



# IARU HF Championship

## 2013 Results

By Nate Moreschi, N4YDU

### Good or bad conditions – contesters are here to play

Heading into the contest on July 13th the high bands were showing occasional signs of hope, but unfortunately that was not the case as the starting bell rang. Regardless, contesters toughed it out and made the best of conditions. That led to some tough decisions for all-band participants—in the end operators who showed the patience to collect multipliers and higher-point QSOs often prevailed.

The less than optimal propagation didn't keep the crowds down as 4035 total logs were submitted from 121 different DXCC entities. That's just 19 logs shy of the record-setting mark from 2012.

As for records, you may have already guessed that given the struggle on the high bands there weren't many new records set this year — in fact, just two. On the world stage, P3N set the new Multioperator-Single Transmitter record from Cyprus with 9.5M points. In Single-Operator, QRP, Mixed Mode for the U.S. and Canada, Steve, KØOU, fashioned a score of 222K from 671 contacts and 121 multipliers to best the previous record of 187K set by NØKE in 2008.



**Al Dewey (KØAD) put in a full effort and finished second overall in the W/VE Mixed-Mode, Low Power Category. He was first overall in the U.S. from his Minnesota QTH. (Photo courtesy of KØAD)**

### W/VE Multioperator-Single Transmitter (MS)

After finishing fourth in 2012, the crew at K8AZ galloped to the top spot in the MS category with 1.526 million points. Tom's crew put up big numbers on 20 meters with 951 contacts and 75 mults to beat the group at both VE3UTT and K2LE. VE3UTT tallied 782/71 on 20 meters while K2LE pocketed 642/77.

#### Top Ten, Multioperator, US and Canada

K8AZ	1,526,844
W1SJ	1,348,235
K1BG	1,308,124
K1ZD	1,291,636
VE3UTT	1,250,238
K1GQ	1,170,178
W1UJ	1,163,526
K2LE	1,135,717
N3AD	1,101,825
W7RN	1,068,617

The IARU HF Championship is a great opportunity to try out a team effort, as noted by Brent, WR5O. *"I have been trying to build a team for a while and it is finally starting to come together. Two of us are seasoned and the rest are rookies but they learned quickly and had a great time. Thanks to Lloyd, AI5H; Rick, KB5KYJ; Lori, KF5QKR; and Rendy, KF5QJC, for being a great team. Here is to many more together."* Brent's Multioperator squad made 878 QSOs for about 175K points from West Texas..

### W/VE Single-Operator (SO), Mixed Mode

Last year, Rob, VE3AT, earned a hard-fought triumph in Single-Operator (SO), Mixed Mode, High Power and repeated with a win in 2013. Rob's score of 2.24M was enough to hold off second-place and top USA station KQ2M's 1.86M. So what was the difference? Rob finished with 542 more contacts and 14 additional multipliers to seal the deal. Twenty meters was his big band with 1245 contacts.

VE3BR dominated the Low Power section with 528K to take top W/VE honors while KØAD was second with 255K and W3KB was third with 239K. Despite the poor conditions, KØOU toughed it out from Missouri, focusing on 20 meters to win the Mixed QRP category for W/VE. His 222K is rather impressive when considering it would have placed him in the Low Power top five.

## Top Ten, Single-Operator, US and Canada

### Single-Operator, Mixed Mode, QRP

KØOU	222,277
N1TM	60,312
KT8K	56,480
W1MR	55,930
KB1HNZ	42,944
KU4A	27,873
AF9J	3,410
W4TTY	868

### Single-Operator, Mixed Mode, Low Power

VE3BR	528,090
KØAD	255,789
W3KB	239,121
NWØM	209,440
KB9OWD	208,608
VE3IAE	190,365
NN6CH	177,540
K8GT	160,072
VE4YU	150,480
WA6FGV	114,750

### Single-Operator, Mixed Mode, High Power

VE3AT	2,247,705
KQ2M	1,867,323
K6XX	1,646,052
K7RL	1,613,772
K3ZO	1,405,680
WØEWD @NØNI	1,196,902
K3WW	1,167,088
K9NW	1,116,585
K4BAI	1,024,976
K4AB	966,868

### Single-Operator, Phone Only, QRP

W6QU (W8QZA, op)	52,487
NT4TS	24,500
N4ZAK	5,181
VA3VF	4,592
WBØIWG	4,224
N5HMH	2,885
KK7VL	1,635
AB3RW	1,000
KC2QPP	3

### Single-Operator, Phone Only, Low Power

N1UR	715,040
WB4OMM	179,524
VE1WOW (K1WO,op)	121,793
N7MZW	101,838
W5GFI	99,960
K6GHA	94,909
K8PGJ	79,488
KA2KON	50,562
HI3K	45,288
K1KNQ	42,966

