



# ARRL International DX Contest Phone 2020 Results

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Just before our world was turned upside down with the pandemic and shelter-in-place orders, the 2020 ARRL International DX Contest managed to squeak in and give the world a good dose of DX radiosport single side-band competition.

Although we remain at the minimum of the solar cycle, operators reported more favorable conditions compared with last year, particularly on the first day of the contest. Due to the solar minimum however, much of the activity was focused on 20 meters and below; 15-meter conditions were very challenging, and there was not a lot of activity at all on 10 meters. Let's hope that next year we are on the upswing of Cycle 25 and the upper bands open up for more DX action.

## Multi-Op contesting fun

Multioperator contesting is a special subset of radiosport, and it's something for which the ARRL DX Phone contest is ideally suited. It features long-standing rivalries, fierce competition and massive scores. Yet, along with the competition comes the camaraderie of teamwork, friends doing what they love together, good times and good memories. For perhaps the last time in 2020, if not longer, multioperator teams were able to come together without the heavy restrictions of a global pandemic. Depending on the country, the foreseeable future of multioperator contesting may well be by remote operation.

### Multioperator, Multi-transmitter, W/VE

K3LR	7,332,930
W3LPL	6,326,451
K1TTT	3,478,596
NE3F	1,335,180
W1CSM	783,144
K5LRW	46,866

As happens each year, some of those long-standing rivalries happen on the Multi-Operator Multi-Transmitter side. One that's well known is the regular M/M shootout



The lush property of Kam, N3KS, in Costa Rica at TI7W. [N3KS Photo]

between the K3LR and W3LPL superstations here in the United States. Tim, K3LR, and his team were able to edge out Frank, W3LPL, and his team by about a million points, but it's all relative, with around seven and six million points respectively. These are monumental efforts from the well-engineered stations that support them. Dave, K1TTT, and crew pulled into third place, also with a quite-respectable big score as well.

On the M/M DX side, checking in with a K3LR-sized score, from the Caribbean, PJ2T managed to pull way ahead and best second place 9A1A to take the DX victory lap.

### Multioperator, Multi-transmitter, DX

PJ2T	7,052,760
9A1A	3,611,376
HCØE	1,224,990
JA3YBK	849,537
LN8W	771,786
IU6HPN	630

The Multi-Operator, Two Transmitter, High Power category had one of the closer races in the Contest. The American M/2 team operating under the familiar call of contest log creator Tom, N1MM, managed to beat team K8AZ in a very close race. On the DX side, another winning effort from the Caribbean as PJ4G was able to

stay comfortably ahead of second place HQ9X. However, we will see what the future holds as the HQ9X team boosted its score by 2-million points this year!

#### Multioperator, Two Transmitter, DX

PJ4G	8,094,204
HQ9X	6,030,822
M6T	2,228,373
EI9E	1,418,112
RW7K	1,303,848
HG7T	913,323
JH8YOH	439,200
C37N	236,940
IQ8UW	7,875

#### Multioperator, Two Transmitter, W/VE

N1MM	2,508,768
K8AZ	1,989,504
K2AX	1,545,372
W2CG	1,541,904
W5WZ	1,360,176
KA1ZD	1,331,388
K3MTR	1,165,920
KT7E	1,034,343
WB2P	821,712
W1QK	709,275

#### Multioperator, Single Transmitter, High Power W/VE

NV9L	2,309,568
K3ND	1,412,403
K2LE	1,410,870
W3MF	1,096,704
K3MD	1,012,500
N7NR	964,275
W8PR	954,018
W3LL	806,031
N3XF	761,001
WT3Q	753,480

In the popular M/S HP category, some well-known veterans battled for top position in the US. Val, NV9L, and Jerry, WB9Z, using Val's NV9L callsign took top honors, but a close race for second as K3ND (a lean team of KU2C and W2GD ops) overcame some station

hardware obstacles to barely stay ahead of team K2LE. These kinds of tight races are fun! Outside the US, once again the Caribbean stations stayed on top as the well-known ZF1A station, staffed by John, K6AM, Tim, N6WIN, and Joe, K6JO, on Grand Cayman Edged out the J68HZ team in another nail-biter.

#### Multioperator, Single Transmitter, High Power DX

ZF1A	6,404,508
J68HZ	6,210,894
TOØA	5,360,952
H33K	4,144,608
KH7M	3,368,418
TO3Z	3,309,600
IR4M	2,970,768
IO5O	2,414,475
4A7S	2,316,762
J68SS	2,048,634

M/S low power is a great way to start out in multi-op contesting. Avoiding using QRO power allows for quick setups, sometimes fewer problems and its easy to call a friend over and setup a transceiver/antenna combination and get on the air and have some fun. In this running, Ethan, N1SOH, had a solid lead on top of a three-way horse race for second. Matt, NM1C, managed to edge out the Newfoundland and Labrador special-event station, VD1TP, and Bob, N8YXR, in a close race for second place, again proving that that good battles can be realized at whatever level, competing on a friendly level with others in your area, division or section.

