SDXA - 07 mar 2019
the monthly meeting was called to order by prez ad7xg, Gary at 19:00 local.

## the program(s):

program: Mike Buettner (K7STO) - "Operation Salmon Run and other Contests in the Field"
Mike has operated very successfully from the field for several years in the Salmon Run. Learn insights on how to do this. We could help activate some rare counties in Eastern Washington. We will also be discussing the Contest rules and names

## round the room:

## officer reports:

1) secretary's report from wa0www; the last monthly minutes are at: http://www.sdxa.org/?cat=10;
2) treasurer's report from k7kb; income: $\$ 110$ (Dues)
expenses: $\$ 511.97$ (coffee supplies \& hamfest seed) $d x$ fund: $\$ 340$; speaker fund: $\$ 500$
3) VP's report from n7gco (home recouping); see web and google email for upcoming programs.

## old business:

4) contests by wa0www jay:

$$
\text { a. the } 8^{\text {th }} \text { of } 10 \text { is end of the month }
$$

$\pm$ CQ WW WPX Contest, SSB \#8 0000Z, Mar 30 to 2400Z, Mar 31
i. Flounder Cup update:

1. BOBF is gone and for this year and will go with the Flounder Cup
2. contest is between IDXA and SDXA to compete against each other using the same rules as the bigger overarching Challenge Trophy Cup competition.
3. the Challenge Trophy Cup scores will be the official ones
4. because we are always floundering at the bottom, why the Flounder Cup and the mascot will be a flounder because that fish is also near the bottom.
5) DXpedition funding from committee:
a. nothing new
b. the fund is now \$340; and a good site to follow: http://www.ng3k.com/Misc/adxoc.html;
c. the committee membership was updated to: k7gs, k7kb and wu7x.
i. 2018: \$250 Ducie Island; \$200-NCDXF
ii. 2016: $\$ 100$ VP8SGI S.G \& VP8STI S.S; $\$ 100$ FT4JA Juan De Nova;
iii. 2015: \$300 VK0Ek Heard; \$100 TX3X Chesterfield; \$100 VK9WA Willis (all 3 QSLs)
6) Spokane Hamfest 29 sep 19 @ u-high by wa0www jay:
i. k7dsr Dave is the chair, ki7qpj, Jake McCarty is the treasurer;
b. setup is going as normal. prizes will be DX Engring gift certificates.
c. Next committee meeting is next tuesday.
7) club DX 2meter net by n7au Bob:
a. A new day for the SDXA DX Net was started on February 20 as the 3rd Wednesday of each month was voted at the February meeting. And we have a new Net Control - Pat N7UVH. The Net is still on the same frequency of 145.25 MHz , no tone necessary, minus (-) 600 Hz offset at 7 pm local time. The next net will be on March 20.
b. MARCH 20, 2019 PARTIPANTS:
c. K7GS Gary - Spokane

AD7XG Gary - Davenport
AA7TQ Gordon - Indian Trail
WATAQH Del - Nine Mile Falls
K7KB John - Cobert
WATTNT Dave - Cheney
N7AU Bob - Ephrata

K7STO Mike - Moses Lake
N7UVH Pat - Post Falls (Net Control)
d. remember: 145.25, -600 Hz , no tone (n7bfs). it is on Stensgar Mtn, near Chewelah.
8) club log report from ki7dg, Chuck:
a. Of 209 clubs listed we still hold on to being in the top 100. A break down of the traveling trophy clubs position is as follows: This as of March 1st.
ORCA \#26
WWDX club \#57
WVDX club \#70
SDXA \#83
b. This past month I have approved two club members joining Club Log and Declined 2 foreign members seeking to join. Murf N7UVH and Jim N7ESU
c. We now have 24 members with 23 active and 1 inactive.
d. Respectively submitted by Chuck KI7DGClub Log Administrator

## 9) Field Day 2019. inviting other clubs

a. still looking for a chair weather we do on our own, preferred, or with another club.
b. for 2020 Dave, wa7tnt is considering to host it.
c. where? would be great to find a place more central of more folks, so still tbd.
d. in november wa0www reported he asked at the Hamfest committee meeting early in the week:
i. the Inland Empire club does field day at a private park in Liberty Lake with many facilities, and we are more than welcomed to join in.
ii. KABAR does field day in Valley Ford and they are open to discuss, though early yet.
10) summer picnic:
a. Thanks to Del, wa7aqh opening up his home for our annual summer picnic, on saturday 03 August.
11) reducing age
a. no report tonight
b. great idea brought on how to bring in more younger hams, setup/host/... a remote HF station AND mentor interested new hams on operating HF and making available the remote station.
i. the point is the Spokane area gain many new techs/general hams all the time, and it seems many/most are intimidated on setting up an HF station, or it is beyond their means, they are in apartments, significant other concerns, and it goes on.
c. feedback from members was very positive with many ideas how to do this.
d. more to come.
12) PAC NW DX conv.
a. This year's Pacific Northwest DX Convention is hosted by the Western Washington DX Club from August 9-11, 2019 in Everett, WA.
b. Full details are available at http://pacificnwdxconvention.com
c. Registration is now open. The WWDXC has done an excellent job at scheduling speakers for the convention including:
Rocky Evans, NE7D - What Via Buro Really Means
Ed Muns, W0YK - Contesting Beyond CW, SSB, RTTY
Dr. Joe Taylor, K1JT - Beyond WSJT-X 2.0

## new business:

13) north Idaho repeater systems
a. checkout https://www.blossompeak.org/ a system of repeaters tied together to provide north Idaho and NE Washington coverage.
14) non-profit
a. N7UVH, Pat, moved for the officers to continue to work on making the club a 501.3(c) non-profit club, K7GS, Gary. $2^{\text {nd }} d$ and the vote was unanimous.
b. the treasurer will continue to look at Legalzoom on line which looks straight forward. the discussion was for the required board would start with 3 of the club officers.
15) new members of late:
a. jan: wa7tnt David Wilhelm; ki7aar David Lehmann, n7esu Jim Monroe and kw7j Harvey Brown is back
b. dec: ad7xg-xyl Svetlana, and n7uvh, Pat Murphy, Post Falls.
c. aug: k9jf, Jim Fenstermaker
d. swapfest: wx7p, Janet Lowery
e. recent: kk7dj, Coy Fullen is back

