IARU HF Championship 2014 Results

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Close Races, World Radiosport Team Championships, and Great Conditions Records Fall!

Held during the second weekend of July (July 12-13, 2014), the IARU contest offers quite a bit of summer fun. Not only can you work on your CW and phone skills, there are multiple categories for various power levels and mode combinations. Chasing HQ stations can add to the excitement as well. Adding to the intrigue is the unpredictability of summer propagation. Whether you are searching for multi-hop sporadic E openings on the high bands, looking for polar openings at night on 20 meters, or working through the QRN on the low bands, there's plenty to chase!

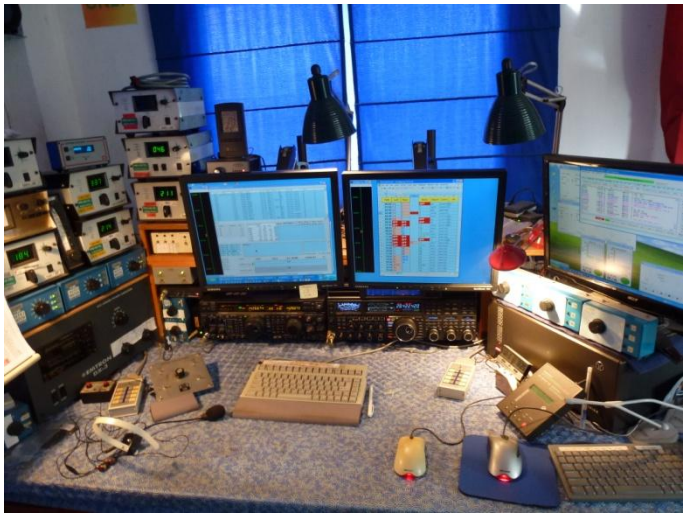
Showing the intensity and focus typical of all WRTC teams, K1O team member "Don," JH5GHM (his teammate was Hajime, JA1OJE) works stations on 80 CW. The team finished with 3,305 QSOs during the 24-hour contest. (Photo by Kristjan Kodermac, S5ØXX)

New Records

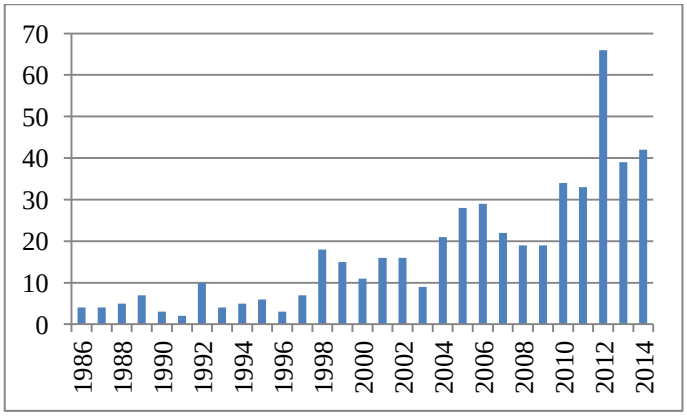
While many were focused on the outcome of the World Radiosport Team Championships that ran simultaneously with the contest, many others had their hopes set on grabbing some glory for themselves. With solid HF conditions and increased participation, a total of ~~42~~ 43 records were set during the 2014 running of the IARU HF Championship.

The IARU records were recently updated to include the 2014 results by a talented group including K3WA, N3ND, EA4ZK, N1RR, AB1J, N5KM and N1JM.

The records ranged from a new all-time high score in the Single-Operator, Phone, High Power category by CN2R in Zone 37, to a new record set by AL4Y with just 3 points in the Single-Operator, Mixed-Mode, Low Power category for Zone 1.



Jim, W7EJ, is the voice behind the string of CN2R wins in many contests. You can see from this compact, functional layout, he has everything at his fingertips so as to waste no time putting your call in the log. (Photo by W7EJ)



While 1991 only has a pair of records remaining, each year since 1986 has had at least one all-time record set that remains the best score today. All IARU records are online at ***arrl.org.contest-records****.*

While CN2R's all-time mark is quite impressive, there were several other record-setting performances. Among them are new W/VE marks for Single-Operator, Mixed-Mode: for High Power by KQ2M and for Low Power by AA4NC. Also of note from around the globe were outstanding performances by VE3AT, VE3JM, W7WA,

WJ9B, K5TR, AA3B, W4IX, EA8MT, A65BP, JS3CTQ, VK2DX and HSØZKX. All of these stations set new zone records.

HQ VY2RAC

The IARU contest features special entries known as "Headquarters" or HQ stations, representing national IARU organizations. Unique to each country, a typical HQ station racks up thousands of QSOs, makes multiplier chasers happy, and is staffed with many operators. This past summer, the trio of KØBBC (Matt), NØAT (Ron), and VE3RZ (Tony) put in a fantastic effort from the powerful VY2TT station on Prince Edward Island to hand out the much-appreciated RAC mult. The group racked up more than 6,000 contacts to put smiles on the faces of many contesters, including the buzzing WRTC teams nearby in New England.

After attending to a few station needs to make it ready for a three-person squad, the team was ready for big-time action - and they got it. From NØAT's article in the Twin City DX Association's newsletter (**www.tcdxa.org**): *"Having that much horsepower and being a new multiplier generated unlimited pileups. We could work each station on six bands and both modes. Matt operated SSB, I operated CW, and Tony operated mostly CW with some SSB."*

The idea came from a big desire to operate from VY2TT during the IARU event. While the contest doesn't have a Multioperator, Multitransmitter (M/M) category, the operators wanted more time in the operating chair and decided to move forward with the request to operate as an HQ station. VE3KI and VO1DK made the HQ operation possible. (HQ and the related Administrative Council station results are tabulated separately from the main results.)

WRTC Results

Four years of serious preparation paid off in New England as a record 59 teams competed in the exceptionally well-run World Radiosport Team Championship in Boston. (**www.wrtc2014.org**) The organizers can now sit back and relax after putting together a flawless effort which required an intense amount of planning. The eventual champions (the K1A team of N6MJ and KL9A) grabbed the lead after the first hour and never looked back as they secured their first championship after finishing third in WRTC2010 in Russia. The talented team received an automatic bid to WRTC2018, which will be held in Germany (**www.wrtc2018.de/en**).

WRTC2014 visitor Danny Pease took this night-time shot of the K1M team (Fred, K9VV, (left) and John, VE3EJ) hard at work.

Rounding out the top three in the 2014 event were the Slovakian team of OM3GI and OM3BH and the German team, DJ5MW and DL1IAO. Accuracy paid off for DJ5MW and DL1IAO as their incredible 1% error rate vaulted them from fifth to third place in the final standings. Amazingly, 60% of the contacts made during the event were cross-checked in just a six-hour log-submission window for non-WRTC competitors. Competitors had only a 30-minute window to submit their logs to the event's judging team. (The author describes his own experiences at WRTC2014 later in this article.)

Close Races

When looking back on a contest, it becomes easy to question a crucial decision or period of time in which one may have relaxed a bit too much, made a bad decision, or just goofed up in a fashion that may have cost a spot in the final standings. Close races lead to even more head scratching!

