

SB DX @ WW < KB8NW \$OPDX.1271  
Ohio/Penn DX Bulletin No. 1271

The Ohio/Penn DX PacketCluster  
DX Bulletin No. 1271  
BID: \$OPDX.1271  
June 27, 2016  
Editor Tedd Mirgliotta, KB8NW  
Provided by BARF80.ORG (Cleveland, Ohio)  
Written/Sent From Strongsville, Oh

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, AB5K & the AR TelNet Clusters Network, K1XN & GoList, NJ1Q & W1AW, WO2N, NG3K & ADXO, W3UR & The Daily DX, N4AA & QRZ DX, N4GN/4F1GN, N6PSE, K8GI, K8YSE, W8GEX & 60m DX News, WB8YJF, W9ILY, DL1SBF, DL7UXG & The DX News Letter, DxCoffee.com, DXNews.com, DX-World.Net, ES1CW, F6AJA & Les Nouvelles DX, I1JQJ/IK1ADH & 425 DX News, I2MQP & DX Italia News, IT9MUO, OZ6OM & 50 MHz DX News, RSGB IOTA Web Site, Sixitalia Weekly, VA3RJ & ICPO, and VHF-DX-Portal (MMMonVHF) for the following DX information.

\*\*\* SPECIAL NOTE FROM EDITOR: Sorry for the small content this week. I was very busy during NODXA's Field Day activities. See FaceBook at <https://www.facebook.com/NorthernOhioDxAssociation>. Thanks for understanding and I hope everyone had fun during this weekend's ARRL Field Day event.... 73 de Tedd KB8NW

DXCC COUNTRY/ENTITY REPORT: According to the AR-Cluster Network for the week of Sunday, 19th/June, through Sunday, 26th/June there were 209 countries active. Countries available: 3A, 3B8, 3B9, 3D2, 3DA, 3V, 3W, 4J, 4L, 4O, 4S, 4X, 5A, 5B, 5H, 5R, 5T, 5W, 5X, 5Z, 6Y, 7Q, 7X, 8P, 8Q, 8R, 9A, 9G, 9H, 9J, 9K, 9L, 9M2, 9M6, 9N, 9Q, 9V, 9Y, A3, A4, A6, A7, A9, AP, BV, BY, C3, C6, CE, CE9, CM, CN, CP, CT, CT3, CU, CX, D2, D4, D6, DL, DU, E4, E5/s, E7, EA, EA6, EA8, EA9, EI, EK, EP, ER, ES, ET, EU, EX, EY, F, FG, FJ, FK, FM, FO, FP, FR, FS, FW, FY, G, GD, GI, GJ, GM, GU, GW, H4, HA, HB, HB0, HC, HH, HI, HK, HL, HP, HR, HS, HV, HZ, I, IS, J2, J3, J6, J7, JA, JD/o, JT, JW, JY, K, KH0, KH2, KH6, KH8, KH9, KL, KP2, KP4, LA, LU, LX, LY, LZ, OA, OD, OE, OH, OH0, OK, OM, ON, OX, OY, OZ, P2, P4, PA, PJ2, PJ4, PY, PY0F, S2, S5, S7, S9, SM, SP, SU, SV, SV5, SV9, T7, TA, TF, TG, TI, TK, TR, TT, TU, TY, UA, UA2, UA9, UK, UN, UR, V2, V4, V5, V7, V8, VE, VK, VP2E, VP9, VR, VU, XE, XX9, YA, YB, YI, YL, YN, YO, YS, YU, YV, Z3, ZA, ZB, ZD7, ZF, ZL, ZP, ZS

\* PLEASE NOTE: The report "could" contain "Pirate/SLIM" operations or more likely a "BUSTED CALLSIGN". As always, you never know - "Work First Worry Later".

