



ARRL International DX Phone Contest 2018 Results

By Chris Tate, N6WM. n6wm@largeradio.org

Band conditions were challenging, but continued adoption of remote operating, some great club competitions and a passion for SSB contesting helped beat back challenging band conditions and limited upper band propagation to enable operators from around the world to once again have a fun March weekend run of the ARRL DX Phone contest.

Less than favorable conditions and SSB – a tough combination

The comments on the contest-rumor sites up to this point in 2018 have consistently pointed out we are heading into the solar minimum and this contest appeared to follow suit. Taking on an SSB contest in these conditions is particularly challenging. While many of the masses try new modes such as FT8 to help offset these types of conditions, an international SSB contest does not afford the benefits of weak signal modes, and operators at all levels of play must “power through” and rely on skill and persistence to get a result.

Mother Nature at her finest

Across the United States and indeed around the world, there is often conversation amongst contesters about location and propagation advantages as well as proximity to needed multipliers. But even locations with some of those potential advantages, perceived or otherwise, have other issues to contend with.

A great example of this comes from Ria, N2RJ in New Jersey. “We had bad ice here and my antenna bent. I operated with it like that for the first night and early Saturday. Then the sun came out, ice melted and everything was back to normal!” This did not stop her from an outstanding low-power performance in the contest, but I think it’s fair to say this type of issue is not one of the normal contest challenges in California!

K3ZJ faced similar if not worse challenges in West Virginia, that included some last-minute raising of antennas in 30-degree temperatures



When ice bent Ria, N2RJ’s antenna, the damage wasn’t permanent and didn’t stop a winning effort. (Photo – Ria Jairam, N2RJ)

The continued evolution of remote contesting – or being the DX from your living room!

International DX contests such as the ARRL DX SSB often motivate operators to “be the DX.” For years, contesters who wanted to experience this would go to great lengths to arrange, plan and travel to operate in faraway places (some rather exotic, others quite vacation friendly) to experience the thrill of joining the DX multiplier side of the pile up. But for many contesters this has been out of reach, perhaps due to time, other responsibilities, expense or inability to travel. Technology and the innovative spirit of ham radio are starting to take down some of these barriers as we are seeing contesters begin to take advantage services and remote friendly transceiver platforms to not only remote a more favorable QTH, but indeed remote a DX QTH. As this technology continues to evolve, the options and opportunities presented will be fantastic for the entire contest community!



W2GD at the helm of the winning HH2AA pileup, while enjoying the comfort of his dining room. (Photo – John Crovelli, W2GD)

US & Canada report

On the West Coast, the N6RO superstation was activated as a casual Multioperator, Multitransmitter operation under the guidance of veteran contest operator Bob, K3EST. Bob is a master 20-meter operator and the 700 or so QSOs in the log pretty much drained the band of contacts available out west.

Back east, the K3LR superstation was fully active in this contest, and Tim mentioned in his contest writeup on 3830scores.com they needed every dB of gain from his vast antenna arrays to keep things rolling.

Ria, N2RJ, usually a fan of high-power contesting, managed to enter and win the Single Operator Unlimited Low Power category. All of the winning entries were from the eastern side of W/VE with the exception of a couple of single-band entries.

Top Ten – US & Canada

Single Operator, High Power

XL3A (VE3AT, op)	2,778,468
N1UR	2,773,944
AA1K	2,179,800
W9RE	1,993,431
K4AB	1,614,354
VY2TT (K6LA, op)	1,414,671
NR5M	1,220,670
NA8V	1,091,748
K3ZO	1,071,732
N1PGA	1,070,610

Single Operator, Low Power

N8II	511,428
N4TZ	501,921
W6DVS	332,820
K8PGJ	308,133
N7IR	261,324
VE3VN	245,310

WB8WKQ	240,660
W2TF	238,008
K3SU	192,528
W1JQ	189,036

Single Operator, QRP

WX2N	14,023
WB2DHY	1,390
WB4WXE	1,267

Single Operator Unlimited, High Power

VE3EJ	3,246,165
K3WW	2,428,875
NC1I (K9PW, op)	2,382,744
N3RS	2,019,375
W1NT	1,936,062
K5TR	1,805,760
K1RX	1,701,720
K5ZD	1,589,793
N2MM	1,539,660
N2SR	1,519,392

Single Operator Unlimited, Low Power

N2RJ	912,060
VA3DF	859,020
VE3PJ	560,694
W3KB	535,572
VA2CZ	475,359
N2SQW	374,325
NY3B	310,524
K8LY	291,924
W4ZAO	288,120
N1DID	267,723

Single Operator Unlimited, QRP

W1JCW	67,968
NDØC	58,101
N4IJ	43,218
KC1EDE	42,624
W6QU (W8QZA, op)	29,250
N3CI	14,160
KA8SMA	10,650
K2YG	10,089
K4WY	8,769
KZ3I	7,728

