

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 condtions, 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 contester 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 <u>3830scores.com</u> 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) N1UR AA1K W9RE K4AB VY2TT (K6LA, op) NR5M NA8V K3ZO N1PGA	2,778,468 2,773,944 2,179,800 1,993,431 1,614,354 1,414,671 1,220,670 1,091,748 1,071,732 1,070,610	Single Operator, 160 Meters W2MF W8ALP VE3PN N3ZV WD5BJT K3WGR VA3XO W3TS KD2BGM W8CO	6,396 5,742 2,850 816 108 105 105 36
Single Operator, Low Power N8II N4TZ W6DVS K8PGJ N7IR VE3VN	511,428 501,921 332,820 308,133 261,324 245,310	Single Operator, 80 Meters W2FU W3LL W4QNW K2UR N6SS KØPJ N4OO	34,587 33,480 12,936 11,040 8,316 6,669 6,201

WB8WKQ

Single Operator, QRP

Single Operator Unlimited, High Power

Single Operator Unlimited, Low Power

Single Operator Unlimited, QRP

W2TF

K3SU W1JQ

WX2N

VE3EJ

K3WW

N3RS

W1NT

K5TR

K1RX

K5ZD

N2SR

VA3DF

VE3PJ

W3KB

VA2CZ

NY3B

K8LY

N2SQW

W4ZAO

N1DID

W1JCW

KC1EDE

KA8SMA

W6QU (W8QZA, op)

NDØC

N4IJ

N3CI

K2YG

K4WY

KZ3I

N2MM

NC1I (K9PW, op)

WB2DHY

WB4WXE

240,660

238,008

192,528

189,036

14.023

1,390

1,267

3,246,165

2,428,875

2,382,744

2,019,375

1,936,062

1,805,760

1,701,720

1,589,793

1,539,660

1,519,392

912,060

859,020

560,694

535,572

475,359

374,325

310,524

291,924

288,120

267,723

67,968

58,101

43,218

42,624

29,250

14,160

10,650

10,089

8,769

7,728

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
N800	16,815	W2CG 958,914
VE9ML	14,241	N1RR 758,100
Single Operator, 20 Meters	11,211	NX6T 711,504
KU2M	591,696	711,301
KVØQ	347,475	Multioperator, Multitransmitter
WASRCN	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	
W1AVK	75,330	NE3F 1,397,601 WØAIH 1,341,420
		K3EST 1,541,420 680,433
VE3TM	56,940	,
K7ABV Single Operator 15 Meters	39,744	W1CSM 472,446 N1SOH 330,186
Single Operator, 15 Meters KØEJ	71,706	,
•		WX3B 253,119
KM4HI	27,054	Affiliated Club Compatition
AA4NP	13,992	Affiliated Club Competition
K9LA	11,286	
WC4H	9,588	The Afilliated Club Competition is a great way for groups
K7XE	5,481	of all sizes to get the most fun out of the ARRL DX SSB
AA9LC	5,040	contest. All three club categories had some tight races at
W6RKC	4,770	the top.
WN4AFP	4,698	the top.
K4TRH	4,410	In the II-limited extreme density dealth on the form
Single Operator, 10 Meters	6.700	In the Unlimited category, despite challenges from
W5PR	6,798	weather, the battle was on the East Coast as the flagship
W4DD	3,294	contest clubs shot it out. The Frankford Radio Club took a
K4WI	1,518	solid lead in points and logs for top honors over the
KG9Z	1,326	Yankee Clipper Contest Club. The Potomac Valley Radio
W2RR (WA2AOG, op)	1,260	Club was a number of points behind, picking up the third
W7USA	480	
NØJK	429	position.
WB2AMU	75	
		The Medium catetory had a similar shootout, this time
Multioperator, Single Transmitter, High Power		much closer in score with the top two entries coming from
NV9L	1,669,017	Texas. The Dallas-Fort Worth Contest group narrowly
K3EL	976,536	defeated the Central Texas DX and Contest Club for the
K1KP	962,640	
VA2SJ	775,890	trophy by a very tight margin despite having 10 fewer
W3MF	726,546	logs. A great effort and a very tight race for both clubs!
WN9O	615,600	
K5UA	576,081	The Local club big score action was also mostly focused
W100	508,620	on the East Coast. The Central Virginia Contest Club won
K7ZS	447,468	the race to first place, producing the logs and scores to
NN3W	426,756	drop a fine effort by CTRI Contest group to second place.
Multionarator Single Transmitter Low Power		arop a rine errore by CTRI Contest group to second place.

drop a fine effort by CTRI Contest group to second place.

