

Results of the 2018 CQWW DX CW Contest

Another Amazing Contest is in the Books
"I love this contest!" –GM3A

BY JOHN DORR*, K1AR

There have been 70 CQWW CW contest events, yet the contest community does not tire when the CQWW DX contest comes around. The event is noted in bold print on thousands of hams' calendars around the world. This year, 8,125 logs were received that contained a total of 4.6 million QSOs, 92% of which could be cross-checked against other logs. I'm proud to say that our on-going campaign stressing accuracy is paying off as 97% of those QSOs were found to be correct and valid — encouraging to a group of hard-working committee volunteers who tirelessly focus on getting the results right for all of you.

Even though we continue to languish from the effects of a solar minimum, the magic of the CQWW contest results in some amazing accomplishments. The nearly 17-million point SOAB effort by Jose, CT1BOH/D41CV, came in only a million points short of breaking the nearly 20-year-old record of Jeff, N5TJ, from EA8BH. And, who can deny the amazing result by Kevin, N5DX, who amassed over 9 million points as a SOAB entry from N2QV's superstation?

Of course there were many other significant scores in all of the operating categories this year such as the 9-million+ effort by Bud, AA3B (@V26K), who would have been sev-

enth in the world when compared to the high power entries — all from a 2-point location. Imagine making over 1,700 QSOs as a QRP(A) entry as achieved by Pit, DK3WE, while operating from DM2M.

A further read of the winner's tables will give you pause as you discover the close battle between K3LR and W3LPL in the USA multi-multi category with Tim's team from West Middlesex, Pennsylvania, pulling off the win by only 300,000 points. On the worldwide multi-op scene, there was an epic

Year	# entities worked
2009	249
2010	254
2011	252
2012	249
2013	257
2014	263
2015	248
2016	260
2017	201
2018	194

Table 1. Number of DX entities that were worked in the CQWW CW contest by year.



Teamwork and friendship is what it's all about at IB9T. Pictured are (from l. to r.): Ivano, IT9CLN; Joe, IT9BLB; Joe, IT9RZU; Gius, IT9VDQ.



Here are Chris, DL1MGB, and Xenia, ZL4YL, putting ZM4T on the air from New Zealand.

performance by the EF8R team, who posted over 38 million points as a multi-two entry with nearly 15,000 QSOs at the bottom of the cycle. And, of course, there is the small matter of the CN3A multi-multi, world high score of 36 million, as this skilled team led by Stefano, IK2QEI, snagged 14,000 QSOs while showing that the demise of 10 meters impacted the advantage of those extra transmitters. Last but not

least, a shout-out is in order for the gangs from the Frankford Radio Club and Bavarian Contest Club who were solid winners in their respective club competition categories — no small accomplishment.

But, as always the heroes of the CQWW are the small pistols. It's your invaluable contributions to the contest that ultimately make the CQWW tick. My thanks and that of the entire

2018 CQWW CW SSB PLAQUE WINNERS AND DONORS

SINGLE OPERATOR, ALL BANDS

World

D41CV (Opr.: Jose Nunes, CT1BOH)
Donor: Vibroplex

World – Low Power
V26K (Opr.: Bud Trench, AA3B)
Donor: Slovenia Contest Club

World - QRP
Karel Karmasin, OK2FD
Donor: Bob Evans, K5WA

World - Assisted
CN2CO (Opr.: RA3CO, Dmitri Kryukov)
Donor: Robert McGwier, N4HY

World – Assisted Low Power
P40W (Opr.: John Crovelli, W2GD)
Donor: Lyubomir "Leo" Slavov, OR2F

World – Assisted QRP
Pit Schmidt, DM2M
Donor: Steve "Sid" Caesar, NH7C

USA
Kevin Stockton, N5DX
Donor: Frankford Radio Club

USA - Low Power
Terry Zivney, N4TZ
Donor: North Coast Contesters

USA - QRP
Doug Zwiebel, KR2Q
Donor: W3ZZ Memorial (Andy Blank, N2NT)

USA - Assisted
Charles D. Fulp, Jr., K3WW
Donor: John Rodgers, WE3C

USA – Assisted Low Power
Brad Denison, W1NT
Donor: LA8W/LN8W Leia Contest Club

USA - Zone 3
Bob Wolbert, K6XX
Donor: Arizona Outlaws Contest Club

USA - Zone 4
Mike Wetzel, W9RE
Donor: Society of Midwest Contesters

USA - Zone 5
K1LZ (Opr.: Mladen Bogdanov, YT6W)*
Donor: N4ZC Memorial (Carolina DX Association)

Europe
CR5E (Opr.: Filipe Lopes, CT1ILT)
Donor: W3AU Memorial (Florida Contest Group)

Europe - Low Power
GU3HFN (Opr.: Oleg Borisov, RL5D)
Donor: Tim Duffy, K3LR

Europe - QRP
Vitas Krasnickas, LY5G*
Donor: I4FAF Memorial (Sergio Cartoceti, IK4AUY)

Europe - Assisted
Bernd Och, DL6FBL
Donor: I4IND Memorial (IR4X Monte Capra Contest Team)

Europe – Assisted Low Power
Niko Safaric, S53A
Donor: Alex Goncharov, R3ZZ

Africa
7X2ARA (Opr.: Felix Kuntzsch, DL7FER)*
Donor: K5KA Memorial (Ralph "Gator" Bowen, N5RZ)

Asia

Masaki Okano, JH4UYB
Donor: W5PG Memorial (DFW Contesting Group)

Carib./C.A.
T17W (Opr.: Chris Hurlbut, KL9A)
Donor: W5PG Memorial (DFW Contesting Group)

Carib./C.A. – Low Power
VP2V/WJ2O (Opr.: Dave Farnsworth, WJ2O)*
Donor: Albert Crespo, NH7A

Oceania

KH7M (Opr.: Jim Neiger, N6TJ)
Donor: KH2D Memorial (Ken Hoppe, KH7R)

South America
PZ5T (Opr.: Yuri Onipko, VE3DZ)
Donor: Dave Farnsworth, WJ2O

South America - Southern Cone (CE, CX, LU)
Juan Pablo Ravinale, LU5YF
Donor: Dale Long, N3BNA

South America – Southern Cone (CE, CX, LU) – Assisted
Matt Acevedo von Frey, CE2LR
Donor: LU Contest Group

ASEAN (XZ, HS, XW, XU, 3W, 9M, 9V, V8, YB, DU) – Low Power
9M6NA (Opr.: Saty Nakamura, JE1JKL)
Donor: World Wide Radio Operators Foundation

Scandinavia (LA, OH, OZ, SM)
OH0Z (Opr.: Tomi Yinen, OH6EI)
Donor: W3FYS Memorial (Chas Weir, Jr., W6UM)

Baltic (ES, LY, YL)
Albertas Pipiras, LY5R
Donor: LY2OO Memorial (Lithuanian Radio Sports Federation)

Canada
Ken Widelitz, VY2TT
Donor: John Sluymmer, VE3EJ & Jim Roberts, VE7ZO

Russia
Ilya Semichastnov, R3XA
Donor: Roman Thomas, RZ3AA

Indonesia
Aldi Zulwan, YB2GV
Donor: "Joy" N. Djojo, YB0NSI

Japan
Katsuhiro Kondou, JE6RPM*
Donor: Phil Yasson, AB7RW

Japan – Low Power
Nob Watanabe, JH1EAQ
Donor: Juan Munoz, TG9AJR

Japan - Assisted
Hiroyuki Inaba, JS3CTQ
Donor: Aki Nagi, JA5DQH

SINGLE OPERATOR, SINGLE BAND

World – 28 MHz
Phil Smeaton, VK4BAA
Donor: Joel Chalmers, KG6DX

World – 21 MHz
PX2A (Opr.: Alan Laure Santamaria, PY2LSM)
Donor: CWOps

World – 14 MHz
TO5A (Opr.: Oliver Sweningsen, W6NV)
Donor: W2JT Memorial (North Jersey DX Assn.)