Single Operator, 160 Meters

W2MF	6,396
W8ALP	5,742
VE3PN	2,850
N3ZV	816
WD5BJT	108
K3WGR	108
VA3XO	105
W3TS	105
KD2BGM	36
W8CO	12

Single Operator, 80 Meters

W2FU	34,587
W3LL	33,480
W4QNW	12,936
K2UR	11,040
N6SS	8,316
KØPJ	6,669
N4OO	6,201

NØOK	4,032	W1KBN	4,725
W4NGR	3,840	N8RB	3,588
VE9OA	3,510	N1TN	2,223
Single Operator, 40 Meters			
W7WA	208,206	Multioperator, Two Transmitter	
KØRF	146,043	K1XM	4,273,632
N2PP	132,840	KA1ZD	2,263,500
VE9AA	98,406	N1MM	2,191,356
WX5S (@N6RO)	73,632	W4RM	1,693,305
VE3DZ	70,200	K2AX	1,593,834
AG4W	44,178	W5WZ	1,224,720
KD4RH	24,660	WA3EKL	1,074,807
N8OO	16,815	W2CG	958,914
VE9ML	14,241	N1RR	758,100
Single Operator, 20 Meters			
KU2M	591,696	NX6T	711,504
KVØQ	347,475	Multioperator, Multitransmitter	
WA8RCN	190,557	K3LR	7,258,608
WR2G	183,744	W3LPL	5,710,146
N4OX	123,006	K1TTT	3,882,144
W5FMH (KM4SII, op)	120,360	K1KI	3,133,482
WD5K	93,873	NE3F	1,397,601
W1AVK	75,330	WØAIH	1,341,420
VE3TM	56,940	K3EST	680,433
K7ABV	39,744	W1CSM	472,446
Single Operator, 15 Meters			
KØEJ	71,706	N1SOH	330,186
KM4HI	27,054	WX3B	253,119
AA4NP	13,992		
K9LA	11,286		
WC4H	9,588		
K7XE	5,481		
AA9LC	5,040		
W6RKC	4,770		
WN4AFP	4,698		
K4TRH	4,410		
Single Operator, 10 Meters			
W5PR	6,798		
W4DD	3,294		
K4WI	1,518		
KG9Z	1,326		
W2RR (WA2AOG, op)	1,260		
W7USA	480		
NØJK	429		
WB2AMU	75		
Multioperator, Single Transmitter, High Power			
NV9L	1,669,017		
K3EL	976,536		
K1KP	962,640		
VA2SJ	775,890		
W3MF	726,546		
WN9O	615,600		
K5UA	576,081		
W10O	508,620		
K7ZS	447,468		
NN3W	426,756		
Multioperator, Single Transmitter, Low Power			
W1QK	609,168		
WK1DS	260,043		
N8YXR	182,277		
W3ZGD	132,300		
KM1MM	79,422		
WA1F	78,660		
NA1RA	22,989		

Affiliated Club Competition

The Affiliated Club Competition is a great way for groups of all sizes to get the most fun out of the ARRL DX SSB contest. All three club categories had some tight races at the top.

In the Unlimited category, despite challenges from weather, the battle was on the East Coast as the flagship contest clubs shot it out. The Frankford Radio Club took a solid lead in points and logs for top honors over the Yankee Clipper Contest Club. The Potomac Valley Radio Club was a number of points behind, picking up the third position.

The Medium category had a similar shootout, this time much closer in score with the top two entries coming from Texas. The Dallas-Fort Worth Contest group narrowly defeated the Central Texas DX and Contest Club for the trophy by a very tight margin despite having 10 fewer logs. A great effort and a very tight race for both clubs!

The Local club big score action was also mostly focused on the East Coast. The Central Virginia Contest Club won the race to first place, producing the logs and scores to drop a fine effort by CTRI Contest group to second place.

Affiliated Club Competition

Club	Score	Entries
Unlimited		
Frankford Radio Club	172,592,772	218
Yankee Clipper Contest Club	132,887,993	215
Potomac Valley Radio Club	92,201,523	192
Contest Club Ontario	31,211,409	55
Society of Midwest Contesters	24,283,068	116
Northern California Contest Club	22,549,515	72
Florida Contest Group	22,141,410	64
Minnesota Wireless Assn	21,013,506	97
Arizona Outlaws Contest Club	15,480,914	61
Southern California Contest Club	11,675,511	57
Medium		
DFW Contest Group	16,797,153	25
Central Texas DX and Contest Club	16,766,268	35
North Coast Contesters	14,035,332	16
Mad River Radio Club	12,584,514	29
Alabama Contest Group	9,755,037	33
Tennessee Contest Group	8,917,230	35
Carolina DX Association	7,463,787	28
Kentucky Contest Group	6,924,051	19
Hudson Valley Contesters and DXers	5,693,335	26
Western Washington DX Club	5,661,714	31
Mother Lode DX/Contest Club	3,713,664	26
Willamette Valley DX Club	3,597,507	27
Northeast Wisconsin DX Assn	3,507,750	11
Niagara Frontier Radiosport	3,425,928	17
Maritime Contest Club	3,285,537	15
Big Sky Contesters	2,836,857	10
North Texas Contest Club	2,408,988	9
Rochester (NY) DX Assn	2,268,978	16
Bay Area DXers	2,233,236	7
Kansas City Contest Club	2,070,186	7
Grand Mesa Contesters of Colorado	1,978,680	15
South East Contest Club	1,932,630	19
Northeast Maryland Amateur Radio Contest Society	1,145,451	11
Order of Boiled Owls of New York	1,070,925	8
Georgia Contest Group	905,472	14
Mississippi Valley DX/Contest Club	888,786	7
599 DX Association	872,688	4
Texas DX Society	833,049	18
Metro DX Club	827,634	14
North Carolina DX and Contest Club	803,589	4
Orca DX and Contest Club	581,628	7
Spokane DX Association	494,832	16
Swamp Fox Contest Group	360,516	9
Pacific Northwest VHF Society	283,275	3
Alberta Clippers	278,892	4
Northern Arizona DX Assn	237,015	4
South Jersey Radio Assn	133,548	4
Great South Bay ARC	129,564	3
West Park Radiops	115,962	4
Skyview Radio Society	91,554	5
Portage County Amateur Radio Service	83,874	4
Allegheny Valley Radio Association	80,298	3
South Jersey DX Association	79,101	3
New Providence ARC	46,311	4

Local

Central Virginia Contest Club	2,978,336	9
CTRI Contest Group	2,194,215	6
Bristol (TN) ARC	763,467	8
Delara Contest Team	612,702	4
Meriden ARC	455,505	5
Hilltop Transmitting Assn	320,310	7
Sunday Creek Amateur Radio Federation	285,141	4
Silver Comet Amateur Radio Society	261,873	6
Peace River Radio Assn	126,279	3
Sterling Park ARC	117,171	5
St Louis ARC	95,769	3
Milford (OH) ARC	91,806	4

DX report

In another nod to conditions and participation, all of the DX category winners were located in Central or South America and the Carribean, taking advantage of the propagation access to the North American contest participants. Still, there were competitors from all over the world, with many formidable entries from Europe, Pacific/Oceania and Asia.