Take, for example, the Single-Operator, CW, Low Power, W/VE battle. W4IX (1,151,955) of South Carolina is no stranger to high-placing finishes. He nipped W1RM from Connecticut (1,132,203) by just 1.7 percent to take the top prize.

A strong effort from Larry, K7SV, in Virginia in Single-Op, CW, Low Power tallied 1,054,144 for third place. (Photo from K7SV)

Also of note, MWØEDX drove his station to 1,890,312 points, holding off the hard-charging performance of PS2T (PY2NY, op with 1,859,872 points) for the top world slot in the Single-Operator, Mixed-Mode, Low Power race. That's a paltry difference of 1.6 percent.

CW enthusiasts who decided to go the High Power route produced a grand fight for a top spot on the world stage. In the end, it was P3F (5B4AGN, op) copying his way to a score of just over 4 million points. While Bob knocked off 6V7S (RK4FF, op) by nearly 1 million points, the QSO counts were close as 6V7S collected 3054 and P3F logged 2962. Also of note in the QSO count were third and fourth-place finishers AA3B and VE3JM who finished with 2936 and 3069 (the highest contact total before log-checking), respectively.

HQ and Administrative Council Results

Any new DXer looking to add entities to their DXCC band totals had plenty of opportunity during the contest. The European HQ stations were, as usual, out in force. Taking the top HQ spot this time around was TMØHQ, followed by EF4HQ, DAØHQ, R3HQ, and SNØHQ..

The IARU Administrative Council (AC) stations provide a little extra excitement since they, too, count as multipliers. KK1Z was tops overall and in Region 2 with over 3 million points. The NB2T group operated from K6ND for the top spot from Region 1 and was second overall with just under two million points. Rounding out the top three was PT2ADM with 789K points from Brasil.

If a band is even close to opening, chances are you will hear a few of the powerful HQ and AC stations coming through. While the path may be different than during the normal opening, the QSOs count the same and the mults lead to racking up a nice score.

IARU Headquarters Stations

Call	Score
TMØHQ	34,506,131
EF4HQ	31,641,120
DAØHQ	30,102,280
R3HQ	26,608,000
SNØHQ	26,327,673
IIØHQ	25,564,392
GR2HQ	25,427,236
OL4HQ	25,402,167
9AØHQ	23,362,762
YTØHQ	22,583,934
S5ØHQ	20,878,765
LZ7HQ	18,873,175
YRØHQ	17,862,897
SK9HQ	16,956,911
AZØHQ	15,422,316
LYØHQ	15,267,995
HB9HQ	14,576,771
E7HQ	14,525,004
OZ1HQ	14,343,930
OE1A	13,419,870
OPØHQ	12,435,780
PA6HQ	11,887,200
W1ØØAW	10,451,520
ZW2HQ	10,050,156
V55HQ	9,956,010
EM5HQ	9,555,953
YL4HQ	9,446,745
NU1AW	8,636,498
SXØHQ	8,606,307
CR5HQ	6,916,875
VY2RAC	6,884,769
UN1HQ	6,758,310
OH2HQ	6,429,060
LI2HQ	6,080,250
Z3ØHQ	5,230,872
ER7HQ	4,569,084
CX1AA	3,943,739
T49C	3,604,265
VP9HQ	3,395,748
YV5AJ	2,252,130
ES9A	2,227,159
ZS9HQ	1,749,720
ZL6HQ	1,627,988
7TØHQ	1,490,032
ZF1A	1,294,528
YEØHQ	1,232,742
DXØHQ	1,134,840
ZP5AA (LU8EOT, op)	930,328
9Y4HQ	752,370
EIØHQ (EI6JK, op)	588,200
HS5ØRAST (HS5NMF, op)	458,040
9M4DXX (9M2TO, op)	390,450
OA4O	351,917
XE1LM	226,848
VK5WIA	214,240
TGØAA (TG9ANF, op)	192,696
HQ2W (HR2DMR, op)	167,970
V84O	147,000
JU1HQ (JT1DA, op)	130,327
TC1HQ	88,200
XR3HQ	62,640
HD2A (HC2AO, op)	8,294
HI8RCD (HI8KW, op)	1980

IARU Administrative Council Stations

Category	Call	Score
AC	VC6IARU	73,395
R1	NB2T (@K6ND)	1,988,520
R1	OK8JOE	13,616
R1	LZ1US	2,106
R1	DF3IAL	1,148
R2	KK1Z	3,111,516
R2	PT2ADM	789,760
R2	YBØAZ	582,736
R2	JA1CJP	261,188

Summaries — Around the World and W/VE

Single-Operator, Mixed-Mode

Operating on both modes requires plenty of decision making in terms of bands and modes and really keeps operators busy throughout the event. There's very little down time in this category and even during the slow times operators are quite busy.

DK3WE was first for QRP, followed by a strong effort from UT5UN. MWØEDX edged PS2T (PY2NY, op) in the Low Power battle and ~~UW1M~~ EF8U (EA8RM, op) was tops in the High Power category. A65BP was second in High Power by a narrow margin.

KØOU easily took the top spot for W/VE QRP with an impressive tally of more than 230K, while AA4NC ran away with the W/VE crown in the Low Power race by setting a new record. Will spent most of his time on CW and battled high-band antenna issues to set the record. N5DO, N5ZC and KU8E had notable efforts in the category.

Do you have one of Steve's QSLs? If so, you're not alone! KØOU is a widely-worked call sign from Missouri. This year, he made the top US-Canada score in the Single-Op, CW, QRP category. (Photo by KØOU)

KQ2M overcame a myriad of obstacles to pocket more than 4 million raw points to add another impressive win to his sparkling radiosport resume – a new Mixed-Mode High Power record. Bob's next closest competitor was K6XX, who finished with just over 3 million points.

Single-Operator, Phone

Putting in a full effort in any category presents challenges, whether it be mental or physical. Doing so in the Phone category running QRP adds even more strain to patience and will. Five watts on crowded bands isn't exactly everyone's idea of a good time and for some operators it is an ultimate challenge.

In the overall competition, FY5FY persevered for more than 1 million points for the top spot and was followed by the efforts of DL8LR and HA5NB. In the 100 watt (Low Power) category, EA8MT scored 1.9 million points for first place, while UX9Q and EI1A were second and third, respectively. Pumping out the contacts and multipliers for the High Power top spot was CN2R (W7EJ, op). CN2R set an all-time new world record in 2014 but was also followed by nice efforts from 5B4AIF and PJ4DX. The CN2R effort also featured 3,669 contacts for an impressive rate of nearly 153 per hour.

For the United States and Canada, W6QU (W8QZA, op) was first for QRP, while N1UR put in yet another dominating Low Power performance with 882K for top honors. Ed, who set the LP Phone record in 2012, added that he believes the IARU contest is a "jewel" and likes the summertime conditions because it really makes for a different event.

W7WA accumulated an impressive 1.8 million points for the High Power top spot. His mighty score was also a new record for zone 7. Dan noted that a nice polar opening on 20 meters at night led to extended running when typical conditions lead to more S&P during those hours.