## committees:

a. local remote station/mentors -
b. health and welfare of members - k7gs, Gary
c. membership - k7kb, John
d. dx - k7gs, wu7x, k7kb
e. awards - ad7xg
f. programs - n7gco
g. technical - w7sx
h. dx net - n7au
i. web - k7awb
j. contests - wa0www (focus 10 dx contests for pac nw trophy cup and IDXA/SDXA challenge)
k. Spokane hamfest - wa0www (and ad7qj)
l. club log: ki7dg
m. SDXA cluster: wa0www; now at $\rightarrow 73.42 .252 .217: 7300$
(will investigate, could add to our go-daddy for www.cluster.sdxa.org)
n. officers:

| i. President: | Gary Bytnar, 26450 Sterett Road North, Davenport, WA 99122 |  |
| ---: | :--- | :--- |
| ii. | Vice President: | Mel Ming N7GCO, 13010 S Short Road, Cheny, WA 99004 |
| iii. | Treasurer: | John Gager, 17525 N. FrankLin Ct., Colbert, WA 99005 |
| iv. | Secretary: |  |

## participation ideas:

16) from previous months, participation suggestions, see the web page for the latest. goal is there should be enough possibilities everyone will be able to find something, and there is even one that is define your own.
a. the start of a list:
1. Serve as an officer
2. Serve on a club event committee
3. Put on or contribute to putting on a club presentation
4. Host the Club DX Net
5. Host or participate in a Club member antenna party
6. Assist or serve as the Club Webmaster
7. Go on a DXpedition or operate from a unique remote QTH
8. Participate in a Club Event (Field Day, etc.) [The Annual Picnic does not count
unless hosted]
9. Host a Contest at your QTH
10. Contribute contest scores to the Club's Efforts
11. Serve as a DX Chairman/Contest Chairman/Membership Chairman, etc.
12. Serve as an Awards Chairman (DX Card Checking)
13. Serve as a VE
14. Room around - Plans for the club on something you have built for your station
(Categories may be added or developed by members or Officers)

## other/future:

17) future programs ideas? get to our vice prez n7gco, Mel, any ideas you have:
digital contesting; w7sx antenna physics, sure there are several topics; JT-65, logging programs, amplifiers, antennas, contesting, solar panel supplies to run a station, hardline connectors, meeting after the hamfest have a prezo on setting up a cost effective station, focused on prospective new members from the hamfest. let's remember this for next year.

## next month:

18) April meeting at the Argonne Library on Argonne and Up River Drive in the valley phone 893-8260 (4322 N. Argonne Road in the Spokane valley.)
a. Program: Rob Fanfant (N7QT) Ducie Island \& Brunei DXpedition
19) respectfully submitted by wa0www, jay, secretary.
20) and the great snacks from Mike.