LY5W cooling off while admiring a formidable tower! [Sam Zalnerauskas, LY5W, photo]

Reports even from the biggest stations in Europe attributed the challenges of getting six-banders in the log to a generally absent 10-meter band, and an anemic 15-meter band making DX contacts difficult. As a result, the highest band for Europe in the SOSB Top Ten was 20-meters.

Tom, 8P5A, and V26K, with Bud, AA3B, at the helm both turned in stellar performances from the Carribean in the Single Operator, High Power and Single Operator Unlimited, High Power categories, respectively. Both of these operators are masters and know how to get in everyone's logs! The Single Op, High Power category's sole winning score from Europe was made by F5BEG, but the score reflects the reality of the conditions.

As mentioned earlier, John, W2GD, was able to earn top SOLP honors using remote control and the internet to win from Haiti as HH2AA. I am hopeful this technology will offer these opportunities to more contesters in the future!

Out in the Pacific, master phone operator Bill, KH7XS, had some good luck with propagation and even managed to get a fair number of stations in the log on 10-meters from the Big Island of Hawaii.

Top Ten - DX

Single Operator, High Power

8P5A (W2SC, op)	7,626,660
ZF2MJ (N6MJ, op)	6,444,774
KH7XS (K4XS, op)	5,188,314
TO5A (F5VHJ, op)	3,393,495
TMØT (F4HQZ, op)	2,887,110
CR6K (CT1CJJ, op)	2,704,248
OA4SS	1,632,306
EA5DFV	1,032,759
CB8E (CE8EIO, op)	823,608
HK3C	821,043

Single Operator, Low Power

ZF9CW	3,705,885
HC2GRC (HC2AO, op)	1,788,366
TG9ANF	819,000
TI2OY	773,604
NP2X (K9VV, op)	591,015
VP9/W6PH	475,875
KH6CJJ	448,803
YV7MAY	410,856
CO6HZ	387,585
8P1W	386,625

Single Operator Unlimited, High Power

V26K (AA3B, op)	5,220,960
KH7M (NA2U, op)	2,113,464
ZZ2T (PY2MNL, op)	1,919,097
EA6FO	1,217,460
CE2MVF	897,225
UW1M	822,744
EW6W	790,032
EF1W (EA1WS, op)	762,300
XE2T	583,356
GØDWV	567,168

Single Operator Unlimited, Low Power

HH2AA (W2GD, op)	1,472,472
S52NR	466,137
PR5K (PY5FO, op)	175,500
EA7JXZ	159,372
PY1AX	143,736
YV5EMG	138,828
PY2ZR	132,132
EA4TD	102,375
YY2JAB	67,860
PY1AN	57,024

Single Operator Unlimited, QRP

F5BEG	10,332
JQ1NGT	7,878
JR4DAH	7,656
PA2TMS	6,510
UT5EOX	5,760
JH1APZ	5,133
PY2BN	2,142

IZØFUW	1,914
JH1OGC	1,806
PDØPIW	1,584

Single Operator, 160 Meters

NP2J (K8RF, op)	58,653
KV4FZ	19,203
LU8DPM	2,040
HGØR	672
S56P	264
G4AFJ	12
UY2IF	3

Single Operator, 80 Meters

XE2X	195,762
KP4KE	194,706
GM3PPG (G4BYB, op)	122,850
PY2LED	86,130
F1AKK	70,854
SN2M	65,604
I4AVG	63,726
CO2JD	56,682
S54ZZ	52,800
9A8M (9A3XU, op)	48,240

Single Operator, 40 Meters

YV1KK	389,880
S52AW	259,380
SP3GEM	212,025
TM5EE (F6AGM, op)	186,576
SN8B (SP8CUR, op)	154,440
S56X	142,272
US1I (UX2IO, op)	136,971
IZ2KXC	132,006
LU5FC	128,325
EA3QP	82,110

Single Operator, 20 Meters

FY5FY	653,418
PJ2T	595,665
TM6M (F4DXW, op)	594,018
IR4X (IT9RGY, op)	416,691
DK3T (DK3DM, op)	408,822
IR1Y (IK1HJS, op)	382,653
9A9A	381,738
TM4L (F8ARK, op)	381,738
GM5X (GM4YXI, op)	375,333
OM7M	366,840

Single Operator, 15 Meters

FY5KE (F1HAR, op)	441,969
9Y4D	301,962
ZV2C	184,614
YV2CAR	164,883
HK3TK	146,439
LU9VD (LU9VEA, op)	133,551
EA8NF	57,582
PP5JN	57,546
PY2NA	53,802
CO6LC	37,638

Single Operator, 10 Meters

LW7DX	84,780
4M6R (YV6CR, op)	79,443
PP5FB	59,532
XQ3PC	52,761
PU1LMN	6,300
CB3LR (CE3GDR, op)	5,508
PU2WDX	4,752
PU5AEC	4,209

LU9CBL	1,998
PJ2DX (KB7Q, op)	1,632

Multioperator, Single Transmitter, High Power

PJ4G	6,473,280
PJØDX	5,103,468
PZ5K	4,935,237
H72DX	4,491,924
T11T	4,162,734
KH6J	3,431,358
TO3Z	3,084,480
V31VP	2,808,444
M6T	1,735,587
LZ5R	1,262,976