World – 7 MHz
FY5KE (Opr.: Laurent Haas, F6FVY)
Donor: John Rodgers, WE3C

World – 3.5 MHz

UP2L (Opr.: Vladimir "Willy" Umanets, UA9BA)
Donor: Fred Capossela, K6SSS

World – 1.8 MHz
Jeff Briggs, VY2ZM
Donor: Kenneth Byers, Jr., K4TEA

USA – 28 MHz
Jeff Stuparits, W4DD
Donor: John Rodgers, WE3C

USA – 21 MHz
Fritz Reuning, K4OAAQ
Donor: Bob Naumann, W5OV

USA – 14 MHz
Patrick Barkey, N9RV
Donor: Northern Illinois DX Association

USA – 7 MHz
Brian Edward, N2MF
Donor: Gene Shablygin, W3UA

USA – 3.5 MHz
Steve Sussman, W3BGN
Donor: Bill Feidt, NG3K

USA – 1.8 MHz
Mike Greenway, K4PI
Donor: Jeff Briggs, K1ZM

Europe – 28 MHz
OK6W (Opr.: Pavel Prihoda, OK1MU)
Donor: Jay Pryor, K4OGG

Europe – 21 MHz
Milan Milovanovic, YT0Z
Donor: Bob Naumann, W5OV

Europe – 14 MHz
OH8X (Opr.: Pasi Luoma-Aho, OH6UM)
Donor: G3FXB Memorial (Maud Slater)

Europe – 7 MHz
Tine Brajnik, S50A
Donor: Ivo Pezer, 9A3A

Europe – 3.5 MHz
Ivo Jereb, S57AL
Donor: K3VV Memorial (Frankford Radio Club)

Europe – 1.8 MHz
S51V Silvo Knuplez
Donor: Pat Barkey, N9RV & Terry Zivney, N4TZ

Asia – 14 MHz
4L8A Vakhang Mumiadze
Donor: W5FO Memorial (Ralph "Gator" Bowen, N5RZ)

Asia – 7 MHz
Toshimichi Terao, JA6SHL
Donor: Rich Gelber, K2WR

Carib./C.A. – 21 MHz
Ricardo Schwarz, HP1RIS
Donor: David Hodge, N6AN

Canada – 14 MHz
VE7SZ (Opr.: Gary Caldwell, VA7RR)
Donor: John Sluymmer, VE3EJ

Japan – 21 MHz
Akito Nagi, JA5DQH
Donor: Bob Wilson, N6TV

Japan – 14 MHz
Yukihisa Yamashita, JA6LJCJ
Donor: Chris Terkla, N1XS

OVERLAY CATEGORIES

World – Classic
P40C (Opr.: Alex Tkatch, KU1CW)
Donor: CWOps

contest community go out to you for being there each and every year.

The CQWW is a DX Machine!

One of the attributes of the CQWW that attracts so many to operate is the opportunity to work DX whether you're wear-

ing a contesting or DX hat. It never ceases to amaze, as each year competitors travel near and far to put interesting or rare countries on the air just for the CQWW contest. And, while the total number of available DX entities is in decline from previous years, everyone

will agree that the bands uniquely come alive at the end of October and November, even when the sun has decided to enjoy an extended period of inactivity. Indeed having 200 countries available on a contest weekend is something to marvel at and enjoy as you can see in *Table 1*. This year, the CN3A team worked 81% of all available countries on 40 meters (157) and D41CV (CT1BOH) logged 123 countries on 20 meters (63%) all by himself.

How Many Hours Did You Operate?

There is a wide range of factors that go into choosing the number of hours one operates in a contest. They vary from physical limitations to competing family commitments. In my case, the notion of operating 48 full hours in a DX contest has left the station many years ago. In fact, I've only done it twice and can still recall that "out of body" feeling as I convinced myself that the rotator control boxes were floating above the operating table. Are you in the group that finds yourself sending gibberish in the middle of a contest exchange? And, who doesn't "love" that alarm going off early on Sunday morning after only sleeping one or two hours?

Indeed, operating full-time is one of contesting's greatest challenges. And, as you can see in *Table 2*, very few single-op competitors do it. Fortunately, what makes contesting work for us is the large group that casually participate



Kevin, N5DX, is another of contesting's elite operators at the controls of N2QV.

U.S.A. – Classic
Randy Thompson, K5ZD
Donor: CWops

World – Rookie
David Samu, VE7S2O
Donor: CWops

U.S.A. – Rookie
Peter Kulik, K8PK
Donor: CWops

Europe – Rookie
IQ1LA (Opr.: Maurizio Vignola, IU1JCZ)
Donor: EA Contest Club

MULTI-OPERATOR, SINGLE TRANSMITTER

World
PJ4A (Oprs.: K4BAI, KU8E)
Donor: KL7RA Memorial (Friends of Rich)

World – Low Power
VP9I (Oprs.: N2BA, W1NN)
Donor: EA Contest Club

U.S.A.
W3UA (Oprs.: R8CT, NU3C, W3UA)
Donor: Douglas Zwiebel, KR2Q

U.S.A. – Low Power
W0DLE (Oprs.: W0DLE, WB0GAZ, K7TD)
Donor: CWops

Africa
CR3X (Oprs.: CT3HF, R7KW, RM9I, UB7K, UZ5DX)
Donor: Harry Booklan, RA3AUU

Asia
4X6FR (Oprs.: 4X6FR, 4X6KT, 4X1DX)
Donor: Steve Merchant, K6AW

Carib./C.A.
VP2EAB (Oprs.: WA7NB, N2LK)
Donor: CWops

Europe
LZ5R (Oprs.: 9A1UN, 9A5CW, 9A5K, K1LZ, LZ1JZ, LZ1NK, LZ1UK, LZ1YQ, LZ2BE, LZ2PL, LZ2XA, LZ3ND, LZ3ZZ, LZ5DB, RN5M, S55M, YO9GZU)
Donor: Gail Sheehan, K2RED

Oceania
AH2R (Oprs.: JI3ERV/NH2C, JR7OMD/WI3O, JO1RUR/KH0G, JH1ASG/W3FO)
Donor: Junichi Tanaka, JH4RHF

South America
PS2T (Oprs.: PY1NX, PY2NA, PY2NDX, PY2YU, PY5EG)*
Donor: Araucaria DX Group

Canada
VE3EJ (Oprs.: VE3EJ, VE3EK, VE3MM, VE7ZO)
Donor: VE3TA Memorial (John Sluymmer, VE3EJ)

Japan
JA7ZFN (Oprs.: JA7ACM, JH7XMO, JI7GBI, JP7DKQ, JR7TEQ)
Donor: Madison Jones, W5MJ

ASEAN (XZ, HS, XW, XU, 3W, 9M, 9V, V8, YB, DU)
YE2A (Oprs.: YB0ARJ, YB1ALL, YB2DX, YB2TJV, YB5QZ, YD1SDL, YD2XVT)
Donor: Bruce Frahm, K0BJ

MULTI-OPERATOR, TWO TRANSMITTERS

World
EF8R (Oprs.: EA8KW, EA8RM, RA5A, RD1A, RU3XY, RW1A, RW7K, UA5C, UB6HLW, UF1F)
Donor: Array Solutions

U.S.A.
KC1XX (Oprs.: K1CC, K1QX, K1TR, KC1XX, W1FV, WA1Z, WA2OAX, KM3T)
Donor: Robert Kasca, S53R

Europe
TK0C (Oprs.: TK5EP, S53CC, S53F, S53MM, S53WW, S5500, S57C, S57K, S57L, S57VW)
Donor: D4C Monteverde Contest Team

ASEAN (XZ, HS, XW, XU, 3W, 9M, 9V, V8, YB, DU)
YE2A (Oprs.: YB0ARJ, YB1ALL, YB2DX, YB2TJV, YB5QZ, YD1SDL, YD2XVT)
Donor: Siam DX Group

MULTI-OPERATOR, MULTI TRANSMITTER

World
CN3A (Oprs.: IK2QEI, OK1RI, OK1JKT, OM6NM, OK1NY, OM6AR, OM6SZ, OK1DSZ, OK1DO, IZ1LGB, IZ1WJ)
Donor: K2GL Memorial (The K2GL Operators)

U.S.A.
K3LR (Oprs.: K3LR, K3UA, G4TSH, W2RQ, N2NC, N3SD, K5GN, K1TO, N6TV, N6AN, N3GJ, VE3RA)
Donor: W6RJ and N6RJ Memorial (Ham Radio Outlet)

