IARU HF Championship 2018 Results

By Bob Raymond, WA1Z (bobraymondwa1z@gmail.com)

Whether you carved out a few hours at home, traveled to a strategic QTH to maximize points per contact, or even traveled to your contest QTH by canoe, there were plenty of ways to have a great time in this year's IARU HF Championship!

The IARU HF Championship was one of the most anticipated contesting events of 2018. By itself, it is one of the most popular contests of the year, but it also benefits once every four years from added excitement surrounding the World Radiosport Team Championship (WRTC) which takes place on the same weekend. With the eighth WRTC held this year in Germany, we saw a 23% increase in submitted logs over last year, 4,946 - the second highest number of logs in the history of the contest.

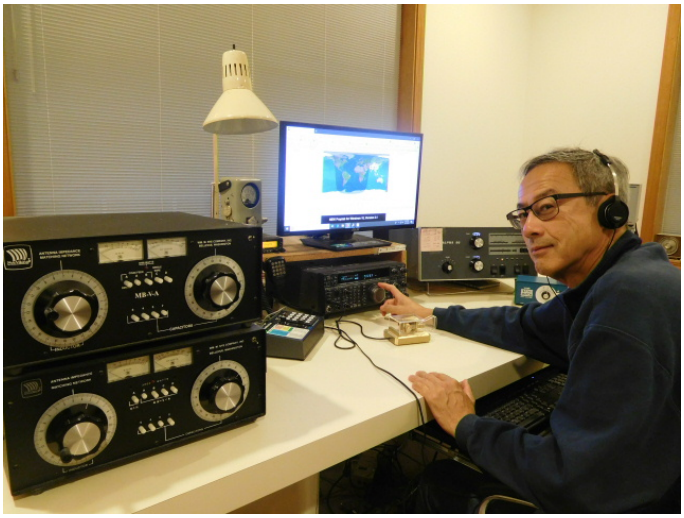
Considering where we are in the solar cycle, conditions were relatively decent. Summertime propagation in the northern hemisphere always presents a challenge, but with a little adjustment in expectations and some patience, there were interesting contacts to be found this year.

There were many reports that polar paths were in good shape. Bill, KH7XS, expressed disappointment with low band conditions in his post on 3830scores.com, but reports he was able to capitalize on excellent night time conditions on both 20 and 15 meters. It was the first time he had ever heard short path from Europe at 10PM local time. He even worked a few of the low-powered WRTC stations on 20 meter Phone.

Carl, WS7L (operating as W7TVC), has a challenging path between his QTH in Oregon and eastern Europe, but reported on 3830scores.com that auroral flutter usually experienced on Scandinavian signals was lower and found copying Russian and Ukrainian stations less of a struggle than in the past.

Rich, VE3KI, made a last-minute decision to skip operating from his home station in favor of operating the VY1AAA remote station at VY1JA's QTH in Whitehorse, Yukon Territory. Knowing the path to Europe would be in sunlight for the entire contest, he opted to spend most of his time on 20 meters and managed to work 48 of the 63 WRTC stations across the polar path. Rich even managed one QSO each with England and Canary Islands on 40 meters in between focusing on the southern paths through darkness on the low bands.

Farther to the east, Pierre, VE3KTB, operated VYØERC, handing out Zone 75 to the deserving while battling windy and snowy conditions on the ground.



Even when operating in a Phone category, the CW paddle is never out of reach for 1st Place W/VE Phone Only winner, Dan, W7WA (photo courtesy of W7WA)

Single Operator

For the third year in a row, the P33W superstation in Cyprus was home to the highest Single Operator, Mixed-Mode, High Power score. Each time, the station has been piloted by a different person with Sergey, UT5UDX, doing the honors this year. Sergey also set a new category record with a score of nearly 6.7 million and a significant lead over second place finisher, Slava, UA4HTT (operating as UA4S). Phil, VA3AT, finished third in the World and first place in W/VE.

Axel, KI6RRN, is the first place champion in the Mixed-Mode, Low Power category operating from WA6TQT's impressive station southeast of Los Angeles. Axel was the only operator in this challenging category to to break 1 million points this year, just shy of 2,000 QSOs. Max, UR3CMA/UY7C, put in a fantastic effort in second place, making over 1,300 QSOs.

If Low Power isn't challenging enough, there is always QRP where LZ1YE took advantage of some high band openings to break 1,000 QSOs and beating out LY5G for the best overall QRP score.

In the Phone Only category, Rein, ES5RW, bested Damir, RK9AX, in a competitive race in the High Power class. Meanwhile, Bill, K4XS, pushed his KH7XS station on the big island of Hawaii to a third place finish.

Dan, W7WA, is often found in the Phone Only High Power category finishing at or near the top of the W/VE standings. Dan's effort this year is no exception with another impressive first place result from western Washington state. He reports being mindful that July is typically a challenging time of year for propagation to Japan even from the northwest corner of the US 7th Call Area. To make matters worse, Dan says this year only "a handful of Europeans [were worked] on 15, 20 and 40, almost all of which were the big HQ stations."

So what does Dan enjoy about the IARU contest year in and year out? "More than 1,600 W/VE callers kept me busy," he says, "even when the sunspot count is down I still enjoy tuning the bands during the IARU to see what summertime propagation will offer."

Olivier, ON4EI, frequently visits Ireland and usually operates using a green energy power source. Unable to use his wind-powered generator due to calm breezes this year, Olivier opted to operate with solar power. After a second place finish in 2016 in the Phone Only, Low Power category, he improved his score in 2018 to a decisive first place finish.

Single Operator, CW Only, High Power was the most competitive category this year. R3ZZ, RG6G, KP2M and UR5MW (operating as UW1M) all finished with over 2.7 million points and within just 35,000 points of each other. In the end, Alex, R3ZZ, edged out Alexey, RG6G, for first place. RG6G worked more QSOs, but R3ZZ was able to overcome Alexey's effort with a slightly higher multiplier count. Similarly, W1KM, K1KI, and N4AF (operating as NY4A) fought it out for the top spots in W/VE. Howie, N4AF, worked the most QSOs with over 2,400, but Greg, W1KM, and Tom, K1KI, were able to take advantage of multiplier opportunities to overcome Howie's rates. By the end, W1KM finished just ahead of K1KI for first place.