Single-Operator, CW

While CW is a very popular category for contesters, it does require an immense amount of skill and accuracy to finish well.

HA3MY operated as HG3M for first place QRP but had to hold off a hard-charging UC7K. HA3MY scored 538K, while UC7K was close with 531K. A few mults and contacts here and there proved to be the difference maker in that race. For W/VE, VA3SB edged K8SN for the crown.

CW and 100 watts often provides quite a bit of excitement and 2014 was no different. LY5R was first in

Low Power with 1.5 million, while IO4T was second with 1.4 million, and UA3RF was third with 1.36 million.

As for the High Power operators, 5B4AGN was first overall signing as P3F with 4.1 million points. UA5C and 6V7S finished second and third respectively with 3.3 million and 3.1 million points.

The High Power showdown for W/VE was a tight one as well. However, when the dust settled AA3B had just enough to finish ahead of VE3JM. VE3JM finished with more QSOs, but AA3B had nearly 40 more multipliers to finish on top.

Multioperator

Multioperator efforts require the right mix of phone and CW operation but at the same time being exceptionally careful when chasing mults on other bands. The teams that are the most efficient typically finish very well.

For the world title, the team at RM9A cruised to 4.5 million points for first place, while second place was taken by CR3T (4.3 million), and chased by nearly 4.1 million points from UA4M.

The crew at K5TR worked together for 2.8 million points and the top spot in the United States and Canada but had to outperform the excellent crews at KD4D and W3UA. KD4D tallied 2.5 million and W3UA pocketed 2.4 million points. K5RX and N1LN rounded out the top five. The W/VE winners made about 70 CW contacts less than the second place team of KD4D but tallied 500 morephone QSOs than KD4D.

At K5TR, K5PI noted excellent 20 meter conditions at night and that he spent most of the time on CW while the host (K5TR) ground it out on phone. (Photo by K5TR)

Top Ten Worldwide Scores

Category	Power	Call	Score
Mixed	QRP	DK3WE	654,408
		UT5UN	443,016
		OK7CM	433,020
		SP5DDJ	325,251
		KØOU	231,870
		US2IZ	202,583
		9A2EY	184,832
		LZ5QZ	142,800
		IZ8JFL	130,686
		DL6OCH	122,952
Mixed	LP	MWØEDX	1,890,312
		PS2T (PY2NY, op)	1,859,872
		LY6A	1,225,733
		AA4NC	1,104,495
		RA9AP	1,004,394
		UR6EA	891,880
		7Z1SJ	865,536
		R7MM	851,075
		N5DO	798,930
		YT2AAA	797,268
Mixed	HP	EF8U (EA8RM, op)	4,534,184
		UW1M	4,023,788
		A65BP	3,974,580
		KQ2M	3,785,940
		KP3Z (NP4Z, op)	3,351,600
		UPØL	3,253,104
		VE3AT	3,222,115
		K6XX	3,045,750
		OH6LI	2,848,225
		EU1A	2,842,775
Phone	QRP	FY5FY	1,074,258
		DL8LR	371,209
		HA5NB	310,980
		DKØTC (DL1APQ, op)	155,848
		SP7VTQ	113,918
		UR5IPW	108,429
		US5ZCW	98,905
		W6QU (W8QZA, op)	78,078
		HB9EGA	62,048
		NT4TS	61,544
Phone	LP	EA8MT	1,964,314
		UX9Q (UR9QQ, op)	1,602,992
		EI1A (ON4EI, op)	1,347,192
		HA3DX (HA4XH, op)	1,296,625
		EE7Y (EA7ISH, op)	1,085,088
		YV1KK	1,023,400
		RA3Y	890,813
		N1UR	882,336
		KP2/AA1BU	834,426
		G3VAO	736,296

Phone	HP	CN2R	5,203,660
		5B4AIF	3,691,008
		PJ4DX	2,726,205
		H2T (5B4XF, op)	2,684,640
		HG8R (HA8JV, op)	2,494,570
		IW2HAJ	2,192,226
		IKØPHY	2,171,430
		ES5RW	2,169,490
		RJ4P	2,115,840
		ED8W	2,030,072
CW	QRP	HG3M (HA3MY, op)	538,764
		UC7K	531,180
		LZ2RS	405,790
		UA8AA	316,840
		DD1IM	271,852
		VA3SB	256,818
		K8CN	228,200
		DL4SDW	179,655
		UX2MF	171,684
		UA1CUR	157,480
CW	LP	LY5R	1,523,319
		IO4T	1,419,075
		UA3RF	1,360,510
		WP3C	1,346,730
		W4IX	1,151,955
		W1RM	1,132,203
		DD5M (DJØZY, op)	1,092,168
		YR9F (YO9FNP, op)	1,077,858
		K7SV	1,054,144
		SP4JCQ	1,049,489
CW	HP	P3F (5B4AGN, op)	4,103,834
		UA5C	3,330,360
		6V7S	3,130,668
		RG6G	2,936,848
		AA3B	2,897,100
		VE3JM	2,767,694
		OH1F (OH1TM, op)	2,631,930
		OQ5M (ON5ZO, op)	2,391,347
		OG2P (OH2PM, op)	2,385,216
		RT5Z (RA3CW, op)	2,347,048
Multi	HP	RM9A	4,576,196
		CR3T	4,317,392
		UA4M	4,087,280
		HG1S	3,936,845
		HG7T	3,819,202
		UR7GO	3,362,115
		DL2CC	3,301,812
		IR8C	3,142,731
		K5TR	2,817,848
		SP8R	2,791,565

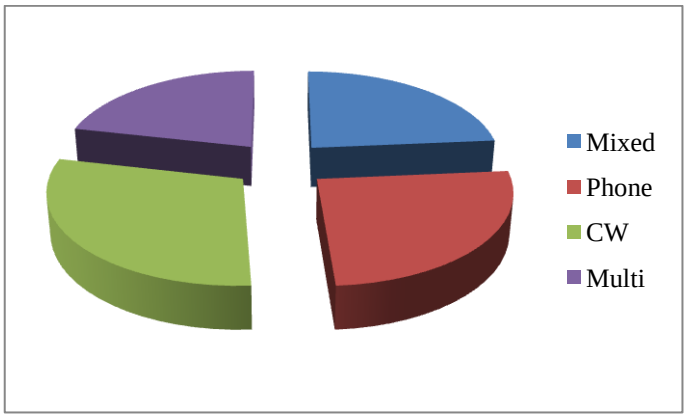
(Top Ten scores for US-Canada and DX-only can be found at the end of this article.)

Popular Bands

Summertime conditions can make for some slow times on HF but that's not always the case. There's typically just enough going on the summer to keep operators optimistic. In the northeast United States stations were able to catch decent propagation to Europe on 15 meters during the day with South America and the Pacific sprinkled in at night. U.S. stations south and west of W1 had some openings to Europe but not quite as good..

While 15 was solid and 10 provided some excitement, 20 and 40 seemed to be the big money bands throughout the world. Many of the WRTC participants, operating from Eastern Massachusetts, took advantage of a sunrise opening to Europe on 10 meters for late surge in score.