#### Multioperator, Single Transmitter, Low Power DX

VP5M	3,290,130
HCØT	1,917,480
HI3LT	1,794,288
C6ATF	1,215,081
C6ANM	642,270
LU2EE	134,805
V47P	125,334
PY1NX	63,756
EA2RCA	9,504
JK2VOC	7,584

In this category on the DX side, we often see scores that rival high-power ones here in North America. As usual, another Caribbean-based station took top honors, as VP5M dominated, with HCØT and HI3LT in a shootout

for second but trailing the leader by more than a million points.

### Multioperator, Single Transmitter, W/VE

N1SOH	361,440
NM1C	276,024
VD1TP	237,300
N8YXR	227,520
KJ3T	182,214
AB5J	65,238
WA1F	59,169
K9IU	48,654
K2AA	40,290
NJ1F	23,814

Congratulations are in order for all the great efforts submitted. Team competition is such an important aspect of radiosport, and it's my hope we can maintain the pastime of multi-op contesting with good ham spirit and ingenuity, regardless of the challenges put in front of us.

Ray, W2RE, operated from one of the larger stations he has been instrumental in building in recent years and racked up an incredible 20-meter QSO total, stating, "I just ran, ran, ran! To my surprise I worked 120 countries."

## The Lone Warriors

### Single Operator, Low Power DX

P4ØA (KK9A, op)	4,035,720
VP2MMF (K1XX, op)	3,342,993
KP3DX (NP4Z, op)	2,675,970
WP3R	1,579,662
V31MA	1,064,460
KP4PR	1,026,195
KH6CJJ	942,033
PJ7AA (AA9A, op)	675,132
TI2OY	548,100
IW1FRU	431,748

### Single Operator, Low Power W/VE

N4TZ	660,630
K5KU	480,447
AD5A	452,160
NT6Q (N5ZO, op)	423,864
K5FUV	369,720
N1DD	318,852
W7RM (K2PO, op)	317,628
KE3X	292,992
W6DVS	285,735
K3SU	273,321

To be or not to be... assisted, that is. That's the question many ask in the Single Operator categories. Both have advantages and disadvantages. For instance, in a major SSB contest unlimited category, it is not unusual for someone to click through a spot and work the station only to discover it's a dupe or incorrect call since the call was posted incorrectly. Care should always be made to copy a call with your ears, but in the fast-paced DX contest environment, this can be overlooked, which results in score-reducing errors. This is in stark contrast to the standard category, where you log what you hear, and must scan the bands to find who you're going to work. Let's take a dive into the Single Operator and Single Operator, Unlimited results and then you can make the choice for your next effort!



Ray, W2RE working on one of his station's big antenna arrays. [W2RE Photo]

## Classic

### Single Operator, High Power W/VE

VY2ZM	3,563,388
NR3X (N4YDU, op)	3,071,232
VY2TT	2,815,005
CF3A (VE3AT, op)	2,663,592
N1UR	2,596,770
W9RE	2,249,208
K4AB	1,749,468
K3ZO	1,592,748
N9RV	1,366,854
NA8V	1,277,760

In the Single Operator, High Power category, in North America, the top battle was between Jeff, VY2ZM (a.k.a. K1ZM), on Prince Edward Island, and NR3X, a remote effort driven by SO2R (single operator two radio) expert Nate, N4DYU. Despite a valiant effort, NR3X fell into second place with VY2ZM taking the trophy in a fairly tight race. Ken, VY2TT (a.k.a. K6LA), took third right up there with the two top stations. On the DX side, another high-point battle was fought, as Dan, N6MJ, operating from TI7W managed to best prolific and expert contest operator Tom, W2SC, who was driving his familiar 8P5A station.

Kam, N3KS, owner of the well-equipped TI7W contest station shown above, hosted Dan, N6MJ, producing a winning effort from Costa Rica

### Single Operator, High Power DX

TI7W (N6MJ, op)	7,611,516
8P5A	6,287,502
V47T	5,762,700
NP2P (N2TTA, op)	3,740,076
TO5A (F5VHJ, op)	3,177,291
KP3MM	2,868,624
KH6LC (N6TJ, op)	2,781,360
ZF5T	2,463,912
KL7RA (KLØR, op)	1,848,384
EA8RM	1,762,344

The Single Operator, Low Power category often times has surprises since there are more operators who have stations that can compete in this category with just their



The well-equipped shack at TI7W. [N3KS Photo]

transceiver and an antenna, often referred to with endearment as “a young operator and his (or her) radio”.

This category had a clear winner, as first place Horace, N4DZ, took top honors by more than 200k points. Second place Gary, K5KU, also did great, despite struggling to get answers to his low power CQs. On the DX side, in Aruba, John, KK9A drove P4ØA to decisive victory with VP2MMF (Charlie, K1XX) in second place.