| 2019 | 04jan19 | mar | apr | may | june | july | aug | sept | $\begin{aligned} & \hline \text { ham } \\ & \text { fest } \end{aligned}$ | oct | nov | dec | jan | feb | mar |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| call | operator |  |  |  |  |  | $\begin{gathered} \text { picn } \\ \text { ic } \end{gathered}$ |  |  |  |  | banq uet |  |  |  |
| AA6TQ | Gordon | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |  | 1 |  |  | 1 |  |
| AC7MV | David | 1 |  |  |  | 1 | 1 |  | 1 |  |  | 1 | 1 |  |  |
| AD7QJ | Harold | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |  | 1 |  |  | 1 |  |
| AD7XG | Gary | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| AD7XG-xyl | Svetlana | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |  |
| AE7GT | MaryBeth | 1 | 1 |  |  | 1 | 1 | 1 | 1 |  | 1 | 1 | 1 |  |  |
| JA3CZY | Elvin |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K7AWB | Steve | 1 | 1 | 1 | 1 | 1 | 1 |  |  | 1 | 1 | 1 |  | 1 |  |
| K7EFX | John |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K7GS | Gary | 1 |  |  |  |  | 2 | 1 | 1 | 1 | 1 |  | 1 |  | 1 |
| K7HPT | Mark |  |  | 1 |  | 1 |  |  |  | 1 |  | 1 |  |  | 1 |
| K7HRT | Patrick |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K7KB | John | 1 | 1 | 1 | 1 |  |  |  | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| K7ST0 | Michael | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| K7TM | Bob | 1 | 1 | 1 |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| K9JF | Jim | - | - | - | - | - | 1 |  |  |  |  | 1 | 1 |  | 1 |
| KB7BEK | Cathy | - | - | 1 | 1 | 1 | 1 | 1 |  |  | 1 |  | 1 |  |  |
| KC7UG | Tom |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 | 1 |
| KE7KPO | Carl |  | 1 | 1 | 1 |  |  | 1 | 1 |  | 1 | 1 | 1 | 1 |  |
| KF7PBM | Joseph |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| KI7AAR | Dave | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| KI7DG | Chuck |  | 1 |  |  |  |  |  | 1 |  |  |  |  |  |  |
| KK7DJ | Coy | - | - | - | - | - | - | - | - | - |  |  |  |  |  |
| KW7J | Harvey |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 |  |
| N7AU | Bob | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  | 1 |
| N7ESU | Jim | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| N7GCO | Mel | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |  |
| N7KR | Mike | - | - | - | - | - | - | - | - | - | - | - |  |  |  |
| N7SJM | Scott | - | - | - |  |  |  |  | 1 |  |  |  |  |  |  |
| N7UVH | Murph | - | - | - | - | - | - | - | - | - | 1 |  | 1 | 1 | 1 |
| NE7F | Jim |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NZ2S | Jeff |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| W0CG/PJ2DX | Geoff |  |  | 1 |  | 1 |  |  | 1 | 1 |  |  | 1 |  |  |
| W3AS | Doug |  |  |  | 1 | 1 | 1 | 1 |  | 1 |  |  |  |  |  |
| W6AEA | George |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| W7BHP | Dick | 1 |  |  |  | 1 | 1 | 1 |  |  | 1 |  |  | 1 | 1 |
| W7GSV | Robert |  | 1 |  |  |  |  |  | 1 |  |  |  |  |  |  |
| W7MEM | Mark | 1 |  |  |  | 1 |  |  | 1 |  |  |  | 1 |  |  |
| W7PEG | Peggy |  |  |  |  |  | 1 |  |  |  |  | 1 |  |  |  |
| W7SX | Robert | 1 |  | 1 |  |  |  |  |  |  |  | 1 |  | 1 |  |
| WA0WWW | Jay | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| WA1PMA | Wayne |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WA7AQH | Del |  | 1 | 1 | 1 | 1 | 2 |  |  |  | 1 |  | 1 | 1 |  |
| WA7TNT | Dave | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| WU7X | Dale | 1 | 1 | 1 | 1 | 1 |  |  | 1 | 1 | 1 | 1 | 1 |  | 1 |
| WX7B | Pritchard |  |  | 1 | 1 | 1 | 1 |  |  |  |  |  |  |  |  |
| WX7P | Janet | - | - | - | - | - | - | - | - | 1 | 1 | 1 |  | 1 |  |
| znocall | John |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| - | - | - | - | - | - | - | - | - |  | - |  |  |  |  |  |
| \#in attend. |  | 18+2 | 17+3 | 19+6 | $16+4$ | $22+5$ | 17+7 | 15+2 | $20+2$ | 15+2 | 19+7 | 18+4 | 22+2 | 20/5 | 16/2 |
| ad7xg-xyl | Svetlana |  |  |  |  |  | 1 |  | 1 | 1 | 1 |  | - | - |  |
| k7add | Bengt Norum |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| k7db | Dave |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |
| k7tq | Randy |  |  | 1 |  | 1 |  | 1 |  |  |  |  |  |  |  |
| k7yph | Charlie |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |
| kb7bek | Cathy (kc7ug) |  | 1 | 1 | - |  | - | - |  | - |  | - | - | - |  |
| kb7jbx | Diane (n7au) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |
| kd7ghz | Mike |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |
| kf7rvv | Don | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| k19a | Chris |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |
| k7gs-xyl | Cille |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |
| kw7j | Harvey |  |  | 1 |  |  |  |  |  |  |  |  | - |  |  |
| n0dxm | juaquetta (www) |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |
| n7cod | Dan York |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |
| n7esu | Jim |  |  |  |  |  |  |  |  |  | 1 |  | 1 |  |  |
| n7gcn | Martha(n7gco) |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |
| n7hcj | woody |  |  |  |  |  |  |  |  |  | 1 |  |  |  | 1 |
| n79t | Rob |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| n7jvg | Lynn |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |
| n7zuf | Jay (idxa) |  |  | 1 |  |  |  |  |  |  | 1 |  |  |  |  |
| nb7kw | Brian Wingate |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |
| nb7kw-dad |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |



## DX and contesting:

- the basic list of the DXpeditions in the top 100 wanted
see below for a listing of more DX coming up

|  | $\frac{\text { Start }}{\text { Date }}$ | End Date | DXCC <br> Entity | Call | $\begin{aligned} & \hline \text { QSL } \\ & \text { via } \end{aligned}$ | Info |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14 | $\begin{gathered} \hline 2019 \\ \text { Feb26 } \end{gathered}$ | $\begin{gathered} \hline 2019 \\ \text { Mar24 } \end{gathered}$ | Somalia | 60100 | EP3CQ | By EP3CQ; HF; QSL: Ali Solhjoo, Via Siacci 12, Rome, 00197, Italy |
| 41 | $\begin{gathered} 2019 \\ \text { Apr14 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2019 \\ \text { Apr } 20 \end{gathered}$ | Djibouti | J20DX/p | LoTW | By MM@NDX MMөokg fm Moucha I (IOTA AF-053) and Sept Frere I (AF-059); dates tentative; QSL also OK via Club Log |
| 44 | $\begin{gathered} 2019 \\ \text { Feb27 } \end{gathered}$ | $\begin{gathered} 2019 \\ \text { Mar05 } \end{gathered}$ | Bhutan | A5A | JH1AJT | By JH1AJT DJ9ZB E21EIC; 160-10; CW SSB FT8; focus on 160m FT8, 1840 QSX 1908 for JA (FT8 normal mode); QSL: P.O. Box 8, Oiso, Naka-gun, Kanagawa 255-0003, Japan; QSL also OK via Club Log |
| 44 | $\begin{gathered} \hline 2019 \\ \text { Mar06 } \end{gathered}$ | $\begin{gathered} \hline 2019 \\ \text { Mar09 } \end{gathered}$ | Bhutan | A52 | See <br> Info | By JH1AJT DJ9ZB E21EIC as A52ZB and A52IC; 160-10; CW SSB FT8; focus on 160m FT8, 1840 QSX 1908 for JA (FT8 normal mode); QSL A52ZB via DJ9ZB and A52IC via E21EIC |
| 60 | $\begin{gathered} 2019 \\ \text { Mar13 } \end{gathered}$ | $\begin{gathered} 2019 \\ \text { Mar25 } \end{gathered}$ | Uganda | 5X3C | LoTW | By an international team fm KJ0hd; 160-10m; CW SSB RTTY FT8; 5X3E on FT8 |