Multioperator, Single Transmitter, Low Power

W1QK

WK1DS N8YXR

W3ZGD

WA1F

NA1RA

KM1MM

609,168

260,043

182,277

132,300

79,422

78,660 22,989

Affiliated Club Competition

Affiliated Club Competi	tion	
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, he 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, K	H7XS,
had some good luck with propagation and even m	anaged
to get a fair number of stations in the log on 10-	-meters
from the Big Island of Hawaii.	

Top	Ten	- DX
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8		Single Operator, 160 Meters	
Ton Ton DV		NP2J (K8RF, op)	58,653
Top Ten - DX		KV4FZ	19,203
		LU8DPM	2,040
Single Operator, High Power		HGØR	672
8P5A (W2SC, op)	7,626,660	S56P	264
ZF2MJ (N6MJ, op)	6,444,774	G4AFJ	12
KH7XS (K4XS, op)	5,188,314	UY2IF	3
TO5A (F5VHJ, op)	3,393,495	Single Operator, 80 Meters	
TMØT (F4HQZ, op)	2,887,110	XE2X	195,762
CR6K (CT1CJJ, op)	2,704,248	KP4KE	194,706
OA4SS	1,632,306	GM3PPG (G4BYB, op)	122,850
EA5DFV	1,032,759	PY2LED	86,130
CB8E (CE8EIO, op)	823,608	F1AKK	70,854
HK3C	821,043	SN2M	65,604
TROC	021,043	I4AVG	63,726
Single Operator, Low Power		CO2JD	56,682
ZF9CW	3,705,885	S54ZZ	52,800
		9A8M (9A3XU, op)	48,240
HC2GRC (HC2AO, op)	1,788,366		40,240
TG9ANF	819,000	Single Operator, 40 Meters	200.000
TI2OY	773,604	YV1KK	389,880
NP2X (K9VV, op)	591,015	S52AW	259,380
VP9/W6PH	475,875	SP3GEM	212,025
KH6CJJ	448,803	TM5EE (F6AGM, op)	186,576
YV7MAY	410,856	SN8B (SP8CUR, op)	154,440
CO6HZ	387,585	S56X	142,272
8P1W	386,625	US1I (UX2IO, op)	136,971
		IZ2KXC	132,006
Single Operator Unlimited, High Power		LU5FC	128,325
V26K (AA3B, op)	5,220,960	EA3QP	82,110
KH7M (NA2U, op)	2,113,464	Single Operator, 20 Meters	
ZZ2T (PY2MNL, op)	1,919,097	FY5FY	653,418
EA6FO	1,217,460	PJ2T	595,665
CE2MVF	897,225	TM6M (F4DXW, op)	594,018
UW1M	822,744	IR4X (IT9RGY, op)	416,691
EW6W	790,032	DK3T (DK3DM, op)	408,822
EF1W (EA1WS, op)	762,300	IR1Y (IK1HJS, op)	382,653
XE2T	583,356	9A9A	381,738
GØDWV	567,168	TM4L (F8ARK, op)	381,738
•	,	GM5X (GM4YXI, op)	375,333
Single Operator Unlimited, Low Power		OM7M	366,840
HH2AA (W2GD, op)	1,472,472	Single Operator, 15 Meters	,
S52NR	466,137	FY5KE (F1HAR, op)	441,969
PR5K (PY5FO, op)	175,500	9Y4D	301,962
EA7JXZ	159,372	ZV2C	184,614
PY1AX	143,736	YV2CAR	164,883
YV5EMG		НКЗТК	146,439
	138,828	LU9VD (LU9VEA, op)	133,551
PY2ZR	132,132	EA8NF	
EA4TD	102,375		57,582
YY2JAB	67,860	PP5JN DV2NA	57,546
PY1AN	57,024	PY2NA	53,802
		CO6LC	37,638
Single Operator Unlimited, QRP		Single Operator, 10 Meters	0. - 0-
F5BEG	10,332	LW7DX	84,780
JQ1NGT	7,878	4M6R (YV6CR, op)	79,443
JR4DAH	7,656	PP5FB	59,532
PA2TMS	6,510	XQ3PC	52,761
UT5EOX	5,760	PU1LMN	6,300
JH1APZ	5,133	CB3LR (CE3GDR, op)	5,508
PY2BN	2,142	PU2WDX	4,752
		PU5AEC	4,209