### Single Operator, QRP DX

LZ9W (LZ1UQ, op)	117,549
HA1DAE	41,205
F5BEG	24,924
JH7UJU	11,592
JA6GCE	9,840
JQ1NGT	6,018
DF5RF	4,131
IK2JTS	3,744
9A5VS	3,564
IW2NRI	2,709

QRP operating is a challenge in any contest, and especially in a DX contest at the bottom of a solar cycle. These dedicated operators in the Single Operator, QRP category must exercise extreme patience as well as skill to be heard by stations running exponentially more power. Ralf, WE6EZ, was the clear winner this time, leveraging his centralized Texas QTH. Tom, K3TW, snuck into second place with a little more than half the score of the winning effort.



Outside of North America, LZ9W (Mitko, LZ1UQ, op.) had a clear win with a very high score from across the pond with second and third place also falling to European stations Zugo, HA1DAE, and Gerard, F5BEG.

### Single Operator QRP W/VE

WE6EZ	79,968
K3TW	41,976
W6QU (W8QZA, op)	28,638
AG4ZL	8,232
KA6PNL	8,178
N3CI	6,804
WX2N	6,660
K1MTD	4,935
K2MIJ	3,564
W7BAK	2,697

## Unlimited

In contrast to the classic category, the Single Operator, Unlimited category opens up assistance: In a phone contest this is usually in the form of internet-based spotting cluster networks. It's interesting how often unlimited efforts come in with lower scores than similar classic stations in the corresponding Single Operator, non-assisted category.

### Single Operator, High Power Unlimited W/VE

AA1K	2,647,890
NC1I (K9PW, op)	2,400,930
K1KI (KM1P, op)	2,397,933
K3WW	2,355,723
N3RD	2,274,300
N3RS	2,096,766
W3UA	2,071,197
AA3B	2,051,148
K5TR	2,030,145
K1RX	1,914,528

The Single Operator, High Power, Unlimited category had one of the larger close races in the contest. Jon, AA1K, emerged the victor slightly ahead in a five-way race, with Frank, NC1I, Tom, K1KI, Chas, K3WW and Dave, N3RD, all neck-and-neck. Another super tight race that must have been very interesting on the inside. On the DX side, KP2M (Tony, N2TK, op.) pulled ahead of PT5J (Sergio, PP5JR, op.) for the win.

### Single Operator, High Power, Unlimited DX

KP2M (N2TK, op)	4,222,245
PT5J (PP5JR, op)	3,947,010
DL6FBL	2,912,760
V26M (N3AD, op)	2,696,493
EA7X	2,600,250
ZW5B (PY2KC, op)	2,444,400
OM2VL	1,783,449
9AØBB (9A3XV, op)	1,606,554
9A5Y (9A3LG, op)	1,595,715
LY4A	1,412,445

### Single Operator, Low Power, Unlimited W/VE

NN1C	1,397,955
VA3DF	805,140
NY6DX	593,460
KS1J	500,712
N2SQW	418,902
WA1FCN	417,750
W3KB	401,622
W9XT	375,708
W1SIP	342,720
WO1N	330,270

The Single Operator, Low Power, Unlimited category was dominated by a big score by Marty, NN1C. He was nearly a half-million points ahead of second place Doug, VA3DF. A domination situation happened in the DX race, with VP9I (Steve, K3SW, op.) leading second-place Dusan, S52NR by more than a million points!

### Single Operator, Low Power, Unlimited DX

VP9I (K3SW, op)	1,629,360
S52NR	582,180
HK4GOO	491,526
9Z4Y	342,030
HIØLT (KC1XX, op)	338,082
PT7ZT	167,940
PR5K (PY5FO, op)	123,093
PY2ZR	100,320
PY2CX	94,122
PS8HF	83,520

In the Single Operator, QRP, Unlimited category, Tony, K8ZT, was solidly ahead of Dan, K7SS, operating from the west coast. Carlos, PY2XC, led the DX side from Brazil in this category, with more than double the score of second place Karel, OK2FD.

#### Single Operator, QRP, Unlimited DX

PY2XC	47,088
OK2FD	21,420
PV8AZ	9,576
DJ1XT	2,100
JK1TCV	2,040
MM3AWD	969
R7FO	882
YC2VOC	126
BA4TB	18

#### Single Operator, QRP, Unlimited, W/VE

K8ZT	48,618
K7SS	16,830
K2GMY	6,480
W8IQ	1,872
KJ5T	330
NRØQ	243
K6CTA	3

## The Single-banders

A good option for folks that are time limited or who want to explore all the propagation nuances of a particular band, the single band category is a good choice. In fact this author who normally activates a M/M chose to do an SOSB/15 in this run. As you can imagine there are some big battles that happen in these categories, and sometimes some notable scores, for instance W2RE managed a very large SOSB/20 remote effort here in NA using new technology that prevented his use of a regular contest logger, and a shootout where FY5KE (Marc, F1HAR, op) managed to best Ricardo, PY2PT, operating the PX2A contest station in the SOSB/15 category where they hosted several single band efforts rather than a multi.

