

Results of the 2020 CQWW WPX CW Contest

BY BUD TRENCH, AA3B

“Great propagation for zero sunspots. Ten and 15 meters were open long into darkness”

– Zlatko, 9A2EU

After a quiescent period of 925 days, an M-class solar flare occurred on May 29th, 2020, peaking at 07:24 UTC. This event was likely a thrill for space weather enthusiasts as it potentially represented the first M-class flare of the new Sunspot Cycle #25. This enthusiasm was not shared universally, though, as the timing of the flare just 16 hours prior to the start of CQWW WPX CW left many contestants wondering what else could go wrong in 2020.

“Wow...wall to wall chaos. Busiest contest I have ever seen” – Stephen, AA4TI

Erratic, Sporadic, and Ecstatic

The effects of the solar flare were noted by many participants in their after-action reports. Fortunately, the sun and ionosphere decided to cooperate in the form of widespread sporadic-E (E_s) skip over many locations around the globe, spawning hours of ecstatic contact production on 10 and 15 meters. Analysis of submitted logs show that 10-meter QSO totals doubled as compared to 2019, despite being at the solar minimum.

The erratic aftermath of the flare, with its associated radio blackout, did not deter WPX competitors. COVID-19 stay-at-home guidelines, coupled with WPX landing on a non-holiday weekend in the U.S., undoubtedly stimulated the record levels of participation witnessed in 2020. The number of logs received was up by nearly 1,500 as compared to 2019 (previous record), with dramatic growth seen in Europe and North America.

“Fantastic weekend of CW contesting. Propagation took several interesting turns and there was almost always something to work”– Nate, AJ3AA (N4YDU)

Achieving the Top at the Bottom of the Cycle

LZ5DB, operating at LZ5R and using two radios, applied his superb skills to win the Single-Op All-Band High Power category. Milen’s record hourly QSO production was on par with several multi-operator competitors. Second place went to KP2M (KT3Y), who unequivocally demonstrated that a single radio, operated remotely, can generate eye-popping results. TI7W (N3KS) took third place due to Kam’s impressive showing on the QSO point-rich 40-meter band. The top U.S. result was achieved by KC1XX (WA1Z), which also placed Bob at fourth in the world.

In Single-Op Low Power, 3V8SS (KF5EYY) was the winner, which was powered by Ash’s performance on 15 and 10

meters. The race for second and third place between 8P5A (W2SC) and WP4X (NP4Z) was close, with 8P5A coming out on top thanks to Tom’s logging accuracy. NR4M (NN3W) had originally planned to do a multi-op effort, but COVID-19 concerns caused him to regroup; this was fortunate as it empowered Rich to achieve the best Single-Op Low Power outcome in the U.S.

The battle between the top four in the Single-Op QRP category was heated. When the dust settled, DG3T (DR5RF) took the prize, with KR2Q, who mounted his first serious WPX CW entry in a dozen years, earning second place. The dogfight for third place was a cliffhanger with KA1IS’s emphasis on working higher valued QSOs being the discriminator over LY5G.

The top three contenders in the Assisted category had nearly identical QSO tallies, but that is where the similarity ended. Congratulations to Bernd, DL6FBL, on his massive multiplier count, which propelled him to a first-place finish. AA3B’s focus on DX resulted in a new North American record



3V8SS (KF5EYY) on his way to the top scores in both the Low Power and Tribander / Wires categories.

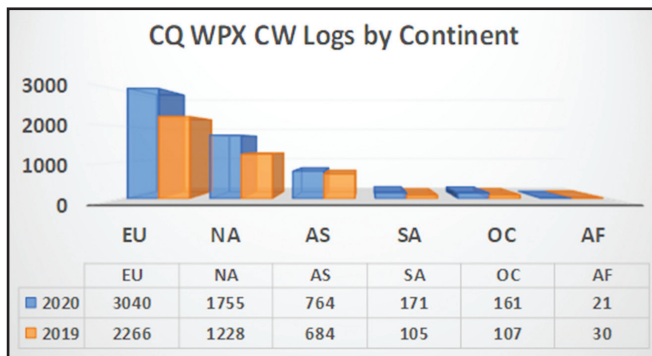


Figure 1. Record WPX CW participation levels by continent.

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and a second-place finish. SN7Q (SP7GIQ) beat his previous personal high score by over 2 million points to take third place.

P3AA's (RN3QO) DX productivity was the key to his big win in the Low Power Assisted Category. SN7O (SP7IVO)

nudged out OR2F to take second place, despite OR2F's outstanding log accuracy. KQ1F (K1XM) was the only US station to place in the top 10 for this category.

DM2M (DK3WE) owned the Single-Op Assisted QRP category, scorings nearly twice the number of points of his clos-



G3XTT slugging it out in the hyper-competitive 80-meter Single-Op category.



DM2M (DK3WE) recorded the highest score ever achieved in the QRP Assisted category.

