



DX bulletin 585

14/11/2024

By ON9CFG

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DX NEWS

3D2Y Rotuma DXpedition -update November 13

The team begins their journey to Rotuma on November 12th. We arrive on Rotuma on November 15, and will be on the air through December 3. We are still working hard to reach our funding raising goals. Please consider supporting the 3D2Y Rotuma DXpedition. Visit our [website](#) for details. All donations are greatly appreciated.

We hope to see you on the bands, the op on the other end is likely a young ham experiencing the thrill of a DXpedition pile up for the first time!

XT2MD Burkina Faso -now QRT

With 75K QSOs in the XT2MD log, having lost 3 full days off air due to electricity problems outwith their control, the team went QRT @ 0425z today.



VK9CV Cocos Keeling Islands -update November 13

Yesterday (Tuesday) morning, we had an early wake-up call as workers arrived to reinforce the dam. We took down the vertical antenna on 160m, packed up the radials, and in the evening, we set it up again in the same spot. Suddenly, we had a clean spectrum on 160m and worked with many new stations on FT8.

We made the first-ever QSO on 30m SSB, allowed for VK and Oceania. About 25 stations called. The end of the expedition is approaching. The last activity on 80/160m will likely be on the night of Wednesday to Thursday. After that, we'll gradually start packing up antennas and workstations, with one station planned at each QTH for the last night (Nov. 14-15).

QRT will likely be at our sunrise – Nov. 15, 2024, 00:00z.



Caribbean trip -update November 14 by Rudi DK7PE

In the evening I will try to make it to Barbados, 8P9PE. After Barbados I will I leave to London. Today, (Nov 13th) I met two famous radio operators from the Island of Saint Kitts. Joel V44KAI is a 100% CW man, while John worked 100% SSB in his life. John started in 1958 at the age of 13. He is a life and legacy member of ARRL.

John was working in the oil business for Schlumberger Limited (French pronunciation) or now SLB. One day the company needed a special analyzer sold by HEATHKIT. Instead of buying only the analyzers, Schlumberger bought the whole company for a bargain of only 50 Mio USD. That is the reason why you read HEATH and Schlumberger on the Heatkit equipment of the 70ies he said. Wow, I was wondering what Schlumberger ment, but now I have learned something new!

On the scene... S9Z Sao Tome & Principe

Setting up the EME station on the top of the so called "heart attack" hill on Sao Tome.



ZD7G St Helena Island -update November 12

With **ZD7SFU** now QRT and back home in Japan, Shinji **ZD7G** continues to be very active (until November 22). Few days ago he was performing tests using RS-44 and was seeking QSOs. Today, we received an update:

ZD7G successfully communicated with Spain via satellite communication on RS-44. With guidance from EA4NF and his friends who contacted me after seeing info on DX World website, I was able to QSO with EA4NF at 9:08 UTC on November 12th. ZD7G plans to continue QRVing on RS-44 during daytimes.

C5T and C5I The Gambia -update

Team had a Zoom meeting few days ago to go over everything. This is not going to be a full-blown 24/7 DXpedition for following reasons:

- 1/ Some of the ops will do IOTA AF-060 – callsign C5I.
- 2/ One or two will stay at hotel during the IOTA activity – callsign C5T.
- 3/ It's possible one or two may drive a 4×4 to activate the rare Grids (IK23, IK33) – callsign C5T/P.

Ultimately, C5T will be used more often than other calls. Team are mindful of the fact both 3D2Y and 9L5A have bandplans.

VU4X Andaman Islands -update November 9

We gathered at 8 am, starting with coffee and some coffee cakes while catching up. Then, we reviewed our 'To-Do' list, as a long day lay ahead. ON4HIL Patrick began by giving us a detailed explanation of the bandstop filters he is building. Tasks were then divided into groups, and we got to work. After gathering a large amount of material and organizing it, it was time for the first major test of the day. On the to-do list was:

- Building and testing the two Spiderbeams.
- Measuring high-power bandpass filters.
- Testing and measuring bandstop filters.
- Preparing coax cables (800 mtr).
- Setting up and testing stations, computers, networking.
- Testing stations and antennas in combination with the high-power bandpass filters and bandstop filters. [VU4X – Andaman Islands | DX-World](#)



V55LA Namibia –now QRT

Now that the V55LA team is back home we are having a closer look at our statistics. No brainer, we just want to improve ourselves and learn from it.

The total number of QSO has been finalized at 35,808 QSO with 13,441 of them being unique callsigns (37,54%). We are very satisfied with this result and we hope that we gave to most you, if not an ATNO, some interesting band slots.

There are always things to improve and we are already working on it for our next Dxpedition. For example, we will next time have more in band options to run both CW and SSB at the same time during best band openings (or alternatively FT8 when conditions are difficult).

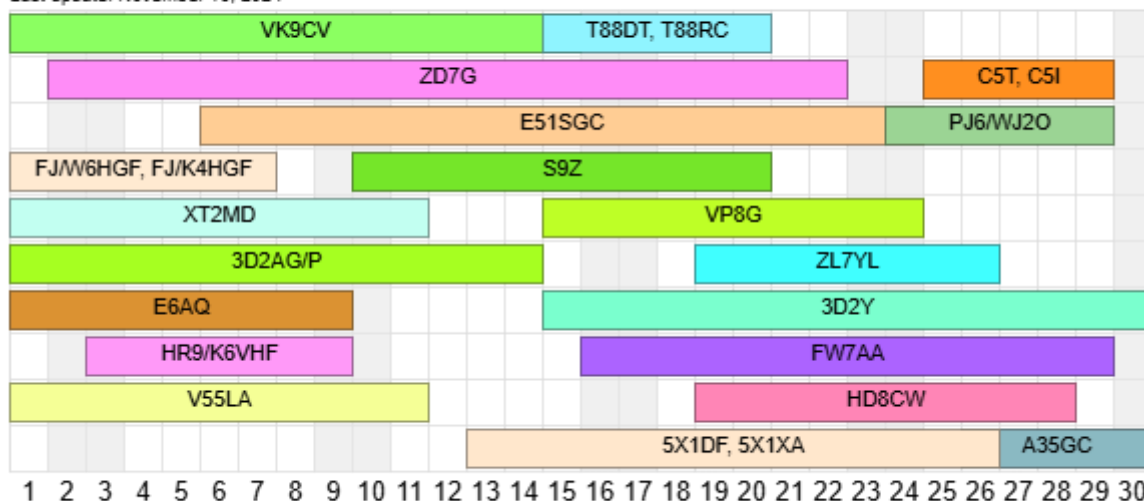
We are really proud to keep up on human modes, we don't forget digit modes of course but have no focus on them as primary source of contacts.