“Four operators enjoyed the contest at SOSB categories as follows: PX2A (PY2PT), SOSB15HP; PX2B (PY2LED), SOSB80HP; and PV2P (PY2DY), SOSB20HP. The atmosphere inside the station is always fantastic and each one used to push other to the limits.

Sometimes, depend on the band, one of the guys cook and serve the other one and vice-versa,” says Ricardo, PY2PT.

This category can be lots of fun! Please take a look at the line scores for all the SOSB battles, challenges and triumphs.

### Single-band, W/VE

#### Single Operator, 160 Meters

W2MF	10,920
AG4W	7,788
VE3PN	5,760
WB4WXE	3,456
VA3SK	1,656
W8KA	330
NØUY	75

#### Single Operator, 80 Meters

W3BGN	55,278
K8UR	47,064
W3NO	35,697
KK6ZM	35,460
WD6T (@N6RO)	28,362
KA1IS	26,733
NØOK	23,364
K5KJ	19,440
VE9ML	16,686
W9JOE	13,833

#### Single Operator, 40 Meters

W7WA	250,290
KT3RR	31,086
K2UR	30,552
KD4RH	25,668
W2AAB	24,960
WB8YYY	22,326
WA8RCN	18,900
WDØBGZ	13,356
K3HW	13,350
WA3FAE	12,054

**Single Operator, 20 Meters**

W2RE	866,520
VE3DZ	504,561
N7TU (K2SS, op)	337,584
WØEWD	249,705
AA6AA	200,178
K8LX	155,682
AB4B	154,755
K8FF	152,844
W1AVK	80,136
KØBBB	70,227

**Single Operator, 15 Meters**

K5RX	28,302
K1KNQ	14,715
N6WM	14,040
NCØB	10,605
WB2AMU	8,280
AJ6T	6,231
KX2S	5,880
W2NPT (W3EH, op)	5,301
AD4L	4,263
WD5DJW	2,898

**Single Operator, 10 Meters**

W5PR	1,404
W4DD	864
N4TUT	486
K4WI	378

**Single-band, DX****Single Operator, 160 Meters**

I5JVA	23,760
SN7D (SQ7D, op)	11,253
LU8DPM	5,859
LY7Z	3,135
YO3APJ	3,021
RTØF	1,554
HC5DX	1,092
WL7N	264
SP3GTS	147

**Single Operator, 80 Meters**

XE2X	201,780
F6KHM (F4DXW, op)	159,384
EA5KA	153,120
MI5K (MIØSLE, op)	119,556
TI2CC	110,040
TM9R	106,947
II9P (IT9EQO, op)	99,468
I4AVG	92,196
HB9CXZ	90,552
HG1S (HA1TJ, op)	80,850

**Single Operator, 40 Meters**

CR6T (CT1ESV, op)	451,794
LX2ØI (F4HWS, op)	420,918
I4VEQ	381,006
S51YI	290,055
ED1R (EC1KR, op)	232,290
OM2KI	225,000
SN3A (SP3GEM, op)	220,590
YTØA (YT7WM, op)	218,340
EA5Z	215,238
CR6K (CT1CJJ, op)	208,449

**Single Operator, 20 Meters**

FY5FY	578,829
D4Z	555,768
PYØF (PT2IC, op)	360,006
S5ØR	332,568
PV2P	311,220
HA8JV	285,324
IR6T (IK6JNH, op)	282,162
YT1X	279,990
IR1G (IT9RGY, op)	270,474
S57AL	259,677

### Single Operator, 15 Meters

FY5KE (F1HAR, op)	358,380
PX2A (PY2PT, op)	328,689
CV7S	307,449
KP4RV	225,888
LW7DX	182,526
PY5WW	134,577
LU1DK	117,978
PP5JN	96,030
PY2UD	90,630
LU9VD (LU9VEA, op)	68,952

### Single Operator, 10 Meters

PY2TMV	5,859
CA4PSH	5,151
PU5FJR	4,914
PU2SDX	2,832
PU2WDX	2,736
PU2UAF	2,091
PU1JSV	1,248
PU5DUD	1,215
PU5BOY	552
PU5DEH	450



Single bander camaraderie at the PX2A station. [PY2LT photo)

So there you have it, another fun ARRL DX Phone contest is in the books for this year's participants!

With this year requiring some participant adjustments due to the pandemic, lets hope we can run this event full steam ahead again next year -- and if we have to adapt to world conditions that we are able to do so, keeping multi-op'ing going via remote and social distancing, while continuing to have fun working DX contests.