2020 CQWW WPX CW TOP SCORES

WORLD

Single Op All Band High Power LZ5R (LZ5DB)16,505,720 KP2M (KT3Y)15,544,760 T17W (N3KS)14,713,440 KC1XX (WA1Z)14,459,579 CR6K (CT1ILT)12,526,650	Single Op 7 MHz Low Power RX9AF1,981,044 LA2AB (LA7MFA)1,419,890 UR5WCQ1,065,636	Single Op 1.8 MHz High Power Assisted SN1W367,992 DR5X (DL8LAS)337,483 OM2XW314,055	LY5G1,215,520 N9SE784,744	Single Op 28 MHz High Power LZ9A950,352 YU7EE924,753 E77A831,864	Single Op 3.5 MHz Low Power F1AKK1,255,815 SN8T (SP8BVN)1,121,296 LY5I832,007	Single Op All Band Low Power Assisted P3AA (RN3QO)8,127,184 SN7O (SP7IVO)5,380,368 OR2F5,304,255 OM3RM5,293,455 UZ3A (UX1AA)5,162,150	Single Op 21 MHz QRP Y03DAC92,379 MSØSFB (GM4UBJ)39,270 JR1NKN12,555	Single Op 3.5 MHz QRP Assisted OL4W (OK1IF)738,920 OK1QM435,420 OH4X (OH5BM)352,165
Single Op 21 MHz High Power PX2A (PY2EX)2,985,900 ZY5T (PP5KR)2,394,760 9A4W1,726,656	Single Op 1.8 MHz Low Power LY4ZZ (LY2BMX)240,024 DQ75ØKL (DL6KWN)106,169 ER1OO99,072	Single Op 28 MHz Low Power Assisted SN1T (SP1NQN)671,962 YO5OHO523,152 TO1A (F6FVY)506,850	Single Op 14 MHz QRP UN4L1,326,423 DK7HA698,232 SP1C350,403	Single Op 7 MHz QRP YP6C (YO6LB)1,208,870 E77T250,800 OK6OK218,400	Single Op 1.8 MHz QRP Assisted OL1A (OK1CW)185,832 HA8BE142,922 OH1RX40,788	Single Op 21 MHz Low Power Assisted YT7AW989,310 YT9W954,952 IK4DCX550,676	Single Op 7 MHz QRP YF5YTT295,728 SP8OOE61,070 IK5TBK41,313	Multi-Single High Power UP2L20,927,979 P33W19,472,310 9A7A16,765,920 HG6N14,761,817 DM1A14,272,713
Single Op 14 MHz High Power D4Z (IK2NCJ)7,422,162 OH8X (OH6UM)6,543,592 TM29X (F5MUX)5,650,332	Single Op All Band High Power Assisted DL6FBL13,661,460 AA3B13,032,136 SN7Q (SP7GIQ)12,479,936 IR1G (IZ1LBG)11,704,210 VE3JM11,695,403	Single Op 14 MHz Low Power Assisted CN8KD1,580,256 IF9A (IT9PPG)1,536,050 HG6V (HA6IAM)1,396,500	Single Op 1.8 MHz QRP DL1EFW72,446 S53AR40,920 HA1TI30,976	Multi-Single Low Power 9A7T5,962,818 CG9ML4,585,648 LY2J3,888,053 YR8D3,406,203 E7CW3,243,778	Single Op 28 MHz QRP Assisted DM2M (DK3WE)3,012,252 YT2T1,557,300 LZ73TRC (LZ1YE)1,369,095 IZ8JFL1,339,860 DL8TG842,352	Single Op 21 MHz High Power Assisted IO4X (IK4ZGO)3,168,828 G8X (G4FJK)2,847,390 ED1R (EA4AOC)2,648,640	Single Op 3.5 MHz QRP M5W (MØHMJ)135,184 Y08WW78,975 EA3CX61,065	Multi-Two OM7M26,512,962 LX2ØI23,759,085 HG7T19,140,600 UB6B16,333,942 YT9X16,160,802
Single Op 7 MHz High Power ED5R (EA5EL)4,651,196 LZ1EV4,260,351 YT7WM3,874,668	Single Op 14 MHz High Power Assisted 9A5W3,532,100 HG1S (HA1DAE)2,130,100 UW4E (UR7EU)1,712,968	Single Op 7 MHz Low Power Assisted IO4X (IK4ZGO)3,168,828 G8X (G4FJK)2,847,390 ED1R (EA4AOC)2,648,640	Single Op 28 MHz QRP Assisted M5W (MØHMJ)135,184 Y08WW78,975 EA3CX61,065	Multi-Multi LZ9W33,643,680 WW1X29,604,243 YT5A29,115,884 OE2S9,669,348 NR6O8,567,702	Single Op 3.5 MHz High Power Assisted 9A9A8,732,394 RK7A (R3FA)6,596,929 YT3X6,449,625	Single Op 1.8 MHz Low Power Assisted 9A2X1,117,260 LY1DZ1,115,978 3ZØX914,667	Single Op 21 MHz QRP Assisted HG3IPA (HA3JB)194,552 S51Z139,195 M6W (G3WW)135,900	Rookie High Power RU8T2,529,792 IU1LCU1,902,516 VK2PW776,785 AK1MD636,267 WØAAE604,219
Single Op 3.5 MHz High Power OK7W1,843,974 G3XTT1,427,382 4L2M1,301,880	Single Op 21 MHz Low Power Assisted SN3A (SQ2GXO)8,756,660 S52AW6,892,410 S51YI6,744,936	Single Op 1.8 MHz QRP 9A2X1,117,260 LY1DZ1,115,978 3ZØX914,667	Single Op 14 MHz QRP Assisted UT1DX372,354 ON3DI296,840 DJ2SX228,172	Rookie Low Power IUØKTT445,878 K2PJC385,616 E29TGW310,024 NBJLM290,160 SP5WAZ258,464	Single Op 14 MHz High Power Assisted 9A9A8,732,394 RK7A (R3FA)6,596,929 YT3X6,449,625	Single Op 7 MHz High Power Assisted SN3A (SQ2GXO)8,756,660 S52AW6,892,410 S51YI6,744,936	Single Op 3.5 MHz Low Power Assisted 9A2X1,117,260 LY1DZ1,115,978 3ZØX914,667	
Single Op 21 MHz Low Power FY5FY2,593,248 HC2AO1,215,786 LZ9V323,950	Single Op 3.5 MHz High Power Assisted HG5A (HA5IW)1,758,750 S54ØØJ (S57WJ)1,709,878 RW2F (RA2FA)1,705,704	Single Op All Band QRP DG3T (DF5RF)1,483,119 KR2Q1,348,490 KA1IS1,270,542	Single Op 7 MHz QRP Assisted RD1A566,525					

est competitor, YT2T. Europe dominated this category and was the source of all top 10 QRP Assisted winners.

Frequency Specialization Obsession

Using the potent array of low-band antennas at OL7M, two separate single-band victories were earned by OK6W (OK1MU) on 160 meters and OK7W on 80 meters. OL1A (OK1CW) extended his winning streak in the 160-meter Assisted QRP category to eight consecutive years. OL4W (OK1IF) won the 80-meter Assisted QRP category for the third time in a row, while YT5YTT achieved back-to-back wins in the 80-meter QRP competition. SN3A (SQ2GXO) moved up from second place last year to take the 40-meter Assisted honors this year. The 20-meter Assisted Low Power results were very close with CN8KD prevailing. FY5FY outpaced the field in the 15-meter Low Power fray by scoring nearly twice as many points as his closest competitor. MC2I (GW4FRE) decided to do a quick check to see if the band was open and then went on to log nearly 1,000 QSOs to take the top spot in 10-meter Low Power competition.

The best U.S. single-band placements were achieved on 20 meters with W2AW (N2GM) taking that band's Low Power bragging rights. George was also the only operator from North America to be first in the world in a single-band category.



KV2K (K2NG) had the best U.S. 20-meter Assisted result. All that gear to support only two radios?