Popular Modes and Powers



Out of the 5565 logs received, the representation was pretty equal across all of the categories, both mode and power. Mixed-mode entries were 21% of the total. Phone entries made up 23% and CW 27%, while the share for Multioperator was 19%.

While QRP entries made up only 5% of the total, LP and HP were nearly equally split, 47% to 48%, respectively.

Notable efforts

While close finishes, high rates and big scores typically grab our attention, it's important to note efforts from parts of the world that don't have a dense contesting population. While Europe and North American casual operators can get on for short bursts of time and enjoy some high rates with relatively local contacts on the low bands or decent short-skip openings on the high bands, that's not the case in all parts of the world.

Oceania and Asia can provide some propagation challenges but that doesn't stop talented operators from slugging it out over 24 hours for some new wallpaper, plaques, or records.

For example, VK2DX scored just more than 1.3 million points to set a new record in Zone 59 for High Power, CW. There were several new records set in Australia, including the performances of VK4TS, VK2GR, VK6RC, and VK6SMK.

Indonesia was well represented in 2014, with YB2DX, YB4IR, YBØANN, YB2LSR, and YB9WAN winning awards. There's no doubt their efforts led to moments to celebrate for operators all over the globe.

Contesting has continued to grow in China in recent years, as evidenced by a BY team at WRTC 2014. Also of note, BD9XE set a Zone 43 record for mixed HP with 353K points.

In Japan, JR4GPA, JS3CTQ, and JI1RXQ all set new records for Zone 45.

Operators from Thailand got in on the record breaking, too as HSØZHC, HSØZKX, and E21YDP set new benchmarks.

Let's not overlook the big effort of XW1EIC (Laos), operated by E21EIC, who topped 1 million points, also breaking the old mixed high power record for Zone 49.

Antarctica isn't exactly heavily populated with hams but it is often active and in 2014 RW1AI operated as RI1ANT to set a new Zone 69 record in the High Power CW category.

Continental Leaders

Continent	Category	Power	Call	Score
Africa	Mixed	LP	EA8AQV	56,388
	Mixed	HP	EF8U (EA8RM, op)	4,534,184
	Phone	LP	EA8MT	1,964,314
	Phone	HP	CN2R	5,203,660
	CW	LP	CN8KD	261,855
	CW	HP	6V7S	3,130,668
	Multi	HP	CR3T	4,317,392
Asia	Mixed	QRP	JK1TCV	23,840
	Mixed	LP	RA9AP	1,004,394
	Mixed	HP	A65BP	3,974,580
	Phone	QRP	JA2MWV	9,776
	Phone	LP	UA9R	456,960
	Phone	HP	5B4AIF	3,691,008
	CW	QRP	UA8AA	316,840
	CW	LP	RX9AF	806,912
	CW	HP	P3F (5B4AGN, op)	4,103,834
	Multi	HP	RM9A	4,576,196
Europe	Mixed	QRP	DK3WE	654,408
	Mixed	LP	MWØEDX	1,890,312
	Mixed	HP	UW1M	4,023,788
	Phone	QRP	DL8LR	371,209
	Phone	LP	UX9Q (UR9QQ, op)	1,602,992
	Phone	HP	HG8R (HA8JV, op)	2,494,570
	CW	QRP	HG3M (HA3MY, op)	538,764
	CW	LP	LY5R	1,523,319
	CW	HP	UA5C	3,330,360
	Multi	HP	UA4M	4,087,280
North America	Mixed	LP	AL2F	45,828
	Mixed	HP	KP3Z (NP4Z, op)	3,351,600
	Phone	QRP	NP3RE	39,760
	Phone	LP	KP2/AA1BU	834,426
	Phone	HP	XE1B	694,500
	CW	QRP	CO2IR	31,320
	CW	LP	WP3C	1,346,730
	CW	HP	XE1MM	51,957
	Multi	HP	6Y3M	1,959,776
Oceania	Mixed	QRP	YBØANN	430
	Mixed	LP	YB2LSR	35,150
	Mixed	HP	YB4IR	540,792
	Phone	QRP	VK4ATH	462
	Phone	LP	DV1JM	145,040
	Phone	HP	YB2DX	604,920
	CW	QRP	KH6/W8RU	33
	CW	LP	KH6CJJ	246,960
	CW	HP	VK2DX	1,316,406
	Multi	HP	KH6LC	1,984,338

South America	Mixed	LP	PS2T (PY2NY, op)	1,859,872
	Mixed	HP	YV6CR	358,940
	Phone	QRP	FY5FY	1,074,258
	Phone	LP	YV1KK	1,023,400
	Phone	HP	PJ4DX	2,726,205
	CW	QRP	LU3VA	36,972
	CW	LP	PR7AB	601,290
	CW	HP	PY2NA	624,568
	Multi	HP	PP5WG	2,268,888

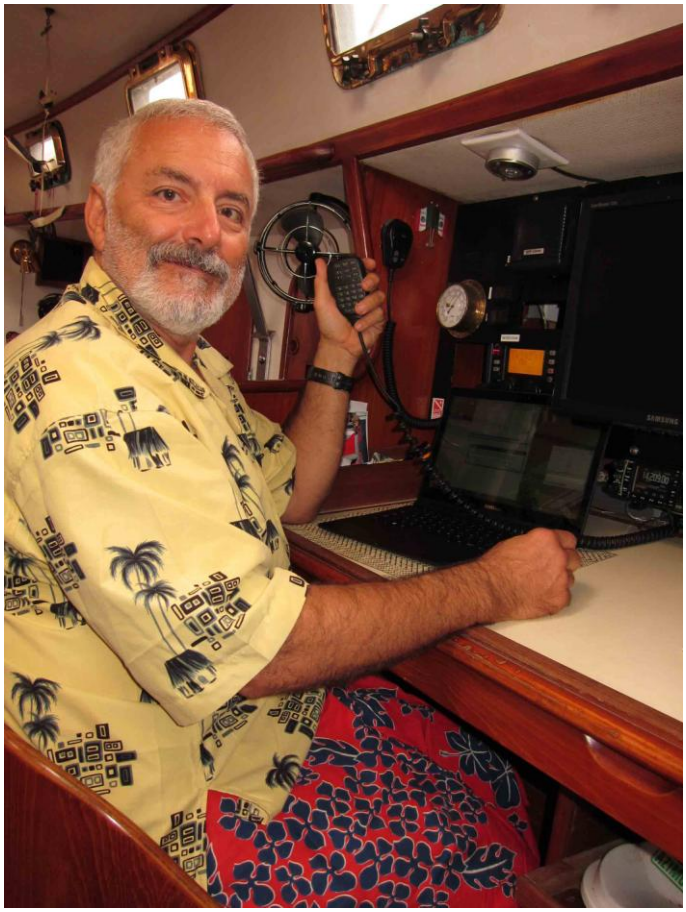
Soapbox Musings

Reading through the post-contest soapbox comments offers quite a bit of perspective on the event. While WRTC participants were pouring every ounce of radiosport know-how into the event, others were either celebrating birthdays, chasing wallpaper, plaques, just trying to work what they heard or simply experiencing the thrill of making contacts.