IZØFUW

JH10GC

PDØPIW

Single Operator, 160 Meters

1,914

1,806

1,584

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
TI1T	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
TI7/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	

Category Choice Variety

C6ANM

JA3YBK

LZ9W

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 broght 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

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

W1JQ

New England

3,401,838

1,408,260

935,256

189,036

Roamble NSI	Northwestern	AA7UN	134,160	Roanoke	N3ZV	816
Reane Name			•			
Rocky Mountain NØEMU 18,042 Attaintic WZPU 11,040 Southwestern N7IR 261,324 Dakota MØOK 4,032 West Guil WESTUF 76,800 Northwestern N7ZU 2,664 Canada VESAN 245,310 Roanoke WAQNW 12,936 Single Operator, QIPP Hudson WEZDIYI 1,390 Canada WESDIYI 1,301 Southeastern WBAWXE 1,267 Single Operator, 40 Meeters NESS 8,316 Southeastern WBAWXE 1,267 Single Operator, 40 Meeters NESDA 1,510 Central WCOZ 413,280 Central WOPA 11,528 Central WCOZ 413,280 Central WSDB 16,815 Central WCOZ 413,280 Central WSDB 4,224 Central WCOZ 40,812 MACH 4,600 Central WCOZ 40,812 MACH 4,600 Mildwest <td< td=""><td></td><td></td><td></td><td></td><td></td><td>_,000</td></td<>						_,000
Southwestern K74DX 123,666 Central KQDK 4,032 West Gulf WESTUF 76,800 Northwestern N7AU 2,684 Canada VESVN 245,310 Roanole WAQNW 12,936 Single Operator, QRP 14,023 Southwestern NAGO 6,201 Hudson WEZDHY 1,300 Canada VEDOA 3,510 Southeastern WEZDHY 1,200 Canada VEDOA 3,510 Southeastern WEZDHY 1,300 Cantral WEDOA 3,510 Southeastern WEXW 2,428,875 Central 400 11,070 Central WOSZ 413,280 Dela N8DO 11,070 Central WOSZ 413,280 Dela N8DO 12,107 Central WEXW 333,693 Hudson WEAL 4,224 Delta WEXW 433,893 Hudson WEAL 4,224 Delta WEXW 4,352 NA<			,		W2FU	34.587
Southwestern N7IR	•					
West Gulf WBSTUF 76,800 Northwestern N7AU 2,684 Canada VESUN 245,310 Roanolee WQQIW 12,684 Single Operator, QRP USD Modestern N6SS 8,316 Roanoke WEZDHY 1,909 Canada VESUA 3,310 Southeastern WEWE 1,267 Single Operator, 40 Meters Meters All attric MEZD VESUA 3,310 Central WOSZ 413,280 Delta NBOO 15,384 Central WOSZ 413,280 Delta NBOO 15,284 Deita W4KW 333,953 Hudson W2AAB 80,00 Creat Lakes WSMA 1,485,120 Midwest KGPN 2,175 Hudson NZTK 75,255 New England WATTE 42,224 Midwest NSG 842,336 Northwestern WATTE 46,00 New Figland NCTI (KPPW, op) 2,392,741 Pacific W3X5 (RNRO) 73,225 <			•			•
Sangle Operator, QRP						
Single Operator, QRP VM22N 14,023 Southwestern NRSS 8,316 Roanoke W82DHY 14,939 Canada VEOOA 3,510 Southeastern W84MXE 1,267 Single Operator, 40 Meters VEOOA 3,510 Southeastern W84MXE 1,267 Single Operator, 40 Meters W9PA 132,840 Attantic W80 1,218 W9PA 132,840 Attantic W80 1,218 W80 16,815 Daktota W8KW 333,963 Hudson W2AAB 4,90 Great Lakes W8MX 1,485,120 Midwest K968 2,175 Hudson N2TK 75,658 Northwestern W7M 28,040 Midwest N9GB 492,336 Northwestern W7M 28,020 Northwestern K100 1,070,901 Roanoke K56 K 74,362 Korby Mountain W9MU 11,3040 Southwestern K10 (46,943 Southwestern W871 1						
Hudson			,		•	
Roanoke		WX2N	14.023			
Southeastern WSHWXE 1,267 Single Operator, 40 Meters Altantic N2PP 132,840 Atlantic K3WW 2,148,875 Central W9PA 11,076 Central K90VS 213,836 Deta N80O 16,815 Dakota KØKX 333,656 Great Lakes WSLB 4,224 Detta MSMX 1,855,120 Midwest K95RL 2,175 Hutson NSC 192,236 Northwestern WJNA 2,082,06 New England NCH (K9PW, op) 2,382,744 Pecific WXS5 (89080) 36,362 New England NCH (K9PW, op) 334,191 Rock Mountain KØRF 146,603 Pacific K2RD 334,191 Rock Mountain KØRF 146,603 Rocky Mountain WWM 113,340 Southwestern KC1BR 103,355 Southwestern KVFI 1,805,760 Sange Operator, 20 Meters KC1BR 10,355 Vest Guif KSTR 1,805,760 Sange Operator,				Canada		
Maintic May Maintic Maintic						-,-
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Delta	Central	WO9Z	413,280	Delta	N800	16,815
