

# **WORLD.net**

**DX bulletin 158**

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**DX NEWS by  **WORLD.net****

**Remember this weekend is the RSGB Iota Contest, for a full list of announced operations see**

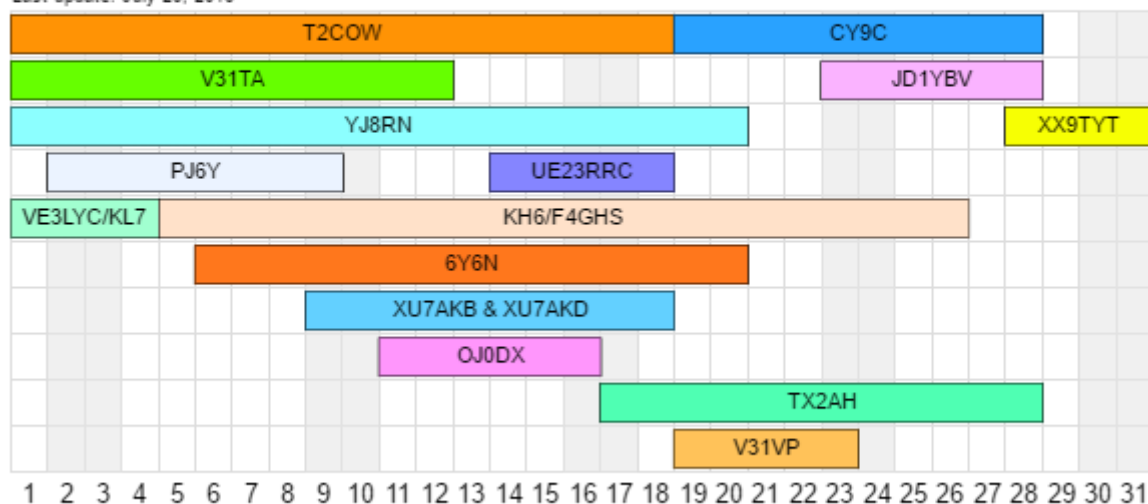
**<http://www.ng3k.com/Misc/iota2016.html> or <http://www.dx-world.net/>**



**DX Timeline by  **WORLD.net****

## **WORLD.net** FEATURED DXPEDITIONS TIMELINE

Last update: July 26, 2016



Edited by MM0NDX

**AUGUST**

 IK8LOV Max Laconca

## **DXCC**

### **This week on HF**

**SZ4, KENYA** Koji, JM1CAX is operating as SZ4/call until end August. Activity from 20 to 10 meter using CW and RTTY. QSL via home call, LoTW.

**CP, BOLIVIA** Antonio, EA5RM is operating as CP1XRM until August 3. Operation during his spare time with a solar-powered station. QSL via LoTW or direct via home call.

**EA6, BALEARIC ISL** Alex, IN3BYZ is active as EA6/call from Menorca. Activity until July 29 on 20, 17, 10 and 6 meter. QSL via home call, direct or bureau.

**EI, IRELAND** Olivier is once again operating as EI8GQB / EI1A contest call until August 12. Operation on HF and 6 meter using green energy. Follow his expedition on <http://www.qrz.com/db/EI8GQB>. QSL via PA3249 direct or bureau, LoTW.

**FP, ST PIERRE AND MIQUELON** Al, F6ACH is operating as FP/call until July 30. Activity from 40 to 10 meter, mainly 20 meter. Also look for TO200SPM until August 6, this to reflect the 200 years of French sovereignty. QSL via home call.

**HH, HAITI** James, VA3MPG is active during his spare time as HH2/call. Operation until November 17 on HF and VHF. QSL via VE3NLS.

**JW, SVALBARD** Helge, LB5WB will be operating as JW/call from July 29 until August 1. Operation on HF. QSL via home call, LoTW.

**PJ6, SABA** Look for Faith Hannah Lea AE4FH, Ruth KM4LAO, Sharon KM4TVU, Morgan KD8ZLK and James WX4TV as PJ6Y from August 2 until August 9.

**ST, SUDAN** Magdi, ST2M is active as ST0A until end July. This call is to support peace between Sudan and South Sudan. Operation from 40 to 10 meter using SSB. QSL via ST2M.

**TZ, MALI** Laurent, F5IXR will be QRV as TZ5XR from August 1 until February 2017. During 2 weeks in mid-August he will be off air while attending a training camp in Canada. Activity from 160 to 6 meter during his spare time. QSL via F5MXH.

**V3, BELIZE** Henk, PA0C is QRV as V31HV until October. Operation on 80, 40, 20 and 15 meter using SSB, CW and JT65. QSL via home call, direct.

**VE, CANADA** A large team is conducting a DXpedition "North of 50" to CQ zone 2 until August 1, grid sq FO50 ITU region 9. All QSOs will receive a VC2Q special callsign QSL. All bands ,6-160 including WARC and one 60M channel (conditions permitting) will be in use with CW,SSB plus some digital modes. Four stations will be on the air

More details to appear on the VC2Q qrz page as they become available.

#### **KC0W in Pacific**

This is the schedule from Tom <http://www.dx-world.net/kc0w-in-the-pacific/>

Operation on HF, CW only. QSL via home call, direct only.

Tuvalu T2COW.....until August 18.

Vanuatu.....20 August to September 21.

Kiribati.....September 24 to October 24.

Fiji.....October 25 to November 24.

Return to Samoa.....November 25 to ?

Tokelau.....?

Solomon Islands.....(Exact date depends on Tokelau)

Temotu Province.....(Depends on Tokelau)

Bangladesh, Nepal, Bhutan.....Exact dates unknown.

### **Coming up soon**

**5N, NIGERIA** Martin, LW9DTR will be active as 5N/call between August 6 and August 7. Operation during his spare time on 20 – 10 meter using SSB. QSL via homecall.

**6Y, JAMAICA** Armin, DK9PY will be QRV as 6Y6N from August 6 until August 20. Operation from 160 to 10 meter using CW only. QSL via home call.<http://www.dx-world.net/wp-content/uploads/2016/07/na217.jpg>

**KH6, HAWAII** Alex, F4GHS will be QRV from the following Hawaiian Islands from August 5 until August 26: Oahu August 5-10, Kauai August 10-17 and from Big Island August 17-26. Operation in 'holiday-style' from 80 to 10 meter using SSB. QSL via F4GHS.

**XU, CAMBODIA** Steff HB9FXL and Rolf HB9MUQ will be operating as XU7AKB and XU7AKD from August 7 and August 16. Operation on HF. QSL via homecalls.

