



The 5KØK team departing from Vienna with a few items out of their junk boxes they think they'll need for the CQWW SSB contest.

Results of the 2019 CQWW DX SSB Contest

"Another great contest where I am meeting long-time friends!" – PAØM

BY JOHN DORR*, K1AR

This year, *CQ* magazine is celebrating its 75th year — an amazing accomplishment in our hobby and in the world of publishing overall. Equally amazing was last year's 71st edition of the CQWW contest — an operating event unlike any other, both in size, excitement, and worldwide participation. And, while we still haven't figured out how to control our solar friend or convince OI' Sol that sunspots are actually a good thing, the party continues year after year. Indeed, operating conditions were dismal this past fall, but we still witnessed an estimated 46,000 stations on the air, which is an astounding tally by any measure. Even in poor conditions, TF3T found something positive to say when he mentioned that, "At least the aurora was certainly beautiful!"

But I also love hearing stories from testers who have returned to the fold. Javier Monroy, HK3EA (ex-HK3MAE), wrote to me and said, "After 25 long years away from radio activity, I have returned to contests again. Perhaps my working conditions and the very special and strange callsign, 5J5ØØV, leave me with an improved result, but no matter what, I simply felt very happy to be participating. This contest is great; I have no doubt."

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Rookie operator Dustin, KM4UNY, having a blast at the helm of Mark, K9GX's, fine station.



So, even with poor conditions, we have plenty to celebrate and report upon this year.

Let's Discuss the Results

Given the trend in recent years of ballooning contest scores when conditions have been "just right," it's hard to believe that a result of 5 million (M) points in a CQWW contest could place you in the Top-10 SOAB (Single-Operator All-Band) World category as achieved by 4X4FR this year. Or, that you could be the #10 winner in the U.S. SOAB category, as N1PGA accomplished, while barely cracking 1M points. All of this is to say that while making the top-10 in any category of the WW remains an impressive accomplishment, scores were significantly down when compared to previous years — a graphic reflection of what happens when sunspots vaporize from the Earth-facing glare of the Sun.

The PJ4K team undertaking a massive station rebuild from the former PJ1B operating site.

2019 CQWW DX SSB TOP SCORES

WORLD SINGLE OPERATOR HIGH POWER All Band V47T (K5ZD).....11,215,890 8P5A (W2SC).....11,024,463 P40T (VE3DZ).....10,167,520 E7DX (E77DX).....7,203,476 V55A (ZR2A).....7,164,672 CR6K (CT1CJJ).....6,806,352 UB7K.....5,658,943 VY2TT (K6LA).....5,377,272 N5DX (@N2QV).....5,350,590 4X6FR.....5,021,640 28 MHz CV7S (CX7SS).....418,990 E77A.....146,664 LW2DOD.....89,784 21 MHz PX2A (PY2LSM).....1,485,855 IH9P (OL5Y).....1,276,872 LU5VV.....587,214 14 MHz TM4L (F8ARK).....1,190,710 CS2C.....916,663 DK3T (DK4EE).....868,687 7 MHz CR6T (CT1ESV).....895,238 Y77A (YU7GM).....512,400 DX1J (EA4KR).....504,003 3.7 MHz YV5KG.....157,192 SN5V (SQ5EBM).....144,102 EW8Y.....135,800 1.8 MHz VY2ZM (K1ZM).....209,878 NP2J (K8RF).....105,138 SN7D (SQ7D).....65,254 LOW POWER All Band KP3Z (NP4Z).....5,130,240 HI3T.....2,162,257 3V8SS (KF5EY).....1,712,854 IW1FRU.....1,694,117 VA2EW.....1,655,374 HA3NU.....1,567,920 4X0T (4Z5F).....1,548,749 MU2K (RL5D).....1,220,627 OK6T (OK1WCF).....1,191,186 UZ3A (UX1AA).....1,132,950 28 MHz CA4PSH.....197,200		EA8TX.....192,138 CE2BMW.....134,200 21 MHz PY2UD.....491,904 LZ9V.....171,996 VR2EH (VR2QZ).....152,292 14 MHz 4L2M.....639,100 PY2NY.....435,864 ED8H.....253,770 7 MHz RK3E.....55,328 EA5EOR.....49,082 SP7RFF.....44,895 3.7 MHz 4Z5UN.....115,090 PA2TMS.....111,055 RW2F (RA2FA).....59,040 1.8 MHz SN0R (SQ9IAU).....26,963 UY2IF.....14,022 G2X (G0DCK).....10,812 QRP All Band KR2Q.....472,584 LZ1DM.....319,800 LY5G.....206,424 UR5FE0.....204,088 EA8DDS.....192,071 W1JGW.....189,426 JH1OGC.....127,530 M3E (G4CWH).....97,603 9M2TDX.....82,764 K8ZT.....72,480 28 MHz SP7VTQ.....7,579 SN5R (SP5XMU).....5,265 US5VX.....2,952 21 MHz UW5EJX/MM.....85,772 HG3C (HA3HX).....21,300 CT4QB.....16,132 14 MHz UN4L.....72,660 JR4DAH.....34,612 WE6EZ.....30,300 7 MHz IZ3IBL.....50,568 LY2NK.....27,156 IZ4VQS.....25,788	3.7 MHz OK6K (OK5IM).....17,727 DO4HZ.....5,292 IZ50VP.....1,500 1.8 MHz HA1TI.....7,912 ASSISTED HIGH POWER All Band PT5J (PP5JR).....8,535,872 EC2DX.....7,789,488 EF5Y (EA5FR).....4,483,408 S57AL.....4,455,616 S53MM.....4,342,184 KH7XS.....4,237,920 ZF9CW (K5GO).....4,237,731 VA2WA.....3,973,920 4Z7Z (4X1DX).....3,972,505 IB9A (IT9RBW).....3,969,126 28 MHz LU7HN.....295,470 LU1DX.....178,979 EA8DED (OH2BP).....102,336 21 MHz 9Y4D.....1,253,707 Z22T (PY2MNL).....819,206 PY2KJ.....703,494 14 MHz PJ4NG (K2NG).....1,703,673 9A9A.....1,615,680 OK7K (OK1BN).....1,232,498 7 MHz UA4S (R9GM).....589,776 SN3A (SP3GEM).....572,880 LY4ZF (YL1ZF).....545,325 3.7 MHz OM2VL.....519,168 OL4C (OK1NP).....457,475 HG8R (HA8JV).....419,616 1.8 MHz HG0R (HA0NAR).....89,884 4L4YZZ (LY4ZZ).....55,944 SP3GTS.....54,480 ASSISTED LOW POWER All Band P40W (W2GD).....4,689,450 UW7LL.....2,415,253 TM3Z (F4DSK).....2,081,004 9A2EU.....1,898,688 SQ6H (SQ6PLH).....1,566,075 PC3T.....1,420,224 CF3M (VE3LA).....1,318,971	VP9I (K1QX).....1,159,936 PT7ZT.....982,272 RL6M.....943,884 28 MHz EA5AER.....50,800 PP5KC.....38,570 LZ1NG.....37,980 21 MHz PY2CX.....255,102 IZ8GNR.....244,684 9A3B (9A1AA).....90,450 14 MHz IK4LZH.....425,400 UR3GU.....329,766 PY8WW.....291,719 7 MHz 9A9R.....381,576 YL7X (YL2LY).....162,908 IZ4REF.....139,587 3.7 MHz CQ3J.....120,790 OL9R (OK6RA).....105,315 OK1M (OK1WMR).....86,346 1.8 MHz LZ2F (LZ2JE).....38,844 Y78A (YU1EA).....27,604 VE3MGY.....19,052 ASSISTED QRP All Band M0HJM.....178,618 GW8C (M0WLY).....74,104 IK1ZOF/3.....70,380 YU1LM.....45,445 PE2K.....35,369 JK1TCV.....21,336 UR9QQ.....19,800 EA1AER.....15,399 YC2VOC.....15,180 KD2BGM.....13,446 28 MHz HS5YLK.....4,592 3G3O (XQ3OP).....1,040 IW1BCO.....1,003 21 MHz IZ8EWD.....23,856 BA7CK.....16,368 OK2IPW.....13,860 14 MHz TA3AER.....69,504 LY2OU.....37,530 ES7AM.....15,780	7 MHz EE3X (EA3KX).....77,121 HA50B.....2,275 JG1LFR.....1,586 3.7 MHz UZ7M (UT9MZ).....45,414 LZ2A (LZ2DB).....22,336 OL4W (OK1IF).....11,822 1.8 MHz G5D (G3UJE).....6,120 MULTI-OP SINGLE TRANSMITTER High Power CR3DX.....21,657,220 P33W.....20,791,161 IR4X.....11,422,362 LX7I.....10,669,901 LZ5R.....10,495,984 TM6M.....10,389,974 TI7W.....10,216,595 IR4M.....9,976,915 DR1A.....9,908,250 IR6T.....8,002,676 Low Power ED9E.....3,669,484 IB9T.....2,797,964 HH2AA.....2,643,060 ZW8T.....2,204,982 E7CW.....1,772,857 S58Y.....1,539,725 J68MD.....1,522,512 T11T.....1,255,122 ET3AA.....933,534 DL1D.....864,297 MULTI-OP TWO TRANSMITTER FY5KE.....24,073,634 PZ5K.....19,800,720 ZF1A.....12,759,663 ED8W.....10,937,124 EI7M.....10,272,510 KC1XX.....10,262,208 9A7A.....9,394,608 ED1R.....9,234,735 6W1RY.....9,105,408 5K0K.....8,744,631 MULTI-OP MULTI-TRANSMITTER D4C.....42,192,920 EF8R.....41,951,525 CN3A.....31,297,000 PJ4K.....26,784,234 PJ2T.....18,494,835 A73A.....17,404,684	ROOKIE High Power KN8U.....444,854 YU1TUF.....408,807 SQ3M.....395,592 VU2ZMK.....350,700 R2ARR.....242,496 HP1STB.....237,009 S50GB.....204,540 9M2SAF.....172,840 AC1EV.....170,187 AK1MD.....153,216 ROOKIE Low Power EA6AMM.....499,280 9A3LYL.....374,088 DJ4MX.....366,030 HZ1LG.....266,031 OD5ZF.....247,585 CA4PSH.....197,200 IU5ICR.....140,793 SP8ALT.....140,392 LY5YY.....139,503 DC8YZ.....127,260 CLASSIC High Power P40T (VE3DZ).....5,086,298 PS2T (PY1NX).....3,835,076 RK9AX (UA9BA).....3,157,680 S50A.....2,778,088 EA5ON.....2,110,136 KU2M.....1,580,964 YO9HP.....1,357,920 ES6RW (ES5RW).....1,353,390 CB8E (CE8EIO).....1,150,252 N2IC.....1,139,180 CLASSIC Low Power 3V8SS (KF5EY).....1,712,854 UZ3A (UX1AA).....1,132,950 EW2A.....871,203 V3A (V31MA).....770,796 LZ3FN.....688,390 EA1YG.....550,935 IK1JJM.....532,243 0O4O.....474,250 IT9FRX.....458,504 OK1TA.....446,040
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As with most CQWW contests, and even with reduced scores along with a limited collection of new records, the competition remained intense in many of the major categories as observed by the top three World SOAB entries being within 1M points of each other. In the end, former CQWW Director Randy, K5ZD, at V47T, beat out good friend W2SC at 8P5A by 200K or only about 100 QSOs, followed by closely by Yuri, VE3DZ, operating at P4ØT.