Great Lakes WSMX 1,485,120 Midwest KØSRL 2,175 Midwest N9GB 492,335 Northwestern W7WA 208,206 New England NC11 (K9PW, op) 2,382,744 Pacific WXSS (@NRO) 73,632 Northwestern K7RL 1,070,901 Roanoke K0ARH 24,660 Pacific K2RD 334,191 Rocky Mountain KØRF 146,043 Roanoke KSEK 774,336 Southeastern KC1BB 10,395 Southeastern K1NQ 844,200 West Guif NSRMS 5,472 Vest Guif KSTR 1,805,760 Single Operator, 20 Meters VE9AA 98,406 Canada VE3L 3,246,165 Atlantic WBZKLD 1,008 Canada VE3L 3,246,165 Atlantic WBZKLD 13,008 Central WSXT 159,835 Delta KØMDJ 23,941 Central WSXT 159,835 Delta KØMDJ 23,941 <	Dakota	кøкх	336,960	Great Lakes	W8LJB	4,224
Hudson N2TK 752,658 New England WATTE 432,052 Watter N9GB 492,335 Northwestern W7WA 208,266 New England NC1 (K9PW, op) 2,382,744 Pacific WXSS (@N6RO) 73,632 WATTER WXSS (@N6RO) WXS	Delta	W4KW	333,963	Hudson	W2AAB	8,040
Midwest N96B	Great Lakes	W5MX	1,485,120	Midwest	KØSRL	2,175
Net Rigland NC11 (K9PW, op) 2,382,744 Pacific WC55 (@N6RO) 73,632 Northwestern K7RL 1,070,901 Roanoke K0ARH 24,660 Pacific K2RD 334,191 Rocky Mountain KØRF 146,043 Roanoke KSEK 774,336 Southeastern AG4W 44,178 Rocky Mountain WØMU 113,040 Southwestern K1KNQ 844,200 West Gulf NSRN/S 5,472 Southwestern W6VI 50,680 Canada VE9AA 98,406 West Gulf WSEV, MSRN/S 5,472 Southwestern W6VI 50,680 Canada VE9AA 98,406 West Gulf WSEV, MSRN/S 5,472 Southwestern W6VI S0,5680 Canada WSEV, MSRN/S 5,472 Southwestern W6VI S0,5680 Canada WSEV, MSRN/S 535,572 Dakota KØMDJ 23,541 Central W9CV, MSRN/S 31,008 Single Operator, 20 Meters W3CV, MSRN/S 31,008 Single Operator, 20 Meters W3CV, MSRN/S 31,008 S0,000 WSEV, MSRN/S 31,008 S0,000 WSEV, MSRN/S 31,008 WSEV, MSRN/S	Hudson	N2TK	752,658	New England	WA1TE	432
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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 W2RR (WA2AOG, op) 1,260 Southeastern W6QU (W8QZA, op) 29,250 Great Lakes KG9Z 1,326 West Gulf WJLCW 67,968 Hudson WB2AMU 75			033,020			•
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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 VE3IQZ 60 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 Me						
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 VE3IQZ 60 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 <						
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 W2RR (WA2AOG, op) 1,260 Southwestern M6QU (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				_		
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 V2RR (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	KA8SMA		Roanoke	WN4AFP	•
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 VE3IQZ 60 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	Hudson	K2YG		Southeastern	KM4HI	
Pacific WB6CZG 2,592 Canada VE3IQZ 60 Roanoke K4WY 8,769 Single Operator, 10 Meters VERR (WA2AOG, op) 1,260 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	New England	KC1EDE		Southwestern	N6RM	
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	Northwestern	KK7VL	72	West Gulf	NZ5M	553
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	Pacific	WB6CZG	2,592	Canada	VE3IQZ	60
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	Roanoke	K4WY	8,769	Single Operator, 10 Meters		
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	Southeastern	AC2N	7,260	Atlantic	W2RR (WA2AOG, op)	1,260
CanadaVE6EX4,860MidwestNØJK429Single Operator, 160 MetersSoutheasternW4DD3,294AtlanticW2MF6,396SouthwesternW7USA480DeltaWD5BJT108West GulfW5PR6,798	Southwestern	W6QU (W8QZA, op)		Great Lakes	KG9Z	1,326
Single Operator, 160 MetersSoutheasternW4DD3,294AtlanticW2MF6,396SouthwesternW7USA480DeltaWD5BJT108West GulfW5PR6,798	West Gulf	W1JCW	67,968	Hudson		
AtlanticW2MF6,396SouthwesternW7USA480DeltaWD5BJT108West GulfW5PR6,798	Canada	VE6EX	4,860	Midwest		429
Delta WD5BJT 108 West Gulf W5PR 6,798	• •					•
Great Lakes W8ALP 5,742				West Gulf	W5PR	6,798
	Great Lakes	W8ALP	5,742			