## **IOTA**

**The IOTA'S marked with a yellow box are claimed by less than 25% of IOTA participants. These IOTAs are rather rare. Follow the link to find out more.**

### **This week on HF**

**AS-025 Iturup Isl** Yuri, RM0F is operating as call/P until August 5. Operation on HF using CW with an entry in the IOTA contest. QSL via home call, LoTW and OQRS.

<https://www.rsgbiota.org/info/search.php?q=AS025>

**AS-047 Minami Daito Isl** Nobu, JA0JHQ is operating as call/6 until August 1. Operation from 40 to 17 meter using CW and SSB. QSL via JA0JHQ, direct or bureau. <https://www.rsgbiota.org/info/search.php?q=AS047>

**AS-066 Reyneke Isl** Operators of Vladivostok Contest Club will be operating as UI0L during the IOTA contest. QSL via RW0MM. <https://www.rsgbiota.org/info/search.php?q=AS066>

**AS-066 Popov Isl** Vladimir, UA0LCZ is QRV as R66IOTA until July 31. Operation from 80 to 10 meter using CW and SSB. QSL via home call. <https://www.rsgbiota.org/info/search.php?q=AS066>

**AS-070 Glavsevmorput Isl** Vasily R7AA, Eugene UA6EX and Yuri R2DG will be operating as R70ASIA between July 29 and August 2. Operation from 40 to 10 meter with 2 stations. QSL via R7AA, direct or bureau, OQRS Club Log. <http://dxpedition.wix.com/r70asia>

**AS-081 Hwangdeog Isl** A team with HL5YI, DS5ACV, DS5ANY, DS5BRE, DS5DNO and DS5QLJ will be QRV during the IOTA contest. Operation as homecalls/P. QSL via DS5DNO for all calls. <https://www.rsgbiota.org/info/search.php?q=AS081>

**AS-102 Kinmen Isl** A team consisting of BV2KI, BV2NT, BX2AB, BX4AF, BO2AB, BG5TLT, BG5TRH, BM9AAQ, ZL1JAP, JA1CTB, JA3EIZ, JH3BDB, JH3GVJ, JG3DOR, JO3LVG and JH3GCN will be active between July 29 and August 1. QRV as BO0KS during the contest and BW/homecalls outside contest. Activity from 40 to 6 meter using SSB, CW and RTTY. Operation is subject to change in bad WX or other conditions. BO0KS QSL via BV2NT. Others via homecall. <https://www.rsgbiota.org/info/search.php?q=as102>

**AS-135 Qinshan Isl** A team will be QRV as B4R during the IOTA contest. QSL via BA4WR. <https://www.rsgbiota.org/info/search.php?q=AS135>

**AS-136 Hengsha Isl** A large team with BD4DYH, BD4CB, BD4CD, BD4CQ, BD4AOU, BD4GNV, BG4FRZ, BH4AYG, BH4BKF, BH4BUI, BH4CAC, BH4CNN, OH7WV, DF9LJ and some others will be QRV from July 30 until August 1. Activity from 160 to 10 meter using CW, SSB and digital modes. This will include a Multi 2 entry in the 2016 RSBG IOTA contest as BY4AE. QSL via BD4DYH. Before and after contest, they will be signing B4/call. QSL via homecalls. <https://www.rsgbiota.org/info/search.php?q=as136>

**AS-141 Yijiangshan Isl** A large team is active as B5/BA4TB, B5/BD4TQ, B5/BD4TR, B5/BD4TS, B5/BD5FFK, B5/BG4TRN, B5/BG4TVT, B5/BG4TYQ, B5/BG5FCH, B5/BH4TGQ, B5/BH4TVU, B5/BI4RYM, B5/BI4SCC and maybe others until August 1. Operation from 80 to 6 meter using CW, SSB and digital modes. QSL via homecalls. <https://www.rsgbiota.org/info/search.php?q=AS141>

**AS-150 Lingshan Isl** An 11-man Chinese team led by BI4KKC will be operating during the IOTA contest. QSL via BG4OGO. <https://www.rsgbiota.org/info/search.php?q=AS150>

**EU-009 Orkney Isl** Jamie, 2E0SDV will be operating as MS0YHC between July 29 and August 2 during the IOTA Contest for a fixed HP single entry, before and after the contest as 2M0SDV. QSL for both calls via home call. <http://www.2e0sdv.com/>

**EU-011 Isles of Scilly** Dominic, M1KTA will be operating as MK1KTA from July 29 until August 1. QSL via home call, direct or bureau, OQRS and logsearch on Club Log. <https://www.rsgbiota.org/info/search.php?q=EU011>

**EU-011 Isles of Scilly** Jim, DL1DAW is operating in 'holiday-style' as M/call until August 3. All QSO will be confirmed automatically via bureau and LoTW. QSL direct via home call. <https://www.rsgbiota.org/info/search.php?q=EU011>

**EU-030 Bornholm Isl** Carsten, OZ4CG is operating as OZ4SOP until end July. Operation on HF using CW only. QSL via home call, bureau and LoTW. <https://www.rsgbiota.org/info/search.php?q=EU030>

**EU-048 Groix Isl** A Belgian team (ON4AR, ON4LRG, ON5PO, ON6DP, ON6MM, ON6QR, ON6YH and ON7ZM) is QRV from Groix Island as TM6G until August 4.

During the first days (IOTA Contest included) they will operate from Fort Mene, then the team will split in the three groups for activities from other places of interest on the island. Plans are detailed on [qrz.com](http://qrz.com). QSL via ON6DP, direct or bureau. <https://www.rsgbiota.org/info/search.php?q=EU048>

**EU-067 Paros Isl** <https://www.rsgbiota.org/info/search.php?q=eu067>

**EU-067 Naxos Isl**

**EU-067 Antiparos Isl**

Tommy, VK2IR will be operating in 'holiday-style' as SV0BXF/SV8 from August 2 until September 7.

**EU-092 Tanera Mor** Jim, MM0BQI is operating as call/P until end July. During contests he will sign as GM1J. QSL for both calls via home call, direct or bureau, LoTW.

<https://www.rsgbiota.org/info/search.php?q=EU092>

**EU-123 Arran Isl** A team of 7 operators will be QRV as GM5TO during the IOTA contest, outside the contest they sign as GM2AS until August 1. QSL for both calls via G3PHO.

<https://www.rsgbiota.org/info/search.php?q=EU123>

**EU-123 Arran Isl** Ed, G3SQX will be operating as GM3SQX and GM7O (during IOTA Contest). Activity until July 31. QSL via home call, direct only. <https://www.rsgbiota.org/info/search.php?q=eu123>

**EU-127 Neuwerk Isl** A German team with DB1WA, DL1MRD, DM4DL and DM5HF is operating as DR0F until August 1, IOTA contest included. QSL via DM4DL, bureau preferred.