Europe
9A1A (Oprs.: 9A5W, 9A9A, 9A6A, 9A7R, 9A5E, 9A8A, 9A2EU, 9A7DR, 9A7RA, 9A3SMS)
Donor: Finnish Amateur Radio League

Africa
No Entries
Donor: EA9EO Memorial

Asia
RM9A (Oprs.: RG9A, RZ8A, RA9AA, RC9A, RK9A, RL9A, RN9A, RO9A, R9CM, RW9QA, UC9A)
Donor: Nodir Tursun-Zade, EY8MM

CONTEST EXPEDITIONS

World Single Operator
9X4XX (Opr.: Alex Avramov, LZ4AX)
Donor: N6ZZ Memorial (Friends of Phil)

World Multi-Operator
A44A (Oprs.: K9NW, A45TT, VU2PTT, VU2CDP, G3XTT, WE9V, A41JZ)
Donor: CWops

SPECIAL AWARDS

World SSB/CW Combined
Yuri Onipko, VE3DZ
24,888,347
Donor: Hrane Milosevic, YT1AD

USA SSB/CW Combined
Mike Wetzel, W9RE
8,238,305
Donor: Bob Shohet, KQ2M

World RTTY/SSB/CW Combined
Yuri Onipko, VE3DZ
25,847,195
Donor: Rudy Bakalov, N2WQ

Combined SSB/CW Score 160 Meters
Jeff Briggs, VY2ZM
505,296
Donor: IT9ZGY Memorial (Team IB9T/IR9Y)

CLUB

USA SSB/CW
Frankford Radio Club
292,843,422
Donor: Northern California Contest Club

DX SSB/CW
Bavarian Contest Club
234,363,979
Donor: John Rodgers, WE3C

*Second place

2018 CQWW DX CW TOP SCORES

WORLD SINGLE OPERATOR HIGH POWER All Band

D41CV (CT1BOH) ...	16,945,236
PZ5T (VE3DZ) ...	13,909,995
T17W (KL9A) ...	13,606,227
ZF1A (N6MJ) ...	12,653,193
V47T (N2NT) ...	11,226,962
N5DX (@N2QV) ...	9,190,896
9Y4VE3EY ...	8,552,731
VY2TT (K6LA) ...	8,342,205
KP3Z (NP4Z) ...	8,131,712
CR5E (CT1ILT) ...	7,879,846

28 MHz

4M1K (YV1KK) ...	7,335
OK6W (OK1MU) ...	5,586
Y77Z (YU7EE) ...	2,414

21 MHz

PX2A (PY2LSM) ...	988,834
YW4D (YV1DIG) ...	658,160
UN9L ...	460,163

14 MHz

T05A (W6NVN @ FM5BH) ...	1,215,392
OH8X (OH6UM) ...	1,060,785
E78WW ...	1,056,511

7 MHz

FY5KE (F6FVY) ...	1,843,278
KP2M (KT3Y) ...	1,663,299
P49Y (AE6Y) ...	1,420,759

3.5 MHz

UP2L (UA9BA) ...	878,976
S57AL ...	534,480
RU9I ...	378,884

1.8 MHz

VY2ZM (K1ZM) ...	505,296
NP2J (K8RF) ...	310,440
S51V ...	242,460

LOW POWER All Band

V26K (AA3B) ...	9,024,285
4K6FO ...	2,934,166
HC2AO ...	2,858,105
7X2ARA (DL7FER) ...	2,856,196
9X4XX (LZ4AX) ...	2,590,080
GU3HFN (RL5D) ...	2,376,549
VE3VN ...	2,161,465
9M6NA (JE1JKL) ...	2,139,840
LY4L ...	1,795,311
N4TZ ...	1,724,675

28 MHz

VK4KW (VK4BAA) ...	9,472
YU1EA ...	2,160
CO8RH ...	1,958

21 MHz

YV1FM ...	326,720
SU9JG (EA7TN) ...	211,494
BD7LMD ...	210,672

14 MHz

4L2M ...	607,320
UN6LN ...	444,340
GM3X (GM3POI) ...	391,552

7 MHz

ED3O (EA3CX) ...	610,573
LA2AB (LA7MFA) ...	449,810
RX9AF ...	317,946

3.5 MHz

RW2F (RA2FA) ...	200,124
LY9A ...	165,464
LY5I ...	160,650

1.8 MHz

3V8SF (KF5EYY) ...	170,247
SM6CNN ...	77,430
HI3T ...	47,905

QRP All Band

OK2FD ...	846,560
KR2Q ...	654,783
LY5G ...	570,810
JH10GC ...	489,616
DJ1YFK ...	364,722
HA5BA ...	347,392
UR5FE0 ...	345,888
DF5RF ...	311,240

JR4DAH ...	295,348
W6JTI ...	239,428

28 MHz

US5VX ...	121
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21 MHz

UW5EJX/MM ...	49,599
OK1FKD ...	31,773
LZ2RS ...	21,556

14 MHz

PJ7/KØCD ...	72,215
YO3LW ...	59,175
UA6BFE ...	56,762

7 MHz

DR3W (DL6MHW) ...	141,520
EW3M ...	75,754
S52P ...	70,308

3.5 MHz

404A ...	79,894
OK1QM ...	58,100
E77Y ...	50,402

1.8 MHz

EU8U ...	29,146
US3IW ...	24,339
GM3YEH ...	19,488

ASSISTED HIGH POWER All Band

CN2CO (RA3CO) ...	11,165,232
KH7B (KH7XS) ...	7,899,176
DL6FBL ...	7,591,160
UP0L (UN9LW) ...	7,188,524
SN7Q (SP7GIQ) ...	7,074,816
ZF9CW (K5GO) ...	6,926,146
VE2EKA (VA2WA) ...	6,464,150
K3WWW ...	6,460,129
R2AA ...	6,453,406
KV2K (K2NG) ...	5,392,002

28 MHz

UN4L ...	6,318
LZ8R (LZ3BB) ...	5,520
VK3GK ...	2,981

21 MHz

CW4MAX (CX2DK) ...	910,690
ZY5T (PP5KX) ...	795,984
LO5D (LU8EOT) ...	498,096

14 MHz

FY5FY ...	1,632,632
S57AW ...	1,245,580
YT3X ...	1,193,247

7 MHz

UP4L (UN7LZ) ...	1,305,300
S52AW ...	1,303,715
SN3A (SP3HLM) ...	1,301,820

3.5 MHz

OM2VL ...	737,412
LY2LJ ...	700,852
SN2M (SP2XF) ...	635,688

1.8 MHz

MW5B (G3WVG) ...	300,120
UA2FF ...	273,120
G3TXF ...	217,125

ASSISTED LOW POWER All Band

P4ØW (W2GD) ...	7,088,824
HH2AA (KØ7SS) ...	4,120,308
NP2P (N2TTA) ...	3,552,120
S53A ...	2,610,000
LY6A ...	2,189,790
OL5Y ...	2,167,458
ZR2A (@ZS2PA) ...	2,110,475
SN7O (SP7IVO) ...	2,023,374
W1NT ...	2,008,110
PC3T ...	1,876,680

28 MHz

PP5JN ...	6,804
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21 MHz

TØ1A (F5HRY) ...	669,404
XØ6ØA (XØ4CW) ...	359,600
HK3TU ...	317,078

14 MHz

IH9/ØL3R (ØK1VVK) ...	756,465
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CN8KD ...	696,756
RA9AP ...	442,372

7 MHz

IH9/ØK6RA ...	913,160
MW5R (MWØEDX) ...	682,240
ØK9AA ...	612,573

3.5 MHz

GW5R (GW3YDX) ...	458,148
HA6FQ ...	210,910
HØØR (HAØNAR) ...	206,142

1.8 MHz

YT8A ...	111,510
LY4ZZ (LY2BMX) ...	92,966
SP2EQW ...	72,800

ASSISTED QRP All Band

DM2M (DK3WE) ...	1,358,424
E74Y ...	1,073,804
RT4W ...	424,620
IZ8JFL ...	355,880
RD9D ...	335,220
K8ZT ...	287,820
YU1LM ...	281,121
N3CZ ...	278,331
DM5P (DJØIP) ...	115,839
SD6F (SM6JWR) ...	115,255