Multioperator, Single Transmitter, Low Power

VP5V	3,295,512
T17/WJ1B	1,022,400
ZW8T	1,015,764
PV8AA	62,640
JE1LFX	37,296
ED3D	19,305
TC4A	15,732
G3YNN	8,214
XE2N	3,450
F4EPP	2,070

Multioperator, Two Transmitter

P4ØL	10,149,762
HI3K	5,239,248
KH6LC	4,222,416
EA2RY	3,132,600
ZV5O	2,692,524
HG7T	1,362,594
IK2YCW	1,248,426
KL7RA	1,146,216
RL3A	696,891
XE2B	458,598

Multioperator, Multitransmitter

C6ANM	3,401,838
LZ9W	1,408,260
JA3YBK	935,256

Category Choice Variety

I always like to remind ARRL DX Phone participants about the many varieties of categories available. In addition to the traditional Single-Op High, Low and QRP power categories, all of these categories are also mirrored with an Unlimited category, offering users of TELNET clusters and spotting assistance the chance to compete for winning honors, as well.

Additionally, the Single Op, Single Band categories offer yet another way to compete, and can accommodate contesters with a limited amount of time or the stamina needed to produce an all-band, full-time effort. Operators who enjoy the camaraderie of working on a local team can pool their resources in the Multioperator, Single Transmitter or Multioperator, Two Transmitter categories, often producing monster scores and great opportunities to

learn from others or share your knowledge with upcoming contesters!

Plaques

Thanks to the generous support of numerous clubs and individuals, we are pleased to list the winners of the sponsored ARRL DX SSB contest plaques at the conclusion of this writeup.

Winning a piece of lumber is a huge accomplishment and the more categories that receive sponsored support, the more it ensures the wide variety of competition categories available are adequately rewarded. To all the clubs and individuals willing to support DX contesting, please consider sponsoring a category, even at the regional level. For more information on plaque sponsorship or to order a duplicate plaque, contact ARRL Contest Branch Manager Bart Jahnke, W9JJ, at 860-594-0232 or w9jj@arrl.org. Plaques cost \$75, which includes all shipping charges.

In summary

Despite various challenging conditions around the world, the ARRL DX Phone contest brought together the best of phone operators from around the world. Persistence and dedication and commitment to fun ruled the show and made for a fun contest. I hope everyone joins us once again for ARRL DX Phone in 2019, where we will have another chance to duel with the propagation “gods.”

Tweak those antennas and polish those final tubes to join in the fun of the next ARRL International DX Phone Contest on March 2 and 3, 2019.

Division Winners

Single Operator, High Power

Atlantic	AA1K	2,179,800
Central	W9RE	1,993,431
Dakota	NEØU	122,670
Delta	K5FUV	346,038
Great Lakes	NA8V	1,091,748
Hudson	W2XL	219,600
Midwest	N7WY	216,972
New England	N1UR	2,773,944
Northwestern	N7ZG	614,481
Pacific	K6XX	550,368
Roanoke	K3ZJ	853,536
Rocky Mountain	NCØB	202,935
Southeastern	K4AB	1,614,354
Southwestern	W6TK	260,592
West Gulf	NR5M	1,220,670
Canada	XL3A (VE3AT, op)	2,778,468

Single Operator, Low Power

Atlantic	W2TF	238,008
Central	N4TZ	501,921
Dakota	ACØW	119,070
Delta	K5XU	64,728
Great Lakes	K8PGJ	308,133
Hudson	K2TV	44,280
Midwest	KC6X	118,008
New England	W1JQ	189,036