The SOAB low-power group was another matter as Filipe, NP4Z, demolished the competition by a factor of 2, netting a final score of over 5M points. It's scary to think what he could do with good conditions from that QTH.

Somehow, Doug, KR2Q, found relief from an insane workload in the office to put together another world high score in

the SOAB QRP group with an impressive score of 472K (remember, we are talking about QRP SSB at the bottom of the cycle). Doug has been at the QRP game since 1988, handily winning the top U.S. honors at that time and regularly doing it again most years ever since, often claiming World high as well.

In the slugfest of all slugfests category was the World multi-multi battle between D4C and EF8R. In the end, the team from Cape Verde squeaked out a victory with over 15,600 QSOs, down 400 from their EF8R competitors, but finding enough extra multipliers to make the difference. Now that is competition at its finest.

The U.S. multi-multi race turned out to be a shocker this year as W3LPL managed to break the 14-year championship streak of K3LR by the tiniest of

A New Ham Having Fun in the CQWW

BY MARK WILLIAMS, K9GX

Having been a licensed amateur radio operator since 1981, I have enjoyed mentoring new hams for years, presenting licensing classes, coaching newbies at radio club activities like the ARRL Field Day, hosting kids for Jamboree on the Air (JOTA) events, and inviting rookies into the shack for contests.

Such was the case for the 2019 CQWW SSB contest. In early October I invited the locals, including local clubs such as the YARC (Young Amateurs Radio Club), to nominate a rookie who had been licensed less than 3 years to come join us.

The plan was to assemble a team of three ops: the rookie, a veteran who would likely be a long-time friend, and me. In response, Buddy, KC4WQ, President of the Bullitt Amateur Radio Society in Kentucky nominated Dustin, KM4UNY.

A week before the test I'd made arrangements with KM4UNY and my friend of over three decades John, W9WR, and a plan was put into place. This was Dustin's first contesting / DXing experience. During his first "butt in chair" session, he learned the meaning of QRM and was rather overwhelmed with the pileups and activity. However, I told him to "push on through, not be shy, and go for it." Once he donned his "search and pounce" pants, he went after it, working several new multipliers before it was time to make the 45-minute drive home to his family.

When John, W9WR, arrived, and with conditions being the way they were, we found that we spent more time catching up and visiting than actually operating. After all, I've operated at his QTH in a number of contests through the years and there's always something to talk about.

Following WW weekend, Dustin messaged me and commented, "I appreciate the opportunity. Definitely a learning experience." His family is truly "radioactive" with Dustin's wife and daughter also being radio amateurs. Although not a full-blast multi-op in the true sense as we only operating a combined total of just under 12 hours, we elmered a "rookie" and enjoyed the company of a dear friend. And, that's what contesting is really all about!