Classic High Power
4X6FR.....11,443,040
ZM1A (ZL3CW).....9,622,340
DQ4Q (DK8ZB).....7,803,808
MX7DX (M0UNN/ LY4Y).....7,269,127
UA5C.....6,896,169

Classic Low Power
IQ8SN (IZ8FWN).....5,096,656
LY9A.....4,085,100
5Q6EE (OZ2I).....2,953,903
TA7I.....2,778,240
R2HM.....2,571,516

Tribander/Single Element High Power
EF8R (EA8RM).....11,293,996
R8TT.....8,524,304
YT6W.....8,372,936
HG1A (HA1ZN).....6,143,550
YL2VW.....5,756,819

Tribander/Wires Low Power
3V8SS (KF5EYY).....7,500,825
OR2F.....5,304,255
CT3KN.....4,489,804
IO4T (IK4VET).....4,426,114
DK3WW.....4,356,335

UNITED STATES

Single Op All Band High Power
KC1XX (WA1Z).....14,459,579
N5DX.....12,281,535
AK1W (K5ZD).....10,364,643
KD4D.....9,229,344
NU5A (K5GN).....9,058,860

Single Op 28 MHz High Power
NA4W (K4WI).....155,364
WB8WQK.....30,960

Single Op 21 MHz High Power
WB5VZL (K5TR).....672,128
NA4RR (N4OX).....657,756
KZ5J.....146,060

Single Op 14 MHz High Power
KU2M.....3,750,366
KM7W (N6TR).....3,207,939
K8GL.....2,639,714

Single Op 7 MHz High Power
K2SSS.....3,201,832
NQ2F.....2,509,992
WG3J.....1,031,358

Single Op 3.5 MHz High Power
W3LL (WB4FDT).....485,273
W3BGN.....437,241
K8PK.....245,632

Single Op All Band Low Power
NR4M (NN3W).....5,434,726
KM1W (W1UE).....5,098,080
NB4N (N9NB).....4,682,860
KD5DD (N4OGW).....4,031,160
KU1CW.....2,955,818

Single Op 28 MHz Low Power
AE0EE.....2,508
WB8JAY.....2,268

Single Op 21 MHz Low Power
AC9PG.....26,880
N6RM.....17,325
K5IX.....3,536

Single Op 14 MHz Low Power
W2AW (N2GM).....1,149,336
N8II.....1,073,366
WB4TDH.....770,560

Single Op 7 MHz Low Power
W2EG.....455,851
W2AAB.....450,192
W3EF.....396,884

Single Op 3.5 MHz Low Power
K9UIY.....102,207
N7NWL.....4,788
N4OO.....2,625

Single Op All Band High Power Assisted
AA3B.....13,032,136
K1ZZ.....11,188,724
WW2Y (N2NT).....9,612,176
AB3CX.....8,154,968
W2GD (@K8AZ).....8,028,108

Single Op 21 MHz High Power Assisted
WN1GIV (N4BP).....710,000

Single Op 14 MHz High Power Assisted
KV2K (K2NG).....5,731,744
NN3L (N3RS).....4,843,440
WB9Z.....3,075,996

Single Op 7 MHz High Power Assisted
KT3M (N3AD).....4,227,900
KT4RR (W5MX).....2,085,860
WF7X (N7TY).....1,757,640

Single Op 3.5 MHz High Power Assisted
KZ7X (W6RW).....362,616
NJ3I.....237,162
W5RZ.....1,734

Single Op 1.8 MHz High Power Assisted
N7GP.....4,416
K3TW.....2,457

Single Op All Band Low Power Assisted
KQ1F (K1XM).....4,892,184
K7SV.....3,352,800
NE9U.....2,295,675
KE3X.....2,279,970
K4OAQ.....1,998,080

Single Op 28 MHz Low Power Assisted
KT3Q.....3,800

Single Op 21 MHz Low Power Assisted
KO3T.....23,001

Single Op 14 MHz Low Power Assisted
N2BA.....1,277,199
AB1J.....364,936
K7SS.....335,392

Single Op 7 MHz Low Power Assisted
K9WX.....395,975
AA4NP.....342,804
WA2JQK.....142,266

Single Op 3.5 MHz Low Power Assisted
A1TT (W1WBB).....143,775
N3AC.....86,975

Single Op All Band QRP
KR2Q.....1,348,490
KA1IS.....1,270,542
N9SE.....784,744
W1FJ.....609,760
W7YAQ.....419,252

Single Op 21 MHz QRP
WE6EZ.....6,552
WA6FGV.....5,643
AE1P.....1,440

Single Op 14 MHz QRP
W2VRK.....46,112
K5WX.....13,056
KC4IM.....11,481

Single Op 7 MHz QRP
WA2NYY.....2,100

Single Op 1.8 MHz QRP
AA1K.....2,628

Single Op All Band QRP Assisted
KR4AE.....170,038
W4QO.....119,184
K8ZT.....50,065
N4TOL.....43,368
WC7S.....31,280

Single Op 14 MHz QRP Assisted
N3HCN.....227,052

Single Op 7 MHz QRP Assisted
KJ5T.....4,067
KO4AWC.....1,118

Single Op 3.5 MHz QRP Assisted
KD2BGM.....8,023

Multi-Single High Power
KX7M.....5,241,492
KT6V.....4,989,864
KY7M.....4,597,250
KT7E.....3,195,195
AG3L.....3,144,908

Multi-Single Low Power
AB9YC.....915,382
W0M.....136,305
KA9VVQ.....28,426
WV1M.....21,528

Multi-Two
N4WW.....13,905,255
KE1J.....12,386,574
KG0F.....9,902,970
KW1K.....8,318,823
KC7V.....7,128,927

Multi-Multi
WW1X.....29,604,243
NR6O.....8,567,702
W1CSM.....1,921,155
N1SOH.....239,250

Rookie High Power
AK1MD.....636,267
W0AAE.....604,219
K6KM.....260,420
NA6US.....92,442
KB2S.....9,435

Rookie Low Power
K2PJC.....385,616
N8JLM.....290,160
W4IPC.....233,550
AA0O.....43,851
KM3A.....19,511

Classic High Power
WM3T (W2RU).....4,092,800
KU8E.....2,469,768
WU3A (W3UA).....1,680,384
W9WI.....1,654,848
K5RX.....1,575,370

Classic Low Power
NN1C.....1,273,076
N8II.....1,073,366
KV8Q.....671,163
N7ZZ.....654,500
N2EM.....554,182

Classic Multi- Op Single Transmitter High Power
YL7X.....10,519,740
9A0AA.....6,519,740

Classic Multi-Op Single Transmitter Low Power
YU1ANO.....1,223,568
AB9YC.....915,382

Tribander/Single Element High Power
N3QE.....5,511,009
K1AR.....4,684,080
WN2O (N2GC).....4,310,928
NN5J (K5GO).....3,614,556
NC8C (K8MR).....3,551,328

Tribander/Single Element Low Power
NE9U.....2,295,675
KE3X.....2,279,970
KG9X.....2,054,025
NS4T.....1,572,636
KZ1M (W1EQ).....1,570,707

Frankford Radio Club brethren KV2K (K2NG) and NN3L (N3RS) both achieved top ten standings in the 20-meter High Power Assisted outcomes, as did N2BA in the 20-meter Low Power Assisted category.

All for One — Together or Apart

The number of multi-operator entries was down by 34% as compared to 2019, presumably because of COVID-19 social-



J42L (SV2DSJ) took the top score in Single-Op High Power Assisted from Greece.



UP2L was number one in the World in Multi-Op Single Transmitter High Power.