### Single-Operator, Phone Only, High Power

W7WA	1,474,070
K5TR	1,368,324
W4SVO	970,640
WA5OYU	478,519
K5ER	419,975
N5MV	379,344
KØRH	248,744
AD5XD	236,670
K1PLX	211,692
N4MM	149,112

### Single-Operator, CW Only, QRP

K1IMI	228,161
K8CN	84,108
K3TW	53,956
VE3MGY	50,138
K4MF	46,314
K7HBN	29,344
AI9K	20,900
AA1CA	20,412
VA3RKM	20,280
VE2KOT	17,370

### Single-Operator, CW Only, Low Power

VE3DZ	552,972
WJ9B	504,974
W7YAQ	498,400
KV8Q (W8ERD, op)	487,105
N5AN	452,160
KU8E	353,457
WA1FCN	341,055
W1NN	331,484
NA8V	329,666
N2GA	316,276

### Single-Operator, CW Only, High Power

AA3B	1,701,083
W9RE	1,495,494
WXØB (AD5Q, op)	1,453,921
KØRF (WØUA, op)	1,231,601
K5OT (@K5NA)	1,215,984
K4RO	1,204,645
K5KG	1,168,307
K9CT	1,012,420
KZ5D	916,050
K2SSS	862,040

## W/VE Single-Operator, CW

Given the tough conditions, CW entrants probably chose the easier of the two modes for the event. Taking top honors in the High Power category was AA3B from Pennsylvania. Certainly no stranger to the top of the leaderboard, Bud really enjoyed working the WRTC-2014 test stations. His 1.7M edged out Midwest power W9RE who finished with 1.495M. Yuri, VE3DZ, frequently travels for major contests but elected to stay home and try out his station at a new QTH near Niagara Falls. Needless to say it paid off. He finished first in the CW, Low Power Category with a score of 552K, followed by 504K from Will, WJ9B.

Bert, N4CW, can be found in North Carolina during the winter months but during the summer he heads to Maine. Signing K1IMI, Bert navigated his KX3 to a QRP CW victory for the 2013 IARU event with 228K.

## W/VE Single-Operator, Phone

Dan, W7WA, and George, K5TR, fought a pretty close duel in the High Power, Phone category. In the end, it was W7WA edging K5TR by a little more than seven percent (1.4M vs. 1.3M). Dan logged 2086 QSOs from Washington (122 less than George did from his Texas QTH) but collected 22 more mults for the final margin of victory.



*Focusing on a single mode – phone – Ed, N1UR, won the W/VE Single-Operator, Phone-Only, Low Power competition. (Photo courtesy of N1UR)*

Ed, N1UR, has made a big name for himself in the Low Power arena. Ed's operating ability, coupled with his station building expertise, has resulted in many wins for him from Vermont. The IARU contest is a Phone-only event for Ed. After setting the W/VE record for LP Phone in 2012, he followed up with another win in 2013 and a final score of 715K. Ed is a big CW operator but prefers to focus on one mode at time when contesting – the strategy is obviously paying off for him. Ed observed, "This is always an interesting mix of everyone-works-everyone (with) the zone and HQ mults strategy being uniquely different."

QRP and Phone can really test one's patience. Braving the category and winning was W8QZA who operated from W6QU in San Diego to score 52.4K points.

## World Multioperator-Single Transmitter

Cyprus is apparently the place to be for the IARU contest when it comes to going after the world MS title. In 2012, P33W set a new world record with 9.1M points. The group followed up with an impressive 8.77M in 2013 but finished second to P3N's 9.5 million for a new world MS benchmark.

### Top Ten, Multioperator, DX

P3N	9,500,568
P33W	8,773,776
UZ2M	4,212,170
IR4X	3,678,584
OHØX	3,361,764
HG6N	3,157,632
HG7T	2,506,518
ED3X	2,390,491
HA3ØS	2,344,528
RG3K	2,254,880

## World Single-Operator, Mixed Mode

On the world stage in the popular Mixed category, it was RG9A scaring the 4M mark for first place. His total of 3.88M nipped RV6LNA who drove A65BP to 3.3M. RG9A's balanced overall attack proved to make the difference. Rounding out the top three is UN9LW's 2.97M from UPØL.

In the popular Low Power race, YL3AIW made a category-best 1940 contacts and scored 1.46M for the top spot. In the QRP sector, RU5TT (UA3TW, op) took the gold with 414K points.