Multioperator, Single Tran	. •	0=0=0
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	KS5Z	253,080
Canada	VA2SJ	775,890
Multioperator, Single Tran	smitter, 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 Transr	nitter	
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, Multitransr	mitter	
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	JI1RXQ
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

PHONE

FIIONL		
W/VE Single Operator, High Power Phone	Frankford Radio Club	XL3A (VE3AT, op)
W/VE Single Operator Unlimited, High Power Phon	e 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,
World Single Operator Unlimited, High Power Phor	ne Charles Dietz, W5PR	op)
Central Division Single Operator, High Power Phone	e Society of Midwest Contesters	W9RE
Central Division Single Operator, Low Power Phone Central Division Single Operator Unlimited, High Po	•	N4TZ
Phone Central Division Single Operator Unlimited, Low Po	Society of Midwest Contesters wer	WO9Z
Phone Fourth Call Area Single Operator Unlimited, High Po	Society of Midwest Contesters ower	W9XT
Phone	Charles Wooten, NF4A	W6DVS
Great Lakes Division Single Operator Phone	North Coast Contesters	NA8V
Southeastern Division Single Operator, Low Power	Phone Charles Wooten, NF4A	KF4DX
USA Seventh Call Area Single Operator High Power	Phone Willamette Valley DX Club	N7ZG
Asia Multioperator Single Transmitter, High Power North America Multioperator Single Transmitter, H	···	JH4UYB
Power Phone	Nick Lash, K9KLR Albert Crespo, F5VHJ - In Memory of Carl Cook,	PJØDX (KB7Q, op)
Oceania Single Operator, High Power Phone	Al6V	KH7XS (K4XS, op)
Oceania 3.5 MHz Phone	Burton M. Parmeter, KG7MD, Memorial Award	KH6QJ