13 COLONIES (Special Event). Once again the annual (the 8th) "13 Colonies Special Event" will take place between 1300z, July 1st and 0400z July 7th. The certificate is printed on heavy card stock. Stations working one state or, as many as all 15, will be eligible for the certificate. A "Clean Sweep" indicator will be affixed, for those lucky enough to "Q" all 15. A special endorsement will be attached for stations contacting their sister operation, WM3PEN, in Philadelphia, PA, where independence was declared. New since 2015, the 13 Colonies have added a second sister event station GB13COL will operate from Durham, England. The 13 Colonies certificate will have a Liberty Bell added for a contact with WM3PEN. They will also offer a special

QSL card printed just for this event. There should be at least two stations from each on the 13 colonies on the air, as well as Super contest stations, multi-operator Club stations and OM and XYL teams. The U.S. original 13 colonies are CT-DE- GA-MA-MD-NC-NH-NJ-NY-PA-RI-SC-VA. Special events stations mentioned are: K2A (NY), K2B (VA), K2C (RI), K2D (CT), K2E (DE), K2F (MD), K2G (GA), K2H (MA), K2I (NJ), K2J (NC), K2K (NH), K2L (SC), and K2M (PA). All HF bands will be in play, including the WARC bands, with the exception of 60 meters. 2 meters and 6 meter simplex are encouraged. All modes of operation should be represented - SSB, CW, RTTY, Digital, and the Satellites. The mode of operation is up to the individual colony state station. For more details on the stations, suggested frequencies, QSL info and on how to obtain the special certificate, see:

<http://www.13colonies.info>

5W, SAMOA. Pascal, HB9EXA (E51EXA), is now active as 5W0RX from Apia, Upolu Island (OC-097). The length of his stay is not known at this time. Activity will be holiday style on various HF bands using CW and SSB. He was heard on 20 meters CW on Wednesday. Equipment is a Yaesu FT857d into a 1/4 wave vertical and delta-loop antennas. QSL via his home callsign.

6Y, JAMAICA (EME DXpedition). Operators Ned/AA7A, Larry/WO7R and Terry/N6CW (known as the VHF Pirates Team) will be active as 6Y6M (6/2m EME) and 6Y7R (HF) from Jamaica between June 28th and July 5th. Activity will be mainly EME (WW. Loc. FK18) with some casual HF. QSL 6Y6M via NN7AZ or LoTW. QSL 6Y7R via NN7AZ. For more details, see:

[http://aa7a.net/VHF\\_Pirates/2016%20DXpedition.html](http://aa7a.net/VHF_Pirates/2016%20DXpedition.html)

CW OPEN CONTEST. Alf, IT9MUO, CWO Co-Manager Region #1, informs [edited]:

"I would like to inform that the CW Open will take place September 3, 2016, a contest that develops in three sessions. The CW Ops is a club composed by CW enthusiast that will meet every Wednesday at 1300z and 1900z, and also at 0300z on Thursday, session lasting one hour each. The CW Open is a contest very participated by American stations. In the last editions there has been a great participation by Europeans, it develops in three session that last 4 hours each.

Sessions and Times

Session	Date	Time
1	September 3, 2016	0000-0359z
2	September 3, 2016	1200-1559z
3	September 3, 2016	2000-2359z

The rules and other details at: <http://cwops.org/cwopen.html>

We hope that there will be a great participation

The website is: <http://www.cwops.org>

73, Alf, IT9MUO CWOps #1569"

IOTA NEWS.....

AF-032. Alexey, UT5UY, and a team of operators are planning to activate Zanzibar Island, Tanzania, as 5H1XX. Activity will be on various HF bands. Look for more details to be forthcoming.

EU-025. Giuseppe, IK5WWA, will be active as IA5C from Capraia Island between August 31st and September 9th. Activity will be on 80-2 meters. QSL via his home callsign.

EU-047. Mario, DJ7MH, will once again be active as DJ7MH/p from Baltrum Island (DID/GIA N-06) between July 8-18th. Activity will be on 40/30/20 meters CW, using QRP. QSL via his home callsign, by the Bureau (preferred). QSL via eQSL and LoTW.