Northwestern	AA7UN	134,160	Roanoke	N3ZV	816
Pacific	K7ACZ	97,500	Canada	VE3PN	2,850
Roanoke	N8II	511,428	Single Operator, 80 Meters		
Rocky Mountain	NØEMU	18,042	Atlantic	W2FU	34,587
Southeastern	KF4DX	123,066	Central	K2UR	11,040
Southwestern	N7IR	261,324	Dakota	NØOK	4,032
West Gulf	WB5TUF	76,800	Northwestern	N7AU	2,664
Canada	VE3VN	245,310	Roanoke	W4QNW	12,936
Single Operator, QRP			Southeastern	N4OO	6,201
Hudson	WX2N	14,023	Southwestern	N6SS	8,316
Roanoke	WB2DHY	1,390	Canada	VE9OA	3,510
Southeastern	WB4WXE	1,267	Single Operator, 40 Meters		
Single Operator Unlimited, High Power			Atlantic	N2PP	132,840
Atlantic	K3WW	2,428,875	Central	W9PA	11,076
Central	WO9Z	413,280	Delta	N8OO	16,815
Dakota	KØKX	336,960	Great Lakes	W8LJB	4,224
Delta	W4KW	333,963	Hudson	W2AAB	8,040
Great Lakes	W5MX	1,485,120	Midwest	KØSRL	2,175
Hudson	N2TK	752,658	New England	WA1TE	432
Midwest	N9GB	492,336	Northwestern	W7WA	208,206
New England	NC1I (K9PW, op)	2,382,744	Pacific	WX5S (@N6RO)	73,632
Northwestern	K7RL	1,070,901	Roanoke	KD4RH	24,660
Pacific	K2RD	334,191	Rocky Mountain	KØRF	146,043
Roanoke	K5EK	774,336	Southeastern	AG4W	44,178
Rocky Mountain	WØMU	113,040	Southwestern	KC1BB	10,395
Southeastern	K1KNQ	844,200	West Gulf	N5RMS	5,472
Southwestern	W6YI	505,680	Canada	VE9AA	98,406
West Gulf	K5TR	1,805,760	Single Operator, 20 Meters		
Canada	VE3EJ	3,246,165	Atlantic	WB2KLD	31,008
Single Operator Unlimited, Low Power			Central	W9GYK	5,355
Atlantic	W3KB	535,572	Dakota	KØMDJ	23,541
Central	W9XT	169,830	Delta	K5NMT	4,224
Dakota	NØUR	74,883	Great Lakes	WA8RCN	190,557
Delta	KJ4KKD	49,572	Hudson	KU2M	591,696
Great Lakes	K8LY	291,924	Midwest	KCØVTJ	19,032
Hudson	N2RJ	912,060	New England	W1AVK	75,330
Midwest	AAØAI	231,516	Northwestern	K7ABV	39,744
New England	N1DID	267,723	Pacific	W7FD	3,042
Northwestern	N7FLT	75,600	Roanoke	W2IKN	5,184
Pacific	K2GMY	19,260	Rocky Mountain	KVØQ	347,475
Roanoke	W4ZAO	288,120	Southeastern	N4OX	123,006
Rocky Mountain	AD1C	83,025	Southwestern	WA7BNM	24,660
Southeastern	K3TW	72,762	West Gulf	W5FMH (KM4SII, op)	120,360
Southwestern	K6WSC	60,144	Canada	VE3TM	56,940
West Gulf	N5OT	219,450	Single Operator, 15 Meters		
Canada	VA3DF	859,020	Atlantic	N3RW	3,024
Single Operator Unlimited, QRP			Central	K9LA	11,286
Atlantic	KZ3I	7,728	Delta	KØEJ	71,706
Central	AF9J	216	Great Lakes	K4WLG	108
Dakota	NDØC	58,101	New England	WX1X	840
Delta	WB4GHZ	2,106	Pacific	K7XE	5,481
Great Lakes	KA8SMA	10,650	Roanoke	WN4AFP	4,698
Hudson	K2YG	10,089	Southeastern	KM4HI	27,054
New England	KC1EDE	42,624	Southwestern	N6RM	2,940
Northwestern	KK7VL	72	West Gulf	NZ5M	553
Pacific	WB6CZG	2,592	Canada	VE3IQZ	60
Roanoke	K4WY	8,769	Single Operator, 10 Meters		
Southeastern	AC2N	7,260	Atlantic	W2RR (WA2AOG, op)	1,260
Southwestern	W6QU (W8QZA, op)	29,250	Great Lakes	KG9Z	1,326
West Gulf	W1JCW	67,968	Hudson	WB2AMU	75
Canada	VE6EX	4,860	Midwest	NØJK	429
Single Operator, 160 Meters			Southeastern	W4DD	3,294
Atlantic	W2MF	6,396	Southwestern	W7USA	480
Delta	WD5BJT	108	West Gulf	W5PR	6,798
Great Lakes	W8ALP	5,742			

Multioperator, Single Transmitter, High Power

Atlantic	K3EL	976,536
Central	NV9L	1,669,017
Delta	K5UA	576,081
Midwest	WØGJ	80,898
New England	K1KP	962,640
Northwestern	K7ZS	447,468
Pacific	W6WB	418,068
Roanoke	NN3W	426,756
Southeastern	W4AQL	105,705
Southwestern	W6BHZ	7,524
West Gulf	K5SZ	253,080
Canada	VA2SJ	775,890

Multioperator, Single Transmitter, Low Power

Atlantic	W3ZGD	132,300
Great Lakes	N8YXR	182,277
New England	W1QK	609,168
Rocky Mountain	KC3IZX	27
Southeastern	WK1DS	260,043

Multioperator, Two Transmitter

Atlantic	K2AX	1,593,834
Central	NØIJ	617,715
Dakota	KØMD	624,078
Delta	W5WZ	1,224,720
Great Lakes	W8DGN	86,250
Hudson	W2CG	958,914
Midwest	NØMA	524,880
New England	K1XM	4,273,632
Northwestern	W7RM	253,356
Roanoke	W4RM	1,693,305
Southwestern	NX6T	711,504
Canada	VE7NY	480,594

Multioperator, Multitransmitter

Atlantic	K3LR	7,258,608
Central	WØAIH	1,341,420
Midwest	WØYI	165,984
New England	K1TTT	3,882,144
Pacific	K3EST	680,433