N1UR

Regional Leaders	\$		K7ABV	39,744	SO-20
regional Ecaaci.	,		VE7DZO	38,880	SO-20
			W7TX	24,738	SO-20
Boxes list call sign, score, and	class:		WA7BNM	24,660	SO-20
M2 = Multioperator, Two Transmitter			N7RQ	19,500	SO-20
MM = Multioperator, Multitra			· · · · · · · ·	13,300	30 20
•		ower	W7WE	F 404	60.45
MSHP = Multioperator, Single Transmitter, High Power MSLP = Multioperator, Single Transmitter, Low Power			K7XE	5,481	SO-15
-		wei	W6RKC	4,770	SO-15
SO-10 = Single Operator, 10 N			N6RM	2,940	SO-15
SO-15 = Single Operator, 15 N			WA7NWL	2,700	SO-15
SO-160 = Single Operator, 160	O Meters				
SO-20 = Single Operator, 20 N	∕leters		W7USA	480	SO-10
SO-40 = Single Operator, 40 N	∕leters			.55	33 13
SO-80 = Single Operator, 80 N			K7ZS	447,468	MSHP
SOHP = Single Operator, High				· ·	
			W6WB	418,068	MSHP
SOLP = Single Operator, Low I			N7QT	156,792	MSHP
SOQRP = Single Operator, QR			W7EB	68,769	MSHP
SOUHP = Single Operator Unl	_		VYØERC	60,858	MSHP
SOULP = Single Operator Unli	mited, Low Power				
SOUQRP = Single Operator Ur	nlimited, QRP		NX6T	711,504	M2
West Coast Region			VE7NY	480,594	M2
(Pacific, Northwestern and	Southwestern Divis	ions: Alberta	W6OCL	443,106	M2
	bia and NT Sections)			•	
			W7RM	253,356	M2
N7ZG	614,481	SOHP	K7JR	86,304	M2
K6XX	550,368	SOHP			
W6TK	260,592	SOHP	K3EST	680,433	MM
W6AFA	242,088	SOHP			
N6AA	211,050	SOHP	Midwest Region		
	,		_	Booky Mountain and West C	ulf Divisions
N7IR	261,324	SOLP		t, Rocky Mountain and West G	
N6RV	152,424	SOLP		bba and Saskatchewan Section	•
			NR5M	1,220,670	SOHP
AA7UN	134,160	SOLP	K5RX	839,550	SOHP
K7ACZ	97,500	SOLP	N5AW	836,325	SOHP
K6GHA	72,240	SOLP	K5WA	370,872	SOHP
			N7WY	216,972	SOHP
K7RL	1,070,901	SOUHP		•	
W6YI	505,680	SOUHP	ACØW	119,070	SOLP
K2PO	487,200	SOUHP		· ·	
KA6BIM	483,600	SOUHP	KC6X	118,008	SOLP
K2RD		SOUHP	NGØC	109,062	SOLP
KZKD	334,191	3000	WB5TUF	76,800	SOLP
			VE5SF	70,425	SOLP
N7FLT	75,600	SOULP			
VE6TN	67,392	SOULP	K5TR	1,805,760	SOUHP
K6WSC	60,144	SOULP	K5LLA	507,276	SOUHP
W7ISG	57,558	SOULP	N9GB	492,336	SOUHP
VA7BEC	39,852	SOULP	NT5V	374,415	SOUHP
	,			· ·	
W6QU (W8QZA, op)	29,250	SOUQRP	кøкх	336,960	SOUHP
VE6EX			,		
	4,860	SOUQRP	AAØAI	231,516	SOULP
WB6CZG	2,592	SOUQRP	N5OT	219,450	SOULP
KK7VL	72	SOUQRP	K5LJ	170,100	SOULP
W6MZ	36	SOUQRP	K5KJ	122,067	SOULP
			AD1C	83,025	SOULP
N6SS	8,316	SO-80		33,323	3001
N7AU	2,664	SO-80	\A/1 IC\A/	67.069	COLIODD
1177.10	2,001	30 00	W1JCW	67,968	SOUQRP
14/714/4	200 200	CO 40	NDØC	58,101	SOUQRP
W7WA	208,206	SO-40	N4IJ	43,218	SOUQRP
WX5S (@N6RO)	73,632	SO-40	N3CI	14,160	SOUQRP
KC1BB	10,395	SO-40	W5COV	7,614	SOUQRP
AI6Z	2,886	SO-40		-	
NR7V	624	SO-40	NØOK	4,032	SO-80
			,.	1,032	23 00