- EU-049. Juergen, DK3SJ, will be active as SV8/DK3SJ from Lesbos Island until July 24th. Activity will be on 80-10 meters using CW and SSB. QSL via his home callsign, direct or by the Bureau.
- EU-124. Philip, MW0DHF, will be active as MW0DHF/P from Holy Island, Wales, during the RSGB IOTA Contest (July 30-31st) as a Single-Op/DXpedition/24 Hrs/Low-Power entry. QSL via his home callsign, direct or by the Bureau.
- EU-131. Several members of the ARI Mestre Team will be active as IQ3ME/p from Pellestrina Island during the RSGB IOTA Contest (July 30-31st) as a Multi-Single entry. QSL via IQ3ME.
- EU-136. Eddy, DM5JBN, will be active as 9A/DM5JBN from Rad Island between June 27th and July 2nd. Activity will be on various HF bands. QSL via his home callsign, direct, by the Bureau, LoTW and eQSL.
- EU-161. Operators Oleg/UA1PBA, Slava/RD3MX, Alan/RN1ON, Yuri/UA1OC and Alex/UA1OJL will be active as RK1O/p from Sosnovets Island (RLHA RLE-045, WLH LH-1589, ARLHS ERU-066, RDA MU-18) between July 1-5th. Activity will be on 40-10 meters using CW and SSB. QSL via RN1ON.
- EU-170. Eddy, DM5JBN, will be active as 9A/DM5JBN from Pag Island between July 2-8th. Activity will be on various HF bands. QSL via his home callsign, direct, by the Bureau, LoTW and eQSL.
- NA-038. Jean Pierre, VA2SG, has cancelled his activity as XM2IOTA from Magdalen Islands (Les Îles-de-la-Madeleine) between July 27th and August 2nd. He will instead go to NA-128 (see below).
- NA-067. Jon, WB8YJF, will once again be active as WB8YJF/4 from Ocracoke Island (USI NC001S) between July 24-31st. Activity will be on CW, SSB, and RTTY. He plans to be in the RSGB IOTA Contest (July 30-31st). Please QSL direct for a fast QSL or via the Bureau.
- NA-068. Jean-François, VE2JFM, will be active as VE2JFM/VE9 from Lameque Island during the RSGB IOTA Contest. Activity will be on all bands using 100 watts. QSL via VE2JFM.
- NA-128. Jean-Pierre, VA2SG/VE2SSS, will be active as VA2NDX from Orléans Island during the RSGB IOTA Contest (July 30-31st) as a Single-Op/All-Band/Low-Power/DXpedition entry. QSL via VE2TLH. [www.nordx.net](http://www.nordx.net)
- NA-213. Scott, WX4SKY, will be active as WX4SKY/A from Dauphin Island (USI AL-002S) between July 3-18th. Activity will be holiday style mostly on 20 meters late afternoon around typical island frequencies. QSL via his home callsign, by the Bureau, direct, eQSL or LoTW. More details on the QRZ.com page for WX4SKY/A.

J7, DOMINICA. Operators George/K5KG, John/W4IX and Jim/WI9WI will be active as J75KG, J79IX and J79WI, respectively, from Dominica (NA-101) between July 2-12th. Activity will be on 80-10 meters with a focus on the 30/17/12 meters with concentration on CW. They will also be in the IARU HF World Championship signing as J77HQ giving out the DARCI multi-

plier. QSL J77HQ and J75KG via K5KG direct or LoTW. QSL J79IX via W4IX. QSL J79WI via WI9WI by the Bureau.

JT, MONGOLIA. Operators Yan/RZ3FW and Sergey/R4WAA will be active as JT5FW from Mongolia between July 11-19th. Activity will be on various HF bands. QSL via RZ3FW or the OQRS on ClubLog.

JT, MONGOLIA. Operators Andry/RA9YGC, Dmitry/RA9YTX and Alexander/UA9YPS will be active as JT0YGC, JT0YTX and JT0YPS, respectively, from Lake Tolbo Nuur between July 19-24th. Activity will be on 80-6 meters and also 2 meters EME. QSL JT0YTX via RA9YTX only direct. QSL JT0YPS via UA9YPS only direct or by the OQRS on ClubLog. QSL JT0YGC via RA9YGC direct only.

JW, SVALBARD. Matthew, M0MIE, is now active as JW/M0MIE from the club station of JW5E at Longyearbyen, Svalbard (EU-026). The length of his stay is unknown. Activity will be holiday style on various HF bands, but seems to be mainly 20 meter SSB. QSL via his home callsign.

KOSOVO IARU SOCIETY RECEIVES VISITORS FOR THE IARU HF WORLD CHAMPIONSHIP WEEKEND (Press Release From Pristina, dated June 18th). [edited] From The Desk of Vjollca Caka, Z61VB, SHARK, President -- Z60A On the air from July 6th through July 11th.

The 2016 IARU HF World Championship not only marks the very first entry of the Kosovo Amateur Radio Association (SHRAK) as a new HQ multiplier, but the week also represents multiple other valuables for Kosovar hams.