- contests comingup:
othe contest calendar
http://www.hornucopia.com/contestcal/index.html

| mar 2019 |  |
| :---: | :---: |
| $\dagger$ Idaho QSO Party | 1900Z, Mar 9 to 1900Z, Mar 10 |
| $\pm$ North American Sprint, RTTY | 0000Z-0400Z, Mar 10 |
| $\pm$ BARTG HF RTTY Contest | 0200Z, Mar 16 to 0200Z, Mar 18 |
| $\pm$ CQ WW WPX Contest, SSB | 0000Z, Mar 30 to 2400Z, Mar 31 |
| may 2019 |  |
| $\pm$ 7th Call Area QSO Party | 1300Z, May 4 to 0700Z, May 5 |
| $\pm$ CQ WW WPX Contest, CW | 0000Z, May 25 to 2400Z, May 26 |
| june 2019 |  |
| $\pm$ ARRL June VHF Contest | 1800Z, Jun 8 to 0300Z, Jun 10 |
| $\dagger$ ARRL Field Day | 1800Z, Jun 22 to 2100Z, Jun 23 |
| july 2019 |  |
| $\dagger$ RAC Canada Day Contest | 0000Z-2359Z, Jul 1 |
| \# IARU HF World Championship | 1200Z, Jul 13 to 1200Z, Jul 14 |

Pacific NW Challenge Trophy contests_(updated for 2018-2019 dates):

| $\pm$ CQ Worldwide DX Contest, RTTY \#1 done | 0000Z, Sep 29 to 2400Z, Sep 30 |
| :---: | :---: |
| $\pm$ CQ Worldwide DX Contest, SSB \#2 done | 0000Z, Oct 27 to 2400Z, Oct 28 |
| $\pm$ CQ Worldwide DX Contest, CW \#3 done | 0000Z, Nov 24 to 2400Z, Nov 25 |
| $\pm$ ARRL RTTY Roundup \#4 done | 1800Z, Jan 5 to 2400Z, Jan 6 |
| $\pm$ CQ WW RTTY WPX Contest \#5 done | 0000Z, Feb 9 to 2400Z, Feb 10 |
| $\pm$ ARRL Inter. DX Contest, CW \#6 done | 0000Z, Feb 16 to 2400Z, Feb 17 |
| $\pm$ ARRL Inter. DX Contest, SSB \#7 just done | 0000Z, Mar 2 to 2400Z, Mar 3 |
| $\pm$ CQ WW WPX Contest, SSB \#8 | 0000z, Mar 30 to 2400Z, Mar 31 |
| $\pm$ CQ WW WPX Contest, CW \#9 | 0000Z, May 25 to 2400Z, May 26 |
| $\pm$ IARU HF World Championship \#10 | 1200Z, Jul 13 to 1200Z, Jul 14 |

1. NWDXchallengetrophycontests, above:
a. please send your claimed scores to SDXA goggle group or wa0www@hotmail.com

- to help keep the super check partial files complete consider to cc k5zd@contesting.com when you submit your Cabrillo logs.
other DX coming up: http://www.ng3k.com/Misc/adxoc.html
for most wanted: http://www.clublog.org/mostwanted.php

| Start | End | DXCC | Call | QSL | Info |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\frac{2019}{\text { Feb23 }}$ | $\begin{gathered} \hline 2019 \\ \text { Mar02 } \end{gathered}$ | Belize | V31GF | LoTW | By W2AIV; $40201510 \mathrm{~m} ; \mathrm{SSB}$, some slow CW |
| $\frac{2019}{\text { Feb17 }}$ | $\begin{gathered} 2019 \\ \text { Mar05 } \end{gathered}$ | $\begin{aligned} & \text { Central } \\ & \text { Kiribati } \end{aligned}$ | T31EU | LoTW | By DL2AWG DL6JGN DJ9RR DF6FK DK5WL PA3EWP fm Canton I; 160-10m; CW SSB RTTY, some FT8; QSL also OK via DL2AWG (DARC Buro or direct) or Club Log |