DXCC Timeline

DXWORLD.net FEATURED DXPEDITIONS TIMELINE

Last update: November 13, 2024



Edited by MM0NDX

NOVEMBER

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DXCC

This week on air

This can change daily, please visit <https://www.dx-world.net/> for updates.

EA8DBM / LY3UW Caribbean Tour

Alex EA8DBM / LY3UW continues his Caribbean tour. Although operating mainly EME, Alek is also quite active on HF bands, FT8 from each entity.

His schedule is as follows:

Nov 14-18: **FJ/EA8DBM**

Nov 19-24: **KP4/EA8DBM**

Alek has a sub-stack which can be read [here](#) for up to date info on his activities.

3B9, RODRIGUES ISL Kazu, M0CFW will be operating as 3B9/call from November 17 until November 27. An entry in the CQWW CW contest is included as 3B9KW. QSL via Club Log, LoTW.

3D2, FIJI Theo, PA3CBH is active as 3D2TP from Suva until December 12. QRV during his spare time QRP using CW and SSB. QSL via home call.

3D2/R, ROTUMA ISL The Pacific Islands DXpedition Group (PIDXG) announces a team with Gregg, W6IZT; Hal, W8HC; Dean W2FQ, Nathan, K4NHW and others will operate from Rotuma as 3D2Y between November 15 and December 4. The 6-man team will be QRV with 3 stations from 160 to 6 meter. An entry in the CQWW DX CW contest is included (call TBA). In addition, 2 NexGenRibs will be operated by a team of young amateurs. QSL via M0OXO OQRS.

5X, UGANDA Don, G3XTT (as 5X1DF) and Alan G3XAQ (as 5X1XA) are QRV until November 27 but primarily to take part in the CQWW CW contest. Both will enter as a single-band category – in Don's case 40m and in Alan's probably 15 or 10m. Also likely to QRV prior to the contest on various bands; CW and probably some FT8. QSL 5X1XA via G3SWH and 5X1DF via G3XTT.

7P, LESOTHO Wolfgang, HB9CSS is active during his spare time as 7P8EA. Operation until November 21 on 10, 15 and 12 meter using CW and SSB. QSL via home call.

8R, GUYANA Aldir, PY1SAD is active as 8R1TM from Georgetown until November 24. Operation on all bands using CW, SSB and digi. QSL via LoTW and direct.

D4, CAPE VERDE Emir E77DX will again be active from the D4C QTH as D4DX during November 13-27. Operation from 160 to 6 meter using yagi antennas on 40-6m, 80m 4-square and 160m vertical with rx antenna. Participation in the CQWW CW contest (callsign TBA) as SOAB, HP. QSL via E73Y, LoTW.

E5, COOK ISL Active earlier this year from Wallis & Futuna and New Caledonia, Stan LZ1GC and Ted LZ5QZ are again on Pacific travels. First stop will be Rarotonga, Cook Islands as E51SGC (second stop A35GC, Tonga). Dates for E51SGC: November 6-24 from 160 to 6 meter using CW, SSB, FT8/FT4 & RTTY. QSL via LZ1GC, LoTW, Club Log OQRS.

On the scene...E51SGC



FM, MARTINIQUE Yuri, VE3DZ will once again be active as TO4A during November 20-27. An entry in the CQWW CW contest is included. QSL via home call, Club Log. <https://www.qrz.com/db/TO4A>

FO, FRENCH POLYNESIA Laurent, N5LCP is active from Bora Bora as FO/call until November 16. Activity on 20 and 15 meter using SSB and FT8. QSL via home call and LoTW.

FR, REUNION ISL Jean, F5SGI is active as FR/call until November 18. Operation on HF using CW. QSL via home call bureau or LoTW.

FS, ST MARTIN Gary, KC9EE will be active as FS/KC9EE during November 19-26, 2024. Participation in the CQWW CW contest using an Elecraft K3 and wire antennas. QSL via H/c, LoTW.

FW, WALLIS & FUTUNA Bob W7YAQ and Al K7AR will be active from Wallis between November 16 and November 29 as FW7AA. Al K7AR says: 'We will be active as FW7AA on 160-6 meters using two Elecraft K Line stations and amplifiers. We will use a DX Commander Classic, DX Commander Signature 12, and 160 M inverted L antennas. Our 6 meter activity will be casual, occasionally CQing and monitoring FT8 on 50.313 when not busy or out for dinner. On our return trip home we will stay in Fiji for 3 days and will be active from Club Fiji as 3D2NB from November 30 to December 2. QSL both callsigns via W7YAQ through OQRS, and LoTW.'

FY, FRENCH GUIANA Rikk, WE9G has been very busy travelling and operating recently – many ops will have worked him from JW, KH8, V4, VY0 & VP2V. His next activity will be from Matoury, French Guiana as FY/WE9G during November 15-23. QSL via WE9G for Direct/Bureau or use Club Log OQRS

On the scene...V4/DK7PE



HC8, GALAPAGOS ISL Look for HC5CW/K2IN and HC2AP from San Cristobal Island as HD8CW between November 19 and November 28. Operation on HF using CW, SSB and FT8. An entry in the CQWW DX CW contest is included as HC5CW/8. They will run 2 x Flex Radios, 2 x Hexbeams, and a 80/40m Loop antenna throughout their DXpedition. QSL details on QRZ.com.

JD1, MINAMI TORISHIMA Take, JG8NQJ will once again be active as call/1 starting mid-November for about 3 months. Activity mainly in CW with some FT8. QSL via JA8CJY, LoTW.

OX, GREENLAND Bo, OZ1DJJ is again QRV as OX3LX until November 25. He plans activity from grid squares GP47 and GP49 on HF bands. This is a work trip so only active when time permits. QSL via OZ0J.

PJ6, SABA Dave, WJ2O will be active as PJ6/call between November 17 and November 26. An entry in the CQWW CW contest is included. QSL via N2ZN.

PJ7, SINT MAARTEN Ed, N2HX is active as PJ7PL until December 18. Outside the contest operation in 'holiday-style' using FT8 and RTTY. QSL via home call.

PZ, SURINAME Look for PZ5JT this October and November during a jungle training of the Royal Dutch Army. The station is manned by personnel from the signal regiment on 40, 20, 17, 15 and 10 meter using SSB. PZ5JT will be using in-service military radio's (L3Harris) from different locations, but most of the time from main (command) post – keep your ears open for a special /M or /P from more challenging locations.