In CW Only, Low Power, Paolo, IK3QAR piloted IR4M to first place in the World in his first serious Single Operator effort in the IARU HF. Larry, K7SV, took the top spot in W/VE while managing to just break into the World Top Ten.

In the QRP categories, first place World in Phone goes to Gabor, HA5NB, and CW goes to Helder, CT7AJL.

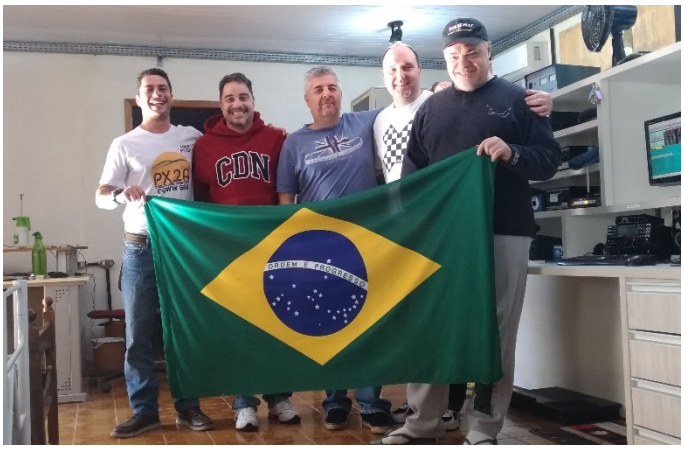
Single Operator Unlimited

Three new world records were set in the fledgling Unlimited categories this year. Leonid, RA5A, and Alexandr, UA5C, both traveled to Canary Islands and set new Phone Only, High Power and CW Only, High Power records, respectively. Not to be left out by his fellow countrymen, Jack, R2AA, countered with a new Mixed-Mode, High Power record from his home QTH.

Vic, N8OO, earned the top W/VE score in the Mixed-Mode High Power category, while Clint, W9AV, finished atop Mixed-Mode, Low Power (more on Clint's operation later). Robert, NX5M, delved into QRP Mixed-Mode while in the midst of a new station build to make over 600 QSOs and run away with first place in W/VE.

Multioperator

After a second place finish in 2017, the team at RM9A took first Place in the World from their QTH in Asia with RU1A taking second place overall and the top score in Europe. The team at HG6N edged-out country rivals HG7T for third place. For the second straight year, the K5TR team finished in first place in W/VE.



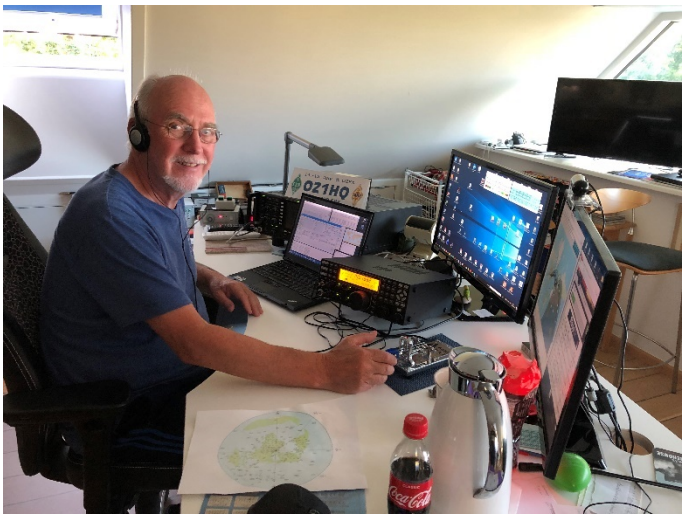
Team PX2A members PY2s BK, DY, EL, PT, and XV showing their national pride while celebrating their first place South America and eighth place World effort (photo courtesy of PY2PT)

Headquarters and IARU Special Stations

The rivalry among the national societies from France, Germany, and Spain continued with all three teams finishing at the top of the Headquarter Societies standings for the third straight year. TMØHQ (REF, France) wins this round with DAØHQ (DARC, Germany) finishing second and last year's winner, EF4HQ (URE, Spain) finished third.

NU1AW (IARU) operations were shared between the stations of K9CT and WB9Z. W1AW (ARRL) was

staffed by a smaller-than-usual team of just seven operators at one station, WW4LL.



Harald, OZ8X, hosted 20 meter CW operations for OZ1HQ (photo courtesy of Henning, OZ1BII)

Special IARU Stations	
IARU Headquarters Stations (# indicates multiple callsigns with different digits were used)	
Call	Score
TMØHQ	22,916,663
DAØHQ	21,369,952
EF4HQ	20,319,926
SNØHQ	20,029,321
OL8HQ	19,693,278
S5ØHQ	18,185,401
GR2HQ	18,179,856
9AØHQ	17,748,039
EM5HQ	17,334,384
IOØHQ	16,394,455
YTØHQ	16,030,800
LZ7HQ	14,656,655
YRØHQ	13,859,058
OPØHQ	13,544,184
LYØHQ	13,177,395
HGØHQ	12,799,920
OEØHQ	12,563,592
YL4HQ	11,918,434
OH2HQ	11,717,124
OZ1HQ	10,253,091
PA6HQ	9,227,823
NU1AW	5,783,301
R3HQ	5,706,300
SXØHQ	5,392,740
LX8HQ	5,026,131
CQ3HQ	4,843,944
LUØHQ	4,138,930
Z3ØHQ	3,850,620
BØHQ	3,183,104
W1AW	2,776,332
UN1HQ	2,745,905
8NØHQ	2,426,880
SJ8HQ	2,082,234
TF3HQ	2,081,990
ER7HQ	1,622,910
EIØHQ	1,425,080
DXØHQ	1,229,460
PJ2HQ	1,087,448
A47RS	781,585
E2HQ	679,525
HBØHQ	677,853
HC2GRC	535,230
IO6HQ	523,820
VA2RAC	511,746
YEØHQ	344,844
TC3HQ	318,518
P4ØHQ	276,624
VP9HQ	189,900
3V8CB	159,120
ZF1A	142,104
VE9RAC	134,199
ZL6HQ	121,880
A71HQ	73,476
4O1HQ	59,880
CX1AA	51,696
ZS9HQ	42,893
BVØHQ	26,820
V55HQ	15,614
VO1RAC	4,512
VR2HK	611
SP9PEE	72
IARU Administrative Council Stations	
G5W	2,913,480
LA2RR	1,272,370
PB2T	135,818
VE6SH	79,065
IARU R1	
F4GKR/P	626,454
DJ3HW	280,980
SM6EAN	246,840
IV3KKW	17,850
IARU R2	
YV5AM	419,152
PT2ADM	46,729
VE3YV	32,422
9Y4X	12,650
IARU R3	
JA1CJP	145,544
VK3MV	924

Thanks to the World Wide Radio Operators Foundation (WWROF, www.wwrof.org) for providing the log-scoring for the HQ station competition.