Perhaps one of the more interesting outings was the effort of K7ST, who operated maritime mobile off the coast of Fiji in ITU zone 56. Adam was in the midst of a Pacific cruise on his sailboat (Bravo) and decided to make use of some time and hand out zone 56. Signing K7ST/MM apparently threw off several operators but he managed 156 contacts with 100 watts and a wire.

From Adam's soapbox:

"Wow, what an exercise in frustration. Using /MM instead of /3D2 since no Fiji license, and I was at sea in ZONE 56...".....*no, NOT ZONE 06, it's ZONE 56, really!!!*.....*No you have the call correct*.....*yes ZONE 56*.....*roger roger roger*....." *Nearly every one of the 156 Q's challenged the zone, telling me I was in zone 6. (Only ones who didn't were the terrific ops at WRTC*.....*course zones weren't mults for them!!!) Couldn't get any rate going with 100w and a random length wire (insulated backstay on the boat), even with the zone 56 "amplifier effect"*.....*great contest, though, and those WRTC ops, the few I could hear, were doing a great job. All sounded very equal from down under."*



Adam, K7ST/mm, operated aboard the Bravo in his lava-lava, loading up an insulated backstay and putting zone 56 in more than 150 logs. Adam and Cindy, KF7UPI, have been sailing the Pacific for a couple of years with ham radio never far away. (Photo by Cindy Brennan, KF7UPI)

Many of the soapbox comments were related to the abilities shown by the WRTC operators. A lot of stations were busy hunting down all 59 teams for a shot at a few prizes that were available as well as extra points for the ARRL Centennial QSO Party.

K2PS, who was chasing the 1X1 WRTC participants, had this to offer:

"Working all those great WRTC ops was amazing. My sigs were pretty weak with LP and only a 40M dipole, up about 12-15 feet. But every WRTC station copied me somehow (at least on CW), where much louder zone 08 stations CQed in my face. Congrats to them all!"

K1MC, who spent a lot of time and energy helping with antenna setup at WRTC, still found some energy to get on the air and hand out QSOs.

"After being part of the group that put up the antennas for the WRTC2014 competition stations, I decided to work as many of them as possible. The total number of stations worked with the special 1 X 1 WRTC call signs

was 48 after finishing at 0142 UTC. I would liked to have operated into the early morning but I needed to get some sleep since we had to take down all the antennas on Sunday morning when the contest ended."

Next Year

While the current solar cycle was slow to start, it has provided very solid HF conditions in the past two years. Hopefully, the Sun can produce a few more exciting events for contesters before it slowly goes to rest for a few years. The 2015 IARU HF Championship is scheduled for July 11th and 12th. Start planning now because the big event is just a few months away. Set your sights on a new personal goal, a certificate, a plaque or even a new all-time record, or simply have blast.

WRTC Perspectives from the Author

After contemplating whether to go all out to qualify for WRTC2010 and ultimately not putting in the needed effort, I decided to go for it for WRTC2014.

After qualifying as an alternate in March, I was brimming with enthusiasm about competing against so many fantastic radiosport standouts.

For me, becoming a contestant was similar to the moment in the movie Apollo 13 when Tom Hanks was informed he was going on the next mission. The character Hanks played immediately began preparing for the mission. So did I.

I sent an email to my teammate, N3KS (Kam), who was picked by original NA4E (North American team 4E) Team Leader NN3W (Rich) who stepped away for personal reasons. Kam was quick to respond and we began getting to know each other. Kam was a spectacular teammate and I would operate with him in any event after getting to know him during the WRTC experience. Kam is not only a talented operator, but also great with logistics, funny and really easy to get along with.

As the start of WRTC drew near, Kam and I swapped many ideas on how to tackle the contest. We did a dry run of the event during ARRL Field Day. We didn't spend a lot of time on the radio, but we got everything running and ready to go for WRTC. We had very few problems and we felt confident about our setup.

I drove back to North Carolina after a successful time at Kam's and my brain continued to work in overdrive about how we could maximize our performance during the contest – it was only two weeks away. It's amazing how the brain works – I wasn't even bothered by the traffic heading back from the DC area.

After tying up a few details it was time to settle on travel plans. We were concerned about how to get our equipment to WRTC HQ. We were set on flying to the event but we weren't too crazy about sending our equipment on the plane - N3ND (Dan) to the rescue.

Dan lives a few miles from me in North Carolina. He was already planning on going to WRTC as a spectator. Making a long story short, Dan transported our equipment to Westborough and the equipment headache was gone.

Kam and I arrived at WRTC HQ on the afternoon of July 8th. The social pileup, and really the true essence of the event in my opinion, began as soon as we got out of the rental car. The pileup never slowed down and the next week would be one of the fastest, interesting, thrilling and memorable of my life.

While I had met many participants at Dayton in the past, there were far more who I had never met face-to-face. Ham Radio operators share a special bond – and that was never more evident to me than at WRTC2014. It's unique to be so comfortable with people you have never met face-to-face. Looking back at photos taken during the event, it's obvious that everyone is exceptionally happy.

Personal stress and excitement reached all-time high levels for me as the event approached. I relaxed quite a bit after venturing to our site (13A) – a cranberry bog. We couldn't have asked for much more – the nearest site was nine tenths of a mile away. Station interference was minimal and we had no issues with noise – it may have been the quietest place from which I have operated.

We had a fantastic judge – LY7Z (Andy). He had participated in past WRTCs and was a big supporter of our efforts. Andy was gracious enough to even invite Kam and I to his home QTH.

Kam quickly got to work on setting up the station when we arrived at the site late Friday morning. Everything was ready to go pretty quickly. Upon firing up the station a K3 failed upon power-up. We had a spare K3 and quickly put it in line. We were suspicious of our triplexer as well. Rather than worrying about it too much we put in our backup (thanks WX3B!). That was about it for equipment issues. Kam was successful in finding an additional backup – all was good again.

Pre-contest testing was a lot of fun. We worked a couple of hundred stations and returned to HQ by 6 p.m. and later ran into KE3X (Ken) while picking up groceries for the main event.

I slept well throughout the week but was unable to do so the night before. I was up at 4:30 a.m. and trying to not wake my roommate (CT1BOH). I didn't need sleep at that point – it was game day and adrenaline easily carried me through the contest.

We were elated to receive K1R as our call. It was one of the calls Kam mentioned in conversation as we drove to the site the morning of the contest. We cheered with excitement when Andy handed us the envelope with 15 minutes before the starting bell. We programmed our CW messages and we were ready.

I really enjoyed the flying start. Having the radio silenced and jumping in when the clock struck 12Z was quite a thrill. We were off and running. I think I took my first breath 12 minutes into the contest. I specifically remember taking a huge breath at that point. I started to relax and the QSOs were already piling up for team K1R.

In the end, Kam and I finished 20th out of 59 teams and were sixth overall in QSOs. We discussed what we could have done to improve our score and both agreed on our miscues. But in the end, it was one heck of an experience. The standings were close and a few mults here or there made a huge difference. I want to congratulate fellow PVRC members KØDQ (Scott) and KE3X for a fantastic effort. They spent a lot of the contest in the top ten.