<https://www.rsgbiota.org/info/search.php?q=eu127>

**EU-133 Kotlin Isl** A large team will be active as RI1C during July 30-July 31. QSL via RW1F.

<https://www.rsgbiota.org/info/search.php?q=EU133>

**EU-135 Ledskar Isl** Anders, SM5EFX is active in 'holiday-style' as SF2X/P until August 5. Operation mainly during the IOTA contest. QSL via home call, direct or bureau.

<https://www.rsgbiota.org/info/search.php?q=EU135>

**EU-140 Nuokot Isl** A team with OH5GIO, OH5GE, OH5EP and OH5FVY will be operating as OG5A during the IOTA contest. Operation from 80 to 10 meter using CW and SSB. QSL via OH5AD.

<https://www.rsgbiota.org/info/search.php?q=EU140>

**EU-142 Mouro Isl** A large team will be operating as ED1M from July 29 until July 31. Operation with several stations. QSL direct only, LoTW. <https://www.rsgbiota.org/info/search.php?q=EU142>

**EU-170 Vir Isl** Kary, HA9MDN is operating as 9A/call until August 3, including an entry in the IOTA Contest. Operation using SSB and digital modes. QSL via home call. <https://www.rsgbiota.org/info/search.php?q=eu170>

**EU-174 Thassos Isl** Laci, HA0NAR is operating as SV8/HG0R until August 2. Operation from 160 to 2 meter using CW, SSB and RTTY. QSL via HA0NAR, bureau or direct.

<https://www.rsgbiota.org/info/search.php?q=eu174>

**NA-008 Ellesmere Isl** Pierre, VE3KTB is operating as VY0ERC until August 6. Operation during his spare time. <https://www.rsgbiota.org/info/search.php?q=na008>

**NA-055 Mount Desert Isl** Mike, W2IY is QRV from WLOTA 1129 until August 5. QSL via home call, direct or bureau. <https://www.rsgbiota.org/info/search.php?q=NA055>

**NA-067 Ocracoke Isl** Jon, WB8YJF is active as call/4 until July 31. QSL via home call, direct or bureau.

<https://www.rsgbiota.org/info/search.php?q=NA067>

**NA-067 Core Banks** Look for K4C until July 31, IOTA Contest included. QSL via N4YDU, direct only.

<https://www.rsgbiota.org/info/search.php?q=NA067>

**NA-128 Ile-aux-Coudres** The NA128 Contest Group is active as XL2I until July 31. QSL via VE2CQ and LoTW. <https://www.rsgbiota.org/info/search.php?q=NA128>

**NA-172 Island Group** Cezar, VE3LYC is happy to announce that all logistics are in place for an operation from IOTA group NA-172 between August 1 and August 5. Given the typical HF propagation uncertainties from the high Arctic, he wishes to assure IOTA chasers that he will take into account the propagation conditions at the time in the scheduling of the length of his operation. More to follow.

<https://www.rsgbiota.org/info/search.php?q=na172>

**NA-217 Isle of Shoals** K1RX, N1YX and KB1YVR will be operating as K1W during the IOTA contest July 29-July 31. Operation from 80 to 10 meter using CW and SSB. QSL via KB1YVR.

<https://www.rsgbiota.org/info/search.php?q=NA217>

**OC-110 Loh Isl** Rod, YJ8RN/P will be operating from late July to late August. Operation on HF. QSL via NZ4DX. <https://www.rsgbiota.org/info/search.php?q=OC110>

**SA-042 Caviano de Dentro Isl** Look for PX8K until July 31, including a participation in the IOTA Contest. The team consist of PY8WW, PY8AZT, PY7RP, PY8FML and PU8WHJ. Operation on HF and 50 MHz, SSB, CW and digital modes. More information via email py8ww@yahoo.com .

<https://www.rsgbiota.org/info/search.php?q=sa042>

**SA-047 Mel Isl** Members of the Parana State Amateur Radio Association with operators PY5AB, PY5AKW, PY5AMF, PY5FO, PY5IN, PY5LF, PY5QW, PY5RB, PY5SAT and PY5ZD will be active as ZV5O during the IOTA contest. QSL direct or LoTW. <https://www.rsgbiota.org/info/search.php?q=SA047>

**SA-069 Santa Maria Isl** The Chilean DXpedition Team is operating as XR1T until July 31. Operation on all bands using CW and SSB. QSL via CE3OP, direct or bureau, OQRS.

<https://www.rsgbiota.org/info/search.php?q=SA069>

**SA-072 Ilha das Canarias** PS8AB, PS8PY and PS8RV are QRV as ZY8D until July 31. Activity HF using SSB. QSL via PS8RV. <https://www.rsgbiota.org/info/search.php?q=SA072>

## **ANNOUNCEMENTS**

### **Announced DX**

#### **THE NEWCOMERS**

**KH2, GUAM** Mike, DF8AN will be operating as KH2/call between November 16 and November 20. Operation on HF using CW, RTTY and PSK. QSL via home call, direct or bureau.

**OJ0, MARKET REEF** A German team with DL2JRM, DL3DXX, DJ4MF and DO2XX will be QRV as OJ0DX between August 11 and August 16. Activity with 2 stations from 80 to 6 meter using CW and SSB. QSL via DL3DXX, LoTW and Club Log.

**PJ7, SINT MAARTEN** Philip, WA1ZAM will once again be operating as PJ7PL from October 22 until November 5. Operation in 'holiday-style' from 20 to 10 meter using SSB. QSL via home call.

**TL, CENTRAL AFRICAN REPUBLIC** Ken, LA7GIA will be active as TL8AO somewhere during 2016. Operation using mainly CW. More to follow.

#### **THE REMINDERS**

**3B9, RODRIGUES** Olof, G0CKV will be QRV as 3B9HA starting mid-November. Operation in 'holiday-style' on HF using CW with possible low band activity. QSL via LoTW.

**3D2, FIJI** Akira, JA1NLX will be operating as 3D2YA between October 21 and October 25. Activity from Mana Isl (OC-121) from 40 to 10 meter using CW, SSB and digital modes. QSL via JA1NLX, direct or OQRS, LoTW. [http://www.asahi-net.or.jp/~yy7a-ysd/3D2YA\\_2016.htm](http://www.asahi-net.or.jp/~yy7a-ysd/3D2YA_2016.htm)

**3W, VIETNAM** Mike, N0ODK will be operating as 3W2DK from October 20 until November 5. Operation on HF using SSB with some CW and digital modes. QSL via home call.