9A7A was the winning team from Europe in the Multi-Op Single Transmitter category.



distancing guidelines. The Multi-Multi category was particularly impacted, with the number of logs reduced by half from last year. The LZ9W team achieved its best score ever to win the Multi-Multi category. The all-remote operation from WW1X set a new U.S. Multi-Multi record and placed second overall. The OM7M crew was the premier Multi-Op Two Transmitter operation, setting a new European record. Congratulations to the teams at UP2L and 9A7T for winning the Multi-Op Single

2020 CQWW WPX CW PLAQUE WINNERS AND DONORS

SINGLE OPERATOR ALL BAND

WORLD: High Power: Steve Bolia, N8BJQ Plaque. Won by: **LZ5R** (op. by Milen Dimov, LZ5DB)
WORLD: Low Power: Caribbean Contesting Consortium Plaque. Won by: **3V8SS** (op. Ashraf Chaabane, KF5EYY)
WORLD: QRP: Bill Parker, W8QZA Plaque. Won by: **DG3T** (op. Gernot Trautmann, DF5RF)

USA: High Power: Dennis Motschenbacher, K7BV Plaque. Won by: **KC1XX** (op. Robert Raymond, WA1Z)
USA: Low Power: Ken Boasi, N2ZN Plaque. Won by: **NR4M** (op. Richard DiDonna, NN3W)
USA: QRP: John T. Laney, K4BAI Plaque. Won by: **Douglas Zwiebel, KR2Q**
USA Zone 3 High Power: Northern California Contest Club Plaque. Won by: **NO6T** (op. Axel Bruderer, KI6RRN)
USA Zone 3 Low Power: Arizona Outlaws Contest Club Plaque. Won by: **Alex Tkatch, KU1CW**
USA Zone 4 High Power: Jerry Rosalius, WB9Z and Val Hotzfeld, NV9L Plaque. Won by: **NU5A** (op. David McCarty, K5GN)
USA Zone 4 Low Power: Jerry Rosalius, WB9Z and Val Hotzfeld, NV9L Plaque. Won by: **KD5DD** (op. Torsten Clay, N4OGW)
USA Zone 5 High Power: Steve Narducci, W9SN Plaque. Won by: **Kevin Stockton, N5DX***

EUROPE High Power: Ivo Pezer, E73A/9A3A Plaque. Won by: **CR6K*** (op. Filipe Monteiro Lopes, CT1ILT)
EUROPE Low Power: Vitor Santos, PY2NY Plaque. Won by: **Slava Zhuk, US2YW**
EUROPE QRP: Bruce Olney, WY7N Plaque. Won by: **Vitas Krasnickas, LY5G***

AFRICA: Chris Terkla, N1XS Plaque. Won by: **EF8R** (op. Juan Hidalgo, EA8RM)
ASIA: Rick Tavan, N6XI Plaque. Won by: **Zvi Stessel, 4X6FR**
NORTH AMERICA (Outside US and Canada) High Power: Louisiana Contest Club Plaque. Won by: **KP2M** (op. Philip Allardice, KT3Y)
NORTH AMERICA (Outside US and Canada) Low Power: Dick Green, WC1M Plaque. Won by: **8P5A** (op. Tom Georgens, W2SC)
NORTH AMERICA (Outside US and Canada) QRP: Dale Martin, KG5U Plaque. Won by: **Edibel Frias Mesa, CM3EFM**
SOUTHERN CONE (CE CX LU) Low Power: LU Contest Group Plaque. Won by: **Oscar Vais, LU6OA**
OCEANIA High Power: Lloyd Cabral, KH6LC Plaque. Won by: **ZM1A** (op. Jacky Calvo, ZL3CW)
OCEANIA Low Power: Wes Printz, W3SE / ZL3SE Plaque. Won by: **Kent Carlson, KH6CJJ**
CANADA High Power: Radio Amateurs of Canada (RAC) Plaque. Won by: **CJ3A** (op. Ron Vander Kraats, VE3AT)
CANADA Low Power: Contest Club Ontario Plaque. Won by: **Bob Schofield, VE1RSM**
JAPAN: Wes Printz, W3SE / ZL3SE Plaque. Won by: **Masaki Okano, JH4UYB**

SINGLE OPERATOR, SINGLE BAND

WORLD 28 MHz: Oliver Droese, DH8BQA Plaque. Won by: **Andrey Sachkov, LZ9A**
WORLD 28 MHz Low Power: Six Stars Contest Station LS1D Plaque. Won by: **MC2I** (op. David Robinson, GW4FRE)
WORLD 14 MHz: Gene Walsh, N2AA Memorial (by K2SS, K2TW, KR2Q, W2RQ, NN4X) Plaque. Won by: **D4Z** (op. Luca Aliprandi, IK2NCJ)
WORLD 7 MHz: Tennessee Contest Group Plaque. Won by: **ED5R** (op. Eugene, EA5EL)
WORLD 3.5 MHz: Ranko Boca, 4O3A Plaque. Won by: **Stanislav Kostal, OK7W**
WORLD 1.8 MHz: Dusko Dumanovic, ZL3WW Plaque. Won by: **OK6W** (op. Pavel Prihoda, OK1MU)
USA 21 MHz: Charlie Wooten, NF4A Plaque. Won by: **WB5VZL** (op. George Fremin III, K5TR)
USA 14 MHz: Kansas City DX Club Plaque. Won by: **Peter Bizlewicz, KU2M**
USA 7 MHz: Darin Divinia, WG5J Plaque. Won by: **Zeljko Zee Replc, K2SSS**
USA 3.5 MHz: Wes Printz, W3SE / ZL3TE Plaque. Won by: **W3LL** (op. Phillip "Pip" Sager, WB4FDT)
EUROPE 21 MHz: Vince Weal, K4JC Plaque. Won by: **Tomislav Kelava, 9A4W**
EUROPE 3.5 MHz: Ranko Boca, 4O3A Plaque. Won by: **Don Field, G3XTT***

SINGLE OPERATOR ASSISTED

WORLD: D4C Monteverde Contest Team Plaque. Won by: **Bernd Och, DL6FBL**
USA: Ron Sigismoniti, N3RS Plaque. Won by: **Bud Trench, AA3B**
USA Zone 4: Jerry Rosalius, WB9Z and Val Hotzfeld, NV9L Plaque. Won by: **John Crovelli, W2GD**



Two Single-Band wins and a new 160-meter Single-Band record earned from the OL7M QTH. Congratulations to OK6W (OK1MU) on 160 meters and OK7W on 80 meters.