**The next ARRL International DX Contest Phone is March 6-7, 2021. Mark your calendars and see you next year!**



## Continental Winners

### Africa

Single Operator, High Power	EA8RM	1,762,344
Single Operator, Low Power	EA8AUW	203,610
Single Operator Unlimited, High Power	ED8M (EA8DIG, op)	195,552
Single Operator Unlimited, Low Power	EF8O (EA8OM, op)	6,660
Single Operator, 20 Meters	D4Z	555,768
Single Operator, 15 Meters	EA8DED	46,569

### Asia

Single Operator, High Power	JA2AXB	132,933
Single Operator, Low Power	JH1EAQ	103,095
Single Operator, QRP	JH7UJU	11,592
Single Operator Unlimited, High Power	JAØFVU	55,980
Single Operator Unlimited, Low Power	JA6WFM	21,450
Single Operator Unlimited, QRP	JK1TCV	2,040
Single Operator, 160 Meters	RTØF	1,554
Single Operator, 80 Meters	JAØJHA	50,544
Single Operator, 40 Meters	RA9V	3,780
Single Operator, 20 Meters	JA7NVF	122,472
Multioperator, Single Transmitter, High Power	JH4UYB	701,244
Multioperator, Single Transmitter, Low Power	JK2VOC	7,584
Multioperator, Two Transmitter	JH8YOH	439,200
Multioperator, Multitransmitter	JA3YBK	849,537

### Europe

Single Operator, High Power	IR2Q (IK2PFL, op)	1,688,460
Single Operator, Low Power	IW1FRU	431,748
Single Operator, QRP	LZ9W (LZ1UQ, op)	117,549
Single Operator Unlimited, High Power	DL6FBL	2,912,760
Single Operator Unlimited, Low Power	S52NR	582,180
Single Operator Unlimited, QRP	OK2FD	21,420
Single Operator, 160 Meters	I5JVA	23,760
Single Operator, 80 Meters	F6KHM (F4DXW, op)	159,384
Single Operator, 40 Meters	CR6T (CT1ESV, op)	451,794
Single Operator, 20 Meters	S5ØR	332,568
Single Operator, 15 Meters	EC5K	38,760
Multioperator, Single Transmitter, High Power	IR4M	2,970,768
Multioperator, Single Transmitter, Low Power	EA2RCA	9,504
Multioperator, Two Transmitter	M6T	2,228,373
Multioperator, Multitransmitter	9A1A	3,611,376

### North America

Single Operator, High Power	TI7W (N6MJ, op)	7,611,516
Single Operator, Low Power	VP2MMF (K1XX, op)	3,342,993
Single Operator Unlimited, High Power	KP2M (N2TK, op)	4,222,245
Single Operator Unlimited, Low Power	VP9I (K3SW, op)	1,629,360
Single Operator, 160 Meters	WL7N	264
Single Operator, 80 Meters	XE2X	201,780
Single Operator, 40 Meters	CM2XN	160,911
Single Operator, 20 Meters	WP4SD	145,962
Single Operator, 15 Meters	KP4RV	225,888
Multioperator, Single Transmitter, High Power	ZF1A	6,404,508
Multioperator, Single Transmitter, Low Power	VP5M	3,290,130
Multioperator, Two Transmitter	HQ9X	6,030,822

### Oceania

Single Operator, High Power	KH6LC (N6TJ, op)	2,781,360
Single Operator, Low Power	KH6CJJ	942,033
Single Operator, QRP	VK4FOMP	960
Single Operator Unlimited, High Power	VK4QH	144,336
Single Operator Unlimited, Low Power	YE8XBN	3,120
Single Operator Unlimited, QRP	YC2VOC	126
Single Operator, 80 Meters	T32AZ	19,656
Single Operator, 40 Meters	VK3GK	69,795
Single Operator, 20 Meters	DX7EVM (DU7OK, op)	4,347
Multioperator, Single Transmitter, High Power	KH7M	3,368,418
Multioperator, Single Transmitter, Low Power	DX4EVM	1,440

### South America

Single Operator, High Power	CE3CT	759,015
Single Operator, Low Power	P4ØA (KK9A, op)	4,035,720
Single Operator, QRP	PY2BN	540
Single Operator Unlimited, High Power	PT5J (PP5JR, op)	3,947,010
Single Operator Unlimited, Low Power	HK4GOO	491,526
Single Operator Unlimited, QRP	PY2XC	47,088
Single Operator, 160 Meters	LU8DPM	5,859
Single Operator, 80 Meters	PX2B (PY2LED, op)	58,320
Single Operator, 40 Meters	LU5FC	161,820
Single Operator, 20 Meters	FY5FY	578,829
Single Operator, 15 Meters	FY5KE (F1HAR, op)	358,380
Single Operator, 10 Meters	PY2TMV	5,859
Multioperator, Single Transmitter, High Power	OA4O	1,222,404
Multioperator, Single Transmitter, Low Power	HCØT	1,917,480
Multioperator, Two Transmitter	PJ4G	8,094,204
Multioperator, Multitransmitter	PJ2T	7,052,760