Hams Just Wanna Have Fun

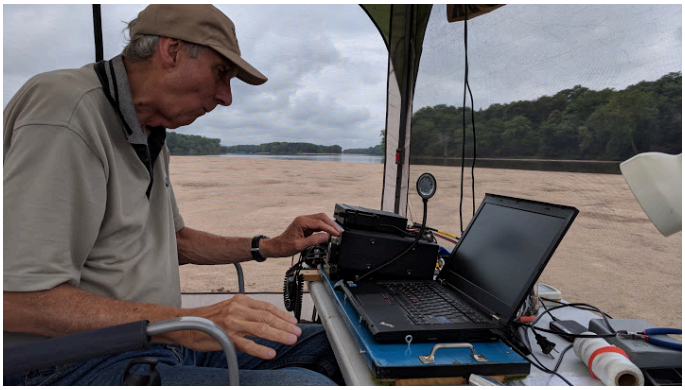
Sometimes it can be fun to try something entirely new or something that hasn't been done in a while. Breaking out of the usual routine can keep things interesting. The important thing is to do something that is *fun to you* and use a contest to work on your operating skills. Several of us used IARU HF to do just that.

Some folks, such as K1LT, used the high activity on the bands to work on their ARRL International Grid Chase numbers.

"Dink", N7WA, reported on 3830scores.com he had not done an all-band DX contest in years. Even though he is in the middle of a shack remodel, he decided to operate All-Band, CW Only, High Power this year, and did quite well in the process. While Dink says staying awake for the full twenty-four hours was a "real struggle," he had an ingenious way to help him get through those final hours: he set a kitchen timer to ring every 20 minutes, just in case he fell asleep!

"It never had to wake me up, thankfully," he says.

Clint, W9AV, didn't set out to do a "serious contesting event" as he describes. Rather, this year's effort was a "trial-run for additional operations" from a special site, a sandbar near his cottage along the Wisconsin River.

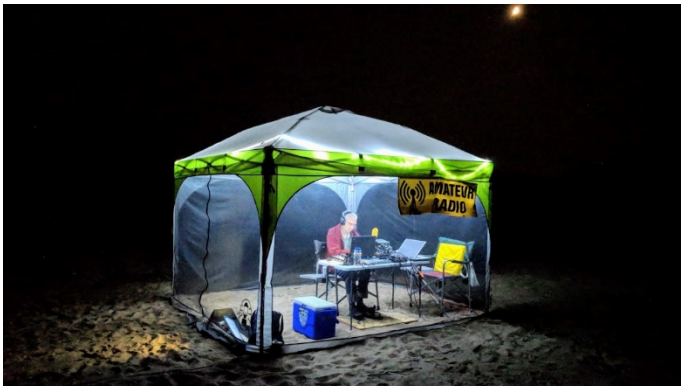


Clint, W9AV, operating his generator-powered station (photo courtesy of W9AV)

Clint and his childhood friend Quent, W6RI, had hoped to operate from the sandbar during Field Day in June to re-live a similar experience they had as kids when they operated portable from an island along the Mississippi and Alabama border. Unfortunately, high water levels prevented them from making the trip before Quent had to return home to California.

However, the sandbar became accessible in time for IARU HF. With Clint's wife providing a helping hand, the pair transported station equipment over two canoe trips to the sandbar. Although they were delayed three hours due to thunderstorms, once on the sandbar, they erected a 16-foot ground-mounted vertical, base-loaded for 40 and 80 meters, with 10 radials buried in the wet sand.

Clint reflected on the operation saying, "Since [the sandbar] is away from civilization and power lines, the noise level was low except for the thunderstorm QRN. With few obstructions and a good view of the horizon in all directions, we had a decent signal, although some stations that we could hear could not hear us".



Clint digs out signals on the low bands after sunset (photo courtesy of W9AV)

Still, with a generator-powered, 100-watt station, Clint's trial run resulted in 800 QSOs in 19 hours of operation, good enough to earn first place in the Single Operator Unlimited, Mixed-Mode, Low Power category!

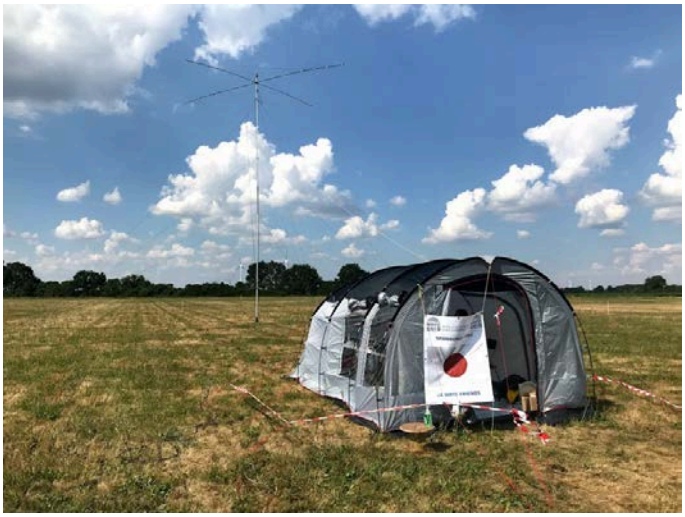
World Radiosport Team Championship

The eighth World Radiosport Team Championship (www.wrtc2018.de) was held this year near Wittenberg, Germany with 63 two-person teams competing against each other. WRTC teams operated under special Multioperator, Two Transmitter rules that precluded them from entering IARU HF Championship, officially, but anyone who had propagation to Germany heard these low power stations all over the bands.

With all operating sites situated in the eastern part of the country that once comprised of the German Democratic Republic (East Germany), the organizers secured permission to assign callsigns from a now-rare prefix, Y8, once used to identify stations from the area prior to German Reunification in 1990. Again, something different to make things *fun*!