EUROPE: Martin Huml, OL5Y Plaque. Won by: **SN7Q*** (op. Krzysztof Sobon, SP7GIQ)
ASIA: Rafal Dunal, SQ9CNN Plaque. Won by: **Sergey Moskaev, R8TT**
OCEANIA: Sid Caesar, NH7C Plaque. Won by: **ZM4T** (op. Holger Hannemann, ZL3IO)
CANADA: Tom Haavisto, VE3CX Plaque. Won by: **Vlad Milutinovic, VE3JM**

OVERLAY CATEGORIES

WORLD Tribander / Single-Element: Scott Wright, KØMD Plaque. Won by: **EF8R** (op. Juan Hidalgo, EA8RM)
USA Tribander / Single-Element Low Power: Plaque. Won by: **Scott Jasper, NE9U**
EUROPE Tribander / Single-Element: Matija Brodnik, S53MM Plaque. Won by: **Mladen Bogdanov, YT6W**
WORLD Rookie: Val Edwards, W8KIC Memorial by K3LR Plaque. Won by: **Artyom Artyushkin, RU8T**
USA Rookie: Chris Kantarjiev, K6DBG Plaque. Won by: **Alexander Kopp, AK1MD**

MULTI-OPERATOR, SINGLE-TRANSMITTER

WORLD: Walter Skudlarek, DJ6QT memorial by Rhein-Ruhr DX Association Plaque. Won by: **UP2L** (op. UNØL, UNØLM, UN6LN, UN7LZ, UN9L, UN9LG, UN9LW)
WORLD Low Power: Mike Goode, N9NS Memorial by Hoosier DX and Contest Club Plaque. Won by: **9A7T** (op. 9A2EU, 9A5MR)
USA: Phil Allardice, KT3Y Plaque. Won by: **KX7M** (op. W6NV, JK3GAD, OH1VR, KX7M)
EUROPE: YO3CTK Memorial by YO3JR / YR1A Plaque. Won by: **9A7A** (op. 9A5X, 9A3TR, 9A2V, 9A7V, 9A3OS, 9A3XV, 9A4M)
EUROPE Low Power: LZ2PO Memorial by LZ9W Contest Team Plaque. Won by: **LY2J** (op. LY2J, LYR364)
NORTH AMERICA (Outside US and Canada): Rich Strand, KL7RA Memorial Plaque. Won by: **KP4EJ** (op. KP4EJ, WP3C)

MULTI-OPERATOR, TWO-TRANSMITTER

WORLD: UA1DZ Memorial by W3UA Plaque. Won by: **OM7M** (op. OK2BFN, OM2KI, OM3CQ, OM3PA, OM4AZF, OM5NU, OM5MF, OM5RM, OM5RW, OM5ZW)
USA: Florida Contest Group Plaque. Won by: **N4WW** (op. N4WW, K1MM, N4KM, W4WF)
EUROPE: Tom Georgens, W2SC Plaque. Won by: **LX2ØI*** (op. DF3VM, DK9IP, DL2JRM, DL2OE, DL5CW, DL5SE, LX2A)

MULTI-OPERATOR, MULTI-TRANSMITTER

WORLD: Steve Merchant, K6AW Plaque. Won by: **LZ9W** (op. LZ3FM, LZ3RR, LZ3UP, LZ4AE, LZ1ANA, LZ1FG)
USA: Mori Young, KR5V Memorial by N5RZ Plaque. Won by: **WW1X** (op. N2RC, KL9A, KO7SS, K3JO, N2ZN, WW1X, W1ADI, W2RE, WW2DX, K1LZ, AA4LS)
EUROPE: Jeff Demers, N1SNB Plaque. Won by: **YT5A*** (op. YT1AD, YU1AU, YU8A, YU2FG, YU1YV, YU6DX, YU9DX, YU1KX, YT1A)

ADDITIONAL AWARDS

CHINA Single Operator, Any category: LZ9W Contest Team Plaque. Won by: **Liao Jian Jun, BA7QT**
CHINA Any Multi-op Category: Andrey Sachkov, LZ2HM Plaque. Won by: **BY8AC** (op. Guang Yang, BA8AG, BA8AT, BA8BA)

COMBINED AWARDS

WORLD Combined Score on SSB and CW: Yuri Blinarovich, K3BU Plaque. Won by: **Andy Kazantsev, UB7K**
USA Combined Score on SSB and CW: Bill Fisher W4AN Memorial by KM3T Plaque. Won by: **AK1W** (op. Randy Thompson, K5ZD)
EUROPE Combined Score on SSB and CW: Bavarian Contest Club Plaque. Won by: **Rastislav Hrnko, OM3BH*** (op. Rastislav Hrnko, OM3BH)
WORLD Combined Prefixes on SSB and CW: Norm Koch, WN5N Memorial by K2RED Plaque. Won by: **Andy Kazantsev, UB7K**
CQ WPX Contest Triathlon Award Combined Score on RTTY, SSB, and CW (min 500 QSOs per mode): DX-Lodge Roatan (HQ9X) Plaque. Won by: **AK1W** (op. Randy Thompson, K5ZD)
World Club Score: CQ Magazine Plaque. Won by: **Bavarian Contest Club**

*Denotes awarded to runner-up in category

Transmitter High Power and Low Power categories, respectively.

Additional Opportunities to Excel

Keep an eye on the very promising early competitors in the Rookie Overlay category. RU8T scored over 2.5 million points, solely on 20 meters, to win the Rookie Overlay High Power award. IUØKTT took the top honors in the Rookie Overlay Low Power category, after placing second in the world in the similar category for CQWW CW 2019. Look out for future epic battles between AK1MD and WØAAE, after AK1MD's narrow win in the U.S. Rookie High Power race. K2PJC achieved the highest U.S. score in the Rookie Overlay Low Power category, as well as taking second place in the world.

The Tribander/Wires Overlay remains very popular with nearly 900 entries in 2020, including some big scores. Both of the 2020 leaders came from Africa; EF8R (EA8RM) in High Power and 3V8SS (KF5EYY) in Low Power. N3QE took the High Power top slot in the U.S., while NE9U squeaked out a close win in the Low Power skirmish with KE3X.

The Classic Overlay was introduced this year and is intended for Single-Op competitors using one radio and no QSO alerting assistance. 4X6FR had the best results in High Power, and the Low Power ribbon goes to IQ8SN (IZ8FWN). W2RU's experience with "practical" antennas led to Bud's U.S. High Power win using callsign WM3T. COVID-19 disrupted NN1C's plan to participate at K3LR's as part of Team

Exuberance CW; Marty did the next best thing by winning the Low Power Classic Overlay from the U.S.

New Standards of Excellence

OK6W (OK1MU) broke a 21-year-old single-band world record to establish a new benchmark on 160 meters. Similarly, VY2ZM, stranded on Prince Edward Island due to COVID-19 travel restrictions, set a new standard on top band in North America for the first time in 20 years. Europe has new records in the Single-Op and Single-Op Assisted classes thanks to LZ5R (LZ5DB) and DL6FBL, respectively.

KC1XX (WA1Z) reset the U.S. Single-Op record as did AA3B in the North America Assisted category. WW1X continued its "Remote Contesting 2.0" journey by rewriting the records book for Multi-Multi contesting in the U.S.

Records for all the various categories and countries can be found at <www.cqwp.com/records.htm>.