S9, SAO TOME A team consisting N4XP, 5B4AQN, CT1BOL, CT1EEB, HI8RD, I8NHJ, KH7U, KJ7KOJ, K0IR, K3VN, N2WB, N6MZ, WB4JTT and W7YED is active from Sao Tome as S9Z until November 20. QRV with 6 stations - four for general operations (CW, SSB and digital), one for 6 metres and RTTY and one for EME, a position for QO-100 Satellite will also be made available. Plans are for S9Z to operate CW, SSB, FT8 (Super Fox) and RTTY on 160-6 metres (see the band plan on the DXpedition's website), and to use Club Log's Livestream. QSL via OQRS (direct and bureau), or direct to N4NHW.

T8, PALAU Nobu JH1OLB and Tony JH1FFW will be operating as T88DT and T88RC between November 14 and November 20. QRV on HF using SSB and FT8. QSL via LoTW.

TR, GABON Roland, F8EN is once again QRV as TR8CR until mid-January 2025. Operation from 30-10 meter using CW. QSL via F6AJA.

V4, ST KITTS Look for Andy N2NT as V47NT between November 17 and November 26. Activity from 160 to 6 meter with an entry in the CQWW DX CW contest. QSL via W2RQ.

V4, ST KITTS Look for W5JON as V47JA from Calypso Bay until November 15. Activity from 160 to 6 meter using SSB and FT8 with a Yaesu FT-3000D, and Elecraft KPA500 amplifier. Antennas: Mosley MP-32N beam for 10/15/20m, 33' vertical for 10-80m and a 6m Yagi. QSL direct to W5JON or via LoTW.

VK9C, COCOS KEELING Members of OM7M and CDXP are active from Cocos-Keeling island as VK9CV until November 15. Team consists of OM5ZW, OM4AYL, OK6DJ, OK2ZA, OM3PC, OM4MM, OM4MW and VK5GR. QRV from 160 to 6 meter using CW, SSB, FT8, RTTY and SAT QO-100. QSL via OK6DJ, Club Log and LoTW. <https://vk9cv.com/>

VP8, FALKLAND ISLANDS Gerben will be active as VP8G between November 15-25. He will use the same setup as for VP6G which will allow him to operate two stations simultaneously. Activity on 40-6 meters and using a Hexbeam (20-6m) and DX Commander (40-10m). Modes are primarily CW and FT8 (using MSHV). <https://dx.to/vp8g/>

VP9, BERMUDA Darrel, AB2E will once again be active as call/VP9 between November 20 and November 26. Primarily during the CQWW CW contest as VP9I. Before and after he will be from 160 to 10 meter using CW, SSB and FT8. QSL via LoTW or home call direct, VP9I goes to WW3S.

On the scene...3B8M team Mauritius

2024 advance team arriving MRU airport (Nov 13).



YN, NICARAGUA Mike, AJ9C will again be operating as YN2CC between November 19 and November 28. Activity from 160 to 6 meter using CW, SSB and digi. QSL via home call, LoTW.

ZD7, ST HELENA Chuma JM1GDA and Nagano JF3SFU are active as ZD7G and ZD7SFU until November 22. Operation in 'holiday-style' on HF using mainly FT8 with some SSB and CW. QSL via Club Log, LoTW or via homecalls.

ZL7, CHATHAM ISL Xenia, ZL4YL will be active as ZL7YL from Waitangi between November 19 and November 26. An entry in the CQWW CW contest is included. QSL via home call. Holger ZL3IO, Xenia's father joins her as ZL7IO.

Coming up soon

3B8, MAURITIUS 3B8M will again be active M/M in CQWWCW 2024. Team in 2024 will include G0CKV (3B8HA), KX7M, 4O3A, 3B8GL, E70A, SM0CXU, YL3JA, YL2KL, YT1HA, YT7KM, YU6DX & YU9DX.

A3, TONGA Stan LZ1GC and Ted LZ5QZ will be active from Nuku'alofa as A25GC between November 25 and December 6. Operation from 160 to 6 meter using CW, SSB and FT4/8, RTTY. QSL via LZ3GC, LoTW and Club Log.

C5, THE GAMBIA A team consisting with EA3NT, EI5GM, EI9FBB, MM0NDX & MM0OKG will be QRV from The Gambia during November 25-29. This short activity will see the group operate from the mainland as C5T and possibly from the Bijol islands, AF-060 as C5I. QRV on various bands and modes, including 60m and 6m. QSL via EA5GL. Further updates provided nearer the time.

C6, THE BAHAMAS Brian, ND3F will once again be active as C6AQQ between November 21 and November 28. Activity on HF with an entry in the CQWW CW contest. QSL via LoTW.

FO/M, MARQUESAS Paula, NX1P will be operating as FO/call on November 20-22. Possible QRV on 40, 20, 15, 12 and 10 meter using low power. An entry in the CQWW CW contest is included.

FS, ST MARTIN Philip, K0CD will be operating as FS/call during the CQWW CW contest (Nov 23-24). Operation before and after the contest. QSL via home call.

HR, HONDURAS Gerard, F2JD will be operating as HR5/call from late November until late March 2025. Operation on HF and 6 meter using CW, SSB and FT4/8. QSL via F6AJA direct or bureau.

<https://lesnouvellesdx.fr/voirlogs.php>

PJ4, BONAIRE Look once again for PJ4A during the CQWW CW contest. Team with K4BAI, KU8E, N8VW and N4RR, active before and after the contest as PJ4/calls.

PJ7, ST MAARTEN Ed, N2HX will once again be active as PJ7PL later this year. An entry in the CQW SSB CW contest is included. Outside the contests he will operate on HF using CW, SSB and digi. QSL via home call.

T8, PALAU Nobu, JA0JHQ will once again be active as T88PB during November 22-26. Operation from 160 to 6 meter using CW and SSB with an entry in the CQWW DX CW contest. QSL via home call.

VP2E, ANGUILLA Bob, GU4YOX will be operating as VP2EBB during the CQWW CW contest end November. QTH is on the north east coast as SOSB 20 meter. QSL via home call, LoTW.

VU4, ANDAMAN ISL Krish, W4VKU will be active again as VU4A late November to mid-December. Krish mentions '*since many of you were unable to work VU4, due to the noise levels encountered during the previous VU4N trip, the needed permission was sought back in January 2024 to return and finish the effort, this time as VU4A.*' QRV on HF using SSB and FT8. QSL via Club Log.

IOTA

This week on air

AFRICA

AF-090 Saint Marie Isl Eric, F6ICX is once again active as 5R8IC until end 2024. Operation on HF using mainly CW with some SSB. QSL via LoTW and home call.