- 73, Mark, K9GX

UNITED STATES SINGLE OPERATOR HIGH POWER

All Band	
N5DX (@N2ØV).....	5,350,590
W9RE.....	2,451,225
W3PP (AA1K).....	2,409,647
NØ6T (KI6RRN @WA6TQT).....	2,184,660
K3ZO.....	1,853,082
KU2M.....	1,580,964
K5GN.....	1,532,634
K6XX.....	1,419,072
K4AB.....	1,354,548
N1PGA.....	1,162,392
28 MHz	
W5PR.....	27,950
W4DD.....	24,698
K4WI.....	19,710

21 MHz	
K25J.....	33,702
KC4FWS.....	23,147
N4LZ.....	19,241
14 MHz	
N1UR.....	539,756
N7TU (K2SS).....	260,026
N5CR.....	100,016
7 MHz	
W7WA.....	250,614
AB7E.....	37,497
W1FQ.....	34,776
3.7 MHz	
W3BGN.....	83,028
NE8P.....	34,362
WØEWD.....	22,274
1.8 MHz	
N7AU.....	1,178

LOW POWER All Band	
N4TZ.....	809,622
K5KU.....	567,147
NU4E.....	400,327
K5FUV.....	366,540
W6DVS.....	365,310
K65HVO.....	306,290
N4IJ.....	297,252
WW4XX (LZ4AX).....	294,196
N7IR.....	268,804
WB8WKQ.....	267,254
21 MHz	
N8II.....	134,082
AH2Ø.....	57,800
W2AW (N2GM).....	47,816
14 MHz	
K7ACZ.....	33,464

W4PGM.....	27,972
K6GHA.....	16,926
7 MHz	
AE4ED.....	35,340
W2AAB.....	9,434
KE6K.....	2,210

QRP All Band	
KR2Q.....	472,584
W1JCW.....	189,426
K8ZT.....	72,480
W6QU (W8QZA).....	43,092
W1CEK.....	1,612
AB8DF.....	1,540

14 MHz	
WE6EZ.....	30,300

ASSISTED HIGH POWER All Band	
N3RS.....	3,271,213
AA3B.....	2,956,024
K3WWW.....	2,889,900
AB3CX.....	2,368,521
K5TR.....	2,338,988
W1GD.....	2,128,026
K3PP.....	1,981,144
N2SR.....	1,927,309
NW3Y.....	1,920,776
K1RX.....	1,734,446
21 MHz	
N1RR.....	442,975
N4BP.....	160,428
N4PN.....	120,156
14 MHz	
N7DD.....	252,546
KVØQ.....	249,888
ND9G.....	148,920

7 MHz	
K4MM.....	60,375
K2SSS.....	27,805
K9DR.....	10,126
3.7 MHz	
W3LL.....	92,759
AB4B.....	76,440
W3NO.....	61,914
1.8 MHz	
KØRF.....	6,956

ASSISTED LOW POWER All Band	
W1NT.....	796,416
KS1J.....	694,720
K2SDS.....	608,580
N4XL.....	512,785
W3KB.....	503,170
NY6DX.....	437,760

KA2KON.....	361,863
N1API.....	338,143
W9PA.....	335,790
K15MM.....	306,912

21 MHz	
AB1J.....	21,754
N2BEG.....	18,105
N8BJQ.....	15,812

14 MHz	
N9TGR.....	104,877
WA2JQK.....	89,160
W4VS.....	22,638

7 MHz	
KT4ZB.....	36,378
WK9U.....	20,713
AA4NP.....	13,536

3.7 MHz	
WW2R (N2CEI).....	42,804
K3TW.....	11,570

ASSISTED QRP All Band	
KD2BGM.....	13,446

MULTI-OP SINGLE TRANSMITTER High Power	
W3UA.....	4,478,260
N4WW.....	3,864,430
N1MM.....	3,448,840
K8AZ.....	2,528,688
W1NA.....	2,108,561
W8PR.....	1,571,922
AA9A.....	1,432,728
W3MF.....	1,411,121
W1ØØ.....	1,350,002
W5MX.....	1,301,616
Low Power	
NA5NN.....	775,201
NM1C.....	139,464
N8YXR.....	125,944
N9SJ.....	94,668
AD4XT.....	52,272
W8AJT.....	28,175
W3PGA.....	5,175
W4AAZ.....	2,074
KB2SDF.....	1,700

MULTI-OP TWO TRANSMITTER	
KC1XX.....	10,262,208
K2LE.....	3,547,585
NV9L.....	3,237,032
K1KP.....	3,057,390
NW1P.....	2,848,706
K1IR.....	2,824,900
W2CG.....	2,265,494
K2AX.....	2,258,410

KB3VOC.....	1,478,575
N3VZ.....	1,475,104

MULTI-OP MULTI-TRANSMITTER	
W3LPL.....	11,688,750
K3LR.....	11,630,432
K1TTT.....	5,782,310
K1KI.....	4,338,000
K3EST.....	1,739,085
NE3F.....	1,699,586
WX3B.....	1,079,104
W4CAR.....	84,088
K5LRW.....	48,564
W8DGN.....	19,502

ROOKIE High Power	
KN8U.....	444,854
AC1EV.....	170,187
AK1MD.....	153,216
AB4KY.....	89,628
K4SHW.....	32,480
WY7W.....	26,196
N7DSX.....	24,975
K7LSX (N7DSX).....	17,290
KN6CSB.....	13,120
W9KEY.....	10,792

Low Power	
AAØØ.....	96,264
K1IDX.....	53,850
N8BAP.....	32,743
W9JWC (KD9LSV).....	31,578
N8CLB.....	30,475
N3GE.....	29,250
W4BTW.....	26,307
N8JLM.....	25,806
N1RJK.....	21,576
KC3MLC.....	21,056

CLASSIC High Power	
KU2M.....	1,580,964
N2IC.....	1,139,180
KØEJ.....	967,494
KK1L.....	748,328
AS4W.....	683,655
N5AW.....	621,986
NA8V.....	568,629
W1WFF.....	547,288
NX1P.....	462,480
K1RM.....	446,842

Low Power	
NU4E.....	400,327
WW4XX (LZ4AX).....	294,196
K1HT.....	244,758
K4SXT.....	143,763
N1DC.....	130,150
K8AJS.....	124,152
NN5T.....	104,486
N2MTG.....	100,606
WA5LFD.....	97,173
NØYO.....	93,264

margins — winning by only 0.49%. Another 25 QSOs in LR's log out of nearly 6,600 total contacts would have swapped the results. Congrats to Frank and his team for a well-deserved win.

Finally, I'd like to offer a special shout-out to Emily, BU2BE, for submitting a golden log this year (no errors / score reduction) with 566 perfect QSOs in her log. Way to go, Emily.

And in fact, way to go to everyone — large score and small — who operated and submitted one of the 7,742 logs received in the 2019 CQWW SSB Contest.

The CQWW is Truly a Worldwide Contest

I've become convinced that if we no longer had the Sun keeping us warm and

safe, the CQWW contest would continue on for many more years with unprecedented activity and participation from countries around the world. Of course, with no sun there may be other issues, but contesters are a creative group.

The 2019 contest provided a positive bump in available multipliers as we crossed back over into the 200+ club (See *Table 1*). In scanning the line scores, I love seeing such a wide range of exciting multipliers such as CYØ, 5R8, 5T5, FR, S7, 5H, T6, HZ, 9V, 3W, along with many others. And, with good propagation eventually returning, look at what's to come.

A Contest of Categories

Although there is constant pressure to add new categories to the CQWW con-

test, as you see in *Table 2*, we are not lacking with what already exists today. In fact, this list doesn't even include single-band entries.

Table 2 is a listing of the number of entries in the 2019 CQWW SSB contest

Year	# of entities
2013	236
2014	235
2015	232
2016	224
2017	202
2018	199
2019	215

Table 1. Total number of DX entities submitting logs in the 2019 CQWW SSB Contest and previous years.