Club Clashes

The Bavarian Contest Club (BCC) repeated as the overall winner in club competition, beating the Ukrainian Contest Club by over 50%. BCC's win resulted from its overwhelm-

CLUB SCORES

UNITED STATES

Club	# Entrants	Score
YANKEE CLIPPER CONTEST CLUB	178	228,439,395
POTOMAC VALLEY RADIO CLUB	245	217,844,176
FRANKFORD RADIO CLUB	156	166,868,558
NORTHERN CALIFORNIA CONTEST CLUB	149	99,897,389
FLORIDA CONTEST GROUP	82	77,369,550
SOCIETY OF MIDWEST CONTESTERS	140	77,012,639
ARIZONA OUTLAWS CONTEST CLUB	69	59,007,376
SOUTHERN CALIFORNIA CONTEST CLUB	58	54,198,251
CENTRAL TEXAS DX AND CONTEST CLUB	29	36,284,753
WESTERN WASHINGTON DX CLUB	33	29,263,465
WILLAMETTE VALLEY DX CLUB	52	27,235,028
MAD RIVER RADIO CLUB	30	26,728,997
GRAND MESA CONTESTERS OF COLORADO	35	26,499,528
TENNESSEE CONTEST GROUP	39	26,143,873
ALABAMA CONTEST GROUP	24	22,741,101
MINNESOTA WIRELESS ASSN	66	21,042,888
SOUTH EAST CONTEST CLUB	44	20,461,267
TEXAS DX SOCIETY	23	18,384,641
DEEP DIXIE CONTEST CLUB	15	15,395,426
NORTH COAST CONTESTERS	26	13,953,716
SWAMP FOX CONTEST GROUP	19	11,646,281
BIG SKY CONTESTERS	12	11,352,058
ORDER OF BOILED OWLS OF NEW YORK	14	9,707,851
KANSAS CITY CONTEST CLUB	20	8,802,028
DFW CONTEST GROUP	32	7,987,401
GEORGIA CONTEST GROUP	15	7,648,148
BAY AREA DXERS	11	6,655,674
NE MARYLAND AMATEUR RADIO CONTEST SOCIETY	27	6,365,302
HUDSON VALLEY CONTESTERS AND DXERS	23	5,982,575
KENTUCKY CONTEST GROUP	22	5,643,075
CAROLINA DX ASSOCIATION	19	3,810,435
NORTH TEXAS CONTEST CLUB	6	2,939,070
NORTHEAST WISCONSIN DX ASSN	8	2,900,228
NIAGARA FRONTIER RADIOSPORT	13	2,815,757
GREAT PLACES CONTEST CLUB	4	2,769,164
MOTHER LODGE DX/CONTEST CLUB	12	2,441,549
CTRI CONTEST GROUP	9	2,172,081
LOUISIANA CONTEST CLUB	6	1,954,492
SOUTHWEST OHIO DX ASSOCIATION	6	1,081,875
ROCHESTER (NY) DX ASSN	14	1,076,642
NORTH CAROLINA DX AND CONTEST CLUB	5	753,561
PORTAGE COUNTY AMATEUR RADIO SERVICE	9	698,850
SILVER COMET AMATEUR RADIO SOCIETY	7	686,413
METRO DX CLUB	12	622,053
BRISTOL (TN/VA) ARC	6	618,048
MERIDEN ARC	5	616,390
THE VILLAGES AMATEUR RADIO CLUB	10	609,316
HILLTOP TRANSMITTING ASSN	5	519,665
SOUTH JERSEY RADIO ASSOCIATION	7	470,984
MISSISSIPPI VALLEY DX/CONTEST CLUB	7	470,496
NEW PROVIDENCE ARC	7	393,684
MILFORD OHIO AMATEUR RADIO CLUB	4	370,519
SPOKANE DX ASSOCIATION	10	370,496
NORTH FULTON AMATEUR RADIO LEAGUE	7	314,837
SKYVIEW RADIO SOCIETY	5	306,921
BERGEN ARA	4	264,578
IDAHO DX ASSOCIATION	5	249,549
WEST PARK RADIOPS	4	183,068
OH-KY-IN ARS	4	163,185
SIERRA NEVADA AMATEUR RADIO SOCIETY	4	141,748
ARC EMERG COMM SVC	4	110,308
UTAH DX ASSOCIATION	4	104,297
NORTHERN ARIZONA DX ASSN	4	85,797
PUEBLO WEST AMATEUR RADIO CLUB	5	45,583
SOUTH TEXAS DX AND CONTEST CLUB	4	37,548

DX

Club	# Entrants	Score
BAVARIAN CONTEST CLUB	278	328,025,668
UKRAINIAN CONTEST CLUB	154	178,953,264
RUSSIAN CONTEST CLUB	104	169,731,338
CONTEST CLUB ONTARIO	97	139,653,608
EA CONTEST CLUB	93	138,200,383
RHEIN RUHR DX ASSOCIATION	119	107,918,872
ITALIAN CONTEST CLUB	102	105,521,556