### Top Ten, Single-Operator, DX

#### Single Operator, Mixed Mode, QRP

RU5TT (UA3TW, op)	414,447
KP4KE (NP4LW, op)	392,586
HA5BKV (HA5NB, op)	323,330
HA5MY	279,744
IZ8JFL	224,154
OK7CM	219,674
JR3RWB	195,624
US2IZ	189,658
9A2EY	177,408
YU1LM	161,400

#### Single Operator, Mixed Mode, Low Power

YL3AIW	1,469,100
RV9UP	1,311,234
PS2T (PY2NY, op)	1,280,760
LY7Z	1,258,400
LY6A	1,254,152
HC2AO	1,186,185
R7MM	1,174,240
RM3F (UA3DPX, op)	1,025,050
HA7GN	924,235
UW5U	874,056

#### Single Operator, Mixed Mode, High Power

RG9A	3,888,378
A65BP (RV6LNA, op)	3,319,614
UPØL (UN9LW, op)	2,974,947
UT5UGR	2,636,010
YT5A (YT1AD, op)	1,758,834
UA9MA	1,420,608
RM2U	1,340,700
OG6N	1,310,768
4O3A (YU1YV, op)	1,279,780
PY2EX	1,205,443

#### Single Operator, Phone Only, QRP

DL8LR	221,450
HA5BGG	141,267
EA9CD	99,000
IZ7FLP	97,552
SP2QOT	83,707
SP4LVK	78,840
HB9EGA	64,000
EA5AX	61,919
US5IND	58,750
S57LR	54,600

### Single Operator, Phone Only, Low Power

KH6LC (NH6V, op)	1,318,429
EA8MT	1,258,719
EI1A (ON4EI, op)	1,167,372
ZZ2T (PY2MNL, op)	984,906
9A0D (DK8ZZ, op)	868,248
UX9Q (UR9QQ, op)	838,600
HA4XH	828,168
UZ7M (UT9MZ, op)	777,811
IB1B (IW1QN, op)	770,592
UV8M (UX3MR, op)	767,250

### Single Operator, Phone Only, High Power

ZW5B (PP5XX, op)	3,178,539
EI7M (EI3JZ, op)	2,951,690
H2T (5B4XF, op)	2,521,966
CE3CT	2,215,476
YT8A (YU1EA, op)	2,138,600
HG3R	2,043,468
EA4KD	2,006,470
ES5RW	1,946,516
E73M	1,789,408
RT27TT	1,658,370

### Single Operator, CW Only, QRP

HA6NL	506,016
HG3M	293,433
DD1IM	233,130
SM0THU	216,845
UA6AK	198,263
RA3AN	189,342
OK1NG	181,382
JR4DAH	167,508
RN4HAB	139,253

### Single Operator, CW Only, Low Power

LZ9R (LZ3YY, op)	1,446,027
RA9AP	1,283,076
D3AA	1,157,760
UA3RF	1,060,272
LY5R	967,554
SP4JCQ	958,403
CN8KD	935,200
DD5M (DJ0ZY, op)	830,060
S51F	817,362
R4WDX	764,211

### Single Operator, CW Only, High Power

EF8S (OH2BYS, op)	3,729,264
6V7S	3,523,531
UT0U (UT5UDX, op)	2,650,641
UA5C	2,634,126
OH6LI	2,394,220
RU9AC	2,244,550
R3ZZ	2,207,148
OL8M	2,123,736
OQ5M (ON5ZO, op)	1,898,514

## World Single-Operator, CW

This turned into a two station race and in the end it was a battle of multipliers and QSO points that proved to be the difference – not total QSOs.

OH2BYS took full advantage of his trip to the Canary Islands and powered EF8S to 3.7M for top honors. Not far behind with 3.5M was 6V7S from Senegal. Interestingly enough, 6V7S logged 2903 contacts and EF8S recorded 2393. The 510-QSO deficit was overcome by a strong advantage in multipliers as EF8S prevailed with 83 (336 to 253). EF8S scored the majority of those extra multipliers on the low bands with 28

coming on 160 meters. Who says Top Band is useless in the summer?

LZ9R (LZ3YY, op) scored 1.44M for first place in the world for Low Power, while the QRP title went to HA6NL who dominated the 5 watt battlers with 506K.

## World Single-Operator, Phone

Points-per-QSO played a big role in determining the winner of the Phone HP category as ZW5B (PP5XX, op) finished first with 3.17M. While EI7M (EI3JZ, op) had more than 300 additional contacts and 25 more multipliers, the powerful Brazilian station made up for it with total QSO points.

Low Power was taken by NH6V, operating at KH6LC in Hawaii to pocket 1.3M. Not too far behind was EA8MT with 1.25M. DL8LR claimed the QRP trophy with 221K.

## Continental Leaders

Table shows Call, Score, Category and Power. For Category: A=Mixed Mode, B=Phone Only, C=CW Only, D=Multioperator. For Power, A=QRP, B=Low Power, C=High Power.