2019 CQWW DX SSB PLAQUE WINNERS AND DONORS

SINGLE OPERATOR

World

V47T (Opr.: Randy Thompson, K5ZD)
Donor: Southern California DX Club

World – Low Power

KP3Z (Opr.: Felipe J. Hernandez, NP4Z)
Donor: Slovenian Contest Club

World – QRP

Doug Zwiebel, KR2Q
Donor: Jeff Steinman, N5TJ

World – Assisted

PT5J (Opr.: Sergio Almeida, PP5JR)
Donor: Glenn Johnson, WØGJ

World – Assisted Low Power

P4ØW (Opr.: John Crovelli, W2GD)
Donor: Gail Sheehan, K2RED

U.S.A.

Kevin Stockton, N5DX

Donor: Potomac Valley Radio Club – KC8C Memorial

U.S.A. – Low Power

Terry Zivney, N4TZ
Donor: North Coast Contesters

U.S.A. – QRP

John C. Walker, Sr., W1JCW*
Donor: Pat Collins, N8VW

U.S.A. – Assisted

Ronald R. Sigismonti, Sr., N3RS
Donor: John Rodgers, WE3C

U.S.A. – Assisted Low Power

Bradford L. Denison, W1NT
Donor: LA9Z/LN9Z Leia Contest Club

U.S.A. – Zone 3

NO6T (Opr.: Axel W. Bruderer, K16RRN)
Donor: Northern California Contest Club

U.S.A. – Zone 4

Mike Wetzel, W9RE
Donor: Kansas City DX Club

Europe

E7DX (Opr.: Emir Memic, E77DX)
Donor: Potomac Valley Radio Club – W4BVV Memorial

Europe – Low Power

Max Baratono, IW1FRU
Donor: Tim Duffy, K3LR

Europe – QRP

Plamen Ivanov, LZ1DM
Donor: Steve "Sid" Caesar, NH7C

Europe – Assisted

Imanol Antoñanzas, EC2DX
Donor: Martin Huml, OL5Y

Europe – Assisted Low Power

Yaroslav Oleynik, UW7LL
Donor: Alex Goncharov, R3ZZ

Africa

V55A (Opr.: Ulrich Ann, ZR5A)
Donor: Chris Terkla, N1XS

Asia

Zvi Stessel, 4X6FR

Donor: Nodir Tursun-Zade, EY8MM

Caribbean / Central America – High Power

8P5A (Opr.: Tom Georgens, W2SC)*
Donor: John Rodgers, WE3C

Caribbean / Central America – Low Power

Ted Jimenez, HI3T*
Donor: Albert Crespo, NH7A

Oceania

V85RH (Opr.: Hajime Kato, JO1RUR)
Donor: Barbara Yasson, AC7UH

South America

PS2T (Opr.: Soni Endlich Leite, PY1NX)*
Donor: Yankee Clipper Contest Club

Canada

VY2TT (Opr.: Ken Widelitz, K6LA)
Donor: Contest Club Ontario – VE3WT Memorial

Russia

Andy Kazantsev, UB7K
Donor: Roman Thomas, R5AA

Indonesia

Syariefudin Syah, YB8RW
Donor: Karsono Suyanto, YBØNDT

Japan

Masaki Masa Okano, JH4UYB
Donor: Rush Drake, W7RM Memorial

Japan – Low Power

Nob Watanabe, JH1EAO
Donor: Juan Carlos Munoz, TG9AJR

ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU)

Saty Nakamura, 9M6NA*
Donor: YB Land DX Club

ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU) – Low Power

4E1A (Opr.: Klaus D. Goepel, 4E1ADW)
Donor: World Wide Radio Operators Association (WWROF)

SINGLE OPERATOR, SINGLE BAND

World – 28 MHz

CV7S (Opr.: E. Eugenio De Marino, CX7SS)
Donor: Joel Chalmers, KG6DX

World – 21 MHz

PX2A (Opr.: Alan Laure Santamaria, PY2LSM)
Donor: Robert Naumann, W5OV

World – 14 MHz

TM4L (Opr.: Frederic Lallemand, F8ARK)
Donor: North Jersey DX Assn. - K2HLB Memorial

World – 7 MHz

CR6T (Opr.: Antonio Rui Sousa Santos, CT1ESV)
Donor: Fred Laun, K3ZO – K7ZZ Memorial

World – 3.7 MHz

Jhony Aldana, YV5KG
Donor: Fred Capossela, K6SSS

World – 1.8 MHz

VY2ZM (Opr.: Jeffrey T. Briggs, K1ZM)
Donor: OL7M Contest Group, QRO.cz, RemoteQTH.com

U.S.A. – 28 MHz

Chuck Dietz, W5PR
Donor: John Rodgers, WE3C

U.S.A. – 21 MHz

Jeffrey W. Hartley, N8II
Donor: 11PM Dayton Pizza Gang

U.S.A. – 14 MHz

Edward D. Sawyer, N1UR
Donor: Yankee Clipper Contest Club – KC1F Memorial

U.S.A. – 7 MHz

Dan Handa, W7WA
Donor: Chuck Dietz, W5PR

U.S.A. – 3.7 MHz

Steven Sussmann, W3BGN
Donor: John Rodgers, WE3C

U.S.A. – 1.8 MHz

Robert C. Lee, N7AU
Donor: South Texas DX & Contest Club (STDXCC)

Europe – 28 MHz

Slaven Galic, E77A
Donor: John Rodgers, WE3C

Europe – 21 MHz

S5ØG (Opr.: Vitomir Kregar, S56M)
Donor: World Wide Radio Operators Foundation (WWROF)

Europe – 14 MHz

CS2C (Opr.: Pavel Pihoda, OK4PA*)
Donor: Charles Wooten, NF4A

Category	AF	AS	EU	NA	OC	SA	ALL	% of total
SOAB(A) High	8	82	481	557	23	32	1,183	21.26%
SOAB High	9	99	294	309	37	15	763	13.71%
SOAB(A) Low	4	76	447	259	11	43	840	15.09%
SOAB Low	9	189	998	513	81	52	1,842	33.10%
SOAB(A) QRP	0	1	17	1	1	1	21	0.38%
SOAB QRP	1	9	53	11	2	5	81	1.46%
Checklog	1	27	239	30	4	10	311	5.59%
Multi-2	3	12	38	34	4	6	97	1.74%
Multi-multi	4	7	16	17	5	5	54	0.97%
MS High	2	22	129	61	9	15	238	4.28%
MS Low	3	24	70	18	14	6	135	2.43%
Grand Total*	44	548	2,782	1,810	191	190	5,565	100.0%
% by continent	0.8%	9.8%	50.0%	32.5%	3.4%	3.4%	100.0%	