**5H, TANZANIA** Members of the Ukrainian DX Team will be operating as 5H1XX from Zanzibar Island. More to follow.

**6W, SENEGAL** An Italian team will be active as 6V1IS from November 7 until November 19. The trip will include an activity from Goree and or Ngor Isl (AF-045). Activity on HF and 6 meter using CW, SSB and digital modes. QSL via IK7JWX, logsearch on Club Log.

**6Y, JAMAICA** During the 2016 CQ WW SSB contest, look for Steve, AA4V / 6Y4V, Gay N4SF / 6Y4F, Dave, K8AJA/6Y5 and Rick W4GE/6Y5 to be active as 6Y4V. The team will be on the island between October 21 to November 1. QSL via AA4V, LoTW.

**8Q, MALDIVES** The Polish DXpedition Team will be active as 87SP later this year. Operation from Dhiffushi Isl from November 20 until December 3. More to follow.

**CE0, SAN FELIX & SAN AMBROSIO** CE5WQO and Dima RA9USU have announced this DXpedition scheduled for April 2017. This is a rare DXCC entity (#12 most wanted on Club Log). What began as a 3 man effort for earlier this summer is now a 10 man team with all experienced operators. Planned modes CW, SSB and digital from 160 to 6 meter. More to follow.

**CY9, ST PAUL ISL** A large team will be operating as CY9C between August 19 and August 29. There will be 2 sites on the island, one on the Northeast point and the other in the better known Atlantic Cove. This will assure to operate two stations simultaneously on the same band. QRV from 160 to 10 meter using CW, SSB and RTTY. QSL via OQRS Club Log or via WA4DAN direct only, LoTW. <http://www.cy9dxpedition.com/>

**D6, COMORES** A Czech DXpedition with Pavel OK1FPS, Petr OK1FCJ and David OK6DJ is going to be active as D66D during the second half of September. The license is obtained after 6 months of negotiations for this Club Log most wanted ranked 89 DXCC. Activity from 160 to 10 meter using CW, SSB and digital modes. <http://www.cdxp.cz/>

**FM, MARTINIQUE** Look for AA4OC, WT4BT, W6ABM and N7BF to be active from Anse Mitan, Martinique as TO4OC, FM/WT4BT, TO6ABM and FM/N7BF between October 20 to November 4. QRV from 40 to 10 meter using SSB and digital modes. QSL via homecalls.

**FM, MARTINIQUE** Alex, DD5ZZ will be operating as FM/call from September 12 until October 3. Activity on HF. QSL via home call, bureau or direct, LoTW

**FO, FRENCH POLYNESIA** Look for FO/DF1YP from October 10 until November 2. Operation in 'holiday-style' from Moorea on 20, 17 and 15 meter using SSB and RTTY. QSL via home call, bureau preferred.

**FP, ST PIERRE AND MIQUELON** Operators F4HEC, F1RAF, FK8IK and FM5UX will be operating as TO5FP from September 11 until September 19. More to follow

**FS, ST MARTIN** Look for FS/K9EL, FS/K9NU, FS/N9TK and FS/W9ILY between December 1 and December 10. Operation in 'holiday-style' with participation on ARRL 160 and 10 meter RTTY contest. QSL via homecalls.

**H4, SOLOMON ISL**

**H4, TEMOTU PROVINCE**



Stan, LZ1GC and Emil DL8JJ will be active between September 25 and October 25. The plan is to be active 15 days as H40GC and 10 days as H44GC. Operation from 160 to 10 meter using CW, SSB and RTTY. Focus on low bands. <http://www.c21gc.com/>

**HB0, LIECHTENSTEIN** Berrie PB4PT, Ralph PA1RB, Petro PH9GFB and Chris PA7U will be active as HB0/PB4PT from September 25 until October 1. Operation mostly on HF, but some experiments in other modes and on other bands are considered. QSL via PB4PT.

**J5, GUINEA-BISSAU** The Italian DXpedition Team will be active from the Bijagos Archipelago mid-November. More to follow.

**J6, ST LUCIA** Mac, WT4BT will be active as J68MT from November 4 until November 11. Operation from 80 to 10 meter using mainly digital modes with some SSB. QSL via home call.

**JT, MONGOLIA** David, OK1DBS will be QRV as JT1DBS from August 30 until September 24. During the first week, he will stay in Ulaanbaatar, the next 2 weeks will be from Batshireet (JT1DBS/3). QSL via homecall.

**JX, JAN MAYEN** Svein, LA9JKA will be QRV as JX9JKA from June or August (pending) until mid-October. Activity on all bands with focus on 160 – 30 meter. QSL via home call.

**KH1, BAKER & HOWLAND ISL** A team with Paul N6PSE, Dave K3LP, Aleksey UA4HOX and team leader Hrane YT1AD are planning a large DXpedition to Baker Isl. The plan is to be active somewhere between September and October 2017. The team will be composed with members of WWDX, Intrepid DXers and other interested amateurs.

**KH6, HAWAII** Walt DJ0FX and Kuno DF1SD will be active as KH6FX and KH7SD between October 9 and October 23. Activity from 160 to 10 meter using CW, SSB and digital modes. QSL via homecalls.

**OY, FAROE ISL** An 8-man Belgian team with ON4ANN as team leader will be operating as OY/ON6NB between September 15 and September 21. Activity from 80 to 6 meter using CW, SSB, PSK and RTTY, with emphasis on the higher bands. QSL via ON4ANN, LoTW. <http://users.telenet.be/on4ann/OY/>

**P5, NORTH KOREA** Dom, 3Z9DX will be active as P5/3Z9DX end summer 2016. Dom has a license to operate on 3 bands. He will concentrate on 20 meter using SSB with 100 watts using a multiband vertical from a secured place in Pyongyang with two government supervisors over-looking 24/7.

**S7, SEYCHELLES** Kasimir, DL2SBY will be operating as S79KB from September 24 until October 8. Operation on HF using CW, SSB and RTTY. QSL via home call.

**S9, SAO TOME & PRINCIPE** A German team will be operating as S9YY between October 8 and October 23. Activity on all bands. More to follow.

**S9, SAO TOME & PRINCIPE** Josep EA3BT and Nuria EA3WL will be QRV as S9BT and S9WL from September 26 until October 1. Operation from 40 to 6 meter using SSB with some CW and RTTY. QSL for both calls via EA3BT, OQRS.