Call	Score	Category	Power
<b>Africa</b>			
EA8CQW	57,886	A	B
EA8ZS	112	A	C
EA9CD	99,000	B	A
EA8MT	1,258,719	B	B
D3AA	1,157,760	C	B
EF8S (OH2BYS, op)	3,729,264	C	C
ED8W (EA8DO, op)	649,910	D	C
<b>Asia</b>			
JR3RWB	195,624	A	A
RV9UP	1,311,234	A	B
RG9A	3,888,378	A	C
JA2MWV	10,472	B	A
HZ1BW	500,760	B	B
H2T (5B4XF, op)	2,521,966	B	C
JR4DAH	167,508	C	A
RA9AP	1,283,076	C	B
RU9AC	2,244,550	C	C
P3N	9,500,568	D	C
<b>Europe</b>			
RU5TT (UA3TW, op)	414,447	A	A
YL3AIW	1,469,100	A	B
UT5UGR	2,636,010	A	C
DL8LR	221,450	B	A
EI1A (ON4EI, op)	1,167,372	B	B
EI7M (EI3JZ, op)	2,951,690	B	C
HA6NL	506,016	C	A
LZ9R (LZ3YY, op)	1,446,027	C	B
UT0U (UT5UDX, op)	2,650,641	C	C
UZ2M	4,212,170	D	C
<b>North America</b>			
KP4KE (NP4LW, op)	392,586	A	A
CM3DSE	13,872	A	B
KL7SB	94,643	A	C
CL2PL	363	B	A
KP2/AA1BU	610,776	B	B
YS1/NP3J (JA6WFM, op)	370,656	C	B
XE1MM	108,360	C	C
KP3Z	1,704,669	D	C



### Oceania

YB2LSR	123,282	A	B
VK3TDX	901,740	A	C
KH6LC (NH6V, op)	1,318,429	B	B
WH7Z (WØCN, op)	375,877	B	C
KH7M (KH6ZM, op)	76,425	C	A
ZL3TE (W3SE, op)	302,940	C	B
VK2IM	717,267	C	C
ZM1A (ZL3CW, op)	164,082	D	C

### South America

PS2T (PY2NY, op)	1,280,760	A	B
PY2EX	1,205,443	A	C
LU6EVD	144	B	A
ZZ2T (PY2MNL, op)	984,906	B	B
ZW5B (PP5XX, op)	3,178,539	B	C
PY6TS	55	C	A
PY4HO	318,384	C	B
PP1CZ	702,615	C	C
PR1T	2,244,200	D	C

In addition to W1AW/4 there was plenty of activity from NU1AW/3 (led by W3LPL). NU1AW/3 topped the W1AW/4 crew by a score of 9.1 million to 8.7 million. The W1AW crew used an online system to follow the status of all of the portable operations. It provided quite a bit of excitement for those involved.

### IARU Member Society Headquarters Stations

Headquarters and Administrative Council station scores were tabulated by the World Wide Radio Operator's Federation ([www.wwrof.org](http://www.wwrof.org)) and are listed as a courtesy to the Amateur Radio community.

Call	Score
DAØHQ	26,011,224
EFØHQ	25,769,500
TMØHQ	24,434,251
R3HQ	23,238,744
OL3HQ	21,194,068
SNØHQ	21,034,804
GR2HQ	20,903,985
S5ØHQ	19,662,008
9A28HQ	19,542,000
IOØH	19,403,338
YTØHQ	19,094,520
EM5HQ	15,615,063
YRØHQ	15,002,030
LRØØF	14,968,670
HGØHQ	14,355,550
PA6HQ	12,445,286
E7HQ	12,318,045
LYØHQ	11,832,168
LZ7HQ	11,627,916
OZ1HQ	10,969,758
HB9HQ	10,741,159
NU1AW	9,127,010
W1AW	8,762,698
SXØHQ	8,396,658
LN2HQ	7,532,265
YL4HQ	7,231,432
ER7HQ	6,970,340
8NØHQ	6,077,207
CX1AA	5,695,976
OH2HQ	5,458,153
EW5HQ	4,727,910
XR3HQ	4,035,060
UN1HQ	3,989,466
ZW2HQ	3,954,375
Z3ØHQ	3,483,032
B5HQ	3,398,164
ES9A	3,315,786
SK9HQ	3,174,125
OPØHQ	2,662,044
7TØHQ	1,668,744
DXØHQ	1,634,685
T49C	1,394,109
TC3HQ	1,229,472
VA3RAC	1,223,017
ZL6HQ	1,206,478
ZF1A (ZF2AH, op)	902,325
BMØHQ	792,582
YEØHQ	769,239
4K1HQ	596,484
XE1LM	593,475
HK3LR	550,784
ET3AA	366,685
JU1HQ (JT1DA, op)	291,118
HBØHQ	281,880
XVØHQ	231,686
CT1ETK	178,885
SU1SK	69,325
ZS9HQ	29,040
VK5WIA (VK5CP, op)	16,328
VR2HK	3,220
H18RCD (H18KW, op)	1,755
9M4DXX (9M2CLN, op)	84
I2VGV	36



The German team at DAØHQ moved back into first place in 2013 with an exceptional effort in the IARU Headquarters Station competition. (Photo courtesy DAØHQ)

## Headquarter Station Battles

A unique feature of the IARU HF Championship is created by the IARU Headquarters (HQ) station multipliers. Chasing them across multiple bands and modes adds quite a bit to the strategy for both single-op and multioperator stations. And it's a lot of fun, too!