ASIA

AS-079 Miyako Isl Take, JS6RRR (also JI3DST/6, JJ5RBH/6 & JR8YLY/6) is operating until November 25. QRV from 160 to 6 meter using SSB, CW and FT8 using the various calls mentioned on different modes. Participation in the CQWW CW contest as JS6RRR. All QSL info on QRZ.com.

AS-128 Phu Quoc Isl Juris YL2GM and Eugene EA5EL will be active as XV9X between November 19 and December 2. Activity from 160 to 6 meter using CW, SSB and FT8. QSL via YL2GN.

[XV9X 2024 - News and information](#)

OCEANIA

OC-133 Labuan Isl Saty, JE1JKL is once again active as 9M6NA until November 25. An entry in the CQWW SSB and CW contest is included. QSL via LoTW and OQRS.

<https://jsfc.org/je1jkl/9m6na.html>

SOUTH AMERICA

SA-018 Chiloe Isl Team 3G7X (VE3CT, CE3SPR, CX6DRA, KQ7W, LU9VFS and LW6DG) will be QRV during November 18-24. Operation from 160 to 6 meters using all modes with an entry in

the CQWW CW contest as XR7X. QSL via LoTW or CE3SPR. [Home | XR7X Chiloe' Island](#)

On the scene...DK7PE during his Caribbean trip
Rudi DK7PE, John V44JA and Joel V44KAI (credit: DK7PE)



ANNOUNCEMENTS

Announced DX

THE NEWCOMERS

FS, ST MARTIN Team TO9W (K9EL, K9NU, W9AP and W9MR) will be operating between November 30 and December 13. Operation from 160 to 6 meter using CW, SSB and digi with 3 stations. QSL via Club Log, LoTW or via W9ILY. <https://www.k9el.com/TO9W/TO9W.htm>

KH0, MARIANA ISL In collaboration with KH0D (Charly Queen DX Gang) and NH0E (The Northern Mariana International Amateur Radio Club), Kuny (JA8VE), Mako (JO1ABS), Hiro (W1VX a.k.a. JF1OCQ) and John (WB6Z) will be operating from Saipan, CNMI (IOTA OC-086), scheduled November 28 (1400Z) – December 03 (2000Z). The team will be running two/2 stations simultaneously, about 3 miles apart from each other for avoiding QRM on the island. Look for KH0/JA8VE, KH0/JO1ABS, KH0/W1VX, KH0/WB6Z, KH0D and NH0E from 160 to 6 meter using CW, CW and FT4/8. QSL via JF1OCQ, LoTW, Club Log.

TI9, COCOS ISL Pending approval from all relevant authorities, Charlie TI5CDA plans an HF and EME DXpedition to Cocos Island sometime in 2025. Callsign: TI9CDA. Updates to follow throughout the coming months. (Charlie uses EA5GL as QSL manager).

FO/DL7JLL Mangareva

VP6JLL Pitcairn

Hardy, DL7JLL got in touch with DX-WORLD to mention about his upcoming DXpedition to Mangareva and Pitcairn during December 18, 2024 to January 15, 2025. Details as follows:
FO/DL7JLL – Rikitea village, Mangareva.

VP6JLL – Adamstown, Pitcairn Island.

QRV with a KX3 transceiver and small 50w amp + inverted V antenna. Bands: 10, 15, 20m – SSB only.

THE REMINDERS

6W, SENEGAL

C5, THE GAMBIA

Billy, F4GJE will be operating as C5RK and 6W1RD during January 2025.

C5RK January 4-5

6W1RD January 11-12

Operation from 80 to 10 meter using SSB, FT4/8. QSL via EA7FTR.

3B9, RODRIGUES ISL David OK6DJ and Milan OK7GU will be active as 3B9DJ between March 23 and April 5, 2025. Operation from 80 to 10 meter using CW, SSB and FT8. QSL via OK6DJ, OQRS and LoTW.

5N, NIGERIA The Rebel DX Group are off to Abuja, Nigeria after their Tuvalu DXpedition. They have requested the callsign 5N9DTG. Three ops with up to 10 stations; 160-6m, mainly CW & FT8. Dates will be announced soon.

5R, MADAGASCAR Janusz, SP9FIH and Leszek, SP6CIK will be active from Andilana, Nosy Be island, Madagascar (AF-057) as 5R8WE and 5R8CI. Operation from 40 to 10 meter using CW, SSB and FT8. Superfox mode as 5R8CI. QSL via Club Log.

6W, SENEGAL Willy ON4AVT will once again be active as 6X7/call between February 2 and April 10, 2025. Operation from 80 to 10 meter using SSB, digi and QO-100 sat. QSL via home call, Club Log.

6Y, JAMAICA The EIDXG DX Group will be QRV as 6Y7EI between March 12 and March 24, 2025. More to follow.

8Q, MALDIVES Look for Mariusz, SP5MDB from Vaavu Atoll as 8Q7SQ (dates TBA). Activity on 20, 15 and 10 meter using SSB. QSL via home call.

9L, SIERRA LEONE F6KOP can now inform the DX community that its next expedition will take place between November 27 and December 8 as 9L5A. This DXCC entity had already been activated by F6KOP in 2019 (9LY1JM) but is however in 80th position on the most wanted list. 14 operators are planned and "human" modes (CW and SSB) will have an important place in traffic. More information to come... (F2DX, communication manager).

9L, SIERRA LEONE The Russian DX Team (RUDXT) announce they are planning their next trip to Africa later this year (dates are not confirmed yet). This time, they say, their goal is Sierra-Leone and Guinea. The callsign 9L7RU has been granted and they have applied (currently waiting) for their 3X license. The team say much preparation is still to be done, so an official update will follow later once they have everything ready for the trip.

On the scene...9L5A preparations



9U, BURUNDI Antonello, IK2DUW confirms there is a DXpedition in preparation, sponsorship is sought. More to follow.

C6, THE BAHAMAS Chip, K1KJD and John K4SGR will be active as C6ADA between February 12-16, 2025. Activation of 2 new POTA and as many lighthouses as possible. QRV on HF using CW and SSB with some FT8. More to follow.

C9, MOZAMBIQUE The Czech DX Team will be active as C8K during the second half of January 2025. Operation from 160 to 6 meter and QO-100, RS-44, IO-117 using CW, SSB and digi. Club Log live stream if possible. QSL via OK6DJ OQRS, LoTW. Antennas: 6m 5el. YAGI, 10m 4el. Yagi, 10-15-20 incl WARC 3 x Spiderbeam, 17/15/12m 2el. YAGI, 2x 30m phased verticals, 2x40m phased verticals, 80m vertical + 10 pcs radials, 160 vertical +10pcs radials RX: 3x Beverage + RX vertical Focus on low bands.