## W/VE Regional Scores

### West Coast Region

#### (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NT Sections)

N9RV	1,366,854	SOHP
W6YX (N7MH, op)	1,012,206	SOHP
K6XX	998,085	SOHP
W6AFA	457,776	SOHP
W7XQ	270,657	SOHP
NT6Q (N5ZO, op)	423,864	SOLP
W7RM (K2PO, op)	317,628	SOLP
W6US	78,648	SOLP
N7IR	70,092	SOLP
WN6K	64,092	SOLP
W6QU (W8QZA, op)	28,638	SOQRP
N7JI	1,044	SOQRP
KK7VL	18	SOQRP
N6HI	18	SOQRP
K7RL	1,605,120	SOUHP
KA6BIM	920,166	SOUHP
N6RV	565,110	SOUHP
WA7AN (K9DR, op)	363,132	SOUHP
N7AT (K8IA, op)	332,856	SOUHP
WZ8T	161,586	SOULP
AK6A	89,661	SOULP
VA7BEC	85,668	SOULP
N7ZUF	58,464	SOULP
KF7DUR	45,978	SOULP
K7SS	16,830	SOUQRP
K2GMY	6,480	SOUQRP
K6CTA	3	SOUQRP
W8KA	330	SO-160
KK6ZM	35,460	SO-80
WD6T (@N6RO)	28,362	SO-80
WZ6ZZ	45	SO-80
W7WA	250,290	SO-40

KK7DP	4,935	SO-40
N7RK	4,050	SO-40
N6LB	3,774	SO-40
KB6A	3,024	SO-40
KB7QFE	3,024	SO-40
N7TU (K2SS, op)	337,584	SO-20
AA6AA	200,178	SO-20
K7ACZ	45,120	SO-20
KE8FT	34,560	SO-20
N7RQ	33,366	SO-20
N6WM	14,040	SO-15
N6RM	882	SO-15
N7JH	3	SO-15
N7NR	964,275	MSHP
NX6T	642,249	MSHP
NW6P	595,392	MSHP
VYØERC	357,561	MSHP
W7VO	222,264	MSHP
WA6SUN	168	MSLP
W7JCR	36	MSLP
KT7E	1,034,343	M2
VE6FI	643,914	M2
W6WB	145,089	M2

### Midwest Region

#### (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)

N2IC	920,580	SOHP
K5WA	896,448	SOHP
N5AW	678,795	SOHP
WØETT	186,438	SOHP
KØJJR	172,674	SOHP
AD5A	452,160	SOLP
NGØC	129,480	SOLP
NØYO	77,760	SOLP
KE5LQ	77,616	SOLP
W5TMC	74,112	SOLP
WE6EZ	79,968	SOQRP

N3CI	6,804	SOQRP
KIØG	2,418	SOQRP
K5TR	2,030,145	SOUHP
KØRF	1,477,074	SOUHP
VE5MX	934,212	SOUHP
N5RZ	811,200	SOUHP
VE4VT	691,188	SOUHP
N5DO	223,650	SOULP
KI5MM	185,850	SOULP
AB5NX	169,338	SOULP
NØUR	160,776	SOULP
NØEO (AAØAW, op)	142,197	SOULP
KJ5T	330	SOUQRP
NRØQ	243	SOUQRP
NØUY	75	SO-160
NØOK	23,364	SO-80
K5KJ	19,440	SO-80
WD5K	13,770	SO-80
WDØBGZ	13,356	SO-40
VE4VJR	1,764	SO-40
KI5EBJ	3	SO-40
WØEWD	249,705	SO-20
KØBBB	70,227	SO-20
W1JCW	45,630	SO-20
KØJM	17,907	SO-20
N5KF	16,968	SO-20
K5RX	28,302	SO-15
NCØB	10,605	SO-15
ADØH	2,706	SO-15
NØWRK	1,080	SO-15
NZ5M	396	SO-15
W5PR	1,404	SO-10
NRØT	87,543	MSHP
WØZWY	2,139	MSHP
AB5J	65,238	MSLP

NDØC	8,832	MSLP
N5AA	109,926	M2
NØMA	97,497	M2
W5KS	7,191	M2
K5LRW	46,866	MM

**Central Region  
(Central and Great Lakes Divisions; Ontario East,  
Ontario North, Ontario South, and Greater  
Toronto Area Sections)**