Headquarters stations are pretty easy to find on the HF bands during this event. They are typically loud and plentiful. HQ competitions can be quite competitive and 2013 was no different. DAØHQ edged out both EFØHQ and TMØHQ to claim this year's crown. DAØHQ was third in 2012 but switched spots with TMØHQ for the triumph. Many Potomac Valley Radio Club members got the thrill of signing W1AW/4 (coordinated by NR4M and described below) during the event and enjoyed keeping up with the progress of each station through an online scoring system.

## IARU Administrative Council Stations

In addition to ITU Zones and Headquarters Stations, IARU Administrative Council stations count as multipliers. Finding these stations in the QRM can be a challenge for the most seasoned operator. Nonetheless, there were 10 AC stations active with YV5AM setting the pace with 1.5 million points and 1,648 contacts. The Venezuelan standout was followed by strong performances from YBØAZ and VC6IARU.

### IARU Administrative Council Stations

Category	Call	Score
AC	VC6IARU	244,256
AC	PB2T	142,614
AC	LA2RR	122,808
R1	LZ1US	180
R2	YV5AM	1,165,554
R2	YBØAZ	1,026,534
R2	JA1CJP	201,260
R2	CE3PG	28,040
R2	9Y4X	47,357

## W1AW/4 on 10 Meter Phone

Here in the U.S., a team of Potomac Valley Radio Club members enjoyed the thrill of signing W1AW/4 during the event. With several stations working together, keeping up with the progress of each station required an online scoring system that coordinated operation over the Internet. The author relates his story of operating as W1AW/4 on 10 meters from the station of Will, AA4NC, in Apex, North Carolina near Raleigh.

Ten meters is a band that often gets passed by during the summer months because of poor propagation. But the band does open up during the summer – regardless of where the Sun is in its 11-year cycle. Will and I were given the task of holding down 10 meter SSB. Will was gracious enough to give me most of the prime operating time. When 1200 UTC struck we were ready to go. The six-element Yagi at 80 feet was aimed to the Midwest and the QSOs began to trickle into the logbook.

The band yielded some propagation to W8, W9 and WØ. There wasn't a big run to be had but it was enough to keep us hopeful. The hours began to pass and the rate was continuing around 50 per hour. There was a brief thrill when a few Western Europeans stations worked their way into the log around 1500 UTC - but that thrill was short-lived with the highlight being TK.

I was hopeful of really nice sporadic E opening but it never fully materialized. There were brief openings to South America (mostly PY) and an occasional African (CU and EA8) but the bulk of the rate was generated from the Midwest.

As we approached 2100 UTC we hit a wall. After CQing for several hours with little logged, Will experienced perhaps the shocker of the event when a VK7 station called in around 0100 UTC. We logged one more K7 station about 90 minutes later and that party was over. Early the next morning we called CQ for two hours with no responses, surprised that we at least didn't get a few ground wave contacts given the decent ham population in the area.

In the end, it really was a fun event as we tallied 475 QSOs with 4 Europeans, 25 South Americans and the single VK7. The band wasn't the best but it did provide entertainment. I love big rates but it is possible to get a radio rush without it. The honor of handing out the ARRL multiplier and doing it from a nice station has worked its way onto my Ham Radio Highlight reel.

## Next Year and WRTC-2014

The 2014 IARU HF Championship will be extra special for the operators who qualified for the 2014 World Radio Team Championship. ([www.wrtc2014.org](http://www.wrtc2014.org)) Fifty-nine two-person teams from around the world will compete from the Boston area to claim one of the most coveted crowns in all of radiosport.



**Again this year, dozens of volunteers such as Fred, K1VR (above) set up 25 WRTC-style test stations and competed as a multioperator station during the contest. (Photo courtesy of WRTC-2014)**

You can have even more fun next year if you set out to try to work as many WRTC-2014 stations as possible. WRTC competitors will be using 1-by-1 calls with special incentives to contact them. Don't miss out as the contest begins at 1200 UTC on July 12th and ends on July 13th at 1200 UTC.