| $\begin{aligned} & \frac{2019}{\text { Feb17 }} \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Mar05 } \end{gathered}$ | Martinique | FM | DK9PY | By DK9PY as FM/DK9PY; HF; CW |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{r} \underline{2019} \\ \text { Feb27 } \\ \hline \end{array}$ | $\begin{gathered} \hline 2019 \\ \text { Mar06 } \\ \hline \end{gathered}$ | Galapagos | HD8M | LoTW | By WB2REM W2WCM HC5DX fm Santa Cruz I (IOTA SA-004); 160-6m; CW SSB + digital; QSL also OK via WB2REM and Club Log |
| $\begin{aligned} & \hline \frac{2019}{M a r 04} \\ & \hline \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Mar06 } \end{gathered}$ | South Sudan | Z81Z | LoTW | By K4ZW fm Juba; very limited and tentative operation; QSL also OK via K4ZW (see link) |
| $\begin{aligned} & \frac{2019}{\text { Feb19 }} \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Mar06 } \end{gathered}$ | Vietnam | 3W9JF | EA5GL <br> Direct | By F6CTF fm Phu Quoc I (IOTA AS-128); mainly 804020 17m; QSL also OK via eQSL |
| $\begin{gathered} \frac{2019}{\text { Feb28 }} \end{gathered}$ | $\begin{gathered} 2019 \\ \text { Mar08 } \end{gathered}$ | $\begin{aligned} & \hline \text { Turks \& } \\ & \hline \text { Caicos } \\ & \hline \end{aligned}$ | VP5 | LoTW | By AA5UK as VP5/AASUK fm Providenciales I (IOTA NA-002); 40-10m; SSB + digital and satellites; QSL also OK via AA5UK |
| $\frac{2019}{\mathrm{Feb} 24}$ | $\begin{gathered} \hline 2019 \\ \text { Mar08 } \end{gathered}$ | Vietnam | 3W2MAE | DL5MAE <br> Buro | By DL5MAE; $80-6 \mathrm{~m}$; spare time operation; QSL also OK via DL5MAE direct w/ one |
| $\begin{aligned} & \frac{2019}{\text { Feb22 }} \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 2019 \\ \text { Mar10 } \\ \hline \end{gathered}$ | Guadeloupe | FG | F6HMQ | By F6HMQ as FG/F6HMQ and F6GWV as FG/F6GWV fm IOTA NA-102; holiday style operation; QRV for ARRL DX SSB |
| $\begin{aligned} & \frac{2019}{\text { Feb23 }} \end{aligned}$ | $\begin{gathered} \hline 2019 \\ \text { Mar10 } \\ \hline \end{gathered}$ | New Caledonia | FK | LoTW | By JG1XMV as FK/JG1XMV fm Grand Terre I (IOTA OC-032), and possibly fm OC-033; 402017 15m; SSB; QSL also OK via JG1XMV (Buro or direct) and eQSL |
| $\frac{2019}{\text { Mar09 }}$ | $\begin{gathered} 2019 \\ \text { Mar11 } \end{gathered}$ | South Cook Is | E51 | $\begin{aligned} & \text { Home } \\ & \text { Call } \end{aligned}$ | By DL1AUZ as E51AUZ and DM7PQ as E51NPQ fm Rarotonga (IOTA OC-013); holiday style operation |
| $\begin{aligned} & \frac{2019}{\text { Mar06 }} \\ & \hline \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Mar12 } \end{gathered}$ | $\begin{gathered} \text { French } \\ \text { Polynesia } \end{gathered}$ | FO | LoTW | By OK2ZI as FO/OK2ZI fm Tahiti (IOTA OC-046); 40-10m; CW SSB + digital (incl FT8); QSL also OK via OK2ZI and Club Log |
| $\frac{2019}{\text { Mar05 }}$ | $\begin{gathered} \hline 2019 \\ \text { Mar12 } \end{gathered}$ | Gambia | C56DF | LoTW | By G3xtt; 40-10m; low power; wires; CW; QRV for RSGB Commonwealth Contest |
| $\frac{2019}{\text { Mar06 }}$ | $\begin{gathered} \hline 2019 \\ \text { Mar13 } \end{gathered}$ | Guantanamo | KG4 | $\begin{aligned} & \text { Home } \\ & \text { Call } \end{aligned}$ | By N4SIA as KG4AS and KP2L as KG4SC fm the Naval Station club station; HF, incl KG4SC on 5357 kHz ; CW SSB FT8 |
| $\begin{array}{r} \underline{2019} \\ \text { Feb25 } \\ \hline \end{array}$ | $\begin{gathered} 2019 \\ \text { Mar13 } \\ \hline \end{gathered}$ | Senegal | 6W | LoTW | By F5NHJ as 6W/F5NHJ fm La Somone; FT8 + other digital modes; inverted $\mathbf{V}$; holiday style operation; QSL also OK via Club Log |
| $\frac{2019}{\text { Mar01 }}$ | $\begin{gathered} 2019 \\ \text { Mar15 } \end{gathered}$ | Cayman Is | ZF2CA | G4CWH <br> Direct | By G4CWH fm Grand Cayman I (IOTA NA-016); 160-10m; CW SSB; QRV for BERU Contest; exact dates not clear |
| $\begin{aligned} & \frac{2019}{\text { Feb17 }} \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Mar15 } \end{gathered}$ | Ghana | 9G5GS | IZ4YGS <br> Direct | By IZ4YGS; 60-20m; mainly FT8 + other digital, perhaps SSB; QSL also OK via eQSL |
| $\frac{2019}{\text { Mar08 }}$ | $\begin{gathered} 2019 \\ \text { Mar16 } \end{gathered}$ | Bahamas | C6AKT | LoTW | By M1KTA fm nr Glass Window Bridge, Eleuthera I (IOTA NA-001); 80402015 10m; CW; QSL also OK via M1KTA and Club Log |
| $\frac{2019}{\text { Mar08 }}$ | $\begin{gathered} 2019 \\ \text { Mar16 } \end{gathered}$ | Lesotho | 7P8LB | M00XO | By LA7THA LB2HG OE5CWO OE7PGI LA7WCA LA7RRA LA3BO LA9KKA LA9VPA fm Molengoane Lodge (KG30vo); HF w/ focus on low bands; focus on FT8, also SSB CW; logsearch on Club Log |
| $\frac{\underline{2019}}{\text { Mar10 }}$ | $\begin{gathered} 2019 \\ \text { Mar16 } \end{gathered}$ | Vietnam | XV9JK | SP5APW | By SP5APW fm Cu Lao Thu, Phu Quy I (IOTA AS-157); mainly 20 17m; SSB; possbily FT8 on 4030 m if conditions are bad; call sign requested; QSL also OK via Club |
| $\begin{array}{r} \underline{2019} \\ \hline \text { Mar15 } \end{array}$ | $\begin{gathered} \hline 2019 \\ \text { Mar17 } \\ \hline \end{gathered}$ | Jersey | MJ5Z | LoTW | By MOCFW; QRV for Russian DX Contest; QRV as MJOCFW before/after the contest; QSL also OK via Club Log |