In the hours leading up to the event, many prognostications being shared among the attendees at the WRTC Headquarters hotel included seeing Gedas, LY9A, and Mindis, LY4L, on the medal podium at the closing ceremony. After a disappointing sixth place finish at WRTC2014, a score that was undoubtedly tamped-down by a computer failure that left them without the ability to use a second radio for several hours, Gedas and Mindis (operating as Y81N) finally achieved their goal of winning WRTC gold in Wittenberg.

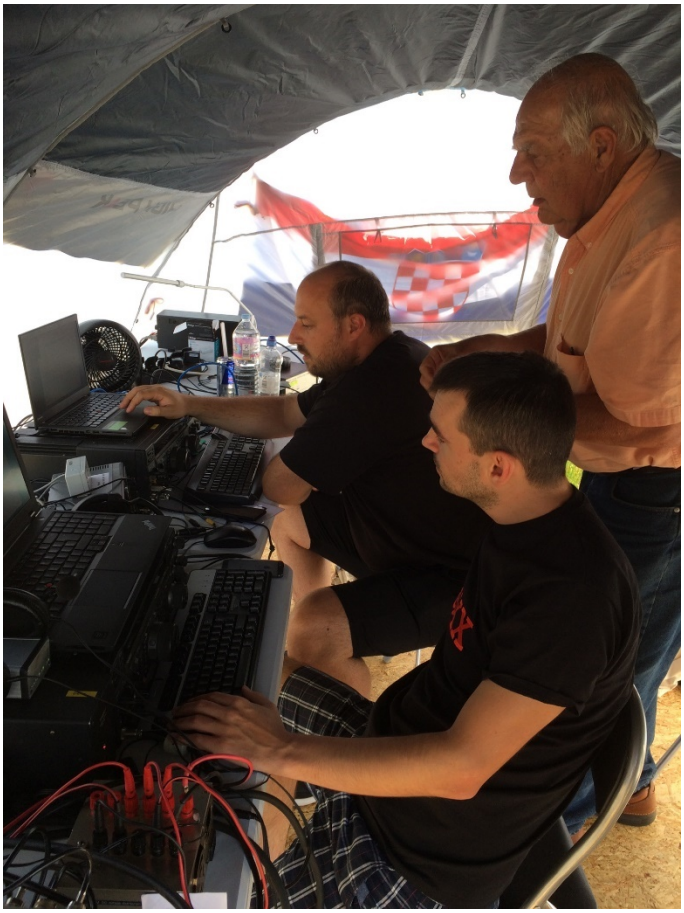
Much to the delight of the hundreds of hardworking volunteers that made WRTC 2018 a tremendous success, hometown heroes Manfred, DJ5MW, and Stefan, DL1IAO, (operating as Y81A) took the silver. Defending gold medalists Dan, N6MJ and Chris, KL9A (operating as Y82V) took the bronze.



All WRTC 2018 stations had the same antennas on equal terrain. Each boasted a rotatable Spiderbeam for 20-10 meters, a 40 meter dipole along the tribander's boom and a fixed 80 meter dipole. (photo courtesy of 9M6NA)

The organizers created several awards to encourage IARU HF participants to dig deep and work the teams. There was a Sprint competition (work all the 63 stations as quickly as possible), a Distance Challenge (add up the number of Kilometers per QSO), and some old-fashioned Worked All WRTC awards.

A staggering 44 of the 63 teams broke the 4,000 QSO barrier from their low power stations. None of those incredible numbers would have been possible without the many contesters who made working WRTC stations their primary focus.



Dave, 9A1UN, and Hrvoje, 9A6XX, prepare their WRTC station under the watchful eye of their referee, Kurt, W6PH. Dave and Hrvoje operated as Y81U and finished in 16th place. (photo courtesy of W6PH)

Let's Do It Again!

Be sure to save the date for another exciting weekend in the 2019 IARU HF Championship scheduled for July 13-14 starting at 1200Z.

One of the great aspects of IARU HF Championship is that it is an everyone-works-everyone contest with lots of activity worldwide in a compact 24 hours. The contest is now in its seventh consecutive year of receiving over 4,000 log entries. Sunspots or not, the bands will be filled with plenty of opportunity to have some mid-summer fun! And with so many mode and power categories to choose from in this contest, you don't necessarily have to travel to a special location to garner some bragging rights for a year.

See you then!

Top Ten Scores

United States and Canada			World			United States and Canada			World	
Single Operator						**Single Operator Unlimited**				
Mixed-Mode, High Power						**Mixed-Mode, High Power**				
VE3AT	2,169,856		P33W (UT5UDX, op)	6,691,344		N8OO	2,342,312		R2AA	4,242,793
N2NT (N2NC, op)	1,445,994		UA4S (UA4HTT, op)	2,813,184		K1XM	1,932,052		HA1AG	3,657,798
KØEJ	1,277,545		VE3AT	2,169,856		N3QE	1,656,648		LY5E (LY2IJ, op)	3,170,500
W6TK	648,750		ZF9DX (N5DX, op)	2,123,311		K7RL	1,293,240		UA4M (RL4R, op)	3,048,878
AA1ON	502,455		N2NT (N2NC, op)	1,445,994		W3UA	1,155,855		R8TT	2,997,120
K4PV	398,924		LY9Y	1,426,092		K3WW	983,840		UZ3A (UX1AA, op)	2,434,656
N4NO	350,406		KØEJ	1,277,545		WO4O	887,276		N8OO	2,342,312
NØIJ	341,991		EW1I	1,229,695		K9OM	718,116		OG7A (OH6MW, op)	2,203,067
K5TA	316,080		C4W	1,173,788		VE3RZ	686,192		OG6N	2,016,550
NS2N	166,257		OM7RU	1,052,929		KØKX	634,550		HA6P (HA6PX, op)	1,943,128
Mixed-Mode, Low Power						**Mixed-Mode, Low Power**				
KI6RRN (@WA6TQT)	1,001,470		KI6RRN (@WA6TQT)	1,001,470		W9AV	222,400		9A1AA	890,178
N8II	461,201		UY7C	794,052		N1EN	182,189		YU2A	830,088
WB8WKQ	202,631		7Z1SJ	757,996		N8VV	165,435		RV9UP	810,579
K4YJ	158,928		RA3Y	729,932		KS1J	142,870		EW1P	759,525
WN6K	140,112		USØYA	492,450		K6GHA	127,421		RL4A	715,430
N6NF	136,255		N8II	461,201		NU4E	122,158		OL5Y	649,200
VE3TG	117,104		UW8SM	410,319		K8GT	88,755		SE4E (SM4DQE, op)	539,172
AA4NU	109,515		EU3A	369,764		W4EE	75,237		IQ5JA (IZ5ICH, op)	502,600
K4EJ	105,252		G4WGE/P	362,672		VE3PJ	75,205		IT9RBW	434,160
WA2JQK	75,705		YL3AD	325,500		W4KAZ	62,293		HA4FB	427,500
Mixed-Mode, QRP						**Mixed-Mode, QRP**				
N9EP	70,810		LZ1YE	418,424		NX5M	248,240		HA5PP	262,056
W5RZ	69,388		LY5G	377,585		K8ZT	73,358		NX5M	248,240
N7JI	12,950		DK7HA	285,796					DL/UA9CDC	107,416
VE3WZ	10,222		LZ5QZ	169,820					DL6OCH	90,720
K2GMY	8,100		EM9Q (UR9QQ, op)	154,440					RM3G	77,179
N3CI	3,806		HG6C (HA6IAM, op)	147,628					K8ZT	73,358
WA7BME	11		YU1LM	132,435					PE2K	67,425
			HA5BA	130,950					LZ2AF	42,570
			UT5EOX	94,640					YO6LB	35,862
			RW3AI	92,644					DM9KT	35,370
Phone Only, High Power						**Phone Only, High Power**				
W7WA	1,230,460		ES5RW	2,559,624		W3LL	618,192		EF8R (RA5A, op)	5,131,506