Sponsored Plaque Winners

Plaque Category	Plaque Sponsor	Winner
W/VE Single Operator, High Power CW	Frankford Radio Club	KM7W (KL9A, op)
W/VE Single Operator, Low Power CW	The CW Operators' Club	N8II
W/VE Single Operator, QRP CW	Bill Parker, W8QZA	N7IR
W/VE Single Operator Unlimited, High Power CW	Harold Ritchey, W3WPG Memorial	AA3B
W/VE Single Operator Unlimited, Low Power CW	Chick Allen, NW3Y	W3KB
W/VE Multioperator, Single Transmitter, High Power CW	The CW Operators' Club	W2FU
W/VE Multioperator, Two Transmitter CW	The CW Operators' Club	K1LZ
W/VE Multioperator, Unlimited Transmitter CW	Drew Vonada-Smith, K3PA	W3LPL
W/VE 1.8 MHz CW	Jerry Rosalius, WB9Z	W4ZV
W/VE 3.5 MHz CW	The CW Operators' Club	W3BGN
W/VE 7 MHz CW	Drew Vonada-Smith, K3PA	N2MF
W/VE 14 MHz CW	The CW Operators' Club	KU2M
W/VE 21 MHz CW	Carl Luetzelschwab, K9LA	N2PP
W/VE 28 MHz CW	Richard Hassell-Bennett, KØXG	K4WI
World Single Operator, High Power CW	North Jersey DX Association	TI7W (N4YDU, op)
World Single Operator, Low Power CW	The CW Operators' Club	ZF9CW
World Single Operator, QRP CW	Gerald (Jerry) Griffin, K6MD/DK6MX	NP4Z
World Single Operator Unlimited, High Power CW	The CW Operators' Club	V26M (N3AD, op)
World Single Operator Unlimited, Low Power CW	The CW Operators' Club	P40W (W2GD, op)
World Multioperator, Single Transmitter, High Power CW	John Patterson WCØW/V31TP	ZF1A
World Multioperator, Single Transmitter, Low Power CW	John Patterson WCØW/V31TP	V3T
World Multioperator, Two Transmitters CW	Frankford Radio Club - K2TD Memorial	PJ4A
World Multioperator, Unlimited CW	H Stephen Miller, NØSM	PJ2T
World 3.5 MHz CW	W1FJ, In Memory of W1BIH & N4XR	XE2X
World 7 MHz CW	The CW Operators' Club	FY5KE
World 21 MHz CW	Caribbean Contesting Consortium - PJ2T	TO1A
Atlantic Division Single Operator CW	Chick Allen, NW3Y	AA1K
Central Division Single Operator, High Power CW	Northern Illinois DX Association	W9RE
Central Division Single Operator, Low Power CW	Society of Midwest Contesters	N9CK
Central Division Single Operator Unlimited, High Power CW	Society of Midwest Contesters	K9NW
Central Division Single Operator Unlimited, Low Power CW	Society of Midwest Contesters	W9XT
Central Division Multioperator, Single Transmitter CW	Society of Midwest Contesters	AA9A
Great Lakes Division Single Operator CW	North Coast Contesters	NA8V
Pacific Division Single Operator, Low Power CW	Central California DX Club, Inc. W6MEL	N6ZFO
USA Seventh Call Area Single Operator High Power CW	Willamette Valley DX Club	N9RV
Asia Multioperator, Single Transmitter, High Power CW	Yankee Clipper Contest Club	JH4UYB
Caribbean Single Operator, Low Power CW	Frankford Radio Club - 9Y4VU Memorial	ZF9CW
Europe Single Operator, High Power CW	Jim George, N3BB	CR6K (CT1ILT, op)
Europe Single Operator, Low Power CW	Jeff Hartley, N8II	IK1JJM
Europe Single Operator, QRP CW	The CW Operators' Club	HB9BMY
Europe Single Operator Unlimited, High Power CW	The CW Operators' Club	LX7I (DL5SE, op)

Europe Multioperator, Single Transmitter CW	The CW Operators' Club	CU4DX
Europe Multioperator, Two Transmitter CW	The CW Operators' Club	IR4X
Europe Multioperator, Unlimited CW	Charles Wooten, NF4A	9A1A
Japan Single Operator, Low Power CW	The CW Operators' Club	J11RXQ
North America Multioperator, Single Transmitter CW	The CW Operators' Club	ZF1A
North America Single Operator, High Power CW	Potomac Valley Radio Club	TI7W (N4YDU, op)
North America Single Operator, Low Power CW	Fred Hoffert, NA2U	ZF9CW
North America Single Operator, QRP CW	The CW Operators' Club	V31MA

CW AND PHONE COMBINED

W/VE Single Operator, High Power, Combined Score
CW and Phone

Chick Allen, NW3Y N1UR

PHONE

W/VE Single Operator, High Power Phone	Frankford Radio Club	XL3A (VE3AT, op)
W/VE Single Operator Unlimited, High Power Phone	Pete Carter, K3VW Memorial	VE3EJ
W/VE Multioperator, Unlimited Transmitter Phone	In Memory of Deb Jahnke, K1DAJ	K3LR
W/VE 1.8 MHz Phone	Butch Greve, W9EWC Memorial	W2MF
W/VE 7 MHz Phone	Charles Wooten, NF4A	W7WA
W/VE 21 MHz Phone	Northern Illinois DX Association	KØEJ
USA Single Operator, High Power Phone	Ed Sawyer, N1UR	N1UR
World 14 MHz Phone	Don Wallace, W6AM, Memorial Award	V26K (AA3B, op)
World Single Operator, High Power Phone	North Jersey DX Association	8P5A (W2SC, op)
World Single Operator, Low Power Phone	Arizona Outlaws Contest Club	ZF9CW
World Single Operator, QRP Phone	Bill Parker, W8QZA	R2GM
		ED7W (EA7OT, op)
World Single Operator Unlimited, High Power Phone	Charles Dietz, W5PR	W9RE
Central Division Single Operator, High Power Phone	Society of Midwest Contesters	N4TZ
Central Division Single Operator, Low Power Phone	Society of Midwest Contesters	
Central Division Single Operator Unlimited, High Power Phone	Society of Midwest Contesters	WO9Z
Central Division Single Operator Unlimited, Low Power Phone	Society of Midwest Contesters	W9XT
Fourth Call Area Single Operator Unlimited, High Power Phone		
Great Lakes Division Single Operator Phone	Charles Wooten, NF4A	W6DVS
Southeastern Division Single Operator, Low Power Phone	North Coast Contesters	NA8V
USA Seventh Call Area Single Operator High Power Phone	Charles Wooten, NF4A	KF4DX
Asia Multioperator Single Transmitter, High Power Phone	Willamette Valley DX Club	N7ZG
North America Multioperator Single Transmitter, High Power Phone	Yankee Clipper Contest Club	JH4UYB
	Nick Lash, K9KLR	PJØDX (KB7Q, op)
Oceania Single Operator, High Power Phone	Albert Crespo, F5VHJ - In Memory of Carl Cook, AI6V	KH7XS (K4XS, op)
Oceania 3.5 MHz Phone	Burton M. Parmeter, KG7MD, Memorial Award	KH6QJ

Regional Leaders

Boxes list call sign, score, and class:

M2 = Multioperator, Two Transmitter

MM = Multioperator, Multitransmitter

MSHP = Multioperator, Single Transmitter, High Power

MSLP = Multioperator, Single Transmitter, Low Power

SO-10 = Single Operator, 10 Meters

SO-15 = Single Operator, 15 Meters

SO-160 = Single Operator, 160 Meters

SO-20 = Single Operator, 20 Meters

SO-40 = Single Operator, 40 Meters

SO-80 = Single Operator, 80 Meters

SOHP = Single Operator, High Power

SOLP = Single Operator, Low Power

SOQRP = Single Operator, QRP

SOUHP = Single Operator Unlimited, High Power

SOULP = Single Operator Unlimited, Low Power

SOUQRP = Single Operator Unlimited, QRP

West Coast Region

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

N7ZG	614,481	SOHP
K6XX	550,368	SOHP
W6TK	260,592	SOHP
W6AFA	242,088	SOHP
N6AA	211,050	SOHP
N7IR	261,324	SOLP
N6RV	152,424	SOLP
AA7UN	134,160	SOLP
K7ACZ	97,500	SOLP
K6GHA	72,240	SOLP
K7RL	1,070,901	SOUHP
W6YI	505,680	SOUHP
K2PO	487,200	SOUHP
KA6BIM	483,600	SOUHP
K2RD	334,191	SOUHP
N7FLT	75,600	SOULP
VE6TN	67,392	SOULP
K6WSC	60,144	SOULP
W7ISG	57,558	SOULP
VA7BEC	39,852	SOULP
W6QU (W8QZA, op)	29,250	SOUQRP
VE6EX	4,860	SOUQRP
WB6CZG	2,592	SOUQRP
KK7VL	72	SOUQRP
W6MZ	36	SOUQRP
N6SS	8,316	SO-80
N7AU	2,664	SO-80
W7WA	208,206	SO-40
WX5S (@N6RO)	73,632	SO-40
KC1BB	10,395	SO-40
AI6Z	2,886	SO-40
NR7V	624	SO-40

K7ABV	39,744	SO-20
VE7DZO	38,880	SO-20
W7TX	24,738	SO-20
WA7BNM	24,660	SO-20
N7RQ	19,500	SO-20
K7XE	5,481	SO-15
W6RKC	4,770	SO-15
N6RM	2,940	SO-15
WA7NWL	2,700	SO-15
W7USA	480	SO-10
K7ZS	447,468	MSHP
W6WB	418,068	MSHP
N7QT	156,792	MSHP
W7EB	68,769	MSHP
VYØERC	60,858	MSHP
NX6T	711,504	M2
VE7NY	480,594	M2
W6OCL	443,106	M2
W7RM	253,356	M2
K7JR	86,304	M2
K3EST	680,433	MM

Midwest Region

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

NR5M	1,220,670	SOHP
K5RX	839,550	SOHP
N5AW	836,325	SOHP
K5WA	370,872	SOHP
N7WY	216,972	SOHP
ACØW	119,070	SOLP
KC6X	118,008	SOLP
NGØC	109,062	SOLP
WB5TUF	76,800	SOLP
VE5SF	70,425	SOLP
K5TR	1,805,760	SOUHP
K5LLA	507,276	SOUHP
N9GB	492,336	SOUHP
NT5V	374,415	SOUHP
KØKX	336,960	SOUHP
AAØAI	231,516	SOULP
N5OT	219,450	SOULP
K5LJ	170,100	SOULP
K5KJ	122,067	SOULP
AD1C	83,025	SOULP
W1JCW	67,968	SOUQRP
NDØC	58,101	SOUQRP
N4IJ	43,218	SOUQRP
N3CI	14,160	SOUQRP
W5COV	7,614	SOUQRP
NØOK	4,032	SO-80

KØRF	146,043	SO-40	KD2BGM	36	SO-160
N5RMS	5,472	SO-40	W8CO	12	SO-160
KØSRL	2,175	SO-40			
K7UA	1,296	SO-40	K2UR	11,040	SO-80
KG5RJR	240	SO-40	KØPJ	6,669	SO-80
			VE3DZ	70,200	SO-40
KVØQ	347,475	SO-20	W9PA	11,076	SO-40
W5FMH (KM4SII, op)	120,360	SO-20	W8LJB	4,224	SO-40
WD5K	93,873	SO-20	W9QL	1,638	SO-40
N5KF	36,072	SO-20	N9NBC	810	SO-40
WE6EZ	27,144	SO-20			
			WA8RCN	190,557	SO-20
NZ5M	553	SO-15	VE3TM	56,940	SO-20
			W8GOC	11,070	SO-20
W5PR	6,798	SO-10	W4LID	6,882	SO-20
NØJK	429	SO-10	W9GYK	5,355	SO-20
KS5Z	253,080	MSHP	K9LA	11,286	SO-15
WØGJ	80,898	MSHP	AA9LC	5,040	SO-15
KSØKS	11,025	MSHP	K4WLG	108	SO-15
			VE3IQZ	60	SO-15
KC3IZX	27	MSLP			
			KG9Z	1,326	SO-10
KØMD	624,078	M2			
NØMA	524,880	M2	NV9L	1,669,017	MSHP
WØECC	72,912	M2	WN9O	615,600	MSHP
			W9BGX	13,416	MSHP
WØYI	165,984	MM			
			N8YXR	182,277	MSLP
Central Region			N8RB	3,588	MSLP
(Central and Great Lakes Divisions; Ontario East, Ontario North,			W4CDA	612	MSLP
Ontario South, and Greater Toronto Area Sections)			WA8Q	396	MSLP
XL3A (VE3AT, op)	2,778,468	SOHP			
W9RE	1,993,431	SOHP	NØIJ	617,715	M2
NA8V	1,091,748	SOHP	KK9V	144,648	M2
K9BGL	910,041	SOHP	W8DGN	86,250	M2
K8GL	405,300	SOHP	W8AJT	61,440	M2
			K9IU	20,022	M2
N4TZ	501,921	SOLP			
K8PGJ	308,133	SOLP	WØAIH	1,341,420	MM
VE3VN	245,310	SOLP			
WB8WKQ	240,660	SOLP			
WD9CIR	92,493	SOLP			
VE3EJ	3,246,165	SOUHP			
W5MX	1,485,120	SOUHP			
VE3CX	1,292,700	SOUHP			
VE3UTT	753,186	SOUHP			
WA3C	675,450	SOUHP			
VA3DF	859,020	SOULP			
VE3PJ	560,694	SOULP			
K8LY	291,924	SOULP			
W9XT	169,830	SOULP			
N8VV	166,239	SOULP			
KA8SMA	10,650	SOUQRP			
AF9J	216	SOUQRP			
W8ALP	5,742	SO-160			
VE3PN	2,850	SO-160			
VA3XO	105	SO-160			