CF3A (VE3AT, op)	2,663,592	SOHP
W9RE	2,249,208	SOHP
NA8V	1,277,760	SOHP
K9BGL	885,036	SOHP
K8GL	619,650	SOHP
N4TZ	660,630	SOLP
N8GLS	264,735	SOLP
KD9MS	248,460	SOLP
WD9CIR	165,120	SOLP
W8TB	130,806	SOLP
AA9A (N9UA, op)	1,523,520	SOUHP
W8MJ	1,232,640	SOUHP
K9NW	762,078	SOUHP
W9PA	662,688	SOUHP
N8BI	652,245	SOUHP
VA3DF	805,140	SOULP
W9XT	375,708	SOULP
WB8WKQ	306,270	SOULP
K8LY	272,538	SOULP
VA3PDX	218,736	SOULP
K8ZT	48,618	SOUQRP
W8IQ	1,872	SOUQRP
VE3PN	5,760	SO-160
VA3SK	1,656	SO-160
W9JOE	13,833	SO-80
K9IDQ	10,368	SO-80
WI9H	8,385	SO-80

K2UR	30,552	SO-40	K1MM	1,797,780	SOUHP
WA8RCN	18,900	SO-40	N4RV	1,137,150	SOUHP
W9QL	6,156	SO-40	N4RA	1,024,944	SOUHP
VE3PYJ	1,425	SO-40	K5EK	817,674	SOUHP
VA3DKL	798	SO-40	K4XL	716,982	SOUHP
VE3DZ	504,561	SO-20	WA1FCN	417,750	SOULP
K8LX	155,682	SO-20	WT8WV	129,360	SOULP
K8FF	152,844	SO-20	K4SBZ	121,500	SOULP
W9ILY	64,242	SO-20	KK4ADQ	112,395	SOULP
K8IV	56,334	SO-20	K3TD	99,693	SOULP
WB9HFK	2,016	SO-15	AG4W	7,788	SO-160
N8PPF	714	SO-15	WB4WXE	3,456	SO-160
KD8GBK	432	SO-15			
NV9L	2,309,568	MSHP	K8UR	47,064	SO-80
W8PR	954,018	MSHP	K4RZR	810	SO-80
N8YXR	227,520	MSLP	KD4RH	25,668	SO-40
K9IU	48,654	MSLP	NI7R	4,500	SO-40
K8AZ	1,989,504	M2	NS4T	4,224	SO-40
WC8VOA	240,864	M2	W2IKN	2,400	SO-40
W8AJT	46,632	M2	N3RN	1,875	SO-40
<b>Southeast Region</b>			AB4B	154,755	SO-20
<b>(Delta, Roanoke and Southeastern Divisions)</b>			N4EK	36,018	SO-20
K4AB	1,749,468	SOHP	KJ4QHL	19,698	SO-20
AC4G	412,764	SOHP	KB8VND	7,182	SO-20
KU8E	375,687	SOHP	WB4CUZ	3,936	SO-20
WS7X	375,669	SOHP			
K9OM	362,328	SOHP	K1KNQ	14,715	SO-15
K5KU	480,447	SOLP	AJ6T	6,231	SO-15
K5FUV	369,720	SOLP	AD4L	4,263	SO-15
W6DVS	285,735	SOLP	WD5DJW	2,898	SO-15
N1XL	204,561	SOLP	KN4PLB	27	SO-15
WW4XX (LZ4AX, op)	174,084	SOLP	NQ4K	27	SO-15
K3TW	41,976	SOQRP	W4DD	864	SO-10
AG4ZL	8,232	SOQRP	N4TUT	486	SO-10
KA6PNL	8,178	SOQRP	K4WI	378	SO-10
N5MZX	2,520	SOQRP			
N4TOL	1,083	SOQRP	K2DM	537,768	MSHP
			KJ3T	182,214	MSLP
			WA1F	59,169	MSLP
			K4GIG	6,762	MSLP



W5WZ	1,360,176	M2	KT3RR	31,086	SO-40
K4VQ	277,887	M2	W2AAB	24,960	SO-40
W4AQL	40,608	M2	WB8YYY	22,326	SO-40
W4AAZ	2,523	M2	K3HW	13,350	SO-40
			WA3FAE	12,054	SO-40