NA3D	348,612		RK9AX	2,278,472		AD5XD	403,250		4M1K (YV1KK, op)	2,320,178
W6AFA	179,654		KH7XS (K4XS, op)	1,780,800		NR6Q	333,823		EU1A	2,134,418
ND4Y	161,120		CR6K (CT1CJJ, op)	1,676,072		K5LLA	177,550		EW6W	2,029,272
WV4P	155,946		W7WA	1,230,460		N5HC	167,600		EA3PT	1,843,704
N4MM	147,320		HA3DX	975,637		W7ZZ	166,020		RJ4P	1,614,354
NC6R	129,660		US5D (UT7DX, op)	882,960		N8BI	120,734		EF1W (EA1WS, op)	1,515,618
W5GFI	128,526		EA3CI	862,950		WT1A	95,448		MØNKR	1,234,620
K9MWM	88,785		DMØY (DL3BQA, op)	808,320		W4KW	69,819		S54ZZ	1,218,084
KD3GC	85,885		IR4K (IZ4JUK, op)	734,068		VE6AO (VE6TC, op)	68,409		RWØAR	977,772
Phone Only, Low Power						**Phone Only, Low Power**				
KI6SYM	113,620		EI7T (ON4EI, op)	1,261,002		KI5MM	82,450		IK4LZH	576,816
W1LX	103,395		IW1FRU	431,641		N7MZW	49,096		UA9R	431,148
KM4ZQE	74,024		F4VSE	348,084		KG5LRP	47,740		YO7SR	428,460
WZ8T	72,226		ED7R (EA7GX, op)	343,335		KA2KON	43,784		EC5NJ	392,035
VA3TPS	69,615		UA3BL	295,218		K4SBZ	42,543		YT5IVN	374,210
WA4JA	46,320		PA2TMS	292,908		WUØB	37,947		UT8EL	237,474
WT8WV	37,037		KP2/AA1BU	250,635		K4ELI	36,876		DL1MHJ	197,492
VA3GD	33,867		RU6YJ	246,844		KF4WLS	32,832		DM2BR	171,336
N2ESP	30,456		7Z1IS	237,390		K4BBH	29,920		UT1DX	148,444
NC4MI	29,716		UN7ZAF	235,664		KM4VTE	21,318		OE1GAQ	136,000
Phone Only, QRP						**Phone Only, QRP**				
KA8SMA	10,340		HA5NB	114,660					LZ1DM	116,920
KK7VL	210		HB9EGA	72,263					SM5SYO	10,560
VO1RCH/VE9	168		HF1ØØI	40,071					DG3YJB	2,739
WD4IYE	78		DL6MDG	33,957						
KC9AMM	72		9A4OP (9A4OP/QRP, op)	26,598						
ADØBI	52		UR7TV	24,992						
VA3MYC	45		OV18FWC (SP2UUU, op)	22,630						
			PAØAWH	21,420						
			SQ8MFB	17,628						
			YO9XC	17,160						
CW Only, High Power						**CW Only, High Power**				
W1KM	1,934,748		R3ZZ	2,755,860		KO7SS	1,932,322		EF8U (UA5C, op)	6,052,800
K1KI	1,873,840		RG6G	2,734,814		N3RS	1,854,600		RT9A	3,240,321
NY4A (N4AF, op)	1,789,896		KP2M	2,733,321		KØRF	1,699,785		RC9A	2,507,363
W9RE	1,353,540		UW1M (UR5MW, op)	2,721,151		N5ZO	1,358,325		LY6A	2,187,000
W6YX (N7MH, op)	1,316,453		OG2P (OH2PM, op)	2,055,306		K5RT (NM5M, op)	1,228,759		RT9S	2,167,700
WXØB (AD5Q, op)	1,308,277		W1KM	1,934,748		AB3CX	1,214,094		S57DX	2,094,224