Eventual winners KL9A and N6MJ are class guys. They are not just incredible ops but also incredibly personable. In the days before the event KL9A mentioned that he and N6MJ may not be able to participate after the 2014 events because family obligations would make it difficult to carve out time to qualify. KL9A said winning was about the only chance they had to return – needless to say it appears they will get an automatic bid to the next event.

Prior to leaving for WRTC, AA4NC (Will), who participated in WRTC1990, told me the social aspect would mean far more to me than the actual operating. AA4NC was right – I have made many new friends.

I must take a moment thank all of the friends, family, PVRC Members (especially PVRC-NC) who helped me with this event. The support was out of this world – it was not unnoticed and I will be forever grateful for it.

My wife commented that she would be happy to have me back after WRTC – I told her I would miss her, too. She made herself a little clearer by saying, "No honey, it will be nice to have Nate back." I got it. Needless to say my mind was pretty much one-track for the past few months.

If you ever get the opportunity to participate on any level at a future WRTC – I strongly recommend it. It really is like drinking radiosport through a fire hose.

On a final note, the WRTC2014 organizers did an incredible job of organizing such a gigantic event. If anyone is looking for pointers on how to organize such a large function, I recommend contacting those involved with WRTC2014.

Top Ten US-Canada Scores

Category	*Power*	*Call*	*Score*
Mixed	QRP	KØOU	231,870
		NA4CW	87,138
		KT8K	45,140
		KU4A	19,320
		K8ZT	17,298
		K1LT	9,835
		KC5WA	7,920
		W4DFG (W1TEF, op)	2,781
		AF9J	1,088
		NN7SS (K6UFO, op)	996
Mixed	LP	AA4NC	1,104,495
		N5DO	798,930
		N5ZC	707,460
		KU8E	683,000
		K9OM	657,845
		N4OX	645,120
		VE3BR	624,792
		WØDLE	544,765
		KØAD	420,046
		W6AWW	361,921
Mixed	HP	KQ2M	3,785,940
		VE3AT	3,222,115
		K6XX	3,045,750
		W2FU (N2ZN, op)	2,437,358
		WØEWD (@NØNI)	1,653,093
		K4AB	1,648,992
		K3ZO	1,548,072
		WO4O	1,430,702
		W1WMU	1,412,580
		VE3OI	1,333,150
Phone	QRP	W6QU (W8QZA, op)	78,078
		NT4TS	61,544
		WBØIWG	7,200
		N4ZAK	5,472
		K7RLL	3,432
		KK6RF	2,684
		AB3RW	2,673
		K9JK	1,302
		KK7VL	876
		VE5DLD	448

Phone	LP	N1UR	882,336
		KT4ZB	265,950
		VE1WOW (K1WO,op)	204,672
		W4FT	197,349
		VE3VE	162,500
		K6GHA	153,034
		VA3GKO	144,353
		N9DFD	133,168
		HI3K	129,528
		K5DHY	128,340
Phone	HP	W7WA	1,851,816
		K5LLA	717,500
		AD5XD	635,318
		WA5OYU	556,248
		K5ER	537,119
		W6AFA	385,402
		VE7SZ	363,924
		N5MV	341,824
		KØRH	321,195
		KK7YC	293,248
CW	QRP	VA3SB	256,818
		K8CN	228,200
		N7IR	157,398
		K3TW	51,798
		AC8AP	51,392
		W1WBB	28,860
		K9JWV	27,750
		N1RU	25,956
		AI9K	15,662
		KØMP	15,365
CW	LP	W4IX	1,151,955
		W1RM	1,132,203
		K7SV	1,054,144
		NA8V	783,450
		W1NN	771,274
		WJ9B	747,285
		K1IMI	688,524
		WB4TDH	670,662
		VE1RGB	596,778
		W7YAQ	590,472
CW	HP	AA3B	2,897,100
		VE3JM	2,767,694
		N4OGW	2,120,676
		VA2EW	2,090,848
		WØUA	1,963,704
		K7GM	1,853,670
		K3EL	1,530,816
		K9CT	1,445,026
		N5XZ	1,439,465
		K2SSS	1,383,824
Multi	HP	K5TR	2,817,848
		KD4D	2,570,425
		W3UA	2,435,028
		K5RX	2,094,400
		N1LN	1,942,655
		N3RS	1,919,148
		WW4LL	1,792,792
		K5RT	1,728,396
		KD2RD	1,329,333
		VE7ZO (@VE7UF)	1,283,469

Division Winners

Division	*Category*	*Power*	*Call*	*Score*
Atlantic	Mixed	QRP	NQ2T	404
	Mixed	LP	KB3LIX	121,030
	Mixed	HP	W2FU (N2ZN, op)	2,437,358
	Phone	QRP	AB3RW	2,673
	Phone	LP	W2TF	91,242
	Phone	HP	WB2KLD	21,824
	CW	QRP	WA2FBN	2,436
	CW	LP	NW2K	504,452
	CW	HP	AA3B	2,897,100
	Multi	HP	KD4D	2,570,425
Canada	Mixed	LP	VE3BR	624,792
	Mixed	HP	VE3AT	3,222,115
	Phone	QRP	VE5DLD	448
	Phone	LP	VE1WOW (K1WO,op)	204,672
	Phone	HP	VE7SZ	363,924
	CW	QRP	VA3SB	256,818
	CW	LP	VE1RGB	596,778
	CW	HP	VE3JM	2,767,694
	Multi	HP	VE7ZO (@VE7UF)	1,283,469
Central	Mixed	QRP	AF9J	1,088
	Mixed	LP	K9OM	657,845
	Mixed	HP	WR9D (KB9UWU, op)	1,037,321
	Phone	QRP	K9JK	1,302
	Phone	LP	W9RF	49,416
	Phone	HP	WB9ONU	74,883
	CW	QRP	N1RU	25,956
	CW	LP	K9QVB	152,570
	CW	HP	K9CT	1,445,026
	Multi	HP	NV9L	1,067,840
Dakota	Mixed	LP	KØAD	420,046
	Phone	QRP	WBØIWG	7,200
	Phone	LP	NØECK	81,310
	Phone	HP	NUØW	2,976
	CW	QRP	NØHOT	3,920
	CW	LP	NAØN	395,008
	CW	HP	KTØA	131,140
	Multi	HP	KØKX	230,724