Club	# Entrants	Score
CROATIAN CONTEST CLUB	54	93,012,696
SLOVENIA CONTEST CLUB	45	92,939,998
BALTIC CONTEST CLUB	26	86,450,384
CONTEST CLUB SERBIA	54	76,392,392
HA-DX-CLUB	24	73,119,177
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	64	68,020,192
LZ CONTEST TEAM	5	62,742,889
ARAUCARIA DX GROUP	66	57,804,026
BELOKRANJEC CONTEST CLUB	12	54,408,962
CONTEST CLUB FINLAND	36	52,111,814
LATVIAN CONTEST CLUB	25	44,116,997
CLIPPERTON DX CLUB	21	41,401,833
SP DX CLUB	68	37,854,819
LU CONTEST GROUP	56	37,368,876
RIO DX GROUP	58	32,865,828
BELARUS CONTEST CLUB	21	28,675,194
CENTRAL SIBERIA DX CLUB	12	27,284,833
URAL CONTEST GROUP	16	26,305,739
MARITIME CONTEST CLUB	13	26,034,750
LA CONTEST CLUB	12	25,478,529
THRACIAN ROSE CLUB	47	24,512,759
CONTEST GROUP DU QUEBEC	17	24,338,859
S59ACP	4	23,788,567
BOSNIA AND HERZEGOVINA CONTEST CLUB	10	23,394,255
SOUTH URAL CONTEST CLUB	14	23,373,874
ORCA DX AND CONTEST CLUB	32	23,215,075
MILARA CONTEST CLUB	4	22,281,032
WEST SERBIA CONTEST CLUB	4	19,686,344
ARCK	26	16,688,018
LZ2KSB	7	15,898,339
RUSSIAN CW CLUB	33	14,215,489
VK CONTEST CLUB	24	13,381,713
LITHUANIAN CONTEST GROUP	8	12,045,997
VRHNIKA CONTESTERS	5	11,829,955
VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	15	10,791,000
RADIOSPORT MANITOBA	4	9,166,002
DANISH DX GROUP	20	8,910,715
YB LAND DX CLUB	125	8,686,453
SIAM DX GROUP	20	8,674,623
ASSOCIACAO DOS RADIOAMADORES DO PARANA	8	8,231,810
IVANOVO DX CLUB	4	8,185,022
CHILTERN DX CLUB	19	7,822,326
RADIO AMATEUR ASSOCIATION OF WESTERN GREECE	12	7,100,740
FAZENDA ACTIVITY CONTEST GROUP	4	6,940,462
CATALONIA CONTEST CLUB	20	6,791,111
SAUDI CONTEST GROUP	5	6,676,077
INTEREST GROUP RTTY	8	6,581,158
SHAKHAN CONTEST CLUB	6	6,423,304
CS PETROLUL PLOIESTI	5	6,377,155
NATIONAL CHILDREN'S PALACE	7	5,999,655
ARIPKA DX TEAM	8	5,974,317
ANTWERP CONTEST CLUB	10	5,627,296
WORLD WIDE YOUNG CONTESTERS	18	5,469,364
CSA STEAUA BUCURESTI	6	5,216,693
CZECH CONTEST CLUB	4	5,204,624
STAY AT HOME-TRAC IZMIR BRANCH	5	4,917,352
ARKTIKA	9	4,845,448
PEMBROKESHIRE CONTEST GROUP	6	4,805,679
SHARKS DX TEAM	9	4,642,360
UA2 CONTEST CLUB	8	4,471,874
TERESINA DX GROUP	5	4,441,220
THREE A'S CONTEST GROUP	6	4,164,308
KRIVBASS	7	4,107,822
RC THREE VICTORIA	5	3,817,817
ESSEX CW AMATEUR RADIO CLUB	6	3,566,794
LA-DX-GROUP	11	3,337,294
XE-DXERS	5	3,203,079
ALRS ST PETERSBURG	12	3,137,620
SPANDAU DXERS	4	3,131,441
DESERT FALCONS CONTEST TEAM	4	2,944,828
599 CONTEST CLUB	9	2,807,208
SP OLD TIMERS CLUB	4	2,649,342
SK6AW HISINGENS RADIOKLUBB	6	2,511,288
RADIO CLUB VENEZOLANO CARACAS	10	2,492,628
CSU PITESTI	6	2,472,505
UNIO RADIOAFICIONATS VALLES ORIENTAL	5	2,415,782
HAROS RADIO CLUB	4	2,252,710
TEN-FIFTY CONTEST GROUP	7	2,228,051
LKK LIVV SHORTWAVE CLUB	8	2,134,604

ing level of membership participation. In the U.S., the running battle between the Yankee Clipper Contest Club (YCCC) and Potomac Valley Radio Club (PVRC) continued, with YCCC again having the upper hand. The key to YCCC's third consecutive victory was member productivity (points / log) which exceeded PVRC's performance by more than 40%.

For the Good of the Order

Despite the record number of submitted logs and densely crowded bands, the sportsmanship exhibited by the vast majority of participants was gratifying and resulted in mini-

mal disciplinary action. Several stations were notified of excessive signal bandwidth concerns and the level of scrutiny on this issue will be increased in 2021. Use of QSO alerting assistance in single operator categories resulted in several reclassifications and disqualifications. Logs containing large numbers of QSOs on unauthorized frequencies were disqualified. Excessive power reports were evaluated and resulted in one disqualification. Remote operations grew by nearly 100% in 2020 as compared to 2019, and remote operators are reminded to review the rules regarding station location definition.

Club	# Entrants	Score
CROWS CONTEST TEAM.....	5	2,054,284
VLADIMIR CONTEST GROUP.....	9	1,926,586
UNION FRANCAISE DES TELEGRAPHISTES.....	6	1,878,935
DONBASS CONTEST CLUB.....	6	1,855,699
MEDITERRANEO DX CLUB.....	15	1,853,976
SARATOVSKAYA OBLAST RADIO CLUB.....	6	1,806,987
OV STRAUBING.....	5	1,798,487
VU CONTEST GROUP.....	21	1,716,033
GUARA DX GROUP.....	16	1,600,960
SK5AA VASTERAS RADIOKLUBB.....	10	1,561,584
GIPANIS CONTEST GROUP.....	12	1,512,620
KEYMEN'S CLUB OF JAPAN.....	15	1,485,053
IRKUTSK RADIO CLUB.....	4	1,458,372
CDR GROUP.....	38	1,407,355
RSGB CONTEST CLUB.....	5	1,399,281
RADIO CLUB VENEZOLANO.....	5	1,286,564
OK1KQJ CONTEST CLUB.....	4	1,226,655
S51DSW.....	4	1,222,762
KOREA CONTEST CLUB.....	4	1,162,125
CRIMEAN CONTEST CLUB.....	4	1,125,666
RU-QRP CLUB.....	15	1,092,026
CSM CRAIOVA.....	9	1,040,332
CWOPS.....	5	949,650
TERENGGANU DX.....	5	943,707
UR-QRP-CLUB.....	6	879,882
TALL TREES CONTEST GROUP.....	8	847,885
YYP CLUB.....	4	827,766
YO DX CLUB.....	11	729,143
ALBERTA CLIPPERS.....	4	694,377
GMDX GROUP.....	8	682,948
THAILAND DX ASSOCIATION.....	6	663,007
R4F-DX-G.....	5	648,734
SHARP HAM CLUB.....	6	615,963
RUSSIAN DIGITAL RADIO CLUB.....	5	600,522
DOUBLE T TEAM.....	4	587,299
CHILEAN PACIFIC DX GROUP.....	8	475,205
LOMA DEL TORO DX CLUB.....	5	468,101
VERSILIA CONTEST CLUB.....	5	450,256
SCAN INTERNATIONAL.....	8	441,900
YB6_DX COMMUNITY.....	18	428,312
HAM SOCIETY OF THE PHILIPPINES.....	4	421,938
SINGLE FIGHTER DX GROUP.....	8	418,883
COCKENZIE AND PORT SETON ARC.....	8	406,237
ARCOTP, INC.....	5	403,537
SAYAN DX CLUB.....	5	400,642
CABREUVADX.....	30	363,025
BLACK SEA CONTEST CLUB.....	6	336,514
AGCW.....	5	331,996
CSM TIMISOARA.....	4	303,733
PETERBOROUGH AMATEUR RADIO CLUB.....	5	282,582
LITTLE GUN CLUB.....	4	281,785
TORBAY ARS.....	9	279,991
CE CONTEST GROUP.....	10	233,993
EDIT14.....	7	233,284
GIRESun TELSIZ VE RADYO AMATORLERI DERNEGI.....	6	229,857
STOCKPORT RADIO SOCIETY CONTEST GROUP.....	7	229,186
ORARI LOKAL KOTA JAYAPURA.....	5	213,227
KILMARNOCK AND LOUDOUN ARC.....	7	193,497
OSTROW AMATEUR RADIO CLUB SP3POW.....	5	166,953
CONTEST PELLET JUOPOT.....	4	164,975
FUCHU AMATEUR RADIO CLUB.....	10	158,530
UPPSALA RADIOKLUBB.....	5	154,012
PHILIPPINE AMATEUR RADIO LEAGUE.....	9	138,027
WEST BORNEO DX CLUB.....	13	124,377
NANAIMO AMATEUR RADIO ASSOCIATION.....	4	98,270
JUST FOR FUN CONTEST CLUB.....	5	89,304
LA4O.....	6	79,767
SP9PGE.....	5	76,179
ORARI LOKAL KEDIRI.....	15	72,815
RADIO MANIA.....	7	69,440
ORARI LOKAL BOGOR.....	9	60,842
599 DX GROUP.....	13	60,044
BENGKULU DX CLUB.....	4	57,904
FALCONS DX GROUP.....	5	55,824
A1CLUB.....	4	39,726
RADIO CLUB KVARNER RIJEKA.....	4	34,623
CWJF GROUP.....	5	33,447
ORARI LOKAL BEKASI.....	4	28,593
CMDXGROUP.....	6	2,519