| $\begin{aligned} & \underline{2019} \\ & \underline{\text { Feb16 }} \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 2019 \\ \text { Mar18 } \\ \hline \end{gathered}$ | Vietnam | XV9YM | LoTW | By DL3YM fm Ho Chi Minh City; 40-10m; CW; QSL also ok via DARC Buro and eQSL |
| $\begin{aligned} & \frac{2019}{\text { Feb24 }} \end{aligned}$ | $\begin{gathered} \hline 2019 \\ \text { Mar19 } \end{gathered}$ | Sint Maarten | PJ7 | W3FSA | By W3FSA as PJ7/W3FSA; $40 \begin{gathered}30 \mathrm{20m;} \mathrm{CW} \text {; 5w; hamsticks, end-fed wire; QSL OK via } \\ \text { Buro or direct }\end{gathered}$ |
| $\begin{array}{r} \underline{2019} \\ \underline{\text { Mar09 }} \\ \hline \end{array}$ | $\begin{gathered} \hline 2019 \\ \text { Mar20 } \\ \hline \end{gathered}$ | Ghana | 9G2DX | LoTW | By 4Z4DX 4Z1SH 4Z1ZV 4Z5XS 9G5AF + others; 1608060 30m; CW SSB FT8; plan to activate WFF sites; QSL also OK via Meoxo and eQSL |
| $\frac{2019}{M \operatorname{Mar} 14}$ | $\begin{gathered} \hline 2019 \\ \text { Mar22 } \\ \hline \end{gathered}$ | South Cook Is | E51HMK | LoTW | By DK2HM fm Rarotonga (IOTA OC-013); 80-10ml mainly SSB, some digital, incl FT8; 300w; Windom; QSL also OK via DK2HM (Buro or direct), Club Log, eQSL |
| $\frac{\underline{2019}}{\text { Mar12 }}$ | $\begin{gathered} 2019 \\ \text { Mar25 } \end{gathered}$ | North Cook Is | E51 | Home Call | By DL1AUZ as E51AUZ and DM7PQ as E51NPQ fm Manihiki (IOTA OC-014); holiday style operation |
| $\frac{2019}{M a r 14}$ | $\begin{gathered} 2019 \\ \text { Mar26 } \\ \hline \end{gathered}$ | Togo | 5V7EI | LoTW |  |
| $\begin{array}{r} \frac{2019}{\text { Mar11 }} \end{array}$ | $\begin{gathered} 2019 \\ \text { Mar27 } \end{gathered}$ | Juan <br> Fernandez | XR0ZRC | LoTW | By R7AL RA1ZZ RK8A RL5F RW9JZ CE1TBN fm IOTA SA-005 (FF06oi); 160-10m; CW SSB FT8; 3 sttions; QSL also OK via R7AL (Buro or direct) and Club Log |
| $\frac{2019}{\text { Mar } 14}$ | $\begin{gathered} 2019 \\ \text { Mar30 } \end{gathered}$ | Curacao | PJ2 | LoTW | By DK50N as PJ2/DK50N; 80-6m; CW SSB RTTY FT8; 5w; QSL also OK via DK5ON (Buro or direct) and Club Log |
| $\begin{aligned} & \frac{2019}{\text { Feb20 }} \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Mar30 } \end{gathered}$ | Senegal | 6W7 | ON4AVT | By ON4AVT as 6W7/ON4AVT fm Warang; 4020 10m; PSK CW SSB; 100w; holiday style operation |
| $\frac{2019}{\text { Mar03 }}$ | $\begin{gathered} 2019 \\ \text { Mar30 } \end{gathered}$ | Sint Maarten | PJ7AA | AA9A | By AA9A fm IOTA NA-105; $80-10 \mathrm{~m}$, perhaps 160 m ; mainly CW FT8, some SSB |
| $\begin{aligned} & \underline{2019} \\ & \text { Feb17 } \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 2019 \\ \text { Mar31 } \\ \hline \end{gathered}$ | Mauritania | 5T5PA | LoTW | By PA5X fm Nouadhibou; 160-10m; SSB RTTY FT8; 200w; Hexbeam, wires; operation to continue for 6 mos; QSL also OK via PA5X (Buro or direct) and Club Log |
| $\frac{2019}{\underline{M a r 27}}$ | $\begin{gathered} 2019 \\ \text { Mar31 } \end{gathered}$ | South Cook Is | E51 | Home <br> Call | By DL1AUZ as E51AUZ and DM7PQ as E51NPQ fm Aitutaki (IOTA OC-014); holiday style operation |
| $\frac{2019}{M a r 18}$ | $\begin{gathered} \hline 2019 \\ \text { Apr02 } \\ \hline \end{gathered}$ | Niue | E6ET | Club Log | By 5B4ALX; 160-6m, focus on 1606030 10m; SSB CW RTTY, some FT8; 1 kw; verticals; QRV for CQ WPX SSB; see Web for full QSL details |
| $\frac{2019}{\underline{M a r} 16}$ | $\begin{gathered} 2019 \\ \text { Apr06 } \end{gathered}$ | Vietnam | 3W9JF | F6CTF Direct | By F6CTF fm Hoi An; HF; QSL also OK via eQSL |
| $\frac{2019}{\text { Mar } 28}$ | $\begin{gathered} \hline 2019 \\ \text { Apr10 } \\ \hline \end{gathered}$ | Jamaica | 6Y5KB | LoTW | By DL2SBY fm Negril and Lucea; 80-6m; CW SSB FT8, perhaps RTTY; QSL also OK via DL2SBY direct (no Buro) |
| $\frac{2019}{\text { Apr02 }}$ | $\begin{gathered} 2019 \\ \text { Apr11 } \end{gathered}$ | South Cook Is | E51 | $\begin{aligned} & \text { Home } \\ & \text { Call } \end{aligned}$ | By DL1AUZ as E51AUZ and DM7PQ as E51NPQ fm Rarotonga (IOTA OC-013); holiday style operation |
| $\begin{array}{r} \underline{2019} \\ \text { Apr01 } \\ \hline \end{array}$ | $\begin{gathered} 2019 \\ \text { Apr14 } \\ \hline \end{gathered}$ | Norfolk I | VK9N | TBA | By VK3QB VK3HJ VK2PN VK3BDX as TBA; HF; CW SSB; focus on lowband CW; SOTA activation of Mt Bates and Jacky Jacky |
| $\frac{2019}{\text { Apr06 }}$ | $\begin{gathered} 2019 \\ \text { Apr16 } \\ \hline \end{gathered}$ | Burkina Faso | XT2AW | M00XO | By DF2WO fm Ouagadougou; focus on 16080 60m; CW SSB RTTY FT8; hexbeam, verticals; QSL also OK via DF2WO direct |
| $\frac{2019}{\text { Mar } 13}$ | $\begin{gathered} 2019 \\ \text { Apr17 } \\ \hline \end{gathered}$ | Barbados | 8P6DR | LoTW | By G3RWL; 80-10m; CW RTTY; QSL also OK via Club Log (preferred), email request, RSGB Buro |
| $\frac{2019}{\frac{\text { Apr15 }}{}}$ | $\begin{gathered} 2019 \\ \text { Apr22 } \end{gathered}$ | American | KH8 | LoTW | By OZOJ and OZ1RH as TBA; CW SSB + digital (incl FT8); QSL also OK via Club Log (see Web for full details) |