E5, COOK ISL Steve, ZL2KE will once again be active as E51KEE next August 2025. More to

follow.

E6, NIUE Gavin ZL3GAV will be active as E6SP for 3 weeks in April 2025. It will be a more advanced mini expedition. Extra antennas/radios including 6m and satellite operation, focus on IO117 Greencube (if still working) and other available satellites: linear/FM. More details will be advised when planning is advanced.

FO, AUSTRAL ISL Mladen 9A2NA, Rolando 9A3MR, Livio 9A7Y and Zik DK8ZZ/YT3ZZ will be active from Tubuai between April 25 and May 7, 2025. Focus on human modes with some FT8/FT4. They have already applied for a special TX callsign. QSL via DK8ZZ.

<https://austral2025.com/>

FO/M MARQUESAS ISL A team with F5VHQ, F8GGV, F6BCW, F5SDD, SP5APW, HB9GWJ, F8ATS, EA1SA, F6FMC, F1MNO, OK2WX will be QRV as TX7N during January 2025, the team will also use TX100REF (REF CW), TX7MAS (SAT + 23EME) and TX7WW (CQWW CW 160) throughout the DXpedition period covering special activities / contests

FR, REUNION ISL Dates still to be confirmed, but look for Giovanni IZ2DPX as TO7PX. QRV from 40 to 6 meter using SSB & FT8 using fishing rod antenna. Operation in 'holiday-style'. QSL via IK2DUW.

On the scene...S9Z Sao Tome & Principe



FY, FRENCH GUIANA Joe, OZ0J will be operating between December 20 and December 31 (call pending). Operation from 80 to 10 meter but depending on free space for antennas. QSL via Club Log OQRS (prefer), LoTW or H/C. He will operate on CW, SSB and FT8 (mostly Fox/Hound), but mostly FT8 because FY5FY and FY5KE are very active on CW, SSB and RTTY. Club Log Live Stream will be added if the Internet connection is stable. Website url to be added once callsign known.

HC8, GALAPAGOS ISL A large team with 20 operators currently formed by HC5VF, PY2DV, PY2EL, PY2MC, PY2PT, PY2WAS, PY3MM, PY4RGS, PY5CC, PY5HSD, PY5KD, PY6HD, PY6RT, PR7AB, PY7XC, PS8RV, PV8DX, VU2RS and YT1AD will be active as HD8G between April 18 and April 27, 2025. Operation with 10 stations from 160 to 6 meter using CW, SSB and digi. QSL via MOURX OQRS, LoTW. <https://hd8g.com/>

HK0, MALPELO Last active in 2012 (by **HK0NA** who still maintain the 2nd highest ever QSO count for a DXpedition), the Colombian League of Radio Amateurs (HK3LR) and its Board of Directors has announced its main goal – to stage a DXpedition to Malpelo island, SA-007. It is hoped for a February 2026 activity, but this is not yet confirmed. Stay tuned for more info in the coming weeks..

J7, DOMINICA Oliver, W6NV will be QRV as J79NV sometime February 2025. Operation mainly for the ARRL CW and SSB contest. He will be a single operator in the ARRL CW contest and then join with FM6BH (J79BH), F8AAN (J79AN) and F5VHJ (J79AC) for the ARRL SSB contest.

J7, DOMINICA Lucien FM5WD, Luca IV3JVJ and Ivan IK3ZAQ will be active as J75K from December 26 until January 4, 2025. Activity from 160 to 6 meter using CW, SSB and FT8. QSL via IV3JVJ, LoTW.

KH0, MARIANA ISL Ken, JO1VRK will be operating as KH0/AJ6VJ between December 30 and January 3. Operation on 40, 20, 17, 15, 12 and 10 meter. QSL via LoTW.

OY, FAROE ISL The 7163 Group with WB2REM, W9MK, W2WCM, G6TFL, VO1IDX, K3BAB, K4LT and W4VKU will be operating sometime June 2025 as OY/calls. An entry in the ARRL VHF contest is included, outside the contest they will be from 160 to 6 meter using CW, SSB and FT4/8. QSL via WB2REM, Club Log.

PJ7, ST MAARTEN Tom, AA9A will once again be QRV as PJ7AA from March 8 and April 5, 2025. Operation from 40 to 6 meter using CW, FT4/8. QSO upload via LoTW and Club Log, QSL via home call, LoTW.

On the scene...V55LA met XT2MD

Both of these excellent DXpeditions finished yesterday. Prior to the start of both activities there was a chance (if arriving flights were on schedule) the teams could have met in Addis Ababa (ET) before continuing on to their final destinations. Alas, the flight carrying XT2MD team was delayed by some hours and the meet never happened. However, fast-forward to today (1900z) and we were naturally delighted to see some of the XT2MD crew did in actual fact meet with the V55LA team in Addis Ababa during transit.



PJ7, SINT MAARTEN Gary, KC9EE will once again be QRV as PJ7EE around mid-March 2025 and be QRV during the CQWPX SSB contest.

T8, PALAU Mike, JA6EGL will once again be active as T88SM between January 10-16, 2025. Operation from 160 to 6 meter using CW, SSB, AM and FM from 160 to 6 meter. QSL via home call, direct only.

T8, PALAU Mike JA6EGL and Kazu JE6KFN will be QRV from Koror as T88SM and T88XK during January 10-16, 2025. Activity from 160 to 6 meter using CW, SSB and digi. QSL via home call.

TY, BENIN Following on from the TY5C activity in March this year, Gérard F5NVF will again be QRV from Godomey during January 10 to April 2, 2025. He'll be active mostly from 80 to 10 meter using CW and FT8. QRV in 'holiday-style' using an IC-7000, 100w & wire antennas. QSL direct via F5RAV / free LoTW.

V7, MARSHALL ISL Janusz, SP9FIH will be QRV from Majuro Atoll as V73WE between November 29 and December 13. Operation from 40 to 10 meter due to weight restrictions on luggage.

<http://v7.dxpeditons.org/>

V7, MARSHALL ISL Following their successful journey to Guyana under the callsign **8R7X**, the team is now setting their sights on a new destination in the Pacific region. Their next DXpedition will take them to the Marshall Islands, scheduled for February 2025.

Stay tuned for more details as they become available. Additionally, the team is in the process of launching a website, which will soon be accessible.

VK9C, COCOS KEELING

VK9X, CHRISTMAS ISL

Gunter, DL2AWG and team DF4GV, DL2AMD, DJ9RR and VK6SJ will be active from Christmas Island as VK9XU between February 18 and March 4, 2025. Cocos Keeling will be on air between March 4 and March 12, 2025. QRV with 3 stations from 160 to 6 meter using CW, SSB and digi.