KØRF	146,043	SO-40	KD2BGM	36	SO-160
N5RMS	5,472	SO-40	W8CO	12	SO-160
KØSRL	2,175	SO-40	Woco	12	30 100
			Kalib	44.040	60.00
K7UA	1,296	SO-40	K2UR	11,040	SO-80
KG5RJR	240	SO-40	KØPJ	6,669	SO-80
			VE3DZ	70,200	SO-40
ĸvøq	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
			NAME	810	30-40
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
				3,555	
KS5Z	353.090	MSHP	K9LA	11 206	SO-15
	253,080			11,286	
MQCI	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
кøмD	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
_	s Divisions; Ontario East,	Ontario North	W4CDA	612	MSLP
	5 Divisions, Ontano Last,				
Ontario South an	d Greater Toronto Area	Coctions)	W/A80	396	
	d Greater Toronto Area S		WA8Q	396	MSLP
XL3A (VE3AT, op)	2,778,468	SOHP			
XL3A (VE3AT, op) W9RE	2,778,468 1,993,431	SOHP SOHP	NŎIJ	617,715	M2
XL3A (VE3AT, op) W9RE NA8V	2,778,468	SOHP	NØIJ KK9V	617,715 144,648	M2 M2
XL3A (VE3AT, op) W9RE	2,778,468 1,993,431	SOHP SOHP	NŎIJ	617,715	M2
XL3A (VE3AT, op) W9RE NA8V K9BGL	2,778,468 1,993,431 1,091,748 910,041	SOHP SOHP SOHP SOHP	NØIJ KK9V	617,715 144,648	M2 M2
XL3A (VE3AT, op) W9RE NA8V	2,778,468 1,993,431 1,091,748	SOHP SOHP SOHP	NØIJ KK9V W8DGN W8AJT	617,715 144,648 86,250 61,440	M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL	2,778,468 1,993,431 1,091,748 910,041 405,300	SOHP SOHP SOHP SOHP SOHP	NØIJ KK9V W8DGN	617,715 144,648 86,250	M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921	SOHP SOHP SOHP SOHP SOHP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133	SOHP SOHP SOHP SOHP SOLP SOLP	NØIJ KK9V W8DGN W8AJT	617,715 144,648 86,250 61,440	M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310	SOHP SOHP SOHP SOHP SOLP SOLP SOLP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310	SOHP SOHP SOHP SOHP SOLP SOLP SOLP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOUHP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOLP SOL	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOLP SOL	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450	SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF VE3PJ K8LY	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450 859,020 560,694 291,924	SOHP SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP SOUHP SOUHP SOUHP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF VE3PJ K8LY W9XT	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450 859,020 560,694 291,924 169,830	SOHP SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP SOUHP SOUHP SOULP SOULP SOULP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF VE3PJ K8LY	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450 859,020 560,694 291,924	SOHP SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP SOUHP SOUHP SOUHP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF VE3PJ K8LY W9XT N8VV	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450 859,020 560,694 291,924 169,830 166,239	SOHP SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP SOULP SOULP SOULP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF VE3PJ K8LY W9XT N8VV KA8SMA	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450 859,020 560,694 291,924 169,830 166,239	SOHP SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP SOULP SOULP SOULP SOULP SOULP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF VE3PJ K8LY W9XT N8VV	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450 859,020 560,694 291,924 169,830 166,239	SOHP SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP SOULP SOULP SOULP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF VE3PJ K8LY W9XT N8VV KA8SMA	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450 859,020 560,694 291,924 169,830 166,239	SOHP SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP SOULP SOULP SOULP SOULP SOULP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF VE3PJ K8LY W9XT N8VV KA8SMA	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450 859,020 560,694 291,924 169,830 166,239	SOHP SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP SOULP SOULP SOULP SOULP SOULP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF VE3PJ K8LY W9XT N8VV KA8SMA AF9J	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450 859,020 560,694 291,924 169,830 166,239 10,650 216	SOHP SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOUHP SOUHP SOUHP SOUHP SOUHP SOULP SOULP SOULP SOULP SOULP SOULP SOULP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2
XL3A (VE3AT, op) W9RE NA8V K9BGL K8GL N4TZ K8PGJ VE3VN WB8WKQ WD9CIR VE3EJ W5MX VE3CX VE3UTT WA3C VA3DF VE3PJ K8LY W9XT N8VV KA8SMA AF9J W8ALP	2,778,468 1,993,431 1,091,748 910,041 405,300 501,921 308,133 245,310 240,660 92,493 3,246,165 1,485,120 1,292,700 753,186 675,450 859,020 560,694 291,924 169,830 166,239 10,650 216 5,742	SOHP SOHP SOHP SOHP SOHP SOLP SOLP SOLP SOLP SOLP SOUP SOUHP SOUHP SOUHP SOUHP SOULP	NØIJ KK9V W8DGN W8AJT K9IU	617,715 144,648 86,250 61,440 20,022	M2 M2 M2 M2 M2