W5KFT (K5PI, op)	1,296,114		K1KI	1,873,840		N2YO	1,162,752		KO7SS	1,932,322
N4OGW	1,251,300		NY4A (N4AF, op)	1,789,896		K1MK (@K1TTT)	1,112,714		HA3LN	1,881,390
N3BB	1,229,712		YT6W	1,710,000		VE3NNT	1,046,622		N3RS	1,854,600
W7RN (N6TV, op)	1,214,580		R3XA	1,658,935		K1LT	924,854		RW9OW	1,844,622
CW Only, Low Power						**CW Only, Low Power**				
K7SV	685,056		IR4M (IK3QAR, op)	1,851,554		W3KB	438,615		UA4W	2,231,138
W1NN	459,192		LY5R	1,607,157		WA1FCN	356,970		UT4LW	1,682,070
WB4TDH	346,830		RU6K	1,398,256		KØZU	286,418		SP4JCQ	1,134,045
KØAD	308,750		4Z4AK	1,287,612		K1DJ	258,664		S53A	1,095,390
W1QK	301,301		YL2QN	957,348		K9WX	229,368		R7MM	1,039,640
VA3SB	285,000		S51J	923,970		N4DW	221,234		R3QA	935,740
WI2E	253,992		HA8BE	845,728		AB9YC	218,519		DL3DTH	873,415
N4IJ	146,704		UA5F	801,320		VE3TM	206,640		LZ9R (LZ3YY, op)	842,370
K4ORD	142,086		RX9AF	738,299		KE2D	205,896		UX1UX	811,900
W5RYA	140,544		K7SV	685,056		VE3YT	*187,407*		RA9AP	754,230
CW Only, QRP						**CW Only, QRP**				
W6JTI	112,259		CT7AJL	297,066		W3YI (W3YJ, op)	95,268		UR6EA	604,960
K2YGM	71,230		UA6AK	201,500		KJ4M	8,256		HG5A (HA5IW, op)	590,083
K8CN	52,390		DL/OLØA (OK1CZ, op)	170,624		N2CQ	4,185		EA3KX	250,393
KB8V	33,040		YL3IZ/MM	162,680		KA8HDE	4,012		SMØLPO	227,808
NE5TH	32,238		OH5YU	146,744		NX2PX	150		UT3EK	144,728
N7RCS	23,296		HG3C (HA3HX, op)	130,816		KC1DVT	20		W3YI (W3YJ, op)	95,268
W5LA	19,721		S53AR	125,356					US5EFU	92,070
K1SX	13,536		W6JTI	112,259					OK2AP	44,806
KB8PGW	12,384		PA9CW	80,080					PD2DX	44,352
N3GD	11,200		OK2HBY	78,848					UT5WAA	41,268
Multioperator, Single Transmitter, High Power										
K5TR	1,988,216		RM9A	5,184,428						
K8AZ	1,556,892		RU1A	4,483,916						
NØNI	1,452,816		HG6N	3,137,673						
N7AP	956,836		HG7T	2,965,599						
K2LE	943,365		OM7M	2,808,895						
W1TJL	850,080		RM4F	1,998,055						
W1OO	835,430		K5TR	1,988,216						
VE3MIS	727,260		PX2A	1,606,446						
W2Z	715,662		K8AZ	1,556,892						
W6PNG/VY2	626,301		RK3T	1,504,808						

Regional Leaders

HP: Over 150W; LP: 150W or less; QRP: 5W or less: SO: Single Operator; MS: Multi-Single; MIX: Mixed-Mode

West Coast Region
Pacific, Northwestern, and Southwestern ARRL Divisions; Alberta; British Columbia, and NT RAC Sections

Call	Score	Cat
Single Operator		
W6TK	648,750	MIX-HP
WC6H	129,779	MIX-HP
WA6URY	82,215	MIX-HP
W6RKC	45,890	MIX-HP
NU7J	42,159	MIX-HP
KI6RRN (@WA6TQT)	1,001,470	MIX-LP
WN6K	140,112	MIX-LP
N6NF	136,255	MIX-LP
WA7NWL	38,055	MIX-LP
AD7XG	8,649	MIX-LP
N7JI	12,950	MIX-QRP
K2GMY	8,100	MIX-QRP
N7JI	12,950	MIX-QRP
K2GMY	8,100	MIX-QRP
W7WA	1,230,460	PH-HP
W6AFA	179,654	PH-HP
NC6R	129,660	PH-HP
AI6LY	32,200	PH-HP
K7STO	24,662	PH-HP
KI6SYM	113,620	PH-LP
WZ8T	72,226	PH-LP
NF7E	22,796	PH-LP
K7XE	9,243	PH-LP
KE8FT	9,204	PH-LP
KK7VL	210	PH-QRP

Midwest Region
Dakota, Midwest, Rocky Mountain and West Gulf ARRL Divisions; Manitoba and Saskatchewan RAC Sections

Call	Score	Cat
K5TA	316,080	MIX-HP
K5ZG	38,304	MIX-HP
AE5P	297	MIX-HP
KØKR	51,700	MIX-LP
AF5CC	35,108	MIX-LP
WA5DSS	33,465	MIX-LP
KØUK	27,144	MIX-LP
WA5LFD	22,896	MIX-LP
N3CI	3,806	MIX-QRP
WA7BME	11	MIX-QRP
W5GFI	128,526	PH-HP
K9MWM	88,785	PH-HP
KDØJLE	21,168	PH-HP
AD8B	18,270	PH-HP
WE6EZ	13,452	PH-HP
NØEMU	22,100	PH-LP
NW5Q	20,984	PH-LP
K5LAD	13,254	PH-LP
W7KAM	11,286	PH-LP
KØSCO	6,048	PH-LP
ADØBI	52	PH-QRP

Central Region
Central and Great Lakes ARRL Divisions; Greater Toronto Area, Ontario East, Ontario North, and Ontario South RAC Section

Call	Score	Cat
VE3AT	2,169,856	MIX-HP
NØIJ	341,991	MIX-HP
K9LA	12,423	MIX-HP
N8RY	9,455	MIX-HP
WX8C	3,820	MIX-HP
WB8WKQ	202,631	MIX-LP
K4YJ	158,928	MIX-LP
VE3TG	117,104	MIX-LP
VA3EC	70,728	MIX-LP
W8MET	52,546	MIX-LP
N9EP	70,810	MIX-QRP
VE3WZ	10,222	MIX-QRP
ND4Y	161,120	PH-HP
K8AO	35,580	PH-HP
AA8DC	27,404	PH-HP
WA9ZVF	16,260	PH-HP
K9AMP	5,236	PH-HP
VA3TPS	69,615	PH-LP
VA3GD	33,867	PH-LP
KB8UUZ	26,418	PH-LP
K4TG	14,560	PH-LP
N8JBR	12,800	PH-LP
KA8SMA	10,340	PH-QRP
WD4IYE	78	PH-QRP
KC9AMM	72	PH-QRP
VA3MYC	45	PH-QRP