More to follow.

VP2V, BRITISH VIRGIN ISL A team with AG9A, KD4D, K5PI & K2KW will be active during December 9-17 with a participation in the ARRL 10m Contest as VP2VMM. Outside of contest look for holiday-style activity as VP2V/homecalls. VP2VMM via KU9C, LoTW.

VP2V, BRITISH VIRGIN ISL Dario, KP4DO will be operating from Tortola as VP2V/call. Dates not yet mentioned. More to follow.

VU4, ANDAMAN ISL A team with ON4AMX, ON4HIL, ON5UR, ON5RA, ON5TN, ON6CC, ON7FT, ON7USB, ON7RU, ON8AZ, PA9M and PA3EWP have announced that they will be on the air as VU4X from Andaman Islands during March 10-25, 2025. QRV on HF bands; CW, SSB and DIGI. 'Dx-Adventure is proud to announce its next DXpedition, taking place in the first quarter of 2025. Our international team, consisting of more than 10 experienced operators, is eager to embark on this adventure.....'

This time, we are focusing on VU4 from the Andaman and Nicobar Islands, currently ranked 54th most wanted DXCC country. During this DX expedition, we will be active on all bands, using CW, SSB and digital.

This provides a fantastic opportunity for radio amateurs around the world to work this DXCC and IOTA.

There will be more updates on our [website](#) – stay tuned for the latest news and details.'

On the scene...VU4X preparations



ZD9, TRISTAN DA CUNHA DX-World has learned that a Tristan da Cunha DXpedition is in the works for 2025. Whilst it is quite some time away, we have gleaned the following info. It will be a 3-4 month long DXpedition to ZD9 which could be extended by another 2-3 months bringing it to (potentially) 6+ months. The additional months could depend on PayPal donations / extra donors. Focus is going to be on CW & SSB. There will be VERY LIMITED usage of FT8. Infact, FT8 will ONLY be used on 80 & 160 meters. Bands of operation will be 10 meters to 160 meters. 1kW to monoband heavy duty vertical antennas due to Tristan da Cunha's very inhospitable weather.

ZK3, TOKELAU Hrane YT1AD and team YU3AA, RC9O and UA9OYL will be active from Tokelau end 2024 or beginning 2025. The reason is that New Zealand's State activities on the island of Tokelau during February and March, which have PRIORITY!

IOTA

THE REMINDERS

ASIA

AS-140 Dal Char Isl 'We are planning to activate another IOTA in this December 13-19. Our main goal this year is to focus on hands on training and capacity building for the local HAMS to understand different types of HF antenna, Propagation and Pileup handling. We hope in coming days we will see more HF station doing DXing from S2.

After checking all the islands in the two groups, considering Logistics, Transport and Cost we have decided to do the IOTA from the same island as before (Dhal Char, AS-140). The other nearby island is not suitable due to antenna orientation problem and also drinking water is not available in all of them, some are not inhabited.'

AS-179 Kanika Isl (new) A team composed of Cezar (VE3LYC, VU3LPL), Sarath (VU2RS), Adi (VU3WEW), and Anil (VU3DXA) will attempt to operate as AU2K from Kanika Island, AS-179NEW, between December 2 and 7, 2024.

Regretfully, Frank (DL4KQ), who planned and worked on this project with us, will be unable to join the team due to family and work-related issues. More information can be found on the expedition [website](#).

NORTH AMERICA

NA-079 Dry Tortugas The N4T team will be operating between February 21 and February 25, 2025. Main goal is 6 meter operation from the rare grid EL84 and from various POTA parks. QSL via W3NY.

NA-220 Maniitsoq Isl Joe, OZ0J will once again be QRV as OX0J sometime September 2025. Activity from 40 to 10 meter depending on free space for antennas. QSL via Club Log OQRS (prefer), LoTW or H/C. Joe will try to participate in the SAC CW on ONE band only if condx are good, and will also operate on CW, SSB and FT8 (mostly Fox/Hound) before SAC CW. Depends on local weather, he will put up the antennas on 13 September and take down on 22 September. Club Log Live Stream will be added if the Internet connection is stable. Information will be updated continuously [here](#) (and DX-World).

OCEANIA

OC-235 Camiguin Isl Kouichi, JI1FGX/DU9 is planning an IOTA DXpedition during next April-June when conditions on 50Mhz are more favourable. This will apparently be the first 6m activation from the island. He will use a HexBeam covering: 14, 18, 21, 24, 28, and 50MHz with the main mode being FT8. QSL via JJ2VLY, LoTW. <https://www.qrz.com/db/JI1FGX>

ARCTIC NEWS

Wolf's Fand Runway

Oleg, ZS1ANF (UA1O, ex UA1PBA) will be active again as ZS7ANF from Wolf's Fang Runway, Queen Maud Land, Antarctica (AN-016) starting around mid-November until late February 2025. He will operate mainly CW on 40-10 metres. QSL via DL5EBE or RK1PWA, and LoTW.

RI42SP Arctic travels

Oleg, RD1A is onboard "Severny Polyus / North Pole" and will be active when time permits as RI42SP as the ship travels through various parts of the Arctic. Primarily QRV on CW & FT8 from October 5th for approx one year. QSL via Club Log OQRS. Position of boat using this tracker.
Frank, F8DVD also mentions:

'It's good news for all ham radio interested in polar contacts. Oleg made a very good job last season with callsigns RD1A/MM, RI41POL and RI0POL making more than 205,000 contacts. The vessel departed Murmansk on September 15 with a team of scientists aboard, and is heading towards the Novosibirsk islands. This is where the drifting polar station will begin its work as part of the "North Pole-42" expedition. For many months, polar explorers will conduct research in the high latitudes of the Arctic Ocean, encompassing over fifty scientific programs.'

FT4YM Antarctica

November 6:

QSL manager F5PFP reports that David FT4YM is very busy currently at Concordia station but should be QRV initially with 100W and a 20m mobile antenna then eventually with a DX Commander antenna + IC-2KL amplifier all going well.

David, F4FKT is again active as **FT4YM** from two Antarctic bases until early March 2025. Dates of

activity from each base to be confirmed nearer the time. [Website](#)

FT4YM: Base Dumont d'Urville, Petrels island AN-017.

FT4YM/P: Base Concordia.

QRV on HF bands when time allows outside of his working environment. QSL via F5PFP.

Special calls

THE NEWCOMERS

E7, BOSNIA and HERZEGOVINA Celebrating Statehood Day of Bosnia and Herzegovina (25 November), special callsign **E7BOSNIA** will be active on various bands and modes during 10-25 November. QSL via LoTW. A certificate will be available, see <https://www.qrz.com/db/E7BOSNIA> for more information. (TNX 425DX)

On the scene...S9Z



THE REMINDERS

European DX Foundation 38 years

QRV until end November.