*Single band entries not included in analysis

Table 2. Number of logs received by entry class in 2019 CQWW SSB Contest

<p>Europe – 7 MHz YT7A (Opr.: Ivanko Mandic, YU7GM) Donor: Central Texas DX and Contest Club – NT5C Memorial</p>	<p>World – Low Power ED9E (Oprs.: EA7KI, EA1DFP, EA9CD, EA9ACT, EA9ABC, EB7AA, EA9FY, EA9AAU, EB9DG) Donor: Tennessee Contest Group</p>	<p>U.S.A. KC1XX (Oprs.: DL4NAC, K1CC, KC1XX, W1FV, W1UE, WA1Z) Donor: Kimo Chun, KH7U & Mike Gibson, KH6ND - Dan Robbins, KL7Y Memorial</p>
<p>Europe – 3.7 MHz Gennady Novikov, EW8Y Donor: Ted Demopoulos, KT1V</p>	<p>U.S.A. W3UA (Oprs.: NU3C, W3UA) Donor: Carolina DX Assoc. – W4VHF and K4DXA Memorial</p>	<p>Europe EI7M (Oprs.: EI8IR, EI3JE, EI3JZ, EI5IX, EI7IG, EI4HQ, EI6JK, EI3KD, ON4EI) Donor: D4C Monteverde Contest Team</p>
<p>Europe – 1.8 MHz SN7D (Opr.: Mateusz Pigon, SQ7D) Donor: Robert Kasca, S53R</p>	<p>Canada VE3EJ (Oprs.: KM3T, VE3EJ, VE3EK, VE3EY) Donor: John Sluymer, VE3EJ</p>	<p>South America PZ5K (Oprs.: GM4AFF, G4BVI, G4CLA, GD4XUM, K1XX, W1MD)* Donor: Max Baratano, IW1FRU</p>
<p>Caribbean / Central America (14 MHz) J68GD (Opr.: Gary G. Dein, K9AW) Donor: Nate Moreschi, N4YDU</p>	<p>Africa SU8X (Oprs.: OH2BH, OH2GEK, SU1SK, SU2TA, SU3YM)* Donor: Fabio Schettino, I4UFH</p>	<p>Japan JA2YAF (Oprs.: JH2EUO, JN2OFP) Donor: Coconut Wireless Contest Club</p>
<p>Oceania (7 MHz) DX1J (Opr.: Julio M. Lopez Ibañez, EA4KR) Donor: Bruce D. Lee, KD6WW</p>	<p>Asia P33W (Oprs.: YO3JR, LZ2HM, RK4FD, R4FO, UA4FER, RW4WR, R3DCX, RA3AUU) Donor: World Wide Radio Operators Foundation (WWROF)</p>	<p>ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU) 7A2A (Oprs.: JH3PRR, YB0ARJ, YB0JS, YB2DX, YB2LSR, YB2TJV, YB2WA, YB2WB, YB3KM, YD2XVT) Donor: Champ C. Muangamphun, E21EIC – Siam DX Group</p>
<p>Asia (14 MHz) Mamuka Kordzakhia, 4L2M Donor: Dallas / Fort Worth Contest Group – W5PG Memorial</p>	<p>Europe IR4X (Oprs.: I4TJE, I4VEQ, I4YRW, I4USC, I4AVG, IK4ZGO, IK4UPB, IK4VET, IZ2WFL, IT9RGY, IZ4JMA, IZ4BOY) Donor: Gail Sheehan, K2RED</p>	<p>MULTI-OPERATOR, MULTI-TRANSMITTER World D4C (Oprs.: IK2NCJ, IK2LFF, DF7EE, N0VD, AG4W, EA8FF, SQ9D, PY2PT, PY2LED) Donor: Dave Leeson, W6NL & Barb Leeson, K6BL</p>
<p>OVERLAY CATEGORIES World – Classic P40T (Opr.: Yuri Onipko, VE3DZ) Donor: John Rodgers, WE3C</p>	<p>Europe – Low Power IB9T (Oprs.: IT9ATQ, IT9BLB, IT9MBZ, IT9RYJ, IT9VDQ, IT9ZMX) Donor: EA Contest Club</p>	<p>U.S.A. W3LPL (Oprs.: W3LPL, N1SZ, W2GG, K3AJ, K3LU, K3MM, N3QE, N4QQ, NN3W, W3IDT, W3UR, WR3Z, WX3B, KD4D) Donor: Jim Lawson, W2PV Memorial</p>
<p>U.S.A. – Classic Peter Bizlewicz, KU2M Donor: BeLoud.US</p>	<p>Oceania AH2R (Oprs.: KH2JU, NH2C, JR7OMD/WI3O, JE6HIB/AH2EG) Donor: Junichi Tanaka, JH4RHF</p>	<p>Europe LZ9W (Oprs.: LZ1ANA, LZ1BMV, LZ1FG, LZ1PJ, LZ1PM, LZ1UQ, LZ1VS, LZ1WDX, LZ1ZD, LZ2CJ, LZ2HQ, LZ2UU, LZ2YO, LZ3FM, LZ3RR, LZ3UP, LZ3XX, SV7LNX) Donor: Finnish Amateur Radio League</p>
<p>Europe – Classic Tine Brajnik, S50A Donor: Steve Cole, GW4BLE Memorial</p>	<p>South America PQ5B (Oprs.: PP5CFS, PP5JD, PP5BZ, PP5MS, PP5ABG, PP5NY, PP5BK, PP5RX, PY4OG, PU5DCB, PP5JA, PP5FB) Donor: Victor Burns, K16IM – The Cuba Libre Contest Club</p>	<p>CONTEST EXPEDITIONS World Single Operator 3W9A (Opr.: Alex Tkatch, KU1CW) Donor: National Capitol DX Association - Stuart Meyer, W2GHK Memorial</p>
<p>Asia – Classic RK9AX (Opr.: Willy Umanets, UA9BA) Donor: Willy Umanets, UA9BA</p>	<p>Caribbean/Central America TI7W (Oprs.: N3KS, N4YDU, W2ID, KL9A) Donor: Bob Raymond, WA1Z</p>	<p>World Multi-Op A73A (Oprs.: 3V1E, A71AE, A71AM, A71BA, A71BI, A71BX, A71EM, A71GO, A75GE, A75GM, E76AA, IZ5DIY, LY4L, LY4Y, LY9A, OE3FTA, OE3MZC, ON5UR) Donor: Gail Sheehan, K2RED</p>
<p>U.S.A. – Rookie Jon Turner, AC1EV* Donor: Tim Duffy, K3LR – N8SM Memorial</p>	<p>Japan JA7ZFN (Oprs.: JA7ACM, JG7PSJ, JH7XMO, JI7GBI, JP7DKQ, JR7TEQ) Donor: Arizona Outlaws Contest Club</p>	<p>*Awarded to second place finisher</p>
<p>World – Rookie Zhenhao "Bruce" Yang, KN8U Donor: Tim Duffy, K3LR – K3TUP Memorial</p>	<p>ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU) – Low Power 4D2X (Oprs.: 4F2KWT, DU3JH, DU3LA) Donor: Bruce Frahm, K0BJ</p>	
<p>Europe – Rookie Gaspar Miro, EA6AMM Donor: EA Contest Club</p>	<p>MULTI-OPERATOR, TWO TRANSMITTERS World FY5KE (Oprs.: F1HAR, F4CWN, F5HRY, F5UII, FY5FY) Donor: Array Solutions</p>	
<p>Asia – Rookie Mahendra Kannavar, VU2ZMK Donor: Joe Kimball, KL2A-VU2PAI Memorial</p>		
<p>MULTI-OPERATOR, SINGLE TRANSMITTER World CR3DX (Oprs.: OM2KW, OM3BH, OM3GI, OM3RM) Donor: So. Calif. DX Club – W6AM Memorial</p>		

2019 CQWW DX SSB BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

Number groups indicate: QSOs/Zones/Countries on each band

WORLD SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
V47T	150/12/33	517/16/66	1915/28/100	2461/26/98	3131/25/105	125/16/45
8P5A	106/10/24	668/18/78	1902/27/104	2499/24/99	2273/25/106	509/20/58
P40T	25/9/19	497/21/77	1562/27/107	1626/26/106	2138/26/104	223/19/42
E7DX	212/10/51	1011/20/93	1341/29/109	2261/35/129	1067/33/121	292/14/57
V55A	0/0/0	10/4/7	804/27/90	934/28/80	2535/28/107	1052/15/70