**World-Wide Top Ten**

Category	Power	Call	Score	Category	Power	Call	Score
<b>Single-Op, Mixed</b>	QRP	LZØM (LZ2SX, op)	510,068	<b>Single-Op, CW</b>	QRP	OK3C (OK2ZC, op)	779,106
		HG6C (HA6IAM, op)	359,898			UU2CW	649,495
		US2IZ	349,662			UX9Q (UR9QQ, op)	582,192
		JR3RWB	206,067			HA6NL	557,760
		KØOU	175,824			UW5M (UT7MA, op)	474,237
		OK7CM	168,902			F5VBT	432,718
		UT5DJ	150,087			EU1AA	354,750
		IZ8JFL/1	148,827			SP9NSV/7	286,221
		G4DBW	132,174			YL2CV	257,152
		W1MR	121,164			DD1IM	256,477
	LP	4Z4AK (UT7DK, op)	2,312,220		YT3M (YT6W, op)	1,760,525	
		LY9A	2,018,549		LZ8E (LZ2BE, op)	1,675,520	
		IO4T (IK4VET, op)	1,727,100		LY6A	1,420,668	
		RV9UP	1,375,311		UW5Q (UR3QCW, op)	1,362,396	
		LY4L	1,332,114		OK2ZI	1,302,300	
		RT9S	1,257,538		C4Z (5B4AIZ, op)	1,148,350	
		7Z1SJ	1,225,736		VA2WA (VA2WDQ, op)	1,055,640	
		RWØA (RAØAM, op)	1,220,334		LY3B	1,040,480	
		R7MM	1,203,398		RW9C	1,017,450	
		S53MM	1,078,650		EA5AER	1,015,322	
	HP	UW2M (URØMC, op)	3,979,660		HG7T (HA7TM, op)	3,604,400	
		C4W (5B4WN, op)	3,864,230		CR6K (CT1ILT, op)	3,461,080	
		UP2L (UA9BA, op)	3,856,736		UW1M (UR5MW, op)	3,020,108	
		RG9A	3,842,450		OM3BH	2,854,028	
		E7DX (E77DX, op)	3,722,579		UT5UGR	2,588,105	
		9A5X	3,352,365		DJ5MW	2,523,618	
		3V8BB (KF5EYY, op)	3,340,763		UA5F	2,460,708	
		ES5RR (ES2RR, op)	3,127,183		OL8M	2,383,740	
		YL4U	2,956,728		RT5Z	2,374,984	
		OE3K (OE2VEL, op)	2,914,070		4O3A (E73A, op)	2,247,654	
<b>Single-Op, Phone</b>	QRP	HG1W	233,508	<b>Multi-Op</b>	YL8M (YL2KL, op)	2,246,864	
		HA5BKV	203,840		P33W	9,104,094	
		USØMS	157,620		EF8M	8,515,608	
		R2AD	133,950		C4N	5,573,800	
		CT2JBG	120,132		RF9C	4,256,647	
		N1YWB	108,120		PS2T	4,086,720	
		SP8LXE	100,305		RM5A	3,966,012	
		YO9FTN	65,670		OHØX	3,683,311	
		SQ8MFB	53,568		CR3T	3,412,320	
		W6QU (W8QZA, op)	52,569		HG6N	3,310,200	
	LP	KH6LC (NH6V, op)	1,490,580	KØDQ	2,988,014		
		N1UR	1,004,036				
		IB1B (IW1QN, op)	858,000				
		UV8M (UX3MR, op)	765,576				
		KP2/AA1BU	731,590				
		DF2DJ	700,570				
		RV9CBW	683,696				
		USØHZ	673,502				
		ZZ2T (PY2MNL, op)	649,066				
		EA8MT	622,980				
HP	H2T (5B4XF, op)	2,792,829					
	EA1FDI	2,514,822					
	PP5JD	2,252,868					
	EA4KD	2,078,004					
	IR2M	2,054,360					
	ES5RW	1,963,086					
	EA5DFV	1,701,366					
	K5TR	1,651,104					
	W7WA	1,508,046					
	RT4RO	1,493,263					