21 MHz

YØ3FRI ...	37,410
HA3JB ...	21,528
HA1ZN ...	18,761

14 MHz

EÄ8CUU (ØH6CS) ...	274,014
LZ6Ø (LZ3DX) ...	238,854
IK2XDE ...	161,590

7 MHz

UT3EK ...	85,493
HA4FY ...	57,159
IW3ILM ...	43,602

3.5 MHz

ØL4W (ØK1IF) ...	92,225
DL1EFW ...	84,999
EØ3X (EAØKX) ...	77,841

1.8 MHz

DL2SAX ...	37,522
KP2BH ...	7,000
YP8A (YØ8WW) ...	3,354

MULTI-ØP SINGLE TRANSMITTER High Power

PJ4A ...	14,626,800
LZ5R ...	12,502,736
PS2T ...	12,500,096
ØM7M ...	12,399,380
IR4M ...	12,317,074
TM6M ...	12,315,000
VE3EJ ...	11,911,930
IR4X ...	11,651,946
RT6A ...	11,344,476
W3UA ...	9,953,541

LOW POWER

CR3X ...	10,557,855
VP9I ...	5,361,552
IB9T ...	4,695,360
SW9AA ...	4,462,515
IO3T ...	3,398,880
VE9ML ...	2,680,146
LY5W ...	2,664,900
ZW8T ...	2,567,960
Z37M ...	2,496,480
UW3E ...	2,317,158

MULTI-ØP TWO TRANSMITTER

EF8R ...	38,408,997
CR3ØX ...	29,719,389
P33W ...	29,509,542
CR3W ...	22,407,400
TKØC ...	17,258,072
ES9C ...	15,754,970
KC1XX ...	15,006,165
PJ4Q ...	13,861,776
6V7A ...	13,165,776
EC2DX ...	12,968,834

MULTI-ØP MULTI-TRANSMITTER

CN3A ...	36,021,070
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PJ2T ...	25,407,744
9A1A ...	20,247,360
RM9A ...	19,523,108
K3LR ...	18,415,210
W3LPL ...	18,122,232
M6T ...	17,263,452
LZ9W ...	16,831,170
DFØHQ ...	14,678,048
YT5A ...	13,078,214

ROOKIE High Power

VE7DZØ ...	1,054,356
K8PK ...	748,825
W4AQL (KN8U) ...	629,200
9Z4Y ...	311,818
IO1LA (IU1JJC) ...	193,570
LZ4AA ...	163,028
VE3MZD ...	155,194
MØWJE ...	118,104
ADØTR ...	35,380
K7TAR ...	4,674

Low Power

AA4LS ...	204,140
PY2FRQ ...	155,742
R2PU ...	134,125
BX2AFR ...	93,730
K5TMT ...	90,180
DD5XX ...	88,400
IØHEP ...	75,735
W2XK ...	67,980
N8EV ...	65,520
AAØØ ...	64,530

CLASSIC High Power

K5ZD ...	4,028,472
P4ØC (KU1CW) ...	3,724,416
KØ2M ...	3,058,674
K1DG ...	2,959,632
PYØF (PY2ZEA) ...	2,522,782
OE2S (OE2VEL) ...	2,299,136
W1WEF ...	2,069,730
EU1A ...	1,944,246
K3EL ...	1,916,190
YR8D (YØ8TTT) ...	1,827,670

Low Power

N8II ...	1,661,544
DK9IP ...	1,368,024
EÄ8ØM (DJ1ØJ) ...	1,034,208
ØN4CT ...	792,000
K1HT ...	672,212
ØK1CZ ...	642,228
JA1BPA ...	598,866
UR3LM ...	585,156
ZA/ØU2I (ØZ2I) ...	543,390
4E1A (4E1ADW) ...	542,230

MULTI-ØP SINGLE OPERATOR HIGH POWER All Band

N5DX (@N2QV) ...	9,190,896
K1LZ (YT6W) ...	7,591,192
N2IC (@N3HBX) ...	7,025,592
W1KM ...	6,232,912
K1DG ...	4,828,962

28 MHz

W4DD ...	1,134
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21 MHz

K4ØAQ ...	192,480
K2YY ...	33,970
KZ5J ...	28,028

14 MHz

N9RV ...	661,635
K1RU ...	619,950
KU2M ...	561,150</

in the 0-10 hour group (almost 40% of all participants), with the median operating time being 12.9 hours. An example comes from the experience of Franz, OE3FVU, who operated part-time saying, "I've been licensed since 1976. This is the very first time that I participated in a CW contest. It was purely coincidental as I was sorting out something between the N1MM logger and an IC7300 for a friend who had problems with the function keys. It was great fun!" Or, perhaps this experience will make you smile as conveyed by the team at MDØGLK who, after a solid 8 hours of operating said, "Our entry is by a secondary school radio club. This was the **first** CW contest for all but one operator. A fun time was had by all!"

Remember, whether you operate 30 minutes or 48 hours, you're playing in the best contest in the world.

What's Your Category?

One of the strengths (and challenges from an administrative point-of-view) of the CQWW contest is the various operating categories one can choose. There is truly something for everyone ranging from traditional single-operators all the way to multi-multi. When taking a look at the major categories,

Hours	# of Logs	% of all	cumulative %
0-5	877	17.9%	17.9%
5.1-10	1043	21.3%	39.2%
10.1-15	870	17.8%	57.0%
15.1-20	674	13.8%	70.8%
20.1-25	558	11.4%	82.2%
25.1-30	323	6.6%	88.8%
30.1-35	248	5.1%	93.8%
35.1-40	162	3.3%	97.2%
up to 41	20	0.4%	97.6%
up to 42	26	0.5%	98.1%
up to 43	18	0.4%	98.5%
up to 44	21	0.4%	98.9%
up to 45	14	0.3%	99.2%
up to 46	9	0.2%	99.4%
up to 47	11	0.2%	99.6%
up to 48	20	0.4%	100.0%
Total	4,894		

Table 2. Single-op operating time summary by number of logs.

there is quite a spread of participation as you can observe in Table 3. Perhaps of greatest note is the fact that SOAB Assisted entries dominated the field (for high power) and yet the opposite occurred within the low power categories. Hats off to those in particular that slogged it out in the QRP category. Ian, GW7APP, said it best this year, "I am still thrilled by the magic of radio and never more so than when running QRP. A big thank you to all those that struggled to get my call out of the noise!"

Impressive Accuracy Recognized

Every contest features a few elite operators that demonstrate amazing abilities when it comes to the accuracy of their logs. Not only are they rewarded with final scores that have small score reductions, but they earn the respect of their peers, which has much more value. This year, we had one golden log (for Single Operators with over 500 QSOs) from Victor, YL3GQ. In other words, no busted calls or zones. However, some of the other entries we received were equally impres-



If you look hard you'll find a couple of radios buried in this amazing setup from T17W being used by Chris, KL9A.

Category	AF	AS	EU	NA	OC	SA	ALL	% Cat
SOAB High (A)	5	127	575	645	18	34	1,404	24.8%
SOAB High (U)	3	135	284	264	16	7	709	12.5%
SOAB Low (A)	3	118	525	316	12	32	1,006	17.8%
SOAB Low (U)	15	261	860	370	28	31	1,565	27.6%
SOAB QRP (A)		8	31	11	3	2	55	1.0%
SOAB QRP (U)	1	14	99	33	3	5	155	2.7%
Checklog	4	46	331	51	7	14	453	8.0%
Multi-2	4	11	19	25	6	1	66	1.2%
Multi-Multi	1	8	14	13		2	38	0.7%
Multi-Single High	1	16	85	28	4	5	139	2.5%
Multi-Single Low	1	14	38	12	4	4	73	1.3%
ALL	38	758	2,861	1,768	101	137	5,663	
% by Continent	0.7%	13.4%	50.5%	31.2%	1.8%	2.4%		

Table 3. Entry category totals by continent.