|  |  | Samoa |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\frac{2019}{\text { Mar21 }}$ | $\begin{array}{r} 2019 \\ \text { Apr22 } \\ \hline \end{array}$ | French Guiana | T02BC | LoTW | By DL7BC fm GJ43vu; 40-10m; mainly SSB, some RTTY PSK, CW on request; QSL also ok via DL7BC and Club Log |
| $\frac{2019}{\text { Apr14 }}$ | $\begin{gathered} 2019 \\ \text { Apr22 } \end{gathered}$ | Iceland | TF | LoTW | By EB3GCP as TF/EB3GCP; HF; mainly FT8; QSL also OK via EB3GCP and eQSL |
| $\frac{2019}{\text { Apr01 }}$ | $\begin{gathered} 2019 \\ \text { Apr22 } \end{gathered}$ | $\frac{\text { St Kitts \& }}{\text { Nevis }}$ | V47JA | LotW | By W5JON fm Calypso Bay, St Kitts; $160-6 \mathrm{~m}$, incl 60 m ; SSB FT8; yagi on 6 m , verticals, dipole; QSL also OK via W5JON direct |
| $\begin{array}{r} \underline{2019} \\ \underline{\operatorname{Apr} 17} \\ \hline \end{array}$ | $\begin{array}{r} 2019 \\ \text { Apr25 } \\ \hline \end{array}$ | Burkina Faso | XT2MAX | LoTW | By DK1MAX; HF; CW FT8; QSL also OK via eQSL; Club Log uploads; no paper QSLs |
| $\begin{array}{r} 2019 \\ \underline{\text { Apr } 21} \\ \hline \end{array}$ | $\begin{gathered} 2019 \\ \text { Apr28 } \\ \hline \end{gathered}$ | South Cook Is | E51DLD | W4HB | By W6HB fm Rarotonga I (IOTA OC-013); @E51AND/E51JD; 160-10m; SSB; holiday style operation |
| $\begin{array}{r} \underline{2019} \\ \underline{\text { Apr } 21} \\ \hline \end{array}$ | $\begin{gathered} 2019 \\ \text { May03 } \end{gathered}$ | French Polynesia | FO | LoTW | By KE1B as FO/KE1B fm Bora Bora I (IOTA OC-067); mainly 20m; FT8; 10w; QSL also OK via KE1B (Buro or direct), Club Log (preferred), eQSL |
| $\frac{2019}{\text { May03 }}$ | $\begin{gathered} 2019 \\ \text { May05 } \end{gathered}$ | Fiji | 3D2AS | M00XO | By G0VJG; 40-10m; SSB FT8; 300w; Hexbeam |
| $\frac{2019}{\operatorname{Apr} 30}$ | $\begin{gathered} \hline 2019 \\ \text { May05 } \\ \hline \end{gathered}$ | Jersey | GJ6EFW | ON6EF | By ON6EF ON4JW ON6VJ ON3DMR ON4AFW ON7VM ON8WR ON1BN; SSB CW + digital; 100w; QSL OK via ON Buro or direct |
| $\frac{2019}{\text { Apr27 }}$ | $\begin{gathered} 2019 \\ \text { May08 } \\ \hline \end{gathered}$ | Reunion | T019A |  | By 9A2AA 9A7Y 9A2NA 9A8RA 9A3EME 9A3CJW 9A3MR; focus on low bands |
| $\begin{aligned} & \frac{2019}{\text { May } 07} \end{aligned}$ | $\begin{gathered} \hline 2019 \\ \text { May14 } \\ \hline \end{gathered}$ | St Vincent | J88PI | GW4DVB | By GW4DVB fm Palm I (IOTA NA-025, FK92ho); 40-6m; SSB FT8 SSTV |
| $\begin{array}{r} \underline{2019} \\ \text { May06 } \\ \hline \end{array}$ | $\begin{gathered} 2019 \\ \text { May15 } \\ \hline \end{gathered}$ | St Vincent | J88PI | GW4DVB Direct | By GW4DVB fm Palm I (IOTA NA-025, FK92ho); 40201715 10m; SSB FT8 SSTV; 100w; QSL: PO Box 20:20, Llanharan, Pontyclun, Wales, UK CF72 9ZA |
| $\frac{2019}{\text { May06 }}$ | $\begin{gathered} 2019 \\ \text { May20 } \end{gathered}$ | $\begin{aligned} & \text { Wallis \& } \\ & \hline \text { Futuna } \end{aligned}$ | FW | M00XO | By G0vJg as TBA; 80-10m; SSB FT8; 300w; Hexbeam |
| $\frac{2019}{\text { May } 20}$ | $\begin{gathered} \hline 2019 \\ \text { May22 } \\ \hline \end{gathered}$ | Fiji | 3D2AS | M00XO | By G0VJG; 40-10m; SSB FT8; 300w; Hexbeam |
| $\frac{2019}{\text { May25 }}$ | $\begin{aligned} & 2019 \\ & \text { Jun01 } \end{aligned}$ | Luxembourg | LX | LoTW | By GM4UYE GM@OBX MMӨOKG MMOOBT MM@JZB MM@VPY as LX/GM4UYE; 40-6m; SSB CW RTTY FT8; QSL also OK via Mөoxo |
| $\begin{aligned} & \frac{2019}{\text { May } 20} \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Jun19 } \\ \hline \end{gathered}$ | Guatemala | TG9BBV | LoTW | By VE7BV fm EK44qk; HF; mainly CW, also SSB FT8; holiday style operation; QSL also OK via Ve7BV (VE Buro or direct) and eQSL |