Delta	Mixed	QRP	KC5WA	7,920
	Mixed	LP	KS4X	25,584
	Mixed	HP	K5UZ	544,320
	Phone	LP	NW4KU	50,819
	Phone	HP	WA5OYU	556,248
	CW	QRP	N2WN	10,076
	CW	LP	K4LTA	250,815
	CW	HP	N4OGW	2,120,676
	Multi	HP	N4DW	420,660
Great Lakes	Mixed	QRP	KT8K	45,140
	Mixed	LP	N8VV	211,640
	Mixed	HP	W8CAR	552,069
	Phone	LP	AC8JF	92,070
	Phone	HP	KE8FT	212,220
	CW	QRP	AC8AP	51,392
	CW	LP	NA8V	783,450
	CW	HP	N8BJQ	769,699
	Multi	HP	K8BL	382,158
Hudson	Mixed	LP	WA2JQK	143,184
	Mixed	HP	N2UN	418,782
	Phone	LP	KS2G	45,580
	Phone	HP	K2JMY	77,100
	CW	QRP	WK2T	8,052
	CW	LP	W2GN	118,860
	CW	HP	W2LE	333,154
	Multi	HP	KD2RD	1,329,333
Midwest	Mixed	QRP	KØOU	231,870
	Mixed	LP	KCØDEB	155,400
	Mixed	HP	WØEWD (@NØNI)	1,653,093
	Phone	LP	WØKAN	28,728
	Phone	HP	KØRH	321,195
	CW	QRP	NØHYD	1,722
	CW	LP	KØVBU	178,440
	CW	HP	NØAV	118,192
	Multi	HP	NØAX	33,726
New England	Mixed	QRP	K1LT	9,835
	Mixed	LP	KB1HNZ	141,372
	Mixed	HP	KQ2M	3,785,940
	Phone	LP	N1UR	882,336
	Phone	HP	K1PLX	261,136
	CW	QRP	K8CN	228,200
	CW	LP	W1RM	1,132,203
	CW	HP	W1QK	1,028,304
	Multi	HP	W3UA	2,435,028
Northwestern	Mixed	QRP	NN7SS (K6UFO, op)	996
	Mixed	LP	N7VPN	48,783
	Mixed	HP	KS7T	190,068
	Phone	QRP	KK7VL	876
	Phone	LP	K7MK	78,795
	Phone	HP	W7WA	1,851,816
	CW	QRP	NX1P	8,814
	CW	LP	WJ9B	747,285
	CW	HP	K7RF	407,160
	Multi	HP	K7BTW	277,589
Pacific	Mixed	LP	K7ACZ	140,566
	Mixed	HP	N6NF	447,120
	Phone	LP	K6GHA	153,034
	Phone	HP	W6FB	20,220
	CW	QRP	WB6BDD	896
	CW	LP	HI8A	85,436
	CW	HP	K9YC	237,262
	Multi	HP	K6MMM	957,504
Roanoke	Mixed	QRP	W4DFG (W1TEF, op)	2,781
	Mixed	LP	AA4NC	1,104,495
	Mixed	HP	N8II	1,122,160
	Phone	QRP	N4ZAK	5,472
	Phone	LP	W4FT	197,349
	Phone	HP	KA8Q	114,000
	CW	LP	W4IX	1,151,955
	CW	HP	K7GM	1,853,670
	Multi	HP	N1LN	1,942,655
Rocky Mountain	Mixed	LP	WØDLE	544,765
	Mixed	HP	KO7X	415,467
	Phone	LP	N7MZW	116,154
	Phone	HP	N5HC	61,548
	CW	QRP	K9JWV	27,750
	CW	LP	AD1C	96,723
	CW	HP	WØUA	1,963,704
	Multi	HP	WA7LNW	481,866
Southeastern	Mixed	QRP	NA4CW	87,138
	Mixed	LP	KU8E	683,000
	Mixed	HP	K4AB	1,648,992
	Phone	QRP	NT4TS	61,544
	Phone	LP	KT4ZB	265,950
	Phone	HP	KJ4LTA	98,552
	CW	QRP	K3TW	51,798
	CW	LP	WB4TDH	670,662
	CW	HP	N4UU	914,560
	Multi	HP	WW4LL	1,792,792
Southwestern	Mixed	LP	W6AWW	361,921
	Mixed	HP	K6LA	1,244,310
	Phone	QRP	W6QU (W8QZA, op)	78,078
	Phone	LP	KQ6P	65,520
	Phone	HP	W6AFA	385,402
	CW	QRP	N7IR	157,398
	CW	LP	K7WP	431,406
	CW	HP	NI6W (W4EF, op)	669,992
	Multi	HP	NX6T	930,748
West Gulf	Mixed	LP	N5DO	798,930
	Mixed	HP	W5PF	66,976
	Phone	LP	K5DHY	128,340
	Phone	HP	K5LLA	717,500
	CW	LP	W5ZO	408,240
	CW	HP	N5XZ	1,439,465
	Multi	HP	K5TR	2,817,848

Top Ten DX Scores

Category	Power	Call	Score
Mixed	QRP	DK3WE	654,408
		UT5UN	443,016
		OK7CM	433,020
		SP5DDJ	325,251
		US2IZ	202,583
		9A2EY	184,832
		LZ5QZ	142,800
		IZ8JFL	130,686
		DL6OCH	122,952
		YU1LM	68,400
Mixed	LP	MWØEDX	1,890,312
		PS2T (PY2NY, op)	1,859,872
		LY6A	1,225,733
		RA9AP	1,004,394
		UR6EA	891,880
		7Z1SJ	865,536
		R7MM	851,075
		YT2AAA	797,268
		DK8ZZ	671,155
		UA6FZ	639,408
Mixed	HP	EF8U (EA8RM, op)	4,534,184
		UW1M	4,023,788
		A65BP	3,974,580
		KP3Z (NP4Z, op)	3,351,600
		UPØL	3,253,104
		OH6LI	2,848,225
		EU1A	2,842,775
		R5GA	2,815,420
		UW5Y	2,814,592
		OM7JG	2,690,337
Phone	QRP	FY5FY	1,074,258
		DL8LR	371,209
		HA5NB	310,980
		DKØTC (DL1APQ, op)	155,848
		SP7VTQ	113,918
		UR5IPW	108,429
		US5ZCW	98,905
		HB9EGA	62,048
		IK1BBC	57,886
		ON4MW	49,385
Phone	LP	EA8MT	1,964,314
		UX9Q (UR9QQ, op)	1,602,992
		EI1A (ON4EI, op)	1,347,192
		HA3DX (HA4XH, op)	1,296,625
		EE7Y (EA7ISH, op)	1,085,088
		YV1KK	1,023,400
		RA3Y	890,813
		KP2/AA1BU	834,426
		G3VAO	736,296
		XE3/K5ENS	578,187
Phone	HP	CN2R	5,203,660
		5B4AIF	3,691,008
		PJ4DX	2,726,205
		H2T (5B4XF, op)	2,684,640
		HG8R (HA8JV, op)	2,494,570
		IW2HAJ	2,192,226
		IKØPHY	2,171,430
		ES5RW	2,169,490
		RJ4P	2,115,840
		ED8W	2,030,072
CW	QRP	HG3M (HA3MY, op)	538,764
		UC7K	531,180
		LZ2RS	405,790
		UA8AA	316,840
		DD1IM	271,852
		DL4SDW	179,655
		UX2MF	171,684
		UA1CUR	157,480
		UX5UU	155,820
		DL1EFW	147,832
CW	LP	LY5R	1,523,319
		IO4T	1,419,075
		UA3RF	1,360,510
		WP3C	1,346,730
		DD5M (DJØZY, op)	1,092,168
		YR9F (YO9FNP, op)	1,077,858
		SP4JCQ	1,049,489
		RG5A	1,020,786
		HG8K (HA8GY, op)	975,600
		S53V	915,642
CW	HP	P3F (5B4AGN, op)	4,103,834
		UA5C	3,330,360
		6V7S	3,130,668
		RG6G	2,936,848
		OH1F (OH1TM, op)	2,631,930
		OQ5M (ON5ZO, op)	2,391,347
		OG2P (OH2PM, op)	2,385,216
		RT5Z (RA3CW, op)	2,347,048
		EW2A	2,278,725
		S52OP	2,198,490
Multi	HP	RM9A	4,576,196
		CR3T	4,317,392
		UA4M	4,087,280
		HG1S	3,936,845
		HG7T	3,819,202
		UR7GO	3,362,115
		DL2CC	3,301,812
		IR8C	3,142,731
		SP8R	2,791,565
		IK2YCW	2,690,149