2018 CQWW DX CW 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
D41CV	384/16/61	1197/28/83	2163/33/110	2646/33/123	2253/31/120	91/12/43
PZ5T	368/15/64	1082/26/81	2211/34/106	2681/32/111	1358/23/99	37/13/23
TI7W	381/20/48	1833/27/85	3046/32/109	2814/32/106	1536/26/87	22/11/14
ZF1A	517/17/64	1687/25/86	2695/34/105	2971/33/111	990/27/81	42/8/18
V47T	282/14/56	1171/26/80	2476/31/104	2742/30/110	1246/25/91	17/6/14

USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
N5DX	280/18/62	897/27/88	1892/34/117	1722/30/119	551/24/97	1/1/1
K1LZ	175/16/63	660/23/81	1471/27/106	1927/29/116	515/18/78	5/4/5
N2IC	135/15/61	592/21/83	1355/28/103	2016/32/122	254/22/74	4/4/3
W1KM	243/19/62	865/25/86	1225/26/93	1653/28/104	123/21/62	3/3/3
K1DG	87/15/51	388/18/71	1062/31/103	1419/30/105	291/22/86	1/1/1

WORLD SINGLE OPERATOR ASSISTED ALL BAND

Station	160	80	40	20	15	10
CN2CO	446/18/67	1010/25/90	2144/33/115	1472/31/97	1066/31/100	11/7/10
KH7B	192/21/29	690/28/72	1286/36/116	1432/37/121	1175/27/64	10/8/9
DL6FBL	266/20/87	724/32/112	1485/39/146	1518/39/144	403/33/132	30/4/20
UP0L	362/11/49	846/20/85	1905/31/122	1086/32/110	735/22/74	0/0/0
*P40W	259/17/55	597/22/84	1005/31/113	1496/30/114	828/24/83	14/9/14

USA SINGLE OPERATOR ASSISTED ALL BAND

Station	160	80	40	20	15	10
K3WW	180/21/79	435/24/96	1077/33/121	1571/34/131	300/23/87	2/2/2
KV2K	85/21/75	271/30/105	779/36/135	1011/35/150	568/29/110	0/0/0
AB3CX	114/18/65	397/22/82	886/33/116	1239/32/126	199/22/78	3/2/3
W8FJ	137/20/76	298/21/90	868/35/134	954/33/128	173/22/78	1/1/1
K1RX	172/20/70	581/24/86	758/26/91	1282/29/104	129/20/65	0/0/0

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

Station	160	80	40	20	15	10
PJ4A	117/19/74	996/29/98	2483/33/130	2034/34/129	1404/30/102	43/15/27
LZ5R	227/25/87	983/35/120	2973/39/149	3016/38/153	678/35/133	38/9/33
PS2T	107/14/50	171/33/91	1435/36/143	2051/38/158	1794/34/131	54/15/41
OM7M	283/24/93	923/36/122	2745/38/156	2770/38/156	204/33/129	36/7/36
IR4M	99/25/94	966/34/118	2625/38/155	2453/38/144	620/36/120	36/9/36

USA MULTI-OPERATOR SINGLE TRANSMITTER

Station	160	80	40	20	15	10
W3UA	180/17/77	693/27/103	1790/37/144	2042/35/145	296/28/103	4/3/4
W2FU	280/24/89	802/28/107	1123/37/137	1774/37/151	234/26/102	3/3/2
K5TR	71/25/68	203/29/104	1654/38/145	1325/37/149	188/31/100	11/7/11
K2QMF	122/12/66	348/23/97	1257/35/131	1387/32/138	247/24/91	3/2/3
W9SN	58/15/57	399/22/86	1339/32/122	1646/33/129	80/25/78	1/1/1

WORLD MULTI-OPERATOR TWO TRANSMITTER

Station	160	80	40	20	15	10
EF8R	1147/25/95	2444/36/128	4008/39/157	4156/37/152	2762/36/149	66/17/42
CR3DX	946/24/93	1894/30/112	3539/37/140	3831/37/145	2499/35/129	16/10/15
P33W	1007/22/82	2045/35/122	3816/39/158	3877/39/151	1641/33/130	81/10/28
CR3W	746/24/88	1439/30/112	3270/37/146	2885/36/142	1475/31/123	22/9/18
TK0C	1191/22/88	2947/33/119	3832/38/148	3107/37/137	1135/34/114	83/5/31

USA MULTI-OPERATOR TWO TRANSMITTER

Station	160	80	40	20	15	10
KC1XX	213/25/87	1309/34/122	2418/39/148	2213/36/154	619/29/117	11/8/8
K9CT	196/23/78	868/31/109	1230/36/139	1747/35/150	588/29/111	8/5/5
N4WW	133/19/78	675/27/104	1625/37/147	1612/34/146	570/27/109	9/8/8
K8AZ	239/26/84	558/27/98	1279/36/138	1843/34/135	520/25/98	17/4/4
N3RS	149/18/73	558/26/102	1481/36/138	1548/33/138	548/28/107	0/0/0

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

Station	160	80	40	20	15	10
CN3A	1446/25/99	2456/33/118	4321/39/157	3429/37/156	2421/36/144	88/12/31
PJ2T	1078/24/90	2095/29/100	3341/34/134	3005/36/131	2086/32/113	78/15/30
9A1A	1714/27/105	2333/34/124	3256/37/154	3092/38/159	1317/37/140	248/11/51
RM9A	1011/22/79	1857/34/114	3095/39/155	2441/37/147	1331/29/108	15/3/5
K3LR	592/27/94	1532/32/119	2580/39/156	2698/37/163	874/31/119	29/6/7

USA MULTI-OPERATOR MULTI-TRANSMITTER

Station	160	80	40	20	15	10
K3LR	592/27/94	1532/32/119	2580/39/156	2698/37/163	874/31/119	29/6/7
W3LPL	589/26/90	1571/31/119	2441/39/152	2519/37/159	1048/32/122	83/7/10
NR4M	360/21/79	962/29/104	1928/37/146	1932/34/135	582/25/100	9/4/3
NR5M	308/26/86	685/28/104	1970/38/151	1582/38/150	504/33/106	49/9/13
K1TTT	379/25/89	827/28/107	1468/34/131	1516/34/130	444/27/98	42/5/5

sive as you can discover in *Table 4*. Congratulations to all of these accurate competitors.

Some Personal Experiences

It's always interesting to learn about the operating experiences from others, especially the front-runners or those who have overcome adversity in the course of operating the contest. Let's see what a few of our fellow contesters have to say about the subject.

Experiencing the CQWW from the Winner's Chair at N5DX/N2QV

Operating SOAB HP from N2QV is a mix of terror and excitement. The station is built to win and every last tenth of a dB has been optimized for each antenna system. As a result, I set high expectations and managing each of the 172,800 seconds of the contest is crucial. Preparation for the 2018 CQWW CW contest began several months in advance with daily attention paid to skills improvement, physical conditioning, and operating strategy. While operating remotely in the 2017 CQWW CW had its conveniences, and unique rewards, I wanted to operate in person for the 2018 event. Throughout the contest, it was motivating to glance out of the shack window and see the impressive antenna arrays that magically propagated signals around the world.

For a Midwest contester, it was a thrill to experience European runs on 80 and 160 meters. Even after four consecutive years of CQWW CW from N2QV, it is still surreal to make an early afternoon QSY to 40 meters. The band is eerily quiet at this time of day, but the European signals are strong

and steady. Those European runs were invigorating and provided a needed boost to push through the fatigue of the 48-hour event. Like any other competitive event, it was a rush — managing pileups of strong signals on two bands or hunting exotic multipliers while managing one pileup. Although there is no visual or physical connection, it is interesting to think about the person on the other end of a QSO thousands of miles away and know that many of them also devoted a lot of energy and resources for a single weekend of radio excitement. —73, *Kevin, N5DX*

Competition on Steroids - KL9A@TI7W vs. N6MJ@ZF1A From the Desk of KL9A:

I am not really a single op guy, but the 2015 ZF2MJ effort sparked a fire. Dan, N6MJ, and I are fierce competitors that are always trying to push the envelope. After talking with CT1BOH during WRTC 2014 about what has now been coined “2BSIQ (two-band, synchronized interleaved QSOs),” Dan and I knew, “there is a better way.” Dan set out to prove it, and he really turned heads in that 2015 CQWW CW! I knew I had to get in on some of that, and we exchanged notes and strategies on a daily basis leading up to the 2016 CQWW CW. Our rivalry is amazing fun because we are both supported by station owners that love seeing their hardware pushed to the limits. Dan currently holds the all-time CQWW CW QSO record, but we are both confident that record is going to be destroyed multiple times if the sun ever cooperates. TI7W has broken 10,000 Qs before log checking, but not enough to officially make it over the top after cross-checking. Not only is 12,000 CW QSOs in our sights, but so is a

EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
CR5E	485/17/64	1236/24/84	1989/31/92	2447/31/107	956/28/96	247/17
OH0Z	516/13/55	1031/28/81	1654/31/102	1742/33/99	245/27/77	34/4/18
G9W	385/11/47	931/20/67	1402/30/106	1418/28/93	454/22/63	29/5/21
LY5R	373/14/61	1085/27/83	1326/32/110	1121/34/117	168/31/73	18/3/11
G3DR	620/18/65	1113/24/72	1041/26/77	1155/26/75	391/25/79	9/4/8

EUROPE SINGLE OPERATOR ASSISTED ALL BAND

DL6FBL	266/20/87	724/32/112	1485/39/146	1518/39/144	403/33/132	30/4/20
SN7Q	369/21/78	1085/33/111	1630/35/133	1322/36/133	201/32/110	83/6/24
R2AA	254/20/75	876/32/108	2149/34/131	1600/36/126	499/29/93	21/4/13
LY7Z	618/23/79	1167/30/99	1259/37/135	994/36/122	272/29/84	80/7/28
S59ABC	187/13/61	407/25/95	1518/36/132	1359/37/126	200/29/89	38/4/23

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

LZ5R	227/25/87	983/35/120	2973/39/149	3016/38/153	678/35/133	38/9/33
OM7M	283/24/93	923/36/122	2745/38/156	2770/38/156	204/33/129	36/7/36
IR4M	99/25/94	966/34/118	2625/38/155	2453/38/144	620/36/120	36/9/36
TM6M	382/20/92	1094/29/107	2458/39/150	2256/38/147	994/35/136	37/6/22
IR4X	194/22/82	885/34/116	2391/38/155	2304/38/150	818/36/130	35/7/35

EUROPE MULTI-OPERATOR TWO TRANSMITTER

TK0C	1191/22/88	2947/33/119	3832/38/148	3107/37/137	1135/34/114	83/5/31
ES9C	1397/28/99	2269/36/125	3043/38/157	2907/38/152	1097/35/126	87/6/29
EC2DX	779/22/91	1952/34/120	2708/39/146	2277/37/144	1245/34/123	57/6/27
SK3W	882/29/102	1780/36/125	2095/39/146	1744/38/145	361/33/116	60/5/28
HG7T	517/19/78	1773/36/123	2289/38/140	1788/37/147	627/34/119	73/5/32

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

9A1A	1714/27/105	2333/34/124	3256/37/154	3092/38/159	1317/37/140	248/11/51
M6T	1201/20/80	2621/35/124	3737/39/159	2404/39/148	1024/34/133	183/9/43
LZ9W	1493/25/97	2161/37/129	3708/39/156	2828/38/144	775/35/116	171/12/37
DF0HQ	1278/23/87	2226/33/120	3185/39/163	2039/39/156	799/33/113	147/6/39
YT5A	1232/22/83	1931/31/113	3476/39/153	2458/38/137	458/34/113	59/9/30

400 hour. TI7W has had a 220 QSO (30 minutes period), but the runs have never been able to sustain the magical 400 for a full hour. Sustaining rates above 300/hour for hours on end is extremely difficult. Dan and I practice daily starting around July for the November contest.

Being healthy and in good physical condition for the contest is vital to staying focused for the 48 hours of craziness. At TI7W the nutrition planning is just as important as the contest operating strategy. Winning CQWW from a 2-point location is not realistic with so many great operators in 3-point territory. However, the intense competition with the best operator in the world only 600 miles to the north is what keeps me coming back.

From the Desk of N6MJ:

For the past three years, there has been an epic battle brewing in Zones 7 and 8 in the CQWW CW contest. Dan, N6MJ (@ZF1A), and Chris, KL9A (@TI7W), have been battling it out every year and this year was no exception. Obviously there are other great competitors including the likes of CT1BOH and N2NT, but there is something special about the MJ/9A battle. We have been friends since we were teenagers. We have done many contests together, including enjoying the honor of winning WRTC as a team. But, these CQWW CW battles have really brought out the best in us. Whether its improving our respective stations, or pushing the limits in our operating abilities, every year we try to advance our skills. This year we added something a little different by reporting our scores to the live scoreboard. Chris came out as victorious in our little battle again this year, giving him two

Call	Category	Reduction	Total QSOs
YL3GQ	All Band Low	0.00%	504
OL3E	All Band Low	0.34%	1042
DL1SAN	All Band Low	0.38%	536
NF8R	All Band High	0.57%	549
UN6G	All Band Low	0.74%	543
RM8G	All Band Low	0.75%	700
RA4ACX	All Band Low	0.76%	726
K1HT	All Band Low	0.87%	729
HB9ARF	All Band High	0.94%	1522
OK1CZ	All Band Low	1.21%	1249
UR4IZ	All Band High	1.23%	1004
YU1RK	All Band High	1.46%	508
UA9FGJ	All Band Low	1.59%	546
DJ1YFK	All Band QRP	1.60%	923
R1QE	All Band Low	1.71%	597
UY5QJ	All Band Low	1.82%	675
K5ZD	All Band High	.85%	2847
N2IC	All Band High	1.92%	4356
JG5DHX	All Band Low	1.94%	501
J11RXQ	All Band Low	2.02%	1266

Table 4. Single Operator accuracy leaders with more than 500 logged QSOs.

wins and Dan with one. Who will win this year? It's hard to say, but preparation has already begun.

What does the future bring? We are both on the lookout for new stations in three-point land. Neither of us have anything specific in mind, but we will be on from somewhere. Up until now, our previous efforts have all been at the bottom of the sunspot cycle. Right now the highest QSO total in the CQWW CW is 10,014, and the highest rate hour is 387. As hard as it is to believe, a high sunspot year can yield even higher numbers. Our goal as single operators is to achieve 12,000 QSOs and a 400+ rate hour. I think we are still a few years away from those numbers, but we will continue pushing hard until we get there.

Learning CW the Hard Way but Ready to Fight Again – Jorge, EA9LZ/EE9R

I started my quest for CW skill from zero in February 2018 with the goal of being ready for the CQWW CW. I learned a hard lesson; I was not prepared enough to handle these big pile-ups. The bands were incredible. It was very difficult to pick out calls from these big pile-ups as I did not remember my experiences from previous years until the hardest moment in the contest come to me in real time. In many ways, my mind became blocked and I was unable to distinguish anything at all. It was very frustrating. Rather than simply quitting, I decided to relax for one or two hours and come back to the radio but soon the pile-up grew again or someone called me too fast for my brain to copy. I know some stations ran out of patience and they did not call me back any more. To those guys, my sincere apologies and thankfulness for trying. However, I will return next year prepared to fight these big pile-ups and be more excited than ever.

Teamwork in Argentina – The LS2D story

At the beginning of 2018, a friendship began via the smart phone application "Whatsapp," led by Daniel Dours, LU2DD