| $\frac{2019}{\text { Jun23 }}$ | $\begin{gathered} \hline 2019 \\ \text { Jun25 } \\ \hline \end{gathered}$ | Cayman Is | ZF2CJ | LoTW | By JJ2RCJ; @ZF1A; 80-10m; focus on FT8; QSL also OK via Club Log and JJ2RCJ |
| $\begin{aligned} & \frac{2019}{\text { Jun26 }} \\ & \hline \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Jun28 } \end{gathered}$ | Jamaica | 6Y3Y | LoTW | By JJ2RCJ; @6Y5WJ; 80-10m; focus on FT8; QSL also ok via Club Log and JJ2RCJ direct (no IRCs) |
| $\begin{aligned} & \frac{2019}{\text { Jun25 }} \\ & \hline \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Jul02 } \end{gathered}$ | Saba \& St <br> Eustatius | PJ5 | W9DR Direct | By W9DR as PJ5/W9DR fm Sint Eustatius I (IOTA NA-145, FK87ml); 6m; SSB CW FT8 |
| $\begin{array}{r} \underline{2019} \\ \underline{\text { Augg } 01} \\ \hline \end{array}$ | $\begin{gathered} 2019 \\ \text { Aug11 } \\ \hline \end{gathered}$ | St Paul | CY9C | LoTW | By 12 op team; all bands; all modes; EME; QSL also OK via WA4DAN direct and Club Log; dates tentative |
| $\begin{aligned} & \underline{2019} \\ & \hline \text { Sep02 } \\ & \hline \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Sep09 } \\ \hline \end{gathered}$ | Fiji | 3D2 | DD0VR | By DDQVR as TBD; HF; SSB; QSL OK via DARC Buro or direct |
| $\begin{array}{r} \underline{2019} \\ \text { Sep09 } \\ \hline \end{array}$ | $\begin{gathered} \hline 2019 \\ \text { Sep16 } \\ \hline \end{gathered}$ | Samoa | 5W | DD0VR | By DDQVR as TBD; HF; SSB; QSL OK via DARC Buro or direct |
| $\begin{array}{r} \underline{2019} \\ \hline \text { Sep16 } \\ \hline \end{array}$ | $\begin{gathered} 2019 \\ \text { Sep21 } \\ \hline \end{gathered}$ | Tonga | A3 | DD0VR | By DDQVR as TBD; HF; SSB; QSL OK via DARC Buro or direct |
| $\begin{aligned} & \underline{2019} \\ & \underline{S e p} 23 \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 2019 \\ \text { Sep27 } \\ \hline \end{gathered}$ | Fiji | 3D2 | DD0VR | By DDOVR as TBD; HF; SSB; QSL OK via darc buro or direct |
| $\frac{2019}{\operatorname{sep} 20}$ | $\begin{gathered} 2019 \\ \text { Oct03 } \\ \hline \end{gathered}$ | Crete | SV9 | LoTW | By PH2M as SV9/PH2M; holiday style operation; QSL also OK via PH2M (Buro or |
| $\begin{aligned} & \underline{2019} \\ & \underline{S e p 24} \\ & \hline \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Oct06 } \\ \hline \end{gathered}$ | Tonga | A35AG | LoTW | By VK5GR VK5XDX VK5AKH fm IOTA OC-049 (AG28hw); 80-10m; SSB CW FT8 RTTY; QRV for OCDX SSB Contest; QSL also ok via Meoxo and eQSL |
| $\begin{array}{r} \underline{2019} \\ \underline{S e p} 24 \\ \hline \end{array}$ | $\begin{gathered} 2019 \\ \text { Oct08 } \end{gathered}$ | St Pierre \& Miquelon | FP | LoTW | By KV1J as FP/KV1J fm Miquelon I; 160-6m; mainly SSB RTTY FT8; some CW; QSL also OK via KV1J (Buro or direct) and Club Log |
| $\begin{array}{r} \underline{2019} \\ \underline{\text { Oct01 }} \end{array}$ | $\begin{gathered} 2019 \\ \text { Oct15 } \end{gathered}$ | Tokelau | ZK3X | LoTW | By YT1AD UT5UY UR0MC US0KW UW7LL UT8IO UX0LL UA2FZ RW7K R7KW N7QT VE7NY fm IOTA OC-048; 160-6m; CW SSB RTTY PSK31 FT8; up to six K3 stations planned; Full QSL details on Web |
| $\frac{\underline{2019}}{\underline{\text { oct15 }}}$ | $\begin{gathered} 2019 \\ \text { Oct31 } \end{gathered}$ | Pitcairn I | VP6 | TBA | By AA7A EY8MM JR40ZR K0IR K0pC K9CT K9NW N4GRN N6HC WOGJ WOVTT W6IZT W8HC WB9Z; all bands; all modes; 8 stations planned each 1 kw ; yagis and verticals; dates tentative |
| $\begin{aligned} & \underline{2019} \\ & \text { Nov17 } \end{aligned}$ | $\begin{gathered} 2019 \\ \text { Nov30 } \end{gathered}$ | Vietnam | XV9D | LoTW | By By RM2D; focus on $160-40 \mathrm{~m}$; main goal is to provide ATNOs and new band points on low bands; QRV for CQWW DX CW; QSL also OK via EA5GL direct |

