to do it next to costal slope and squeeze it in between the trees. After 2nd operating day we have around 6000 QSOs. Currently we are working only with one station and we are trying to resolve the custom problems for second transceiver.

Monday, October 30th

In the morning I go to Malabo to deal with customs issues and to get our 2nd transceiver. Nothing goes as planned, usually the customs chief is out of office and I'm being told to come back tomorrow. This continues for four days and in "taxes" I have already paid close to new transceivers full value. In the end, customs security representative tells me it's forbidden to bring transmitting devices in to the country without special permits from the state. I guess it would have been easier just to send the transceiver back to home, however, with so much energy and money spent on this I tried one more last option, to ask Communication departments' Director for help. He is the man who helped us get operating licenses. I visited him next morning and told about our problems and after 3 hours transceiver was in my hands and I was on my way back to hotel.

Saturday, November 4th

Next couple of days we spend in real resort, starting every day with a swim in the ocean, breakfast and dinner in restaurant, and most important - operating in the air with both stations.

Rest of the days goes by fast and the time has come to think on how to get home. Previously bought flight tickets on October 23rd are lost and we have to buy new ones - on Monday, November 13th.

Sunday, November 12th

Last QSO at 05:01 with F8BUO. During day we pack our bags, take down antennas and we wait for taxi that was ordered to pick us up on 6pm. Two hours go by and no taxi shows up. We call the taxi company and they inform us that all taxi orders have been cancelled and they will not drive because of the elections on Sunday. We look for other options and around 10pm we find a restaurant visitor who is willing to help and take us to Malabo.

Monday, November 13th

Our flight to Madrid that was scheduled on 6am is delayed because the airport is still closed after Sunday elections. We spend one more day in hotel at Malabo and fly home on Tuesday morning.



RA6LBS vertical antenna

the

HAMS WITH HEARTS PROGRAM



During 3COL/3C1L expedition for "Hams with hearts" program we raised 817€ in total and spent 309€. Left over 508€ will be used for "Hams with hearts" program in our next ex-

pedition.

On Annobon we managed to visit school only on 25th of October, which was one of the last days on the island and this visit had to be accepted by the school principal. Because of irregular flights to mainland, it was not possible to buy all the things we intended, so this time we had to go only with some basic exercise books, pens, pencils and some sweets, all that was available in the local shops on the island. We visited the very little ones, 5-6 year old pupils, who had just started their school journey and were in the first class.

Overall, we did not manage to make that much impact if we compare what we did in Bangladesh and it's mainly because of limited resources on the island and irregular flights (none) to the mainland. As one lesson learned, next time we will try to bring some first aid needs with us if possible.



You can read more about "Hams with hearts" here:

<http://indexa.org/hamswithaheart.html>

http://www.lral.lv/3c0l_3c1l/hwh.html

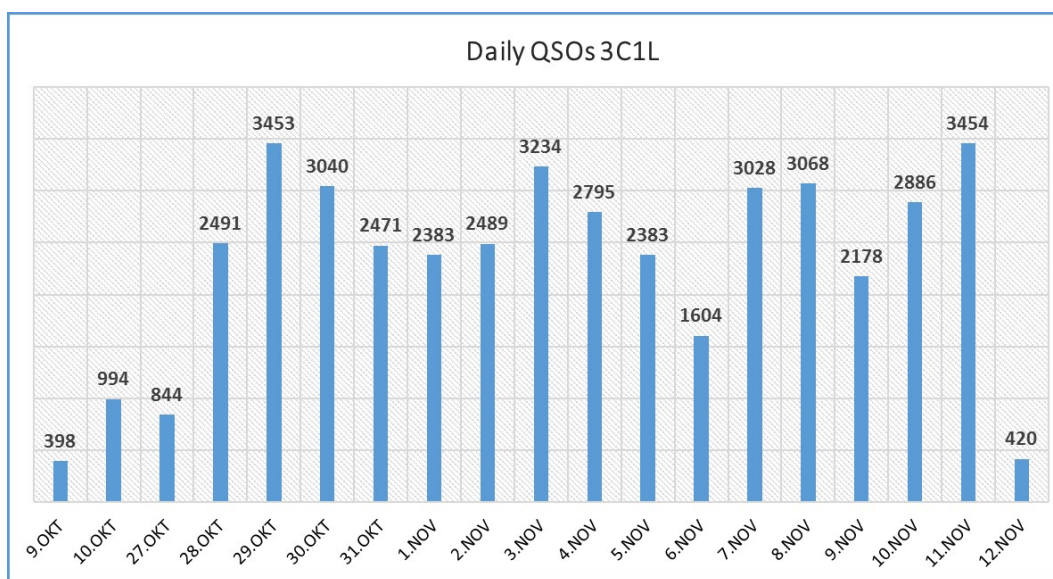
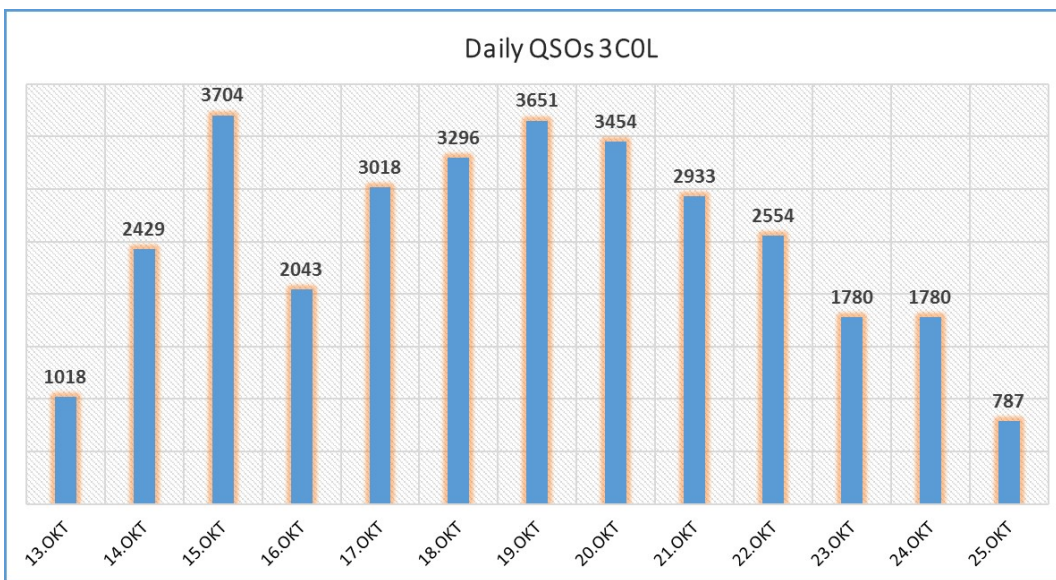
LESSONS LEARNED

We have to plan and bring our own power generator with us to Annobon. The only local 2kW generator we could find was in very poor condition and could not supply our stations with necessary power. During nighttime, when power was supplied through grid, it frequently was unstable and with fluctuations, which caused technical problems for our equipment.

In addition, again I am very satisfied with SPE Expert 1.3K-FA power amplifier performance, even with grid fluctuations from 100 - 240V it provided very stable output. This PA proved itself in our previous expeditions and it defiantly is on top of my list.



STATISTICS



Band/Mode breakdown 3COL

Band	PH	CW	RTTY	Total	Total %
160	0	1521	0	1521	4.7%
80	0	1895	0	1895	5.8%
40	0	3281	0	3281	10.1%
30	0	3039	0	3039	9.4%
20	2178	3441	0	5619	17.3%
17	2029	4337	0	6366	19.6%
15	1401	4191	0	5592	17.2%
12	778	2581	0	3359	10.4%
10	145	1630	0	1775	5.5%
Totals	6531	25916	0	32447	100.0%

Band/Mode breakdown 3C1L

Band	PH	CW	RTTY	Total	Total %
160	0	1366	0	1366	3.1%
80	0	2445	0	2445	5.6%
40	0	4985	23	5008	11.5%
30	0	5412	622	6034	13.8%
20	4396	5865	396	10657	24.4%
17	1469	5281	515	7265	16.7%
15	1913	5322	517	7752	17.8%
12	0	2409	0	2409	5.5%
10	0	677	0	677	1.6%
Totals	7778	33762	2073	43613	100%

DXCC by Band/Mode breakdown 3C0L

Band	PH	CW	RTTY	Total
160	0	62	0	62
80	0	69	0	69
40	0	93	0	93
30	0	85	0	85
20	80	91	0	107
17	67	95	0	96
15	81	95	0	107
12	32	77	0	84
10	22	65	0	70
Totals	106	127	0	136