Southeast Region

(Delta, Roanoke and Southeastern Divisions)

K4AB	1,614,354	SOHP
K4PV	940,623	SOHP
K3ZJ	853,536	SOHP
K4BAI	358,317	SOHP
K5FUV	346,038	SOHP
N8II	511,428	SOLP
W6DVS	332,820	SOLP
WB4JFS	125,670	SOLP
KF4DX	123,066	SOLP
KK4RV	114,114	SOLP
WB2DHY	1,390	SOQRP
WB4WXE	1,267	SOQRP
K1KNQ	844,200	SOUHP
WX4G	802,431	SOUHP
K5EK	774,336	SOUHP
K8AJA	738,738	SOUHP
W7DO	528,525	SOUHP
W4ZAO	288,120	SOULP
W4PM	175,824	SOULP
K3TW	72,762	SOULP
K4ELI	66,933	SOULP
K4QE	63,246	SOULP
K4WY	8,769	SOUQRP
AC2N	7,260	SOUQRP
N4ZAK	5,967	SOUQRP
WB4GHZ	2,106	SOUQRP
KØRET	449	SOUQRP
N3ZV	816	SO-160
WD5BJT	108	SO-160
W4QNW	12,936	SO-80
N4OO	6,201	SO-80
W4NGR	3,840	SO-80
AG4W	44,178	SO-40
KD4RH	24,660	SO-40
N8OO	16,815	SO-40
N4EEV	4,320	SO-40
KM4QE	144	SO-40
N4OX	123,006	SO-20
KJ4QHL	25,800	SO-20
KK4RT	11,088	SO-20
KX4HL	7,488	SO-20
W2IKN	5,184	SO-20
KØEJ	71,706	SO-15
KM4HI	27,054	SO-15
AA4NP	13,992	SO-15
WC4H	9,588	SO-15
WN4AFP	4,698	SO-15
W4DD	3,294	SO-10
K4WI	1,518	SO-10

K5UA

NN3W	426,756	MSHP
K4AKK	335,328	MSHP
W4AQL	105,705	MSHP
WK1DS	260,043	MSLP
KM1MM	79,422	MSLP
WA1F	78,660	MSLP
W4RM	1,693,305	M2
W5WZ	1,224,720	M2

Northeast Region

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

N1UR	2,773,944	SOHP
AA1K	2,179,800	SOHP
VY2TT (K6LA, op)	1,414,671	SOHP
K3ZO	1,071,732	SOHP
N1PGA	1,070,610	SOHP
W2TF	238,008	SOLP
K3SU	192,528	SOLP
W1JQ	189,036	SOLP
NS3T	149,292	SOLP
N2EM	107,136	SOLP
WX2N	14,023	SOQRP
K3WW	2,428,875	SOUHP
NC1I (K9PW, op)	2,382,744	SOUHP
N3RS	2,019,375	SOUHP
W1NT	1,936,062	SOUHP
K1RX	1,701,720	SOUHP
N2RJ	912,060	SOULP
W3KB	535,572	SOULP
VA2CZ	475,359	SOULP
N2SQW	374,325	SOULP
NY3B	310,524	SOULP
KC1EDE	42,624	SOUQRP
K2YG	10,089	SOUQRP
KZ3I	7,728	SOUQRP
KQ2RP	816	SOUQRP
N3UR	72	SOUQRP
W2MF	6,396	SO-160
K3WGR	108	SO-160
W3TS	105	SO-160
W2FU	34,587	SO-80
W3LL	33,480	SO-80
VE9OA	3,510	SO-80
N2PP	132,840	SO-40
VE9AA	98,406	SO-40
VE9ML	14,241	SO-40
W2AAB	8,040	SO-40
WA1TE	432	SO-40
KU2M	591,696	SO-20
WR2G	183,744	SO-20

W1AVK	75,330	SO-20
WB2KLD	31,008	SO-20
W2XK	24,300	SO-20
N3RW	3,024	SO-15
WX1X	840	SO-15
N2HX	75	SO-15
N6EE	48	SO-15
VE2NCG	3	SO-15
W2RR (WA2AOG, op)	1,260	SO-10
WB2AMU	75	SO-10
K3EL	976,536	MSHP
K1KP	962,640	MSHP
VA2SJ	775,890	MSHP
W3MF	726,546	MSHP
W1OO	508,620	MSHP
W1QK	609,168	MSLP
W3ZGD	132,300	MSLP
NA1RA	22,989	MSLP
W1KBN	4,725	MSLP
N1TN	2,223	MSLP
K1XM	4,273,632	M2
KA1ZD	2,263,500	M2
N1MM	2,191,356	M2
K2AX	1,593,834	M2
WA3EKL	1,074,807	M2
K3LR	7,258,608	MM
W3LPL	5,710,146	MM
K1TTT	3,882,144	MM
K1KI	3,133,482	MM
NE3F	1,397,601	MM