In a major outing, the SHRAK youth delegation headed by Driton Sadiku, Z61DX, with Elona Shatri, Z63ESC, Edona Sela, Z63ESB, and Blindon Krasniqi,

Z63BKA, will travel to the IARU YOTA conference in Austria. Their selected team will meet their initial instructors Hans, PB2T, and Martti, OH2BH, as a kick-off for their first trip outside Kosovo. This outing received the sincere support of the Amateur Radio Society of Austria (ÖVSV), the Embassy of Austria in Kosovo, and the Yasme Foundation, Inc.

The majority of the 50+ new hams in Kosovo come from the ranks of the Technical University of Pristina, leading to another interesting link taking place on the professional front. The local university rarely receives visiting teachers, and thus Dr. Kim Östman, OH6KZP, will give a lecture on the latest trends in RF microelectronics circuit development. This session is hosted by the Faculty of Electrical and Computer Engineering (FIEK) at the Technical University of Pristina, and the Dean of the faculty, Prof. Dr. Enver Hamiti.

The team will also exercise by hoisting a new Force-12 XR6 beam with a Yaesu G1000DXC rotator on top of the university building, in the heart of capital Pristina. These were kindly donated by the Chiltern U.K. DX Foundation and by Force-12 represented by Bill Hein, AA7XT.

On the weekend the local folks team up with their visitors for the IARU Championship contest, at multiple locations in and near Pristina. The visiting operating team includes Hans, PB2T, Kenneth, OZ1IKY, Pertti, OG2M, Kim, OH6KZP, Martti, OH2BH, Pekka, OH2TA, and Mario, S56A.

PJ2, CURACAO. Operators Jim/K3NK, Joe/W3HNNK, Jim/K3NK, and Jeff/K8ND are there as VERONA guests and will be active from the PJ2T station on Curacao (SA-099) between July 1-12th. Operators (outside of the contest) will probably sign PJ2/homecall. The group is there to participation in the IARU HF World Championship as PJ2HQ and as a Multi-Op entry. QSL via LoTW.

PJ6, SABA ISLAND. Jeff, PJ6/NM1Y, will host this year's 2016 KB8OCP Dave Kalter Memorial (SK) Youth DX Adventure (YDXA) team from his QTH on Saba Island (NA-145) between August 2-9th. The team will consist of 3 teenage operators, Morgan/KD8ZLK (11 yrs), YL Ruth/KM4LAO (17 yrs), and YL Faith/AE4FH (11 yrs), and their chaperons/escorts Joe/KD8YPY, YL Sharon/KM4TVU,

and James/WX4TV. The team will use the callsign PJ6Y (Poppa-Japan-Six-Youth). All technician and general class members of the team have been granted rights under control op supervision! For more details about YDXA, the PJ6/NM1Y QTH and each operator (both teen and Elmers), visit the following Web pages at: <http://www.qsl.net/n6jrl>  
[http://www.qsl.net/n6jrl/2016Team/2016\\_team.html](http://www.qsl.net/n6jrl/2016Team/2016_team.html)

PROPAGATION FORECAST/REPORT (June 26th-July 2nd)....

Jun/26th HN            Jun/29th AN            Jul/01st HN  
 Jun/27th AN            Jun/30th AN            Jul/02nd AN  
 Jun/28th AN

SOLAR REFERENCE KEYS/INDEXES AND GEOMAGNETIC REFERENCE

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NORMALITY                    GEOMAG                    K Values                    Alpha
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AN - Above Normal            Quiet                    K=0-1                    0-7
HN - High Normal            Unsettled                K=2                      8-15
LN - Low Normal              Active                    K=3                      16-29
BN - Below Normal            Minor Storm              K=4                      30-49
DIS - Disturbed              Major Storm              K=5                      50-99
VRY DIS - Very Disturbed    Severe Storm            K=6-9                    100-400
  
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REALTIME BAND CONDITIONS WEB SITE <<http://www.bandconditions.com>>:

The purpose of this experimental Web site is to provide 24-7-365 actual (REALTIME) band condition information to CW QRPP, QRPE and CW/SSB for Contesters interested in increasing their scores. It can also be of benefit to other Radio Amateurs to determine band conditions for Nets and casual QSO's. This information is NOT based on any software predictions or any kind of satellite based readings. It is based on a new Ionospheric sounding method called "HF Ionospheric Interferometry" which operates very similarly to the POLSAR system used by NASA.