Southeast Region
Delta, Roanoke, and Southeastern ARRL Divisions

Call	Score	Cat
KØEJ	1,277,545	MIX-HP
K4PV	398,924	MIX-HP
N4NO	350,406	MIX-HP
N4CF	79,200	MIX-HP
W4RTN	33,784	MIX-HP
N8II	461,201	MIX-LP
AA4NU	109,515	MIX-LP
K4EJ	105,252	MIX-LP
WA1PMA	22,302	MIX-LP
K4VOZ	19,061	MIX-LP
W5RZ	69,388	MIX-QRP
WV4P	155,946	PH-HP
N4MM	147,320	PH-HP
KD3GC	85,885	PH-HP
KA8Q	72,590	PH-HP
AB4EJ	33,174	PH-HP
KM4ZQE	74,024	PH-LP
WA4JA	46,320	PH-LP
WT8WV	37,037	PH-LP
N2ESP	30,456	PH-LP
NC4MI	29,716	PH-LP

Northeast Region
New England, Hudson and Atlantic ARRL Divisions; Maritime and Quebec RAC Sections

Call	Score	Cat
N2NT (N2NC, op)	1,445,994	MIX-HP
AA1ON	502,455	MIX-HP
NS2N	166,257	MIX-HP
W1XX	163,467	MIX-HP
WS9M	112,800	MIX-HP
WA2JQK	75,705	MIX-LP
WA2QAU	62,128	MIX-LP
W1OP (NE1Y, op)	42,813	MIX-LP
W8TOM	42,581	MIX-LP
W3IUU	41,230	MIX-LP
NA3D	348,612	PH-HP
N2MUN	19,393	PH-HP
4U1WB (AJ3M, op)	17,765	PH-HP
W1BDB (WA1OEZ, op)	10,773	PH-HP
VE9PLS	2,581	PH-HP
W1LX	103,395	PH-LP
N3XZ	17,112	PH-LP
KS2G	15,105	PH-LP
N2MTG	12,815	PH-LP
W3MBC	11,970	PH-LP
VO1RCH/VE9	168	PH-QRP

W6YX (N7MH, op)	1,316,453	CW-HP		WXØB (AD5Q, op)	1,308,277	CW-HP		W9RE	1,353,540	CW-HP		NY4A (N4AF, op)	1,789,896	CW-HP		W1KM	1,934,748	CW-HP
W7RN (N6TV, op)	1,214,580	CW-HP		W5KFT (K5PI, op)	1,296,114	CW-HP		NA8V	1,014,720	CW-HP		N4OGW	1,251,300	CW-HP		K1KI	1,873,840	CW-HP
K6NA	763,040	CW-HP		N3BB	1,229,712	CW-HP		W5MX	705,888	CW-HP		K4RO	1,174,080	CW-HP		WC1M	1,191,726	CW-HP
WJ9B	574,164	CW-HP		NØAT	373,434	CW-HP		K8GL	582,992	CW-HP		KU8E	615,438	CW-HP		VE9AA	948,012	CW-HP
N7WA	549,486	CW-HP		KØNM	364,832	CW-HP		K8MP	281,644	CW-HP		W4CB (W2RU, op)	412,965	CW-HP		AA1K	769,885	CW-HP
K6LRN	43,807	CW-LP		KØAD	308,750	CW-LP		W1NN	459,192	CW-LP		K7SV	685,056	CW-LP		W1QK	301,301	CW-LP
W6ZL	40,310	CW-LP		N4IJ	146,704	CW-LP		VA3SB	285,000	CW-LP		WB4TDH	346,830	CW-LP		WI2E	253,992	CW-LP
K7HBN	33,184	CW-LP		W5RYA	140,544	CW-LP		N1RU	69,092	CW-LP		K4ORD	142,086	CW-LP		N2EM	118,992	CW-LP
KM6Z	31,050	CW-LP		N5KWN	137,530	CW-LP		W8TM	69,020	CW-LP		WA5SOG	95,264	CW-LP		N2AN	108,715	CW-LP
VA6WWW	26,363	CW-LP		AE5GT	111,384	CW-LP		AF8A	53,900	CW-LP		N4HA	49,140	CW-LP		N8NA	107,424	CW-LP
W6JTI	112,259	CW-QRP		NE5TH	32,238	CW-QRP		KB8PGW	12,384	CW-QRP		KB8V	33,040	CW-QRP		K2YGM	71,230	CW-QRP
AC6YY	8,642	CW-QRP		KEØTT	4,028	CW-QRP		VE3IGJ	2,280	CW-QRP		N7RCS	23,296	CW-QRP		K8CN	52,390	CW-QRP
W6MZ	3,900	CW-QRP		NWØM	4,000	CW-QRP		AB8FJ	448	CW-QRP		W5LA	19,721	CW-QRP		K1SX	13,536	CW-QRP
AA6OC	2,784	CW-QRP										N3GD	11,200	CW-QRP		VE9HF	9,022	CW-QRP
N6HI	376	CW-QRP										W4ER	1,575	CW-QRP		K6NR	4,356	CW-QRP
Single Operator Unlimited																		
K7RL	1,293,240	MIX-HP		KØKX	634,550	MIX-HP		K9OM	718,116	MIX-HP		N8OO	2,342,312	MIX-HP		K1XM	1,932,052	MIX-HP
W6SX	293,514	MIX-HP		KØMD	452,892	MIX-HP		VE3RZ	686,192	MIX-HP		WO4O	887,276	MIX-HP		N3QE	1,656,648	MIX-HP
K6RC	186,501	MIX-HP		N5ZC	329,056	MIX-HP		N2BJ	253,312	MIX-HP		AD8J	487,630	MIX-HP		W3UA	1,155,855	MIX-HP
VYØERC	152,048	MIX-HP		K7UT	200,420	MIX-HP		ND9G	231,162	MIX-HP		AA5AU	421,104	MIX-HP		K3WW	983,840	MIX-HP
N6WIN	132,370	MIX-HP		KI6QDH	92,245	MIX-HP		N4QS	192,740	MIX-HP		N4WW	304,722	MIX-HP		K3AJ	501,737	MIX-HP
K6GHA	127,421	MIX-LP		NXØI	39,000	MIX-LP		W9AV	222,400	MIX-LP		NU4E	122,158	MIX-LP		N1EN	182,189	MIX-LP
KA7T	49,800	MIX-LP		VE5SF	37,582	MIX-LP		N8VV	165,435	MIX-LP		W4EE	75,237	MIX-LP		KS1J	142,870	MIX-LP
K7JA	36,024	MIX-LP		WXØZ	27,360	MIX-LP		K8GT	88,755	MIX-LP		W4KAZ	62,293	MIX-LP		N3ZA	60,606	MIX-LP
WQ6X	5,111	MIX-LP		WDØGTY	17,420	MIX-LP		VE3PJ	75,205	MIX-LP		N6DW	45,045	MIX-LP		VA2CZ	58,621	MIX-LP
KE6QR	3,990	MIX-LP		KE5LQ	17,100	MIX-LP		AB8OU	23,919	MIX-LP		KM4SII	34,320	MIX-LP		VE2EBK	54,905	MIX-LP
				NX5M	248,240	MIX-QRP		K8ZT	73,358	MIX-QRP								
NR6Q	333,823	PH-HP		AD5XD	403,250	PH-HP		N8BI	120,734	PH-HP		W4KW	69,819	PH-HP		W3LL	618,192	PH-HP
W7ZZ	166,020	PH-HP		K5LLA	177,550	PH-HP		VA3ZNQ	46,592	PH-HP		NN2T	53,737	PH-HP		WT1A	95,448	PH-HP
VE6AO (VE6TC, op)	68,409	PH-HP		N5HC	167,600	PH-HP		VA3TIC	34,580	PH-HP		K4ADB	51,405	PH-HP		WC3N	31,122	PH-HP
W7GYM	7,524	PH-HP		KBØVHA	52,096	PH-HP		KG8I	25,080	PH-HP		K4FX	44,786	PH-HP		AB2DE	18,975	PH-HP
NX6D	6,601	PH-HP		K5AVY	2,834	PH-HP		KD8QBV	8,184	PH-HP		K4HDW	44,000	PH-HP		K4JDF	18,144	PH-HP
KD6TR	15,850	PH-LP		KI5MM	82,450	PH-LP		KF4WLS	32,832	PH-LP		K4SBZ	42,543	PH-LP		KA2KON	43,784	PH-LP
WA7YXY	7,956	PH-LP		N7MZW	49,096	PH-LP		VE3MXJ	14,742	PH-LP		WUØB	37,947	PH-LP		KC3INR	9,261	PH-LP
W7CO	5,075	PH-LP		KG5LRP	47,740	PH-LP		N9VPV	9,917	PH-LP		K4ELI	36,876	PH-LP		KC1ELF	2,944	PH-LP
KB7JJG	1,560	PH-LP		KDØIRW	11,025	PH-LP		N9UDO	8,470	PH-LP		K4BBH	29,920	PH-LP		KD2JOE	2,640	PH-LP
KI6SCT	252	PH-LP		K5LGX	6,688	PH-LP		NW8F	936	PH-LP		KM4VTE	21,318	PH-LP		KC2OSR	1,067	PH-LP
N5ZO	1,358,325	CW-HP		KØRF	1,699,785	CW-HP		VE3NNT	1,046,622	CW-HP		N2YO	1,162,752	CW-HP		KO7SS	1,932,322	CW-HP