W2AW (N2GM) had the World high score in the 20-meter Single-Op Low Power category.



Yarik, UW7LL, readying his 15-meter beam for CQWW WPX CW.

Doing it Right

The 2020 edition of WPX CW was one for the record books. Despite the enormous turnout, raw and final scores were developed promptly and delivered with rigor. My thanks goes to the volunteers who took great pride in administering or supporting this year's effort, including: CT1BOH, ES5TV, F6BEE, K1AR, K1DG, K1EA, KR2Q, LU5DX, N5KO, N6TR, OH6LI, S50XX, VK2IA, and YO3JR. I especially want to highlight the heavy lifting done by K5ZD and N8BJQ, whose contributions enabled the rest of the volunteers to be efficient and effective.

(Scores on page 97)

CQ World-Wide WPX CW Contest All-Time Records

The contest is held each year on the last full weekend of May. The All-Time Records will be updated and published annually. Data following the calls: Year of operation, total score, and number of prefix multipliers.

WORLD RECORD HOLDERS		U.S.A. RECORD HOLDERS	
Single Operator		Single Operator	
1.8	OK6W('20)416,060355	1.8	WV8JR('07)56,760132
3.5	TC3D('16)2,112,711457	3.5	KIKI('18)782,892396
7.0	3V8CB('10)10,758,020805	7.0	NN1AA('18)3,738,640680
14	CN2DD('18)9,738,8721144	14	N2NC('06)5,418,630915
21	HK1R('15)8,721,1501097	21	K3LA('14)5,887,3651023
28	ZX5J('02)6,787,440857	28	WW4M('01)2,547,046674
AB	CR3A('15)21,403,5271241	AB	KC1XX('20)14,459,5791163
LP	D41CV('16)13,881,3721059	LP	N5AW('15)6,317,732989
QRP	P4ØW('97)4,018,208632	QRP	N2WN/4('12)1,686,608592
Assisted	D4C('16)19,678,7701230	Assisted	AA3B('20)13,032,1361192
Multi-Operator Single Transmitter		Multi-Operator Single Transmitter	
P33W('15)	35,165,6911503	KM3T/1('12)	15,311,3401254
Multi-Operator Two Transmitter		Multi-Operator Two Transmitter	
P33W('16)	42,511,8201495	NN3L('12)	21,964,9741362
Multi-Operator Multi-Transmitter		Multi-Operator Multi-Transmitter	
HC8N('99)	54,697,0721264	WW1X('20)	29,604,2431461
CLUB RECORD		WPX RECORD	
Bavarian Contest Club ('12)	441,610,686	ES9C('14)	1632

CONTINENTAL RECORD HOLDERS

AFRICA		SOUTH AMERICA	
1.8	IH9/OL5Y('98)341,068182	1.8	HK1R('16)25,44060
3.5	7X0RY ('08)1,701,260407	3.5	YX3A('89)1,004,060305
7.0	3V8CB('10)10,758,020805	7.0	PJ4A('13)8,744,862826
14	CN2DD('18)9,738,8721144	14	HK1X('11)7,254,2661006
21	CT3KN('15)7,064,0821017	21	HK1R('15)8,721,1501097
28	ZS4TX('01)4,602,028722	28	ZX5J('02)6,787,440857
AB	CR3A('15)21,403,5271241	AB	PJ4A('11)16,272,7301018
ASIA		MULTI-OPERATOR SINGLE TRANSMITTER	
1.8	4X4NJ('96)259,420170	AF	CN2AA('16)34,551,2151411
3.5	TC3D('16)2,112,711457	AS	P33W('15)35,165,6911503
7.0	ZC4LI('10)4,770,336632	EU	ES9C('15)18,609,0241472
14	UP2L('09)7,928,8861043	NA	ZF1A('15)19,649,3901294
21	4L8A('15)6,681,2461014	OC	AH2R('01)11,541,420957
28	HZ1AB('02)3,669,994659	SA	P49V('01)19,760,7441034
AB	4LØA('12)14,683,7731131	MULTI-OPERATOR TWO TRANSMITTER	
EUROPE		AF	CN3A('18)35,274,2201420
1.8	OK6W ('20)416,060355	AS	P33W('16)42,511,8201495
3.5	TM5Y('08)1,983,366567	EU	OM7M('20)26,512,9621569
7.0	CT1JLZ('09)6,075,936816	NA	ZF1A('14)28,994,0491407
14	CR2X ('15)6,869,9281164	OC	KH6LC('12)17,095,4601198
21	CR1X('12)7,293,2801154	SA	PW7T('12)34,156,4511457
28	9HØA('01)3,965,315841	MULTI-OPERATOR MULTI-TRANSMITTER	
AB	ZL5R('20)16,505,7201288	AF	CN3A('19)48,733,4051505
NORTH AMERICA		AS	P33W('19)53,492,6481514
1.8	VY2ZM('20)402,600244	EU	ES9C('14)34,805,6641632
3.5	FM5BH('97)833,490315	NA	6Y2A('02)38,821,3281274
7.0	T15W('17)7,012,980810	OC	ZL6QH('04)16,143,8401010
14	N2NC('06)5,418,630915	SA	HC8N('99)54,697,0721264
21	K3LR('14)5,887,3651023	QRP	
28	5W1SA('14)1,653,260482	AF	5Y4FO('92)649,057311
AB	8P5A('16)15,690,4861162	AS	ZC4BS('02)2,515,388521
OCEANIA		EU	LY5A('01)2,331,414646
1.8	KH6ND('07)22,10050	NA	T15X('01)2,568,470615
3.5	KH6ND('09)596,673231	OC	FO8JP('86)572,131259
7.0	ZM3A('09)6,437,695737	SA	P4ØW('97)4,018,208632
14	WH7AA('18)6,186,952964		
21	KH6ND('99)6,107,256813		
28	KH6ND('00)1,523,008424		
AB	KH7XX('15)12,449,8661111		