## Division Winners

Category	Power	Call	Score	Category	Power	Call	Score
<b>Atlantic</b>				<b>Northwestern</b>			
A	B	W3KB	239,121	A	B	N7VPN	32,807
A	C	K3ZO	1,405,680	A	C	K7RL	1,613,772
B	A	AB3RW	1,000	B	A	KK7VL	1,635
B	B	W2TF	34,365	B	B	W8BFX	20,022
B	C	N3WD	107,184	B	C	W7WA	1,474,070
C	A	AC2HJ	816	C	A	K7HBN	29,344
C	B	NW2K	288,184	C	B	WJ9B	504,974
C	C	AA3B	1,701,083	C	C	K7RF	231,732
D	C	N3AD	1,101,825	D	C	N7XU	60,588
<b>Central</b>				<b>Pacific</b>			
A	A	AF9J	3,410	A	B	K6TIG	12,558
A	B	KB9OWD	208,608	A	C	K6XX	1,646,052
A	C	K9NW	1,116,585	B	B	K6GHA	94,909
B	B	N9EAX	30,380	B	C	K6JAT	48,052
B	C	WB9ONU	11,760	C	B	K6AAB	73,514
C	A	AI9K	20,900	C	C	W6SX	211,344
C	B	KE9I	211,282	D	C	W7RN	1,068,617
C	C	W9RE	1,495,494	<b>Roanoke</b>			
D	C	NV9L	896,539	A	A	W4TTY	868
<b>Dakota</b>				A	B	KK4HEG	26,082
A	B	KØAD	255,789	A	C	WA4JUK	194,114
B	A	WBØIWG	4,224	B	A	N4ZAK	5,181
B	B	WAØLJM	7,620	B	B	N4REF	18,460
C	A	KEØG	11,210	B	C	N4MM	149,112
C	B	WBØN	47,060	C	A	W3TB	11,271
C	C	KØJJR	48,096	C	B	AA4FU	242,055
D	C	WØSD	1,050,624	C	C	K2SX	411,018
<b>Delta</b>				D	C	K3KO	124,800
A	B	WM5H	14,544	<b>Rocky Mountain</b>			
A	C	W5WMU	729,120	A	B	K9DR	360
B	A	N5HMH	2,885	A	C	KO7X	178,155
B	B	W4HRC	37,520	B	B	N7MZW	101,838
B	C	WA5OYU	478,519	C	A	WX7G	1,344
C	A	KS4X	2,160	C	B	W2UP	229,233
C	B	N5AN	452,160	C	C	KØRF (WØUA, op)	1,231,601
C	C	K4RO	1,204,645	D	C	AD1C	47,520
D	C	WD4K	573,338	<b>Southeastern</b>			
<b>Great Lakes</b>				A	B	N4KH	47,656
A	A	KT8K	56,480	A	C	K4BAI	1,024,976
A	B	K8GT	160,072	B	A	NT4TS	24,500
B	B	K8PGJ	79,488	B	B	WB4OMM	179,524
B	C	KE8FT	121,952	B	C	W4SVO	970,640
C	A	N8XX	8,670	C	A	K3TW	53,956
C	B	KV8Q (W8ERD, op)	487,105	C	B	KU8E	353,457
C	C	NF8R	260,278	C	C	K5KG	1,168,307
D	C	K8AZ	1,526,844	D	C	K9ES	808,720
<b>Hudson</b>				<b>Southwestern</b>			
A	B	WA2JQK	27,936	A	B	NN6CH	177,540
B	B	N2MTG	13,052	A	C	KØDI	143,304
B	C	KM2O	85,905	B	A	W6QU (W8QZA, op)	52,487
C	A	WA2NYY	3,596	B	B	KQ6P	17,820
C	B	N2GA	316,276	B	C	NY7N	41,109
C	C	WW2Y	811,595	C	B	WN6K	265,318
D	C	W2EN	279,664	C	C	N6MA	570,078
<b>Midwest</b>				D	C	NX6T	600,187
A	A	KØOU	222,277	<b>West Gulf</b>			
A	B	NWØM	209,440	A	B	K5DHY	110,288
A	C	WØEWD @NØNI	1,196,902	A	C	K5RT	477,516
B	B	W7KAM	15,364	B	B	W5GFI	99,960
B	C	KØRH	248,744	B	C	K5TR	1,368,324
C	B	KBØKIE	31,488	C	A	W5ESE	168
C	C	KØPY	151,855	C	B	NM5M	176,736
D	C	KMØDX	118,848	C	C	WXØB (AD5Q, op)	1,453,921
<b>New England</b>				D	C	N3BUO	766,604
A	A	N1TM	60,312	<b>Canada</b>			
A	B	W1BYH	47,726	A	B	VE3BR	528,090
A	C	KQ2M	1,867,323	A	C	VE3AT	2,247,705
B	B	N1UR	715,040	B	A	VA3VF	4,592
B	C	K1PLX	211,692	B	B	VE1WOW (K1WO, op)	121,793
C	A	K1IMI	228,161	B	C	VA6UK	46,830
C	B	W2IY	34,569	C	A	VE3MGY	50,138
C	C	N2WQ	615,000	C	B	VE3DZ	552,972
D	C	W1SJ	1,348,235	C	C	VE3XB	670,983
				D	C	VE3UTT	1,250,238



### Regional Leaders - US and Canada

Table shows Call, Score, Category and Power. For Category: A=Mixed Mode, B=Phone Only, C=CW Only, D=Multioperator. For Power, A=QRP, B=Low Power, C=High Power.