DXCC by Band/Mode breakdown 3C1L

Band	PH	CW	RTTY	Total
160	0	57	0	57
80	0	71	0	71
40	0	95	13	95
30	0	97	50	99
20	103	106	42	124
17	72	96	56	102
15	82	98	51	105
12	0	74	0	74
10	0	60	0	60
Totals	118	128	73	143

Continent by Mode 3C0L

Band	PH	CW	RTTY	Total	Total %
AF	95	148	0	243	0.7%
AN	0	0	0	0	0.0%
AS	264	1389	0	1653	5.1%
EU	3217	16449	0	19666	60.6%
NA	2591	7325	0	9916	30.6%
OC	4	44	0	48	0.1%
SA	360	561	0	921	2.8%
Totals	6531	25916	0	32447	100.0%

Continent by Mode 3C1L

Band	PH	CW	RTTY	Total	Total %
AF	105	177	20	302	0.7%
AN	0	0	0	0	0.0%
AS	608	4050	269	4927	11.3%
EU	4464	21383	1417	27264	62.5%
NA	2307	7374	317	9998	22.9%
OC	14	78	4	96	0.2%
SA	280	700	46	1026	2.4%
Totals	7778	33762	2073	43613	100%

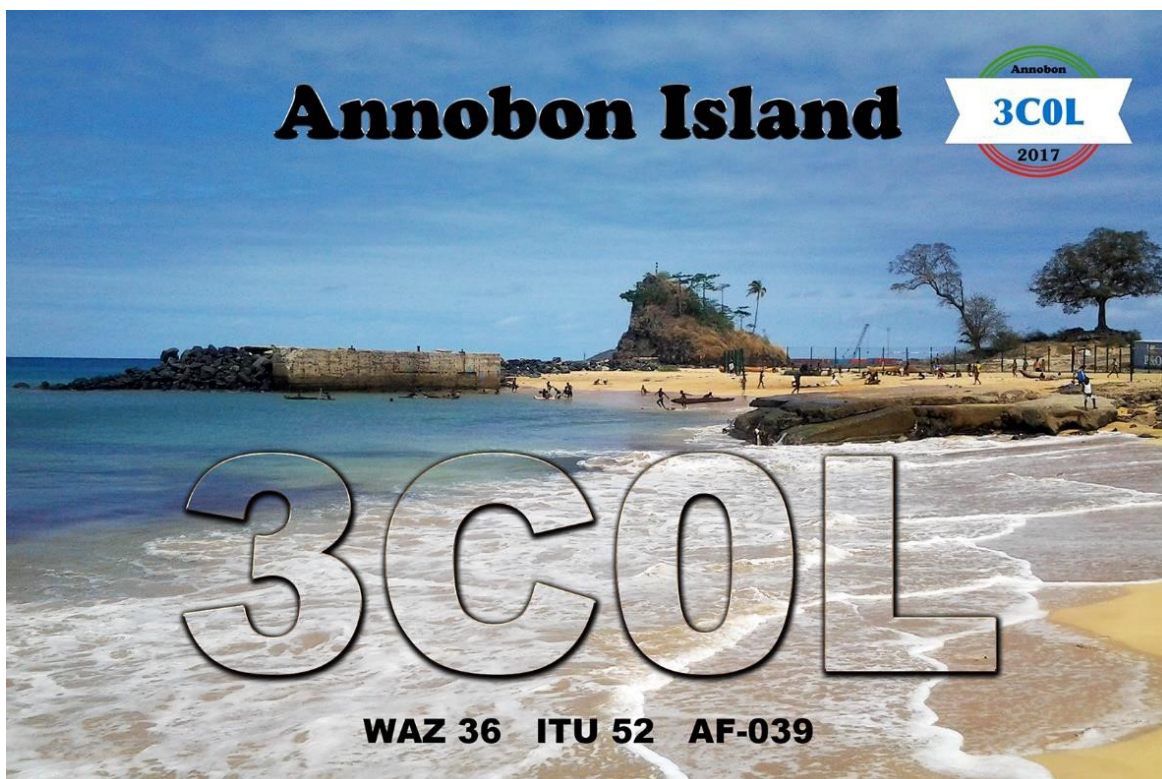
Continent by Band 3C0L

Band	160	80	40	30	20	17	15	12	10	Total	Total %
AF	6	11	15	12	33	54	53	37	22	243	0.7%
AN	0	0	0	0	0	0	0	0	0	0	0.0%
AS	23	23	271	557	342	202	169	58	8	1653	5.1%
EU	963	1111	1607	1750	2537	5266	3430	2190	812	19666	60.6%
NA	518	710	1272	658	2499	778	1766	948	767	9916	30.6%
OC	1	3	10	5	15	4	5	4	1	48	0.1%
SA	10	37	106	57	193	62	169	122	165	921	2.8%
Totals	1521	1895	3281	3039	5619	6366	5592	3359	1775	32447	100%

Continent by Band 3C1L

Band	160	80	40	30	20	17	15	12	10	Total	Total %
AF	3	9	18	41	97	51	59	17	7	302	0.7%
AN	0	0	0	0	0	0	0	0	0	0	0.0%
AS	105	334	860	1349	1469	277	480	42	11	4927	11.3%
EU	925	1437	2680	3309	5196	5141	5871	2088	617	27264	62.5%
NA	329	627	1312	1181	3553	1656	1133	206	1	9998	22.9%
OC	1	1	8	17	23	18	17	4	7	96	0.2%
SA	3	37	130	137	319	122	192	52	34	1026	2.4%
Totals	1366	2445	5008	6034	10657	7265	7752	2409	677	43613	100%

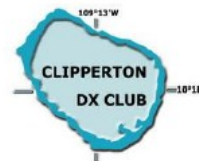
QSL CARDS

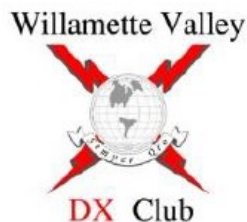




EXPEDITION SUPPORTERS

Clubs and associations





Individual supporters 100\$+

YL2PJ	N4II	JA1BK	N7NR	K6QU	DL8WX	K7GEX
MD0CCE	AL7TC	N0ABA	LY2BAW	SP3DOI	EY8MM	W6RLL
AF6PK	YL2KL	W8UN	W1MU	W9EWZ	OG2M	WS5W
NN4T	W6SZN	JS1NDM	JA1ANR	K4IQJ	K7THM	N5MOA
JH1OBS	OH4MFA	YL3FT				

Full supporter list available on expedition website:

http://www.lral.lv/3c0l_3c1l/supporters.html