**T2, TUVALU** Jacek SP5EAQ and Marek SP7DQR will be operating as T2AQ and T2QR (pending) from March 14, 2017 for about 3 weeks. Operation from 80 to 10 meter with Jacek running SSB and Marek CW and digital modes. <http://tuvalu.sp7dqr.pl/>

**T2, TUVALU** Look for KK7L and N7SMI as T2R from September 27 until October 4. A primary focus of their DXpedition will be to provide training and equipment with intentions to establish a permanent and active Tuvalu Amateur Radio Club and emergency communications station. There are several licensed amateurs in Tuvalu. With the cooperation of the telecommunications authority, they will provide training and supplement on-island HF equipment to get a fully functional club station on the air. QSL via N7SMI. <http://t2radio.com/>

**T31, CENTRAL KIRIBATI** The Perseverance DX Group will activate Central Kiribati late 2017 as T31W. Subject to licensing and landing formalities, it is expected a team of up to 11 operators will be on the island for up to 12 days. At this time T31 is overall #19 most wanted on Club Log. However, the need in EU is significant for CW/SSB/RTTY. Getting a team to T31 requires a safe boat and qualified skipper / crew, this DXpedition will not be inexpensive, fundraising activities will soon begin. <http://t31w.com/>

**T32, EAST KIRIBATI** Ken, KH6QJ will once again be operating as T32AZ from September 1 until September 15. Operation on 80, 40, 20, 15 and 10 meter using CW and SSB. QSL via home call.

**TK, CORSICA** A team will be operating as TK2A from October 28 until November 10. Operation on HF, also during the CQ WW SSB contest. QSL via F5HNQ, LoTW.

**V3, BELIZE** Victor, WB0TEV will be operating as V31VP from August 19 until August 23. Including some contests. QSL via home call.

**V6, MICRONESIA** Michael, DF8AN will be operating from Yap Island as V63AJ. Activity from November 6 until November 20. Operation on HF using CW, RTTY and PSK. QSL via home call, direct or bureau.

**VK9C, COCOS KEELING ISL** A team of 8 operators (including Allen VK6XL and Steve VK6IR) will be active between September 20 and October 4. An entry in the CQWW DX RTTY and Oceania DX SSB Contest will be included. More to follow. <http://dxpedition.itmaze.com.au/2016-cocos-keeling-islands>

**VK9N, NORFOLK ISL** The Quake Contesters Geoff ZL3GA, Mark ZL3AB, Paul ZL4TT and Phil ZL3PAH will be operating as VK9NZ between September 25 and October 8. Activity from 160 to 6 meter with 3 stations. QSL via ZL3PAH, OQRS Club Log, LoTW.

**VP6, PITCAIRN ISL** Uli, DL2AH will be active as VP6AH between September 3 and November 25. Activity in 'holiday-style' from 40 to 10 meter using SSB and digital modes. QSL via home call, direct only.

**VP8, FALKLANDS** Look for VP8CLE and VP8DKW during January / February 2017. More to follow.

**XU, CAMBODIA** An international team from Mediterraneo Dx Club will be active from November 4 until November 14. QRV as XU7MDC with Antonio, IZ8CCW as leader. Operation with 5 stations 24/7 with a focus on low bands and digital modes. <http://www.mdxc.org/xu7mdc/>

**XX9, MACAU** Andy, IK7YTT will be operating as XX9TYT between August 29 and September 5. Operation from 80 to 10 meter. QSL via IW7EGQ.

**ZD7, ST HELENA** Bill, G0VDE will be active as ZD7VDE later this summer. Operation from 40 to 10 meter using SSB with some CW and digital modes. QSL via OQRS Club Log. <http://www.sthelenadx.com/>

**ZL7, CHATHAM ISL** Haru, JA1XGI will be QRV as ZL7/call from November 24 until December 1. Operation on HF including participation in the CQ WW DX CW Contest. QSL via home call, LoTW.

**ZL7, CHATHAM ISL** The '6G' team ( TX6G, E6GG) will be operating as ZL7G from Chatham between October 27 and November 10. Activity with 4 stations from 160 to 10 meter using CW, SSB and RTTY. The location has an excellent short and long path take off towards Europe. More details coming soon.

## **Announced IOTA**

The IOTA'S marked with a yellow box are claimed by less than 25% of IOTA participants. These IOTAs are rather rare. Follow the link to find out more.

### **THE NEWCOMERS**

**AF-064 Robben Isl** During the International Lighthouse Lightship Weekend from August 19 until August 21 will ZS9V be on air. QSL via LoTW. <https://www.rsgbiota.org/info/search.php?q=AF064>

**EU-108 Treshnish Isl** The UK Islands Group will be active as MS0UKI. Operation planned with 4 stations, also a permission to operate overnight is granted. QSL via M0OXO. More to follow!  
<https://www.rsgbiota.org/info/search.php?q=eu108>

### **THE REMINDERS**

**AS-054 Fernliya Isl** <https://www.rsgbiota.org/info/search.php?q=AS054>

**AS-121 Tyrtov Isl** <https://www.rsgbiota.org/info/search.php?q=AS121>

**AS-104 Nansena Isl** <https://www.rsgbiota.org/info/search.php?q=AS104>

**AS-068 Skott-Gansena Isl** <https://www.rsgbiota.org/info/search.php?q=AS068>

The RT9K team is planning their next trip to the Arctic. They want to set up 3 stations from 40 to 10 meter using CW, SSB and digital modes. QSL via RX9KM.

**AS-062 Shikotan Isl** A team of 5 operators from the Robinson Club will be active as RI0FS for a few days during August. They plan to operate on all bands and modes with 2 stations. <http://ri0fs.ru/en/>  
<https://www.rsgbiota.org/info/search.php?q=AS062>

**AS-097 Undan Isl** A large Malaysian team will be operating as 9M2MI from August 19 until August 22. Activity from 40 to 10 meter using CW and SSB. QSL direct via PO Box 118, 75720, Melaka, Malaysia.  
<https://www.rsgbiota.org/info/search.php?q=as097>

**AS-142 Kambalny Isl** The Russian Robinson Club will be operating as UE23RRC between August 14 and August 18. Operation with 2 stations on the most common HF bands. <http://www.as142.org/>  
<http://www.rsgbiota.org/info/search.php?q=AS142>

**AS-182 Mon Region group** <http://www.rsgbiota.org/info/search.php?q=AS182>

**AS-183 Tenasserim Region North group** <http://www.rsgbiota.org/info/search.php?q=AS183>

**AS-184 Preparis Channel group** <http://www.rsgbiota.org/info/search.php?q=as184>

Derek G3KHZ, Hans SM6CVX, Nils SM6CAS, Ulrika SM7WYN and Eddy K5WQG will be operating from 3 new Iota groups after summer 2016. The plan is to stay 6 days on each island and operate using CW, SSB and RTTY. More to follow.