			K5RT												
W6RW	571,376	CW-HP	(NM5M, op)	1,228,759	CW-HP	K1LT	924,854	CW-HP	N4BP	844,277	CW-HP	N3RS	1,854,600	CW-HP
VE7KW	328,338	CW-HP	NØAV	670,176	CW-HP	VE3UTT	817,292	CW-HP	W4NZ	764,884	CW-HP	AB3CX	1,214,094	CW-HP
			K5CM									K1MK		
K7QA	218,815	CW-HP	(W5CW, op)	655,340	CW-HP	N8BJQ	593,216	CW-HP	K3IE	521,240	CW-HP	(@K1TTT)	1,112,714	CW-HP
VE7XF	214,926	CW-HP	AC4CA	331,698	CW-HP	K8AJS	303,795	CW-HP	K2SX	388,675	CW-HP	N2GC	730,455	CW-HP
NX1P	145,134	CW-LP	KØZU	286,418	CW-LP	K9WX	229,368	CW-LP	WA1FCN	356,970	CW-LP	W3KB	438,615	CW-LP
K6WSC	120,260	CW-LP	KØVBU	117,968	CW-LP	AB9YC	218,519	CW-LP	N4DW	221,234	CW-LP	K1DJ	258,664	CW-LP
K7JQ	14,237	CW-LP	WØGJ	35,156	CW-LP	VE3TM	206,640	CW-LP	NN5O	163,134	CW-LP	KE2D	205,896	CW-LP
K7GS	6,195	CW-LP	K5TMT	27,150	CW-LP	VE3YT	187,407	CW-LP	W4PM	154,429	CW-LP	AB1J	172,672	CW-LP
K7TQ	5,208	CW-LP	WØSEI	14,085	CW-LP	VE3MV	93,240	CW-LP	K2MK	92,400	CW-LP	W2IY	140,070	CW-LP
												W3YI		
			KA8HDE	4,012	CW-QRP				KJ4M	8,256	CW-QRP	(W3YJ, op)	95,268	CW-QRP
												N2CQ	4,185	CW-QRP
												NX2PX	150	CW-QRP
												KC1DVT	20	CW-QRP
Multioperator Single Transmitter														
N7AP	956,836	MSHP	K5TR	1,988,216	MSHP	K8AZ	1,556,892	MSHP	AD4ES	604,808	MSHP	K2LE	943,365	MSHP
NX6T	584,514	MSHP	NØNI	1,452,816	MSHP	VE3MIS	727,260	MSHP	NA5NN	429,441	MSHP	W1TJL	850,080	MSHP
K7BTW	471,639	MSHP	W5FMH	207,151	MSHP	VE3YAA	230,736	MSHP	W5GAD	89,320	MSHP	W1OO	835,430	MSHP
AF6O	448,476	MSHP	W7SU	1,179	MSHP	N8YXR	65,946	MSHP	WK1DS	74,880	MSHP	W2Z	715,662	MSHP
K7ZS	442,557	MSHP				W8DC	5,103	MSHP	NN4SA	30,866	MSHP	W6PNG/VY2	626,301	MSHP