WORLD SINGLE OPERATOR ASSISTED ALL BAND

Station	160	80	40	20	15	10
PT5J	24/10/12	123/20/61	684/29/100	1144/33/118	1859/32/130	877/24/87
EC2DX	115/9/44	666/20/92	1186/27/108	1393/36/125	1488/35/134	903/15/72
*P40W	55/8/22	204/15/53	779/23/88	1057/26/101	1023/23/99	165/18/34
EF5Y	58/8/36	249/14/71	1018/28/104	1185/29/106	865/31/115	517/15/75
S57AL	164/9/52	585/17/78	844/30/111	1786/36/137	229/32/122	121/15/65

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

Station	160	80	40	20	15	10
CR3DX	100/12/52	543/19/85	1807/32/126	2515/36/145	3722/36/144	616/21/98
P33W	256/12/62	411/22/91	1684/34/139	3024/37/152	2176/36/151	1077/20/93
IR4X	82/15/66	675/22/101	1616/35/144	2516/38/151	1561/37/147	140/18/88
LX7I	241/14/70	891/20/95	2050/33/134	2255/35/146	1194/32/142	131/15/73
LZ5R	121/12/54	875/29/110	1605/34/133	2894/37/146	1592/36/148	205/19/86

WORLD MULTI-OPERATOR TWO TRANSMITTER

Station	160	80	40	20	15	10
FY5KE	178/16/54	899/25/94	1780/31/118	3064/36/138	3650/33/136	1047/22/99
PZ5K	114/14/31	838/25/92	2009/28/107	2795/32/128	3339/31/129	754/23/80
ZF1A	246/13/33	1279/22/90	2636/27/112	3031/30/115	2323/26/113	113/15/27
ED8W	89/12/40	601/22/86	1895/29/113	2330/31/118	1048/27/108	138/16/37
E17M	311/12/59	1178/19/85	2576/34/128	2724/36/128	1355/30/126	299/14/56

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

Station	160	80	40	20	15	10
D4C	589/19/79	1656/26/109	3246/34/138	4127/35/143	4252/36/159	1796/26/127
EF8R	614/17/78	1962/29/114	3271/32/134	4143/38/150	4299/38/155	1746/24/116
ON3A	360/13/65	1833/31/114	1837/32/122	3202/36/141	4062/38/155	1388/23/105
PJ4K	432/18/51	912/24/92	3882/31/130	3307/30/115	3443/30/132	868/21/64
PJ2T	414/19/49	921/22/83	2542/28/111	3119/27/110	2617/25/119	479/18/48

USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
N5DX	100/14/46	356/22/81	862/27/111	1443/26/104	590/23/90	46/9/17
W9RE	39/10/20	129/18/62	229/24/81	1048/28/109	473/20/86	58/9/16
W3PP	69/11/32	143/17/60	239/21/72	1320/26/107	195/20/73	22/8/14
N06T	28/12/15	113/22/44	805/30/75	650/28/101	322/23/64	120/16/28
K3ZO	24/7/12	156/18/64	315/23/84	572/26/99	439/17/72	36/7/12

USA SINGLE OPERATOR ASSISTED ALL BAND

Station	160	80	40	20	15	10
N3RS	52/13/37	206/20/82	263/23/91	879/28/119	524/24/104	71/13/29
AA3B	56/10/32	226/17/75	286/24/88	946/25/112	382/24/94	89/12/28
K3WW	73/15/40	263/21/79	248/24/92	832/27/111	428/23/98	61/12/28
AB3CX	24/6/10	189/17/70	378/22/86	483/30/113	560/24/108	54/9/18
K5TR	46/14/29	125/23/70	748/31/100	687/30/103	415/26/88	116/12/28

USA MULTI-OPERATOR SINGLE TRANSMITTER

Station	160	80	40	20	15	10
W3UA	35/14/28	299/21/96	537/25/102	1285/32/124	495/24/114	28/12/28
N4WW	60/14/43	252/21/90	393/26/101	1545/35/129	343/28/111	60/12/33
N1MM	30/10/26	266/19/76	335/22/95	1057/30/122	532/24/109	27/11/27
K8AZ	41/13/31	196/19/75	296/25/89	798/30/116	392/24/101	24/10/23
W1NA	29/10/25	218/18/76	247/22/86	859/24/111	246/21/81	12/7/12

USA MULTI-OPERATOR TWO TRANSMITTER

Station	160	80	40	20	15	10
KC1XX	62/18/48	751/25/103	1282/25/118	2415/34/134	1029/26/123	99/14/36
K2LE	56/11/24	290/21/83	495/25/100	1353/30/121	306/21/82	27/7/10
NV9L	106/14/30	3031/30/115	2323/26/113	113/15/27	377/24/98	30/10/15
K1KP	28/6/9	320/19/76	413/23/87	1235/25/111	409/23/92	16/5/7
NW1P	28/9/13	166/12/59	406/23/88	1365/26/112	370/22/100	4/2/3

USA MULTI-OPERATOR MULTI-TRANSMITTER

Station	160	80	40	20	15	10
W3LPL	370/19/64	727/24/101	1036/29/123	2529/37/142	1321/26/128	303/15/42
K3LR	456/21/60	714/26/102	1541/29/128	2482/36/149	1228/27/123	169/14/37
K1TTT	235/16/48	424/23/91	582/25/103	1671/29/124	610/26/105	154/12/33
K1KI	67/17/39	205/19/78	508/26/100	1094/32/123	698/25/112	57/8/21
K3EST	33/12/19	140/18/39	846/31/78	474/30/103	164/22/60	50/8/11

My Adventure at K8AZ

BY SCOTT DICKSON, W5WZ



Ken, KE3X, putting the K8AZ superstation to the test in their 2019 Multi-Single CQWW operation.

I made my 7th trip to Chesterland, Ohio to the fantastic station of Tom, K8AZ, for the 2019 CQWW SSB contest. Yes, it is a long drive — 16 hours or so. But the camaraderie with the gang makes it all worth it!

As usual, I spent some time on Friday helping Tom with various maintenance, repairs, or installations of new items. This trip was no exception. Many hands do indeed make light work.

It is Tom's custom to take a final pre-contest walk around the antenna farm. This time, we found the rope supporting the SW element of the 80-meter transmit 4-square had broken, and the result was a rope tangled up in the elements of several Yagis on a rotating tower.

In the waning daylight, we worked to free the rope from the tower. The rotating tower is dedicated to 15 and 20 meters, so we parked it toward Africa for the night. Once the rope was free, we managed to get it positioned so that the 80-meter antenna functioned for the overnight operating period.

On Saturday morning, it was raining — of course. The forecast called for increasing winds throughout the day and into the night. K8AZ and I ventured out with bow and arrow in hand to get a string over the appropriate tree. The first challenge was using a sling blade to clear walking paths and work areas in the raspberry thicket, then cross a creek to find the loose end of the rope. The second challenge was to place the string. Amazingly, the first shot was a success. Then after pulling up a larger string, up went the final rope. With the antenna repaired, we headed back to the house for a shower and join the real show — operating the CQWW.

EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
E7DX	212/10/51	1011/20/93	1341/29/109	2261/35/129	1067/33/121	292/14/57
CR6K	45/6/22	553/16/68	1206/22/84	2023/28/99	1619/28/101	504/17/73
UB7K	177/13/56	535/20/84	1432/32/116	2306/37/119	854/31/124	217/14/51
IR1G	124/7/41	697/13/69	993/24/95	1466/32/99	720/30/111	221/13/57
LY7Z	516/14/65	847/16/78	1187/30/114	1054/34/124	638/25/106	262/8/37

EUROPE SINGLE OPERATOR ASSISTED ALL BAND

EC2DX	115/9/44	666/20/92	1186/27/108	1393/36/125	1488/35/134	903/15/72
EF5Y	58/8/36	249/14/71	1018/28/104	1185/29/106	865/31/115	517/15/75
S57AL	164/9/52	585/17/78	844/30/111	1786/36/137	229/32/122	121/15/65
S53MM	150/11/52	396/18/88	890/31/125	1365/37/130	515/33/130	111/15/72
IB9A	148/7/42	235/15/74	426/22/93	1211/34/125	1171/28/133	379/15/66

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

IR4X	82/15/66	675/22/101	1616/35/144	2516/38/151	1561/37/147	140/18/88
LX7I	241/14/70	891/20/95	2050/33/134	2255/35/146	1194/32/142	131/15/73
LZ5R	121/12/54	875/29/110	1605/34/133	2894/37/146	1592/36/148	205/19/86
TM6M	87/11/54	829/19/94	1505/32/129	2523/38/144	1366/35/137	337/15/79
IR4M	63/12/63	469/23/104	1888/34/143	2300/36/150	1223/36/144	151/18/82

EUROPE MULTI-OPERATOR TWO TRANSMITTER

EI7M	311/12/59	1178/19/85	2576/34/128	2724/36/128	1355/30/126	299/14/56
9A7A	197/11/55	1324/19/94	2352/33/142	2004/36/135	1106/36/140	310/17/76
ED1R	251/14/71	768/18/88	1984/30/115	2014/35/134	1823/33/132	713/16/75
IIS2	187/11/56	936/16/76	1693/32/123	1934/36/133	1116/34/145	238/17/70
S53M	346/12/55	979/20/85	1666/32/122	1795/36/133	831/32/133	205/13/65

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

LZ9W	743/13/68	1837/31/120	2691/35/141	2750/36/143	1541/35/143	619/18/84
M6T	851/15/70	2077/27/113	3159/34/141	2143/38/141	1104/31/127	408/14/70
YT5A	462/12/61	1529/24/99	2506/35/140	2820/37/139	1614/33/139	617/17/86
DF0HQ	825/11/67	1724/24/102	2961/31/144	1804/37/142	1118/33/142	394/18/79
OT5A	779/14/64	1318/17/75	1952/30/121	1261/36/134	1048/32/135	265/14/61

Nearing sunset on Sunday night, we noticed that the 80-meter 4-square's SWR suddenly jumped to unacceptably high levels. Upon inspection, we discovered that the NE element had broken loose from the feed point. After hauling out a ladder and working beyond sunset, the repairs were made with 20 minutes left in the contest.

All this to say that serious contesting comes with its challenges. But, was it worth the hard work, runs through raspberry thickets, and panic antenna repairs in the rain? There is no doubt. Throughout the experience, I was able to visit with some of my closest friends including K8AZ, K8NZ, W8CAR, WT8C, AA8OY, K8RR, W8WWV, K8BL; ride in and drive a dual motor Tesla Model 3; meet KE3X and discuss contest strategy; and even work CN3A on 160 meters with my own call. None of these experiences will ever make the line scores in the results but they sure make the long drive worthwhile!

73, Scott W5WZ

Editor's Note: If any multi-op host wants the definition of an ideal guest operator, Ron, K8NZ, pointed out that Scott, W5WZ, took Thursday, Friday, and Monday off work to "relax and have fun." After driving non-stop for 16 hours to get to K8AZ, he installed computer monitors, changed out two light fixtures, repaired a third, carried groceries down to the operator lounge, took out the trash, washed dishes, worked most of Saturday afternoon in the rain to repair a 4-square support rope, then worked in the dark Sunday evening to repair an 80-meter vertical feed point, and made a few QSOs too. Then on Monday morning at six, departed to drive 16 hours non-stop to get back home. Is that dedication or insanity? You be the judge!

TOP SCORES IN VERY ACTIVE ZONES

Zone 3

NO6T (KI6RRN @WA6TQT)	2,184,660
K6XX	1,419,072
K7RL	965,472
VE7UF (VE7JH)	725,052
NX1P	462,480

Zone 4

XL3A (VE3AT)	4,991,880
W9RE	2,451,225
VE5MX	1,757,150
K5GN	1,532,634
K4AB	1,354,548

Zone 5

VY2TT (K6LA)	5,377,272
N5DX (@N2QV)	5,350,590
W3PP (AA1K)	2,409,647
K3ZO	1,853,082
*VA2EW	1,655,374

Zone 14

CR6K (CT1CJJ)	6,806,352
DJ5MW	3,461,315
ED3X (EA3QP)	3,136,999
MD4K (G3NKC)	2,654,400
G6XX (G4FAL)	2,557,256

Zone 15

E7DX (E77DX)	7,203,476
IR1G (IZ1LBG)	4,142,319
LY7Z	4,051,824
S50A	2,787,176
*IW1FRU	1,694,117

Zone 16

UB7K	5,658,943
R2AA	3,588,684
EW6W	3,095,484
UW2M (UR0MC)	1,982,472
US5D (UT7DX)	1,540,842

Zone 20

4X6FR	5,021,640
YPOC (YO3CZW)	2,210,124
4Z5LY	1,665,333
*4X0T (4Z5FI)	1,548,749
YO9HP	1,481,181

Zone 25

JH4UYB	2,774,236
JE6RPM (JH5GHM)	1,852,616
JR1GSE	396,480
JA2AXB	387,138
*JH1EAQ	387,056

*Low Power

by category and continent. Perhaps surprising to some, the total number of assisted entries actually dropped this year when compared to 2018 (36% vs. 41%). With conditions being what they were, one might expect the opposite to happen but it was simply not the case. Indeed, the debate over combining the SOAB and SOAB(A) categories will continue.

How Much Time Did You Operate in the CQWW?

There is the normal contester (operates 10 high-quality hours and represents 77% of all entries) and then there are those who are in a class by themselves (eight dedicated ops who operated the full 48 hours, see Table 3). Although the median operating time is actually 9.6 hours, there remains a healthy number of WW participants (nearly 18%) who put in

Op time (hours)	Total	% of all
0-5	1239	26.2%
5.1-10	1196	25.3%
10.1-15	817	17.3%
15.1-20	568	12.0%
20.1-25	384	8.1%
25.1-30	227	4.8%
30.1-35	140	3.0%
35.1-40	81	1.7%
up to 41	16	0.3%
up to 42	14	0.3%
up to 43	7	0.1%
up to 44	12	0.3%
up to 45	12	0.3%
up to 46	6	0.1%
up to 47	3	0.1%
up to 48	8	0.2%

Table 3. Operating time analysis for 2019 CQWW SSB Contest SOAB entries.

20-40 hours, so no fear; the WW is a contest in which you will not run out of people to work.

Click, Call, Enter – Some Comments about Spotting Errors

One of the great things about contesting is the use of technology to supplement our individual contest efforts. Most people don't even remember logging on paper using a pencil or keeping a manual dupe sheet. Or if you do remember, you recall those days with a shudder.

One of the more popular available technologies to select as

a CQWW competitor is the use of DX spotting assistance (Assisted in CQWW or Unlimited in other contests). This sure can be a great way to help to boost multiplier totals. And, while we would like to believe that all of the information delivered by DX spotting is 100% accurate, that is simply not the case.

In looking at the top-20 most busted spots during the 2019 CQWW SSB contest, 583 bad QSOs were logged based on inaccurate information being displayed on the operator's computer screen. For example, the repeated erroneous spotting of PR5T (the actual call was PR4T) resulted in competitors logging the incorrect PR5T call a total of 137 times.