**EU-028 Capraia Isl** Giuseppe, IK5WWA will be operating as IA5C from August 31 until September 9. Activity from 80 to 10 meter with 6 and 2 meter also. QSL via home call, direct or bureau.  
<https://www.rsgbiota.org/info/search.php?q=EU028>

**EU-081 Ile Saint Marcouf** A Belgian team with Pat ON7PQ, Francis ON8AZ, Geert ON7USB and Tim ON5HC will be active as TM6U between August 27 and September 3. Operation from 160 to 6 meter using CW, SSB and digital modes. QSL via ON8AZ, direct or bureau. <http://www.eu081.be/index.php>  
<http://www.rsgbiota.org/info/search.php?q=eu081>

**EU-123 Arran Isl** A large team from the Grantham ARC will be active as GM0GRC and GM7GRC between August 13 and August 21. Operation on all bands using SSB and digital modes. QSL via G0RCI direct, logs will be uploaded to Club Log. <https://www.rsgbiota.org/info/search.php?q=eu123>

**EU-127 Neuwerk Isl** Jan, DL7JAN will be operating as call/P between August 29 and September 5. Activity from 40 to 10 meter using CW and SSB. QSL via home call. <https://www.rsgbiota.org/info/search.php?q=EU127>

**NA-039 Adak Isl** John, KG4FJC will be operating as call/KL7 between August 30 and August 31. Activity on 40 and 20 meter using mainly SSB. QSL via home call, LoTW.

<https://www.rsgbiota.org/info/search.php?q=NA039>

**OC-011 Chuuk Isl** <https://www.rsgbiota.org/info/search.php?q=OC011>

**OC-028 Kwajalein Isl** <https://www.rsgbiota.org/info/search.php?q=OC028>

Keith GM4YXI and Chris GM3WOJ will be operating as V6Z from Chuuk and as V7...from Kwajalein. Operation between October 14 and October 30. More to follow soon.

**OC-063 Gambier Isl** Ulli, DL2AH will be operating as TX2AH between August 17 and August 28. Operation in 'holiday-style' from 40 to 10 meter using SSB and digital modes. QSL via home call. This operation is prior to his Pitcairn Isl DXpedition. <http://www.rsgbiota.org/info/search.php?q=OC063>

**OC-206 Dirk Hartog Isl** This IOTA will be activated between August 14 and August 27 for 5 continuous dates. Operation from 40 to 15 meter using CW and SSB. Due to significance of the event – commemoration of 400 years of Dutch explorer Dirk Hartog landing at Western Australia coast – local communication authorities has allocated special call sign VI6DH400. Actual information regarding DXpedition schedule can be found on <http://vk6nxx.net/> <https://www.rsgbiota.org/info/search.php?q=oc206>

**OC-233 King Isl** Tony, VK3VTH will be operating as call/7 from August 18 until August 22. Operation on 20 and 40 meter using SSB only. QSL via homecall. <https://www.rsgbiota.org/info/search.php?q=oc233>

**SA-061 Mocha Isl** CE6TC and LU8YE will be active as XR6M from November 4 until November 10. More to follow. <http://www.rsgbiota.org/info/search.php?q=SA061>

**SA-100 Pajaros Isl** Look for CE1/IT9YRE and CE1/I1SNW early 2017. It has never been activated before. More details coming soon! <http://www.rsgbiota.org/info/search.php?q=sa100>

## **Special call**

### **THE NEWCOMERS**

**JT, MONGOLIA** The Japan Amateur Radio Development Association was established in 1991, to celebrate its Silver Jubilee, look for **JD1YBV** from August 23 until August 28. Operation from 40 to 6 meter using CW, SSB and RTTY. QSL via bureau or direct to JA1HQG.

### **THE REMINDERS**

**4J, AZERBAIJAN** The first amateur radio callsign was issued in 1926, 90 years ago this first operation took place in a secondary school in Helendorf. To celebrate this event, there will be a number of special calls: **4JRA29**, **4KRA29** and prefix like **4J90**, **4K90**, **4J1926** and **4K1926**. This event is until end 2016.

**9A, CROATIA** Several stations are allowed to add '70' to their prefix, this to celebrate the 70<sup>th</sup> anniversary of the Croatian Association of Technical Culture. This remains until end 2016.

**9A, CROATIA** **9A1700SBD** is the call used by Radio Club 9A4J during 2016. This to celebrate the 1700<sup>th</sup> anniversary of Saint Blaise, patron saint of the city of Dubrovnik. QSL via 9A4J.

**9A, CROATIA** The ARC Karlovac (9A1CVW) is celebrating their 70<sup>th</sup> anniversary with the call **9A70CVW**. Operation until end 2016. QSL via 9A6Z.

**9A, CROATIA** Look for **9A50CBM** to celebrate the golden jubilee of the ARC Marjan (9A1CBM). Operation until end 2016. QSL via 9A1CBM, direct or bureau, logsearch on Club Log.

**A9, BAHRAIN** Look for **A9110RR** until end 2016 to celebrate the 110<sup>th</sup> anniversary of the ITU Radio Regulations. QSL via A92AA.

**DL, GERMANY** **DQ200RHH** (DOK 200RHH) is the call to mark the founding of Rheinhessen, a major German wine-growing region 200 years ago. Activity until end 2016. QSL via bureau

**DL, GERMANY** **DG500BIER** the call used to celebrate the 500<sup>th</sup> anniversary of the Bavarian Purity Law, this law regulates the beer production. Operation until end 2016. QSL via bureau or via DL8NBM direct.

**DL, GERMANY** The German 'ortsverband C16' is celebrating their 65<sup>th</sup> anniversary with the call **DL65TRS** and are using the special DOK '65C16'. Operation on all bands and all modes until end July 2016.

**DL, GERMANY** **DP65HSC** is the special call to celebrate the 65<sup>th</sup> anniversary of the Radio Telegraphy High Speed Club. Operation until end 2016. QSL will be confirmed automatically via bureau and LoTW.

**DL, GERMANY** The ARC in Zoenitz is celebrating its 60<sup>th</sup> anniversary with the call **DM60KJN** until end 2016. QSL via DL3VU, direct or bureau.



**DL, GERMANY DL500BIER** is another call used to celebrate the 500<sup>th</sup> anniversary of the Bavarian Purity Law, this law regulates the beer production. Operation until end 2016. QSL via DJ6SI, direct or bureau.

**DL, GERMANY** Throughout 2016, the DARC Club of Erwitte celebrates its 40<sup>th</sup> anniversary. **DL40RCE** will be QRV during 2016 with the special DOK 40037. QSL via DL5DCL, direct or bureau, OQRS.