Also, check out the VOACAP predication Web page at:

<http://www.voacap.com/prediction.html>

QSL INFO AND NEWS.....

QSL-INFO from DB0SDX (June 26th) <[www.qslinfo.eu](http://www.qslinfo.eu)>

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3Z0BGL via SP9BGL            EM7KAA via IK2DUW            OX/NA80 via JK1FNL
3Z0MZH via SP9MZH            EM7UT via UR7UT              OY/SM7RYR via SM7RYR
(d/L)
4KF0NE via 4K4K (d)            F/PA0WCH via PA0WCH            PA/DJ2OS/P via DJ2OS
4O7TC via UA3TCJ (d)            GK4AMT via G4AMT              R45AWE via RZ4AZ
4V1G via W3HNK                HG44FY via HA8FY              S5/PA3BHF via M0MPM
8Q7YC via W5UE                II0RSB via 9A8ARS              SC90SSA via SM7HZK
AC2CX/KH2 via JE1JAC            IS0/DB4BJ via DB4BJ            SN60PPC via SP3PGR
DA200FGK via DL3JRA            JW/M0MIE via MW0MIE            SP9YFF/4 via SP9WAN
(d/L)
DL/PA9F via PA9F              K0E via KE9N (L)              TA4/OH2KW via OH2KW
EA/G1LBM via G1LBM            KH2/W2VR via JA2QNV            TC2016ANT via TA4ED
ED70 via EA7EU (d)            LA/DK2BJ via DK2BJ            TM15EURO via F5SSN
ED7R via EA7IZJ                LZ113RF via LZ1YE              TM53IMW via F6KSU
EE3X via EA3KX                MM/DL1FDH via DL1FDH            TM6V via F5KDR
EE50 via EA5URO                N1R via N1HEN (d)              XX9TGM via PG5M
EE5T via EA5URT (d/L)            OH0/OH1WZ via OH1WZ            YL44WFF via YL2SW
EF0F via EA4URE                OT4A via ON4AEK (L/e)            YO/HA5TAA via 9A3JB
EG8FSJ via EA8NE                OU2DX via PA0ABM              ZV8SAT via PW8PM (d/L)
EG8WFF via EA8AKN              OV2T via PA0ABM
(e) eQSL only    (d) direct only    (B) Bureau only    (*-B) DX's- Bureau
(O) OQRS only    (C) ClubLog only    (L) LoTW only
  
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QSLs RECEIVED VIA LoTW: NP2X and YI3WHR

QSLs RECEIVED VIA MAIL: 3DA0IJ, 7P8GF, 9L0W, C91IJ, D0B, EP2A, FH/F4FET, FS/W3FF, HS0ZCW, J28NC, JT1DN, PU0R/PU0FDN and VK0EK

QSLs RECEIVED VIA THE BUREAU: 4L5A, 5V7TH, 5X1NH, 6V7T, 6Y/G3NKC, 7O6T, 8Q7KP, 9J2BO, 9M2CNC, A65BR, AP2ARS, CU7MD, E30FB, EA8AH, ET7L, FS/K9EL, G4RRA, H2Q, HK0NA, HZ1TT, IO2Z, IT9PQJ, IY1SP, MJ/K3PLV, MJ0KUC, OH2BH, OJ0X, OL60DG, PJ4/K4BAI, PJ5/K6NAO, PJ7PT, PJ7X, PP1CZ, PT0S, PZ50X, R2014FH, RO22CH, T33A, TO2A, TX5K, UA5A, UN7CBL, UN7CCU, UN7CN, UN7CW, VK9CZ, VK9GMW, VU7AG, YF1AR/4, YF1AR/7, Z31X, ZL9HR and ZZ80PR

S9, SAO TOME AND PRINCIPE. Operators Ruediger/DK8YY, Peter/DL1RPL and other German operators will be active as S9YY from Sao Tome and Principe between October 8-23rd. The HF team will be active on 160-10 meters, while Peter, DL1RPL, will operate on 144 and 432 MHz EME (see Peter's Web page at: <http://www.dl1rpl.de> ). Look for more details to be forthcoming.