The guidance for this topic is simple: Only use spotting when

The Best "Old Man" Contester, Pier Paolo, I1RB

BY STEFANO BRIOSCHI, IK2QEI



A 27-year-old I1RB ready to roll in the 1949 CQWW contest!

Some of you may have worked Pier Paolo, I1RB, in last year's CQWW or perhaps at other times in the past. Whether you realize it or not, you made a very special QSO. CQWW Committee member Stefano Brioschi, IK2QEI, sat down with Pier Paolo and shares the following with all of us:

Let me begin with some background. My name is Pier Paolo and I was born in Biella, Italy on May 12, 1922. At the young age of only six years old, I became passionate about radio, listening to the inauguration of radio broadcasts in Italy for the first time through the headphones of a receiver built by my cousin.

The years of my youth were spent in school where I was a competitive runner (110m hurdles and as well as playing basketball) and during my free time I was often with my cousin and his ham radio setup in his radio-engineering laboratory. This location was often frequented by several other guys from Biella, and it was there that I learned the rules of construction and how to build and repair radio equipment.

At 17 years old, I built a super-regenerative transceiver for the 5-meter band and as a "pirate" made my first contact. Now the bug to become a ham became real. As a result, I can claim that I've been a radio technician since 1939. And, because of my newly developed skills, I was called into military service at the end of the 1940s in particular because I had become a



Pier Paolo, I1RB, today just as excited to operate in contesting as he was in 1949.

specialist in radio devices. Assigned to a department located in Turin, I became "Marconista," eventually passing my technical qualifications to work at the Radio di Armata laboratory.

I have lived in Turin since 1943, where I got married in 1945, starting my working life and family where we had a son and daughter and four grandchildren. Unfortunately in 2012, our son Gian Carlo, I1RBJ, became a silent key. In July of this year (hoping that the good Lord will grant it to us), I will celebrate 75 years of marriage.

And, now some answers to questions that may be on your mind.

When did you actually get your amateur radio license?

My first license and radio activity started at the end of August 1945 with the assignment of construction and maintenance of transceiver stations for the Turin Police. I was issued the I1RB callsign by the Allied Command.

What was your first contest? How did you get involved?

I became passionate about contests in 1948 operating a bit in the CQWW, discovering how easily a contact could be made. I had also been an active DXer (in fact my first DXCC certificate, No. 208 dates back to March 1950). With the experience of the 1948 contest, I promised myself to prepare for the next year and my participation in the 2nd CQWW contest

you have entered the assisted category and, when you work a spotted station, listen to ensure you have the callsign correct. A more detailed blog will be forthcoming on this topic that you can read at <http://cqww.com/blog>.

Some Operating Advice

There is one area of concern that I want to warn everyone about — operating “out of band” (OOB). While it’s been customary for stations to legally operate on frequencies such as 14150.6 kHz or 7128 kHz in the U.S., crowding band edges is a growing problem, especially on the high end of 20 meters and the low end of 40 meters. The same concern exists for

took place with an excellent result for those days: 124K points, placing sixth in the world, SSB Single Operator, All Bands.

What equipment / antennas did you use in the early days of your contest career?

My station at the time was a homebrew transmitter consisting of a VFO, a duplicator stage, and an amplifier that drove an 813 power amplifier modulated by an excellent push-pull 211 final. The antenna was a simple dipole above the roof of a three-story building and as well as a Zeppelin. The receiver was a surplus Hammarlund Super Pro military unit.

During the 1949 CQWW contest, I have a very vivid memory. I had built a very efficient 10- and 20-meter rigid dipole antenna made from aluminum tubing. To change bands, however, I had to physically lengthen or shorten the antenna. Imagine how many times I ran up to the roof during the 48-hours of the contest to change bands.

What do you like / dislike about contesting today or what advice would you give to today’s contest operators?

I like today’s contests for the simplicity in tuning and finding new stations to work, the ease in making QSOs, and of course computer logging that confirms contacts with extreme speed. I don’t feel that I can give any advice to today’s operators as they are more competent than me, but I would advise someone to make sure they correctly copy callsigns, make short QSOs, and be sure to repeat their call after each QSO (*there is actually some very sage advice in Pier Paolo’s comments –JD*).

Did / do you have any contest heroes?

One of the amazing operators in my day was James, PY2CK. As I look at today’s group, I admire the very efficient American and Russian teams who produce impressive effort and scores.

Do you have any special memories of your contest experience?

I would like to return to the contests and radio activity of the 1940s / ‘50s. We were a large group of friends spread across various parts of the world, which included some incredible technicians and where we exchanged various experiences in all fields. It was really an amazing and beautiful time.

Anything else that our readers would find interesting/unique about your long contest career?

My interest in contests is always the same, every time I start one I feel the same pleasure I had when I sprang from my starting bracket for a 110m obstacle race in the 1930s. Today, I’m active on HF, running a barefoot station with a TS-850 Kenwood and Mosley TA-33 antenna and a long wire. I’m still interested testing modern radios and enjoying new experiences.

I hope that my call will be found in your logs in the upcoming years. Hopefully, you now understand that my spirit is that of a 20-year-old avid contester, who happens to be turning 98 this year!

– Thanks to all, 73 and Ciao from Italy, de Pier Paolo 11RB



Emily, BU2BE, who scored a perfect “golden log” in the 2019 CQWW SSB contest.

stations calling CQers outside of their band allocations (spotted or otherwise). In the 2019 SSB contest, we observed, via SDR recordings, 106 cases of violations that occurred more than five times from the same station. Any log that contained OOB QSOs lost those contacts.

The guidance in this area is simple — pay attention to your frequency when you jump on a spotted station and do not operate out of the band (e.g., 14349 kHz in the US or 1809 kHz in parts of Europe). Hopefully I’ll be able to report a significantly reduced number of OOB violations next year.

And, Finally...

I only get two opportunities a year to publicly share my gratitude for the incredible work and dedication that is shown by my amazing team of CQWW Contest Committee members (SSB and CW results). This team is the best in all of contesting. I often imagine what it would be like to assemble each member at a large multi-multi operation somewhere on the globe. What an event that would be. So, to all of you, and on behalf of the contest community, thank you for making the CQWW contest the best operating event on Earth and more importantly, being part of producing accurate and fairly-scored results. Our members include the following: CT1BOH, José Nunes; EA4KD, Pedro Vadillo; ES5TV, Tonno Vahk; F6BEE, Jacques Saget; GØMTN, Lee Volante; HA1AG, Zoli Pitman; IK2QEI, Stefano Brioschi; JH5GHM, Katsuhiro (Don) Kondou; K1DG, Doug Grant; K1EA, Ken Wolff; K3LR, Tim Duffy; K3WW, Charles Fulp; K3ZO, Alfred A. (Fred) Laun, III; K5ZD, Randy Thompson; KR2Q, Doug Zwiebel; LA6VQ, Frode Iglan; LU5DX, Martin Monsalvo; N8BJQ, Steve Bolia; OH6LI, Jukka Klemola; PA3AAV, Gert Meinen; RA3AUU, Igor (Harry) Booklan; S5ØA, Tine Brajnik; S5ØXX, Kristjan Kodermac; UA9CDC, Igor Sokolov; VE3EJ, John Sluymmer; VK2IA, Bernd Laenger; YO3JR, Andrei (Andy) Ruse; YU1EW, Zoran Mladenovic.

– See you in October!
73, John, K1AR

(Scores on page 95)