CONCLUSION

Instead of 4 weeks expedition it turned out for 6 weeks. I find this expedition to be successful and I am satisfied with the results given the conditions we had. In total we made around 76000 QSOs. We gained great experience and we learned new things for future expeditions. With this article I conclude 3COL/3C1L expedition and I thank all our expedition supporters. I also would like to thank our friends who supported our team: Eduard, Alida and our home support team.

In addition, I have some good news for those who did not manage to work us this time! We are planning to conduct one more expedition to Equatorial Guinea already this month, February 2018. More information coming soon on new expedition website and as usual in email. I wanted to give you as much as possible information and details in this article, and that is the main reason why we could not publish this sooner. Please be understanding about this.

For more pictures and video clips, please see expedition movie:

<https://www.youtube.com/watch?v=aLN2O8zsXUg>

Thank you for reading and see you on bands soon!

73, Yuris /YL2GM/

Dayton 2018 Pictures by David Autry, WD8IOU

I have just two pictures from Dayton (Xenia) this year, both were sent to me courtesy of Pete, N8TR. I was too busy manning my flea market spot to venture out and take pictures. So if you have any interesting (or boring) pictures from Dayton, please send them to me via wd8iou@adelphia.net.



Mary, N8DMM, made a lot of money for the club selling good stuff.



Dave, WD8IOU, couldn't even buy lunch selling his crap.



Meeting Information

NODXA Meetings are held the first Monday of each month at the *Gourme Family Restaurant* at 15315 Pearl Road (Rt. 42) just west of Interstate 71 and south of Rt. 82 in Strongsville at 7:30 PM. Come early and have dinner and meet your fellow DXers and enter the 50/50 raffle.

NODXA Information

NO8DX: 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 2017-2018

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, YL2GM, and KB6NU.