VK38EUDXF (VK2WN/SP7WT), **DU38EUDXF** (DV1K), **DL0EUF**, **HA38EUDXF**(HA5MA), **ON38EUDXF** (ON6CC), **PA38EUDXF** (PA1AW), **PB38EUDXF** (PB5X), **PC38EUDXF** (PC5F), **PD38EUDXF** (PD4RD), **PF38EUDXF** (PB7Z), **PG38EUDXF** (PG5M), **PH38EUDXF** (PA3GVQ), **PI38EUDXF** (PI4COM), **PE38EUDXF**.

9A, CROATIA Throughout 2024 Tom, 9A2AA will use **9A67AA** to mark his 67 years of activity on the amateur radio bands. QSL via home call. (TNX 425DX)

9A, CROATIA 9A100RKZ is the special callsign celebrating the 100th anniversary since Radioklub Zagreb was founded (24 March 1924). Look for activity throughout 2024. QSL via 9A1ADE. (TNX 42DX)

CN, MOROCCO Members of the Association Royale des Radio Amateurs du Maroc will be active on various bands and modes as **CN49MS** from Laayoune on 1- 15 November. QSL via operator's instructions. The special callsign commemorates the 49th anniversary of the so-called Marche Verte (Green March), a mass demonstration in support of the restoration of the Moroccan Sahara and the conclusion of Spanish colonial rule. (TNX 425DX)

DL, GERMANY DF20DCL is the special callsign for DARC Team SES to mark the 20th anniversary of the DARC Community Logbook between 18 October and 29 November. All QSOs

will be confirmed automatically via the bureau; direct cards via DL2VFR. The DCL is a web-based application system for a wide range of DARC awards: <https://dcl.darc.de/public/>. (TNX 425DX)
DL, GERMANY DM70DXMB is the special callsign for DARC Team SES to mark the 70th anniversary of DARC's DX Newsletter DXMB (DX-Mitteilungsblatt) between 1 November and 13 December. All QSOs will be confirmed automatically via the bureau; direct cards via DL2VFR. (TNX 425DX)

DL, GERMANY DP9GLHN is the special callsign that members of DARC's Ortsverband Norderney are using until end 2024 to mark the 150th anniversary since the Norderney Island (EU-047) lighthouse was put into service. QSL via the bureau. (TNX 425DX)

F, FRANCE The Radio Club Vendéen (F6KUF) will be active as **TM10VG** on 3-17 November to celebrate the tenth edition of the Vendee Globe, which Will set sail from Les Sables d'Olonne on 10 November. QSL via F6KUF (bureau), F5OEV (direct), eQSL (for QSOs on digital modes). The Vendee Globe is the only round-the-world single-handed yacht race that is sailed non-stop and without assistance. (TNX 425DX)

QSL preview



HB9, SWITZERLAND Celebrating the 150th anniversary of the birth of Guglielmo Marconi members of the USKA's Valais/Wallis Section are active as **HB150GM** until December. QSL via the bureau to HB9Y. (TNX DXNL)

HB9, SWITZERLAND Special callsign **HB50VC** celebrates the 50th anniversary of the Radio Amateur Club Swissair (HB9VC) end 2024. QSOs will be uploaded to LoTW; QSL cards will not be provided, but a certificate will be available for download: <https://award.dl1run.de/award/hb50vc/awardform.html> (TNX 425DX)

HB9, SWITZERLAND Members of the Zurich City Police Radio Amateur Club (HB9SP) will be active as **HB20SP** throughout 2024 to celebrate their club's 20th anniversary. QSOs will be uploaded to LoTW, Club Log and qrz.com; do not send any card via the bureau. (TNX 42DX)

I, ITALY 4U30B is the special callsign issued to the 4U1GSC Amateur Radio Club to mark the 30th anniversary of the United Nations Global Service Centre in Brindisi, Italy. Look for activity between 15 November and 31 December. QSL via 9A2AA. (TNX 425DX)

I, ITALY Members of ARI Bologna will be active as **II4RCDN** from 1 October to 31 December. QSL via IZ4FUE. The special callsign marks the 60th Anniversary of the Northern Cross Radio Telescope, one of the largest transit radio telescopes in the world. Gianfranco Sinigaglia (I4BBE, SK), after whom the Bologna ARI Section is named, was a professor of radioastronomy and applied electronics at the Physics Institute of Bologna University, and responsible for the electronics of the Northern Cross. A certificate will be available, see

<https://www.qrz.com/db/II4RCDN> for information. (TNX 425DX)

I, ITALY The United Nations Global Service Centre ARC (4U1GSC) in Brindisi is active again as **4U24OCT** until the end of October. The special callsign marks United Nations Day (24 October). DXCC wise, it counts for Italy. QSL via 9A2AA. (TNX 425DX)

I, ITALY Celebrating the 100th anniversary of the start of regular radio broadcasting in Italy (6 October 1924), ARI local branches across Italy will be using special callsigns from 1 October to 29 December. The callsigns will be in the format **II#Rxyz** (e.g. II9RCAT for ARI Catania) and **IR#Rxyz** (e.g. IR1RVDB for ARI Valbormida). In addition, special event station I1MRTV will be active from the RAI Radio and Television Museum in Torino. Certificates and electronic QSLs will be available for download from the HamAward platform (direct link from each special callsign's qrz.com page). (TNX 425DX)

I, ITALY Throughout 2024 ARI Fidenza will use a series of special callsigns each representing a "keyword" that summarizes and characterizes the content of a sentence from one of Guglielmo Marconi's many public speeches: **II4BFRE** (August), **II4OTSR** (September), **II4VISN** (October), **II4BTFU** (November), **II4FCGD** (December). QSL via IQ4FE. Information about the "Discovering Marconi" award: <http://www.arifidenza.it/>.

LA, NORWAY Look for **LA400KBG** during 2024 to celebrate the 400th anniversary since the establishment of the Kongsberg silver mines and the Kongsberg town in 1624. Operation on different bands and modes. QSL direct only via LA1TV. The silver rich area measures about 5 x 20 km, and the richest mine, called The King's Mine, was mined to a depth of 1076 meters. The mining lasted to 1958, and the total silver amount mined has been estimated to about 2000 tonnes. (TNX DXNL)

On the scene...San Nicolas Island NA-066

WC6DX was recently active from San Nicolas Isl, NA-066. It's the most remote island in California (farthest from the mainland at 98 km).