T2, TUVALU (Early Announcement). Operators Jacek/SP5EAQ and Marek/SP7DQR will be active as T2AQ (SSB only) and T2QR (CW/Digital only), respectively, from Tuvalu (OC-015) between March 14th and April 6th, 2017. Activity will be on 80-10 meters. QSL via SP7DQR or SP7DQR's OQRS.

VK0EK DXPELITION NEWS (Heard Island Expedition Newsletter Vol. 2 No. 5).

The current Heard Island Expedition Newsletter (Vol. 2, No. 5) is now available at:

[http://www.heardisland.org/HD\\_documents/HD\\_Newsletters/HD\\_Newsletter\\_02\\_05.pdf](http://www.heardisland.org/HD_documents/HD_Newsletters/HD_Newsletter_02_05.pdf)

This Newsletter is dated June 15, 2016. Individuals may have already received this because they subscribed to it, or they made a donation to the expedition, or they are a team member or a corporate sponsor, or Bob, KK6EK, just happens to know you and think you would like to have it. This issue goes to 6982 different people.

Bob also informs [edited], "There is no charge or obligation for this we just want to help you make a QSO with VK0EK, or to collaborate in the scientific work.... We plan to issue more Newsletters, to tell you of the experience and results of the expedition."

PLEASE NOTE: Recommended way to view this Newsletter:

1. Download the PDF file to your browser.
2. Save the PDF file from your browser to your desktop or to a folder.
3. Open the PDF file (typically by double-clicking)
4. On the main menu of your PDF viewer:
  - a. Select View/Page Display/
  - b. Select Two-page scrolling
  - c. Select Show Cover Page in Two-Page View

Now you can view it full-screen using the Page Up and Page Down keys.

If you missed a previous Newsletter and would like to have a copy, you can find a link on p. 4

[http://www.heardisland.org/HD\\_pages/HD\\_newsletter\\_back\\_issues.html](http://www.heardisland.org/HD_pages/HD_newsletter_back_issues.html) to download the back issue.

VP8SGI SOUTH GEORGIA ISLAND VIDEO ON THE WEB. The VP8SGI DXpedition video has been uploaded to the Intrepid DX Group's Vimeo.com page. It is just under 7 minutes long. You can see it here:

<https://vimeo.com/intrepiddxgroup>

XT, BURKINA FASO. Hermann, DL2NUD, will be active as XT2AFT from Burkina Faso between October 14-24th. Activity will be on 144, 432, 1296 and 2320 MHz on EME. QSL via his home callsign.

XX9, MACAO. Gerben, PG5M, is now active as XX9TGM from Macao until June 27th. Activity will be on 80-10 meters with a focus on the 30/17/12 meters using CW. QSL via his home callsign or the OQRS.

YN, NICARAGUA. Rafael, NN3RP, will once again be active as YN2RP from Nicaragua between June 25th and July 22nd. Activity will be on 40-10 meters using CW, SSB and the Digital modes (PSK31/RTTY). Operations, he states are "mostly evenings or while driving around the country (SSB)." QSL via his home callsign.

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Unsubscribe: <mailto:opdx-request@barf80.org?subject=unsubscribe>

OPDX WORLD-WIDE WEB HOME PAGE (provided by John, K8YSE):

<http://www.papays.com/opdx.html>

ALSO VISIT THE NORTHERN OHIO DX ASSOCIATION'S WEB PAGES AT:

<http://www.nodxa.org/>

<http://www.facebook.com/NorthernOhioDxAssociation>

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\*\* To contribute DX info, please send via InterNet Mail to:

[kb8nw@barf80.nshore.org](mailto:kb8nw@barf80.nshore.org) OR [kb8nw@arrl.net](mailto:kb8nw@arrl.net) OR [kb8nw@hotmail.com](mailto:kb8nw@hotmail.com)

Information can now be faxed to the following phone line at:

1-419-828-7791 (F A X only!)

/EXIT

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Tedd Mirgliotta, KB8NW - E-mail addresses:

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DX Chairman for the "Northern Ohio Amateur Radio Society

ARRL Assistant Director of the Great Lakes Division

Sysop of the "Basic Amateur Radio Frequency BBS" (BARF80.ORG)

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OPDX mailing list

[OPDX@barf80.org](mailto:OPDX@barf80.org)

<http://hamnet.org/mailman/listinfo/opdx>