Northeast Region				Southeast Region				Central Region				Midwest Region				West Coast Region			
New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections				Delta, Roanoke and Southeastern Divisions				Central and Great Lakes Divisions; Ontario Section				Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections				Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections			
N1TM	60,312	A	A	W4TTY	868	A	A	KT8K	56,480	A	A	KØOU	222,277	A	A	NN6CH	177,540	A	B
W1MR	55,930	A	A	N4KH	47,656	A	B	KU4A	27,873	A	A	KØAD	255,789	A	B	WA6FGV	114,750	A	B
KB1HNZ	42,944	A	A	KK4HEG	26,082	A	B	AF9J	3,410	A	A	NWØM	209,440	A	B	W6AWW	108,224	A	B
W3KB	239,121	A	B	WM5H	14,544	A	B	VE3BR	528,090	A	B	VE4YU	150,480	A	B	K6XX	1,646,052	A	C
KB3LIX	112,530	A	B	KK4DSD	1,332	A	B	KB9OWD	208,608	A	B	WØEWD @NØNI	1,196,902	A	C	K7RL	1,613,772	A	C
W1BYH	47,726	A	B	K4BAI	1,024,976	A	C	VE3IAE	190,365	A	B	K5RT	477,516	A	C	KX7M	464,940	A	C
KQ2M	1,867,323	A	C	K4AB	966,868	A	C	NF8M	2,350	A	B	KØBJ	384,134	A	C	W6QU (W8QZA, op)	52,487	B	A
K3ZO	1,405,680	A	C	NT4TS	24,500	B	A	VE3AT	2,247,705	A	C	WBØNWG	4,224	B	A	KK7VL	1,635	B	A
K3WW	1,167,088	A	C	N4ZAK	5,181	B	A	K9NW	1,116,585	A	C	N7MZW	101,838	B	B	K6GHA	94,909	B	B
AB3RW	1,000	B	A	N5HMH	2,885	B	A	VA3VF	4,592	B	A	W5GFI	99,960	B	B	W8BFX	20,022	B	B
KC2QPP	3	B	A	WB4OMM	179,524	B	B	K8PGJ	79,488	B	B	K5YM	42,768	B	B	KQ6P	17,820	B	B
N1UR	715,040	B	B	K1KNQ	42,966	B	B	NT8Z	36,582	B	B	K5TR	1,368,324	B	C	W7WA	1,474,070	B	C
VE1WOW (K1WO,op)	121,793	B	B	W4HRC	37,520	B	B	WS6K	33,820	B	B	N5MV	379,344	B	C	K6JAT	48,052	B	C
KA2KON	50,562	B	B	W4SVO	970,640	B	C	KE8FT	121,952	B	C	KØRH	248,744	B	C	VA6UK	46,830	B	C
K1PLX	211,692	B	C	WA5OYU	478,519	B	C	AJ4A	73,793	B	C	KEØG	11,210	C	A	K7HBN	29,344	C	A
N3WD	107,184	B	C	K5ER	419,975	B	C	AAØPO	53,716	B	C	KA8HDE	4,536	C	A	N7RCS	984	C	A
KM2O	85,905	B	C	K3TW	53,956	C	A	VE3MGY	50,138	C	A	WX7G	1,344	C	A	VA7MM	406	C	A
K1IMI	228,161	C	A	K4MF	46,314	C	A	AØK	20,900	C	A	W2UP	229,233	C	B	WJ9B	504,974	C	B
K8CN	84,108	C	A	W3TB	11,271	C	A	VA3RKM	20,280	C	A	NM5M	176,736	C	B	W7YAQ	498,400	C	B
AA1CA	20,412	C	A	N5AN	452,160	C	B	VE3DZ	552,972	C	B	N5KWN	168,792	C	B	WN6K	265,318	C	B
N2GA	316,276	C	B	KU8E	353,457	C	B	KV8Q (W8ERD, op)	487,105	C	B	WXØB (AD5Q, op)	1,453,921	C	C	N6MA	570,078	C	C
NW2K	288,184	C	B	WA1FCN	341,055	C	B	W1NN	331,484	C	B	KØRF (WØUA, op)	1,231,601	C	C	K6NR	269,742	C	C
W2GD	213,598	C	B	K4RO	1,204,645	C	C	W9RE	1,495,494	C	C	K5OT (@K5NA)	1,215,984	C	C	K7RF	231,732	C	C
AA3B	1,701,083	C	C	K5KG	1,168,307	C	C	K9CT	1,012,420	C	C	WØSD	1,050,624	D	C	W7RN	1,068,617	D	C
K2SSS	862,040	C	C	KZ5D	916,050	C	C	VE3XB	670,983	C	C	NØAT	773,358	D	C	K6AW	854,165	D	C
WW2Y	811,595	C	C	K9ES	808,720	D	C	K8AZ	1,526,844	D	C	N3BUO	766,604	D	C	K6MMM	709,628	D	C
W1SJ	1,348,235	D	C	WW4LL	683,696	D	C	VE3UTT	1,250,238	D	C								
K1BG	1,308,124	D	C	WD4K	573,338	D	C	NV9L	896,539	D	C								
K1ZD	1,291,636	D	C																