The activity is now over and operator Will has posted some pics on his QRZ bio (reposted here with credit). [Facebook](#)



LU, ARGENTINA Radio Club QRM Belgrano (**LU4AAO**) and members will be active between November 2 and November 10 to commemorate the Tradition Day in Argentina and some neighbouring countries. Look for activity on HF (SSB, FT8, CW) and VHF, UHF (FM, FT8, SSTV). Special award and QSL available. See QSL and details in QRZ.com or http://lu4aao.org/cert_dia_tradicion_2024.htm

LZ, BULGARIA Radio Club Blagovestnik (LZ1KCP) will use six special callsigns during 2024 to

honour as many different Orthodox saints: **LZ1515IW** (October), and **LZ311PA** (November and December). QSL via the bureau or direct to P.O. Box 36, 4300 Karlovo, Bulgaria. Details on the "All Saints 2024 Award" can be found at <https://www.lz1kcp.com/>. (TNX 425DX)

OE, AUSTRIA Celebrating the 100th anniversary of the start of regular radio broadcasting in Austria (1 October 1924), members of the Amateur Radio Club of the ORF (Austria's national public broadcaster) will be active as **OEORF** (<https://www.oe1xrw.radio/>). QSL direct to OE1XRW. (TNX 425DX)

OE, AUSTRIA OE45NO highlights the negative Austrian referendum about the commissioning of a nuclear power plant 45 years ago. QRV from September until the end of November. QSL via ClubLog OQRS, hrdlog.net OQRS. (TNX DXNL)

OE, AUSTRIA OE100RADIO celebrates the centennial of radio broadcasting during 2024. (TNX DXNL)

ON, BELGIUM OO60FIR is the special call for the 60th anniversary of the 'Fédération Internationale des Radio Amateurs Ceminots' (Belgian railways). QRV until end November. QSL info via operators instructions.

ON, BELGIUM Members of UBA's Groupement De Verviers will be active as **OR80USA** on 16-31 December. The special callsign commemorates the 80th anniversary of the liberation from German occupation and the Battle of the Bulge during World War II, events in which the US military was heavily engaged. QSL via bureau to ON4GDV. (TNX 425DX)

ON, BELGIUM The RCA (Radio Club des Ardennes: [ON4RCA](https://www.rca.be/)) of Bastogne commemorates the 80th anniversary of the Battle of the Bastogne also known as the Battle of Bulge. The activation of the **OO80BB** call sign will start on November 16 and end on December 15. Several stations surrounding Bastogne, including the club station, will operate this special call sign on all the bands from 80M to 10M and on the following modes: SSB, FT4, FT8 and some other digital modes.

ON, BELGIUM Throughout 2024, the Radio Club de Liège (LGE) will be celebrating its 100th anniversary. To mark the occasion, the special call sign **OR100LGE** will be activated from 6m to 160m, mainly on FT8/FT4, CW and SSB. Livestream on Club Log. <https://clublog.org/livestream/or100lge>. QSL via LOTW, Club Log and e-qsL.

PA, THE NETHERLANDS Members of Radio Club Limburg will be active as **PF16F** on 1-30 November (<https://rclb.nl/pf16f>). This special event is intended to be a "Farewell to the Fighting Falcon", as the Royal Netherlands Air Force has officially retired its F-16 jets after 45 years of service. All QSOs will be confirmed automatically via the bureau, direct cards should be sent to PD8RW. (TNX 425DX)

PY, BRAZIL Special station **PR5LM** will be active on various bands and modes, and on QO-100, throughout the month of November in honour of the memory of Father Roberto Landell de Moura (1861-1928), a pioneer of wireless audio transmission. QSL via SP7CVW and LoTW. (TNX 425DX)

SM, SWEDEN SK100FRK is the special callsign celebrating the 100 anniversary since Falu Radioklubb (SK4AO) was founded. Look for activity during 2024. A very special diploma will be available - see <https://www.qrz.com/db/SK100FRK>. (TNX 42DX)

SM, SWEDEN SK50B is the special callsign for members of the Botkyrka Radioamatorer to celebrate their club's golden jubilee throughout 2024. The club was founded on 18 January 1974. QSL via the bureau to SK0HB. (TNX 42DX)

SM, SWEDEN In November members of Radio Club SK1BL on Gotland Island (EU-020) will be active as **SE80TG** to commemorate the 80th anniversary of the "Hansa" tragedy. QSL via the bureau. The "Hansa" was a Swedish passenger ship, in use on the route between the mainland and Visby. She was torpedoed and sunk by a Soviet submarine during World War II (24 November 1944); 84 people died and only two survived. (TNX 425DX)

SP, POLAND Special callsigns **SN100P**, **SN100L**, **SN100N**, **SN100PLN** and **SN100BP** will be used from 1 September to 31 December for the 100th anniversary of the establishment of Bank Polski SA and the introduction of the zloty (PLN), Poland's official currency. The activity is organized by the Polish Amateur Radio Association. QSL via the bureau. A certificate will be available, see <https://www.qrz.com/db/SN100PLN> for the details. (TNX 425DX)

SP, POLAND SN55DIG is the special callsign that Adam, SQ9S will be using until the end of the year to celebrate the 55th anniversary of the Diplom Interessen Gruppe. All QSOs will be confirmed automatically via the bureau. See <https://diplom-interessen-gruppe.info/> for information about the DIG. (TNX 425DX)

VK, AUSTRALIA Celebrating the 60th anniversary of the Islands On The Air programme, special event callsign **VI60IOTA** will be in use across Australia during 2024: "whenever VI60IOTA is heard on the air", the organizers say, "it will be from one of the VK IOTA entities", including the main islands of Australia (OC-001) and Tasmania (OC-007). QSOs will be made available for Club Log and LoTW Matching on the IOTA website; traditional QSLs via M00XO's OQRS. (TNX 425DX)

VU, INDIA Look for **AU2JCB** between November 15 and December 16. This to commemorate

the birth date and to celebrate the Indian scientist Acharya Jagadish Chandra Bose who is recognized as the father of wireless communication. VU2DSI will be QRV for the 17th year between 80 and 10 meter on HF and FM. QSL via VU2DSI direct.

YU, SERBIA Organised radio amateurism in Serbia began with the founding of the "Society of Friends of Radio-Telegraphy and Radio-Telephony" on 15 July 1924 in Belgrade. Celebrating 100 years of Amateur Radio in the region, the Amateur Radio Union of Serbia (YU1SRS) are active as **YT100R** and **YU100R** until December. A certificate will be available:

<https://www.radiosport.yu1srs.org.rs/>.

Thanks to DX-World, DARC and ADXO.