CLUB SCORES

UNITED STATES

Club	# Entrants	Score
FRANKFORD RADIO CLUB	248	292,843,422
YANKEE CLIPPER CONTEST CLUB	270	247,724,967
POTOMAC VALLEY RADIO CLUB	241	147,736,297
SOCIETY OF MIDWEST CONTESTERS	142	63,870,516
FLORIDA CONTEST GROUP	81	47,032,891
MINNESOTA WIRELESS ASSN	132	45,456,755
NORTHERN CALIFORNIA CONTEST CLUB	95	43,928,891
SOUTHERN CALIFORNIA CONTEST CLUB	72	43,694,496
NORTH COAST CONTESTERS	30	43,285,369
ARIZONA OUTLAWS CONTEST CLUB	67	39,164,405
CENTRAL TEXAS DX AND CONTEST CLUB	32	26,094,696
SOUTH EAST CONTEST CLUB	28	21,189,310
DFW CONTEST GROUP	41	19,503,483
TENNESSEE CONTEST GROUP	36	17,960,052
MAD RIVER RADIO CLUB	35	16,730,401
WESTERN WASHINGTON DX CLUB	47	16,139,899
GRAND MESA CONTESTERS OF COLORADO	26	14,778,654
CAROLINA DX ASSOCIATION	31	12,243,960
WILLAMETTE VALLEY DX CLUB	43	11,581,996
GEORGIA CONTEST GROUP	20	10,762,335
ALABAMA CONTEST GROUP	31	10,279,635
NORTHEAST WISCONSIN DX ASSN	10	8,431,800
NE MARYLAND AMATEUR RADIO CONTEST SOCIETY	21	7,260,905
THE VILLAGES AMATEUR RADIO CLUB	16	6,770,654
HUDSON VALLEY CONTESTERS AND DXERS	28	6,748,835
NIAGARA FRONTIER RADIOSPORT	21	6,280,211
KANSAS CITY CONTEST CLUB	12	5,797,368
KENTUCKY CONTEST GROUP	22	4,334,642
TEXAS DX SOCIETY	15	4,000,539
DEEP DIXIE CONTEST CLUB	13	3,824,342
BIG SKY CONTESTERS	12	3,773,517
LOUISIANA CONTEST CLUB	9	3,308,740
ROCHESTER (NY) DX ASSN	16	2,990,465
BAY AREA DXERS	7	2,866,222
SWAMP FOX CONTEST GROUP	17	2,711,391
CTRI CONTEST GROUP	9	2,418,660
MOTHER LODE DX/CONTEST CLUB	27	2,336,346
NORTH CAROLINA DX AND CONTEST CLUB	12	2,245,360
BRISTOL (TN/VA) ARC	11	1,957,296
METRO DX CLUB	13	1,787,710
NORTH TEXAS CONTEST CLUB	9	1,063,368
MILFORD OHIO AMATEUR RADIO CLUB	4	910,868
UTAH DX ASSOCIATION	14	751,059
IDAHO DX ASSOCIATION	8	677,496
SILVER COMET AMATEUR RADIO SOCIETY	6	676,304
DELARA CONTEST TEAM	5	641,707
SPOKANE DX ASSOCIATION	11	622,737
HILLTOP TRANSMITTING ASSN	9	553,830
SHENANDOAH VALLEY WIRELESS	4	552,922
MERIDEN ARC	5	512,768
BERGEN ARA	5	441,262
599 DX ASSOCIATION	6	379,188
NORTHERN ARIZONA DX ASSN	7	362,661
GREAT SOUTHERN DX ASSOCIATION	4	316,726
REDWOOD EMPIRE DX ASSOCIATION	5	308,001
GREAT SOUTH BAY AMATEUR RADIO CLUB	7	294,585
PUEBLO WEST AMATEUR RADIO CLUB	5	282,336
SOUTH JERSEY RADIO ASSOCIATION	7	279,279
MISSISSIPPI VALLEY DX/CONTEST CLUB	8	237,396
NEW PROVIDENCE ARC	7	213,059
NASHUA AREA RADIO SOCIETY	5	65,144
BRADLEY COUNTY DX ASSOCIATION	4	42,192

DX

Club	# Entrants	Score
BAVARIAN CONTEST CLUB	300	234,363,979
RHEIN RUHR DX ASSOCIATION	196	116,398,776
CONTEST CLUB ONTARIO	79	110,529,912
EA CONTEST CLUB	104	110,227,480
ITALIAN CONTEST CLUB	137	92,446,867
CLIPPERTON DX CLUB	40	81,222,051
UKRAINIAN CONTEST CLUB	184	76,881,152
RUSSIAN CONTEST CLUB	108	65,851,187
ARAUCARIA DX GROUP	48	62,022,730
CROATIAN CONTEST CLUB	56	60,662,334
CONTEST CLUB FINLAND	71	59,437,690
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	64	53,290,696
SLOVENIA CONTEST CLUB	62	46,785,997
HA-DX-CLUB	33	37,367,312
BELOKRANJEC CONTEST CLUB	15	35,619,756
SP DX CLUB	82	33,376,362
LU CONTEST GROUP	58	28,870,714
CHILTERN DX CLUB	34	26,627,031
SOUTH URAL CONTEST CLUB	17	25,207,147
BELARUS CONTEST CLUB	34	24,654,364
CONTEST CLUB SERBIA	62	18,768,387
URAL CONTEST GROUP	24	17,885,998
LA CONTEST CLUB	14	17,556,514
VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	21	15,891,881
ORCA DX AND CONTEST CLUB	37	15,434,655
MARITIME CONTEST CLUB	19	14,153,633
CONTEST GROUP DU QUEBEC	14	13,703,476
LATVIAN CONTEST CLUB	28	12,323,309
VK CONTEST CLUB	25	10,692,460
RIO DX GROUP	49	10,188,981
VU CONTEST GROUP	19	8,953,896
599 CONTEST CLUB	17	8,416,686
RIIHIMÄEN KOLMOSET	4	8,226,220
CE CONTEST GROUP	7	8,035,438
THRACIAN ROSE CLUB	73	7,520,635
RUSSIAN CW CLUB	52	7,462,894
YB LAND DX CLUB	77	5,967,896
ARIPA DX TEAM	9	5,816,346
SIAM DX GROUP	14	5,400,135

UA2 CONTEST CLUB	20	4,690,188
GIPANIS CONTEST GROUP	15	4,676,949
GMDX GROUP	9	4,206,653
GRIMSBY AMATEUR RADIO SOCIETY	7	4,074,407
RADIOSPORT MANITOBA	7	4,035,948
DANISH DX GROUP	26	3,955,537
YYP CLUB	5	3,837,385
BOSNIA AND HERZEGOVINA CONTEST CLUB	13	3,570,797
TERESINA DX GROUP	4	3,401,404
THAILAND DX ASSOCIATION	6	3,381,515
UNIO RADIOAFICIONATS VALLES ORIENTAL	4	3,262,854
ARKTIKA	14	3,174,748
BLACK SEA CONTEST CLUB	8	3,082,908
WEST SERBIA CONTEST CLUB	11	3,068,574
ANTWERP CONTEST CLUB	5	3,028,236
ALRS ST PETERSBURG	19	2,652,008
RADIO CLUB VENEZOLANO CARACAS	16	2,638,994
LITHUANIAN CONTEST GROUP	4	2,470,414
ARCK	21	2,389,002
CZECH CONTEST CLUB	4	2,291,061
IRKUTSK RADIO CLUB	10	2,152,134
YV CONTEST GROUP	5	2,149,041
SOUTH GERMAN DX GROUP	9	2,117,804
VRHNIKA CONTESTERS	5	2,112,409
SOUTHERN OSAKA CONTEST CLUB	13	2,035,171
YO DX CLUB	26	1,994,630
CATALONIA CONTEST CLUB	12	1,952,738
VERON A63 FRIESE WOUDE	4	1,948,259
SK000 SODERTORNS RADIOAMATORER	4	1,846,311
SAO PAULO CONTEST GROUP	4	1,844,250
WORLD WIDE YOUNG CONTESTERS	13	1,766,991
CENTRAL SIBERIA DX CLUB	4	1,628,424
SK6QA STENUNGSUND AMATEUR RADIO CLUB	5	1,449,625
VITEBSK CONTEST CLUB	5	1,429,407
CDR GROUP	54	1,387,721
CROWS CONTEST TEAM	6	1,380,571
SASKATCHEWAN CONTEST CLUB	4	1,270,190
RU-QRP CLUB	22	1,237,584
KEYMEN'S CLUB OF JAPAN	31	1,163,091
LKK LVIV SHORTWAVE CLUB	9	1,134,483
DOMODEDOVO	4	1,119,634
ALBERTA CLIPPERS	4	1,086,892
DUBNA DX CLUB	4	1,083,089
THREE A'S CONTEST GROUP	7	1,059,470
DONBASS CONTEST CLUB	7	1,051,902
ADMIRA ARAD	5	1,009,794
NOVOKUZNETSK RADIO CLUB	13	963,128
HAROS RADIO CLUB	5	954,552
TALLINN POLYTECHNIC SCHOOL RADIO CLUB	5	937,480
GERMAN DX FOUNDATION	11	937,228
PORT ELIZABETH AMATEUR RADIO SOCIETY	4	894,136
NEWBURY AND DISTRICT ARS	5	892,484
CS PETROLUL PLOIESTI	10	832,891
XE-DXERS	4	817,232
SK5AA VASTERAS RADIOKLUBB	9	812,503
CSU PITESTI	4	810,250
BIZ CLUB	4	801,025
UNIVERSITY OF TOKYO CONTEST CLUB	5	714,394
LA-DX-GROUP	9	703,383
TRAC RADIO AMATEUR CLUB IZMIR BRANCH	8	699,770
FUCHU AMATEUR RADIO CLUB	6	698,177
SPANDAU DXERS	5	698,135
IVANOVO DX CLUB	5	660,070
CWJF GROUP	6	644,860
VLADIMIR CONTEST GROUP	11	643,191
VOLYN CONTEST GROUP	9	579,967
KRIVBASS	6	568,647
OK1KQJ CONTEST CLUB	6	535,331
CRIMEAN CONTEST CLUB	5	510,120
CSM CRAIOVA	7	509,319
NORDX CLUB	9	493,914
AGB ACTIVITY GROUP OF BELARUS	4	461,438
FOX CONTEST CLUB	4	444,083
SAMARA RADIO CLUB	4	441,758
JAPAN CONTESTER'S CLUB	7	423,801
PEMBROKESHIRE CONTEST GROUP	11	410,343
UPPSALA RADIOKLUBB	6	375,701
SHARP HAM CLUB	7	349,762
TALL TREES CONTEST GROUP	9	342,680
OBINSK QRU CLUB	11	328,196
UR-QRP-CLUB	13	324,760
SINGLE FIGHTER DX GROUP	18	323,645
Z37M CONTEST TEAM	5	623,058
SK6AW HISINGENS RADIOKLUBB	7	308,145
SWINDON AND DISTRICT AMATEUR RADIO CLUB	6	297,260
RTTY CONTESTERS OF JAPAN	6	277,889
MEDITERRANEO DX CLUB	11	274,147
CSM BAIA MARE	4	270,347
GUARA DX GROUP	24	270,091
R4F-DX-G	5	264,092
CABREUVADX	13	262,484
UNION FRANCAISE DES TELEGRAPHISTES	4	261,627
THE AKITA DX ASSOCIATION	5	245,386
RUSSIAN DIGITAL RADIO CLUB	7	239,838
SK3JR JEMTLANDS RADIOAMATORER	4	229,723
YB6_DXC	8	219,950
FALCONS DX GROUP	6	217,814
LITTLE GUN CLUB	4	199,409
SKY CONTEST CLUB	6	183,552
MUMBAI AMATEUR RADIO INSTITUTE	10	177,887
CS SILVER FOX DEVA	5	157,532
RADIO CLUB KVARNER RIJEKA	6	148,502
SAYAN DX CLUB	10	137,624
SHAKHAN CONTEST CLUB	7	133,436
MOSCOW RADIO CLUB	5	132,748
SK2AT FORENINGEN UMEA RADIOAMATORER	5	122,386
SP CONTEST CLUB	5	113,290
CHILEAN PACIFIC DX GROUP	5	99,194
KIROVOGRAD REGION RADIO CLUB	5	97,290