<http://www.qsl.net/dl5dcl/home/index.html>

**DL, GERMANY** The DARC ARC of Hersbruck (DOKB12) is celebrating its 40<sup>th</sup> anniversary with the call **DB40HEB** until end 2016. QSL via bureau.

**DL, GERMANY** The European DX Foundation is celebrating its 30<sup>th</sup> anniversary as **DL30EUDXF** until end 2016. QSL via DJ6SI.

**DL, GERMANY DM0MORSE** is the special call during 2016 to celebrate the 225<sup>th</sup> anniversary of Samuel Morse's birth. QSL will be confirmed automatically via bureau.

**DL, GERMANY DL60GAF** is the special call used to celebrate the 60<sup>th</sup> anniversary of Germany's Air Force. Operation until end 2016 on all bands. QSL via bureau.

**DL, GERMANY** The DARC club Neuburg-Schrobenhausen is celebrating the German Purity of 1516 for beer with the call **DL1516BIER**. Activity until end 2016. QSL via bureau or via DK2HM, direct.

**DL, GERMANY** The Radio Telegraphy High Speed Club celebrate their 65<sup>th</sup> anniversary during 2016. Look for **DP65HSC** with special DOK HSC65. The other HSC club stations **DA0HSC**, **DK0HSC** and **DL0HSC** will also give the same special DOK. QSL via bureau. <http://www.highspeedclub.org/>

**DL, GERMANY DF90KWTJ** is the special call to draw attention to the first nation-wide meeting of German HF amateurs at Jena 90 years ago in 1926. QRV during 2016 with the special DOK 90KWTJ. QSL via DL2APJ, direct or bureau.

**DL, GERMANY** Members of the DARC group Butzbach (DOK F71) are celebrating their 30<sup>th</sup> anniversary as **DR30BUT**. Activity until February 2017. QSL via DK7LX direct or OQRS Club Log.

**DL, GERMANY** The DARC club Marsberg (DOK O53) is celebrating its 30<sup>th</sup> anniversary until June 2017 with the special call **DL0MHD**. QSL via bureau.

**DL, GERMANY DR777RI** is active until end 2016 to celebrate the 777<sup>th</sup> anniversary of the town Rinteln. QSL via DL8OBQ, direct or bureau.

**DL, GERMANY** German and French female operators are operating throughout July with **DM88YLF** and **TM88YL**. Operators are Joana DJ5YL, Tina DL5YL, Siggie DK2YL and Sophie F4DHQ. QSL via bureau or direct via DJ5YL, LoTW.

**EI, IRELAND** To commemorate the 1916 Easter Rising of Dublin, **EI1916E** will be QRV during 2016 on HF using CW, SSB and digital modes. QSL via EI3GC, direct only and LoTW.

**F, FRANCE** To commemorate the 160<sup>th</sup> anniversary of Nikola Tesla, **TM160NT** is activated until August 21. QSL via F6KRK.

**F, FRANCE TM0QSM** is the special call in the context of the Transat Quebec Saint-Malo. Activity until July 28. QSL via F4AVX.

**G, ENGLAND** Until December 31 the prefixes **GK**, **MK**, and **2K** will indicate a station operating from Cornwall and the Isles of Scilly. The Regional Secondary Locator "K" stands for Kernow, i.e. Cornwall in Cornish language, and has been made available, for information on "The Kernow Award", offered by the Poldhu Amateur Radio Club.

**HA, HUNGARY** Klara, HA5BA was born on October 23, 1956. This day the Hungarian Revolution broke out. To celebrate those 2 events, **HA1956BA** is activated until end 2016. QSL via bureau.

**HB0, LIECHTENSTEIN** To celebrate the 30<sup>th</sup> anniversary of the Amateur Funk Verein Liechtenstein, is the call **HB0AFVL** operational until end 2016. Activated by the national ham club on all bands and all modes. QSL via HB0AFVL direct, Club Log.

**HB9, SWITZERLAND** Members of the Radio Club ST Cergue are celebrating their 20<sup>th</sup> anniversary as **HB20AA**. Operation during 2016 on all bands during the contests. QSL via HB9ARF, direct or bureau.

<http://hb9aa.radioamateur.ch/>

**I, ITALY II3TF** is the special call to commemorate the devastating earthquake in Friuli 40 years ago. Activity from September 10 until September 18. QSL via IV3IUM. <http://www.ari-crfgv.it/orcolat.asp>

**I, ITALY II0ADM** special call by members of Associazione Radioamatori Computeristi during the Extraordinary Jubilee of Mercy. Operation until November 20. See QRZ.com.

**I, IATLY II0IEM** special call by ARI's section in Rome (IQ0RM) during the Extraordinary Jubilee of Mercy. Operation until November 2016. QSL via IQ0RM. An award is available, for more info see

<http://www.ariroma.it/>

**JA, JAPAN 8N655HAM** is the call by the Okinawa Branch for celebrating its 55<sup>th</sup> anniversary. Operation until July 31. QSL via JS6PSH, bureau. <http://www.jarl.com/okinawa/>

**JA, JAPAN 8J3ME** is the special call by The Mitsubishi Electric ARC to celebrate the 50<sup>th</sup> anniversary on the air. Operation until December 24. QSL via bureau.

**JA, JAPAN** The special station **8J7START** is operating until August 31 to draw attention to disaster management and the reconstruction after earthquakes. Operated by members of the Sendai Tuning DX Club. QSL via bureau.

**JA, JAPAN** To celebrate the 100<sup>th</sup> anniversary of the city of Okazaki, **8J2OKZ** is QRV until end 2016. QSL via bureau.

**JA, JAPAN** Look for **8J2UMI** until July 31, this to mark Umi Festa Higashimikawa. QSL via bureau.

**JA, JAPAN** The Iruma Amateur Radio Club is celebrating the founding of the town 50 years ago. Look for **8J1IRM** until end 2016. QSL via bureau.

**LZ, BULGARIA** To celebrate the 65<sup>th</sup> anniversary of the High Speed Telegraphy Club, **LZ65HSC** is operating until end 2016. QSL via N7RO. <http://www.highspeedclub.org/>

**LZ, BULGARIA** Radio Club Blagovestnik LZ1KCP will use special callsigns throughout 2016 to honor as many different Bulgarian saints: **LZ1886PGS** (July), **LZ1043PMU** (August), **LZ304MED** (September), **LZ935MWC** (October), **LZ960SPA** (November) and **LZ463PP** (December). QSL via bureau or direct <http://www.lz1kcp.com>

**OE, AUSTRIA** **OE2XXM** and **OE5XXM** are operating until July 31 around the international amateur radio meeting in Gosau on HF (mainly on 80 and 40m) and 2 meter and 70cm. QSL via bureau.