#### Northeast Region

##### (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)

VY2ZM	3,563,388	SOHP	W2RE	866,520	SO-20
NR3X (N4YDU, op)	3,071,232	SOHP	W1AVK	80,136	SO-20
VY2TT	2,815,005	SOHP	AI3Q	50,850	SO-20
N1UR	2,596,770	SOHP	W2GFV	12,558	SO-20
K3ZO	1,592,748	SOHP	K2RK	8,514	SO-20
			WB2AMU	8,280	SO-15
N1DD	318,852	SOLP	KX2S	5,880	SO-15
KE3X	292,992	SOLP	W2NPT (W3EH, op)	5,301	SO-15
K3SU	273,321	SOLP	K3ISH	1,200	SO-15
AE1P	267,000	SOLP	VE2NCG	396	SO-15
AB1EP	217,200	SOLP			
			K3ND	1,412,403	MSHP
WX2N	6,660	SOQRP	K2LE	1,410,870	MSHP
K1MTD	4,935	SOQRP	W3MF	1,096,704	MSHP
K2MIJ	3,564	SOQRP	K3MD	1,012,500	MSHP
W7BAK	2,697	SOQRP	W3LL	806,031	MSHP
WA2NYY	192	SOQRP			
			N1SOH	361,440	MSLP
AA1K	2,647,890	SOUHP	NM1C	276,024	MSLP
NC1I (K9PW, op)	2,400,930	SOUHP	VD1TP	237,300	MSLP
K1KI (KM1P, op)	2,397,933	SOUHP	K2AA	40,290	MSLP
K3WW	2,355,723	SOUHP	NJ1F	23,814	MSLP
N3RD	2,274,300	SOUHP			
			N1MM	2,508,768	M2
NN1C	1,397,955	SOULP	K2AX	1,545,372	M2
NY6DX	593,460	SOULP	W2CG	1,541,904	M2
KS1J	500,712	SOULP	KA1ZD	1,331,388	M2
N2SQW	418,902	SOULP	K3MTR	1,165,920	M2
W3KB	401,622	SOULP			
			K3LR	7,332,930	MM
W2MF	10,920	SO-160	W3LPL	6,326,451	MM
			K1TTT	3,478,596	MM
W3BGN	55,278	SO-80	NE3F	1,335,180	MM
W3NO	35,697	SO-80	W1CSM	783,144	MM
KA1IS	26,733	SO-80			
VE9ML	16,686	SO-80			
VE1AOE	9,180	SO-80			

## Affiliated Club Competition

Club	Score	Entries
<b>Unlimited</b>		
Frankford Radio Club	203,256,891	221
Yankee Clipper Contest Club	158,730,147	200
Potomac Valley Radio Club	125,333,460	207
Contest Club Ontario	40,659,135	70
Society of Midwest Contesters	32,984,049	101
Florida Contest Group	30,949,245	78
Arizona Outlaws Contest Club	25,176,708	67
Southern California Contest Club	23,722,218	65
Northern California Contest Club	18,854,454	64
Minnesota Wireless Assn	17,091,219	97
<b>Medium</b>		
North Coast Contesters	21,503,790	17
Central Texas DX and Contest Club	19,301,061	40
Mad River Radio Club	14,020,425	31
Tennessee Contest Group	11,265,297	36
Hudson Valley Contesters and DXers	9,781,866	41
DFW Contest Group	9,759,267	30
Alabama Contest Group	9,166,704	25
Order of Boiled Owls of New York	8,940,084	13
Willamette Valley DX Club	8,421,534	29
Western Washington DX Club	7,912,608	24
Carolina DX Association	7,783,647	27
CTRI Contest Group	6,785,190	12
Niagara Frontier Radiosport	6,481,446	16
Grand Mesa Contesters of Colorado	6,456,495	29
Kentucky Contest Group	5,778,519	21
Northeast Wisconsin DX Assn	5,721,366	9
Big Sky Contesters	5,591,079	12
Mother Lode DX/Contest Club	4,280,343	18
South East Contest Club	4,255,203	25
Bay Area DXers	3,154,776	11
North Texas Contest Club	2,889,171	10
Orca DX and Contest Club	2,460,033	16
Texas DX Society	2,131,746	11
Maritime Contest Club	2,131,734	5
Kansas City Contest Club	2,108,571	6
Northeast Maryland Amateur Radio Contest Society	1,811,289	13

Louisiana Contest Club	1,569,771	5
Rochester (NY) DX Assn	1,388,301	15
Georgia Contest Group	1,382,631	5
Radiosport Manitoba	1,370,157	3
Metro DX Club	1,183,590	11
Great Places Contest Club	775,908	5
Portage County Amateur Radio Service	767,865	4
Port Lavaca Amateur Radio Club	767,283	6
Mississippi Valley DX/Contest Club	564,918	7
South Jersey Radio Assn	528,999	8
Spokane DX Association	528,216	11
Pacific Northwest VHF Society	528,192	3
Skyview Radio Society	498,135	7
Driftless Zone Contesters	472,020	4
Swamp Fox Contest Group	442,386	4
North Carolina DX and Contest Club	423,990	3
New Providence ARC	393,882	8
599 DX Association	356,076	3
West Park Radiops	250,671	8
Great South Bay ARC	167,529	5
Arkansas DX Assn	155,613	3
Silver Comet Amateur Radio Society	83,211	5
Burlington County Radio Club	12,804	3

#### **Local**

Iowa DX and Contest Club	4,833,270	4
Central Virginia Contest Club	4,357,428	10
The Villages Amateur Radio Club	2,671,632	8
Murgas ARC	1,603,776	6
Bristol (TN) ARC	834,723	9
Hilltop Transmitting Assn	606,072	7
Meriden ARC	362,826	3
Silver Springs Radio Club	202,287	4
Redwood Empire DX Assn	195,909	4
Milford (OH) ARC	76,455	3
North Fulton ARL	71,316	4
Sterling Park ARC	12,657	3