(ex-LU1DK) from the city of 9 de Julio, which is 260 kilometers west of Buenos Aires, Argentina. As is often the case, friendships like these were formed via the common bond of radio and international competitions. Daniel has operated in various SSB competitions on HF for many years. This year, motivated by Daniel's invitation to host a CW contest, we were joined by several local friends and began the process of organizing a CQWW operation from LS2D.



One of the best in contesting, Dan, N6MJ, is waiting for the CQWW explosion to start from ZF1A.

TOP SCORES IN VERY ACTIVE ZONES

Zone 3		Zone 15	
K6XX	2,972,280	OHØZ (OH6EI)	5,073,376
K7RL	2,917,122	LY5R	3,943,136
K6NA	2,121,929	9A1AA	2,672,020
N7ZG	1,474,165	OM7RU	2,587,000
VE7DZO	1,054,356	OE2S (OE2VEL)	2,329,156
Zone 4		Zone 16	
VE3JM	6,729,102	R3XA	2,646,878
CF3A (VE3AT)	5,847,372	EU1A	1,944,246
W9RE	4,657,728	EW2A	1,822,176
WXØB (AD5Q)	4,017,686	*RM3F (N5ZO)	1,262,240
NA8V	3,449,274	RD4F	958,560
Zone 5		Zone 20	
N5DX (@N2QV)	9,190,896	YO3APJ	2,398,253
VY2TT (K6LA)	8,342,205	YR8D (YO8TTT)	1,827,670
K1LZ (YT6W)	7,591,192	4Z5LY	1,778,451
N2IC (@N3HBX)	7,025,592	LZ1GU	968,398
W1KM	6,232,912	4X2M (4X4DZ)	577,113
Zone 14		Zone 25	
CR5E (CT1ILT)	7,879,846	JH4UYB	4,193,798
G9W (MØDXR)	4,212,756	JE6RPM (JH5GHM)	3,874,614
G3DR (G4FAL)	3,780,424	*JH1EAQ	1,469,720
GM2V (GM3WOJ)	2,442,830	DS4EOI	1,387,090
*GU3HFN (RL5D)	2,376,549	*JI1RXQ	1,147,715

*Low Power



Enthusiasm abounds from this amazing team of great friends at LS2D.



Here is Oliver, W6NV, "standing by" for the next caller from TO5A.

After several months of planning, recruiting additional operators, station building, and other details, the contest date finally arrived and we traveled to the LS2D contest station where we met fellow colleagues LW2DOD and LW3DC who are great lovers of CW. Our arrival time at the LS2D QTH was very early in the morning allowing the necessary time to work on last minute antenna adjustments and station set-up.

We are very proud that over the years we have been able to assemble a fantastic antenna farm that includes: 160 meters: Inverted 'L'; 80 meter: 2-element 1/2-wave Ground Plane; 40 meters: Rotary dipole at a 32-meter height; 20 meters: 4-element quad at a 25-meter height; 15 meters: 3 over 3-element stacked yagis at a 35-meter height; and 10 meters: 4-element quad at a 35-meter height.

With a great team in place filled with friendship and lots of laughter, we committed right there and then to operate in the CQWW CW contest every year together. In fact, only a month earlier, several of the same guys formed our SSB team met where they also participated in this contest, making many QSOs with LU2DD.

We were very fortunate that LS2D was able to be on the air for the entire 48 hours allowed in the contest, with all operators being divided into different shifts of operation on the running stations to cover the total time of the competition in the multi-single category. Operating from South America can be very challenging, as the propagation is not easy, so we had to wait for the key openings and maximize our scoring opportunities during these times

when the bands were open to high volume areas of the world.

The CW team was composed of the following great friends: LU2DD, LW1EUD, LW2DOD, LW3DC, LW3DG, and LU6DOT. It was a great pleasure for all of us to enjoy this incredible contest and the LS2D station to the fullest. Our sincere thanks goes to our team sponsor SANITARIOS CACHO, GENRBRE who helped us in many ways. Most of all, we want to offer a big thank you to all of the stations that answered us and wish our fellow contesters around the world our best wishes from the LS2D team.

Closing Comments

And, finally, I want to give a shout-out to the vast majority of competitors who have intentionally chosen to embrace the concept of fair play in contesting. While a very small minority still chooses to cheat or look for new ways to push the envelope of rulemaking beyond its intended goals, I am encouraged by what I see in our community of friends. All being said, the CQWW contest committee will continue to be vigilant. Whether it's use of spotting by single-ops, self-spotting violations, multiple signals on one band, or power abuse we will never let our guard down in finding you and taking action.

These amazing CQWW committee members have given their best this year and I'm proud to thank them and identify each contributor by call and name including: CT1BOH, José Nunes; EA4KD, Pedro Vadillo; ES5TV, Tonno Vahk; F6BEE, Jacques Saget; GØMTN, Lee Volante; HA1AG, Zoli Pitman; IK2QEI, Stefano Brioschi; JH5GHM, Katsuhiko (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 Igland; LU5DX, Martin Monsalvo; N8BJQ, Steve Bolia; OH6LI, Jukka Klemola; PA3AAV, Gert Meinen; RA3AUU, Igor (Harry) Booklan; S50A, Tine Brajnik; S50XX, Kristjan Kodermac; UA9CDC, Igor Sokolov; VE3EJ, John Sluymer; VK2IA, Bernd Laenger; YO3JR, Andrei (Andy) Ruse; YU1EW, Zoran Mladenovic.

Thanks to all who participated in the 2018 CQWW CW Contest. I'll be looking forward to hearing you later this fall: SSB on October 26, 27 and CW on November 23, 24 in 2019! Could it only be a short five months away?

(Scores on page 95)