**OH, FINLAND** The ARC Jakobstad (OH6AG) is celebrating its 70<sup>th</sup> anniversary with the call **OH70AG** until end this year. QSL via OH6AG, direct or bureau. <http://www.multi.fi/~oh6ag/>

**OM, SLOVAK REPUBLIC** **OM41KYSUCE** is active until August 31 to mark the 41<sup>st</sup> ARDF Championship 'Kysucky pohar'. QSL via OM3CND. <http://40-kysucacup.webnode.sk/>

**PA, THE NETHERLANDS** Joerg, PA1MUC is celebrating the 65<sup>th</sup> anniversary of the High Speed Club HSC with the special call **PA65HSC**. Activity until end 2016. QSL via DL3LUM, direct or bureau, Club Log, LoTW.

**PA, THE NETHERLANDS** **PI35ETL** is the call used to celebrate the 35<sup>th</sup> anniversary of VERON's Section 54. Operation on HF and VHF from December 1 until December 28. QSL will be sent automatically via bureau. For direct QSL via PA1CPA. Award available on <http://www.qrz.com/db/pi35etl/>

**PY, BRASIL** Look for **ZV2016RIO** to celebrate the 2016 Olympic Games in Rio de Janeiro. QSL via PY1AA, bureau.

**PY, BRASIL** PS7AB (SSB) and PP1CZ (CW and digital modes) are active as **PY160FD** until July 30. This to celebrate the 60<sup>th</sup> anniversary of the foundation of the first Fire Department in Brazil. QSL via PS7AB, direct or bureau, LoTW.

**SP, POLAND** Look for **HF30BLP** to celebrate the 30<sup>th</sup> anniversary of the Bolimow Landscape Park. Activity until September 30. QSL via SP7PCZ, direct or bureau.

**SP, POLAND** **HF2016HS** is the call to celebrate the 170<sup>th</sup> birthday of the Polish Nobel Laureate Henryk Sienkiewicz. Operation until end 2016. QSL via SQ8JCB.

**SP, POLAND** Look for **3Z35RTTY**, **HF35PBW**, **HF35RTTY** and **SO35RTTY** to commemorate the first RTTY QSO from Poland in 1980 between SR1PBW and Y23NE. Operation until December 18. There is an award available. [http://www.sp1pbw.pl/Dyplom\\_RTTY/Dyplom\\_rtty.html](http://www.sp1pbw.pl/Dyplom_RTTY/Dyplom_rtty.html)

**SP, POLAND** Look for **HF2DSM** until August 31, this to mark the Second World Youth Days in Cracov. QSL via SP9PKZ, direct or bureau.

**SP, POLAND** Dionizy, SP6IEQ is operating as **HF6FIRAC** during 2016. QSL via home call.

**SP, POLAND** The town Dabrowa Gornicza celebrates its 100th anniversary, look for **3Z100DG**, **SP100DG**, **SQ100DG**, **SO100DG**, **SN100GD** and **HF100DG** until end of October. QSL for all calls via SP9PDG.

**SP, POLAND** Members of the ARC SP9KAG are celebrating their club's 60<sup>th</sup> anniversary with the call **HF60KAG** until October 22. QSL via SP9KAG.

**SP, POLAND** To celebrate the first university courses in agriculture at Warsaw's university 200 years ago, **SN200SGGW** is active until end 2016. QSL via SP5TAT.

**SP, POLAND** **SN800L** celebrates 800 years of documented history of the town Lubawa. Operation during 2016. QSL via SP4RKZ, direct or bureau.

**SV, GREECE** Look for **SX210RCK** until end 2016. This to celebrate the 10<sup>th</sup> anniversary of Radio Club Kastoria. Operation from 160 to 6 meter using CW, SSB and RTTY. QSL via SV2BXZ, LoTW.

**TA, TURKEY** Antalya hosts the EXPO 2016 until October 30. Operators Nuri / TA3X, Yucel / TA3CY, Coskun / TA3CX, Selim / TA3TTT, Abdulkadir / TA3AER, Ali / TA4AKS, Atilla / TA4ED, Met / TA5FA, Mehmet / TA1CM and Metin / TA1ED will be active with the special event calls **TC2016EXPO** and **TC2016ANT** until the end of October. QSL for both calls via TA4ED. <http://www.expo2016.org.tr/Anasayfa/>

**TF, ICELAND** To celebrate the 70<sup>th</sup> anniversary of the Icelandic Radio Amateurs, Icelandic amateurs may use the **TF70** prefix during 2016.

**UA, RUSSIA** The following special event stations are celebrating the 80<sup>th</sup> anniversary of the Jaroslavl region until August 31: **R80YRG**, **R80RYG**, **R80PEG**, **R80BSR**, **R80BGR**, **R80BRR**, **R80GYR**, **R80DAR**,

**R80LRR, R80MYR, R80NKR, R80NER, R80PER, R80PMR, R80POR, R80ROR, R80RYR, R80TRR, R80UGR, and R80YRR.** An award is also available. QSL via RC3M. <http://www.ro3m.ru/>

**UA, RUSSIA R100MA** is the special call to celebrate the 100<sup>th</sup> anniversary of the Russian Navy. Activity until August 2. QSL via R5ZD.

**UA, RUSSIA R1770LI** is the special call to commemorate the Battle of Chesma. Operation until end July. QSL via bureau. <http://r3i.ru/r1770li.html>

**UA, RUSSIA** The city of Orel celebrates their 450th anniversary with the special station **RO450Y** in August. An award will be available. QSL via R2EA.

**UR, UKRAINE EO25U** is the special call to celebrate 25 years of Ukrainian Independence. Operation until November 30. QSL via UT7UU, direct or LoTW.

**UR, UKRAINE** To celebrate the 90<sup>th</sup> anniversary of the Lviv Shortwave Club, **EO90WU** is therefore QRV until end 2016. QSL via UW1WU.

**YU, SERBIA** To commemorate the 160<sup>th</sup> anniversary of the birth of Nikola Tesla, ARC Novi Beograd will use the call **YU0TESLA** until end 2016. QSL via YU1FJK.

**Z3, MACEDONIA** The Radio Club Stevo Patakot is celebrating its 70<sup>th</sup> anniversary with the call **Z370CEF** until end 2016. QSL via bureau.

**Z3, MACEDONIA Z370RSM** is QRV until end 2016. This to celebrate 70 years of the Radio Amateur Society of Macedonia. QSL via Z33RW.

Thanks to DX-World and ADXO.