Regional Leaders - US and Canada

Categories: Mixed Mode, Phone Only, CW Only, Multioperator

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			
Call	*Cat*	*Pwr*	*Score*	*Call*	*Cat*	*Pwr*	*Score*	*Call*	*Cat*	*Pwr*	*Score*	*Call*	*Cat*	*Pwr*	*Score*	*Call*	*Cat*	*Pwr*	*Score*
K1LT	Mix	QRP	9,835	NA4CW	Mix	QRP	87,138	KT8K	Mix	QRP	45,140	KØOU	Mix	QRP	231,870	NN7SS (K6UFO, op)	Mix	QRP	996
NQ2T	Mix	QRP	404	KC5WA	Mix	QRP	7,920	KU4A	Mix	QRP	19,320	N5DO	Mix	LP	798,930	W6AWW	Mix	LP	361,921
VE2AWR	Mix	LP	210,328	W4DFG (W1TEF, op)	Mix	QRP	2,781	K8ZT	Mix	QRP	17,298	N5ZC	Mix	LP	707,460	NN6CH	Mix	LP	307,436
WA2JQK	Mix	LP	143,184	AA4NC	Mix	LP	1,104,495	K9OM	Mix	LP	657,845	WØDLE	Mix	LP	544,765	WA6FGV	Mix	LP	302,016
KB1HNZ	Mix	LP	141,372	KU8E	Mix	LP	683,000	VE3BR	Mix	LP	624,792	WØEWD (@NØNI)	Mix	HP	1,653,093	K6LA	Mix	HP	1,244,310
KQ2M	Mix	HP	3,785,940	N4OX	Mix	LP	645,120	N8VV	Mix	LP	211,640	KØBJ	Mix	HP	490,000	N6NF	Mix	HP	447,120
K6XX	Mix	HP	3,045,750	K4AB	Mix	HP	1,648,992	VE3AT	Mix	HP	3,222,115	KO7X	Mix	HP	415,467	N6MI	Mix	HP	376,090
W2FU (N2ZN, op)	Mix	HP	2,437,358	WO4O	Mix	HP	1,430,702	VE3OI	Mix	HP	1,333,150	WBØIWG	Ph	QRP	7,200	W6QU (W8QZA, op)	Ph	QRP	78,078
AB3RW	Ph	QRP	2,673	N8II	Mix	HP	1,122,160	WR9D (KB9UWU, op)	Mix	HP	1,037,321	VE5DLD	Ph	QRP	448	K7RLL	Ph	QRP	3,432
N1UR	Ph	LP	882,336	NT4TS	Ph	QRP	61,544	K9JK	Ph	QRP	1,302	K5DHY	Ph	LP	128,340	KK6RF	Ph	QRP	2,684
VE1WOW (K1WO,op)	Ph	LP	204,672	N4ZAK	Ph	QRP	5,472	VE3VE	Ph	LP	162,500	N7MZW	Ph	LP	116,154	K6GHA	Ph	LP	153,034
KA2KON	Ph	LP	99,064	KT4ZB	Ph	LP	265,950	VA3GKO	Ph	LP	144,353	W5GFI	Ph	LP	89,864	HI3K	Ph	LP	129,528
K1PLX	Ph	HP	261,136	W4FT	Ph	LP	197,349	VE3MV	Ph	LP	96,798	K5LLA	Ph	HP	717,500	K7MK	Ph	LP	78,795
WA1NPZ	Ph	HP	207,360	N9DFD	Ph	LP	133,168	KE8FT	Ph	HP	212,220	AD5XD	Ph	HP	635,318	W7WA	Ph	HP	1,851,816
K2JMY	Ph	HP	77,100	WA5OYU	Ph	HP	556,248	AJ4A	Ph	HP	146,016	N5MV	Ph	HP	341,824	W6AFA	Ph	HP	385,402
K8CN	CW	QRP	228,200	K5ER	Ph	HP	537,119	VA3ZNQ	Ph	HP	106,862	K9JWV	CW	QRP	27,750	VE7SZ	Ph	HP	363,924
W1WBB	CW	QRP	28,860	KA8Q	Ph	HP	114,000	VA3SB	CW	QRP	256,818	NØHOT	CW	QRP	3,920	N7IR	CW	QRP	157,398
WK2T	CW	QRP	8,052	K3TW	CW	QRP	51,798	AC8AP	CW	QRP	51,392	KA8HDE	CW	QRP	1,924	KØMP	CW	QRP	15,365
W1RM	CW	LP	1,132,203	K4MF	CW	QRP	14,960	N1RU	CW	QRP	25,956	W5ZO	CW	LP	408,240	NX1P	CW	QRP	8,814
K1IMI	CW	LP	688,524	N2WN	CW	QRP	10,076	NA8V	CW	LP	783,450	NAØN	CW	LP	395,008	WJ9B	CW	LP	747,285
VE1RGB	CW	LP	596,778	W4IX	CW	LP	1,151,955	W1NN	CW	LP	771,274	W5RYA	CW	LP	251,129	W7YAQ	CW	LP	590,472
AA3B	CW	HP	2,897,100	K7SV	CW	LP	1,054,144	KV8Q	CW	LP	480,006	WØUA	CW	HP	1,963,704	K7WP	CW	LP	431,406
VA2EW	CW	HP	2,090,848	WB4TDH	CW	LP	670,662	VE3JM	CW	HP	2,767,694	N5XZ	CW	HP	1,439,465	NI6W (W4EF, op)	CW	HP	669,992
K3EL	CW	HP	1,530,816	N4OGW	CW	HP	2,120,676	K9CT	CW	HP	1,445,026	WD5K	CW	HP	630,416	N6MA	CW	HP	579,411
KD4D	Multi	HP	2,570,425	K7GM	CW	HP	1,853,670	N8BJQ	CW	HP	769,699	K5TR	Multi	HP	2,817,848	K6NR	CW	HP	578,344
W3UA	Multi	HP	2,435,028	N4ZZ	CW	HP	1,341,198	NV9L	Multi	HP	1,067,840	K5RX	Multi	HP	2,094,400	VE7ZO (@VE7UF)	Multi	HP	1,283,469
N3RS	Multi	HP	1,919,148	N1LN	Multi	HP	1,942,655	K8BL	Multi	HP	382,158	K5RT	Multi	HP	1,728,396	K6MMM	Multi	HP	957,504
				WW4LL	Multi	HP	1,792,792	K8PGJ	Multi	HP	335,750					NX6T	Multi	HP	930,748
				N6AR	Multi	HP	621,150												