Courth cost Dogion			K5UA		
Southeast Region	and Couthoostorn Divi	cions)	NN3W	426,756	MSHP
	and Southeastern Divi		K4AKK	335,328	MSHP
K4AB	1,614,354	SOHP	W4AQL	105,705	MSHP
K4PV	940,623	SOHP	WAAQL	103,703	IVISITI
K3ZJ	853,536	SOHP	WIK1 DC	260,043	MSLP
K4BAI	358,317	SOHP	WK1DS	,	
K5FUV	346,038	SOHP	KM1MM	79,422	MSLP
-			WA1F	78,660	MSLP
N8II	511,428	SOLP	14/4D4.4	4 600 205	
W6DVS	332,820	SOLP	W4RM	1,693,305	M2
WB4JFS	125,670	SOLP	W5WZ	1,224,720	M2
KF4DX	123,066	SOLP			
KK4RV	114,114	SOLP	Northeast Region		
				and Atlantic Divisions; N	Maritime and
WB2DHY	1,390	SOQRP		uebec Sections)	
WB4WXE	1,267	SOQRP	N1UR	2,773,944	SOHP
			AA1K	2,179,800	SOHP
K1KNQ	844,200	SOUHP	VY2TT (K6LA, op)	1,414,671	SOHP
WX4G	802,431	SOUHP	K3ZO	1,071,732	SOHP
K5EK	774,336	SOUHP	N1PGA	1,070,610	SOHP
K8AJA	738,738	SOUHP			
W7DO	528,525	SOUHP	W2TF	238,008	SOLP
			K3SU	192,528	SOLP
W4ZAO	288,120	SOULP	W1JQ	189,036	SOLP
W4PM	175,824	SOULP	NS3T	149,292	SOLP
K3TW	72,762	SOULP	N2EM	107,136	SOLP
K4ELI	66,933	SOULP			
K4QE	63,246	SOULP	WX2N	14,023	SOQRP
K4WY	8,769	SOUQRP	K3WW	2,428,875	SOUHP
AC2N	7,260	SOUQRP	NC1I (K9PW, op)	2,382,744	SOUHP
N4ZAK	5,967	SOUQRP	N3RS	2,019,375	SOUHP
WB4GHZ	2,106	SOUQRP	W1NT	1,936,062	SOUHP
KØRET	449	SOUQRP	K1RX	1,701,720	SOUHP
N3ZV	816	SO-160	N2RJ	912,060	SOULP
WD5BJT	108	SO-160	W3KB	535,572	SOULP
			VA2CZ	475,359	SOULP
W4QNW	12,936	SO-80	N2SQW	374,325	SOULP
N400	6,201	SO-80	NY3B	310,524	SOULP
W4NGR	3,840	SO-80			
			KC1EDE	42,624	SOUQRP
AG4W	44,178	SO-40	K2YG	10,089	SOUQRP
KD4RH	24,660	SO-40	KZ3I	7,728	SOUQRP
N800	16,815	SO-40	KQ2RP	816	SOUQRP
N4EEV	4,320	SO-40	N3UR	72	SOUQRP
KM4QE	144	SO-40			
			W2MF	6,396	SO-160
N4OX	123,006	SO-20	K3WGR	108	SO-160
KJ4QHL	25,800	SO-20	W3TS	105	SO-160
KK4RT	11,088	SO-20			
KX4HL	7,488	SO-20	W2FU	34,587	SO-80
W2IKN	5,184	SO-20	W3LL	33,480	SO-80
	-,	-	VE9OA	3,510	SO-80
KØEJ	71,706	SO-15	-	-,	
KM4HI	27,054	SO-15	N2PP	132,840	SO-40
AA4NP	13,992	SO-15	VE9AA	98,406	SO-40
WC4H	9,588	SO-15	VE9ML	14,241	SO-40
WN4AFP	4,698	SO-15	W2AAB	8,040	SO-40
	4,030	55 15	WA1TE	432	SO-40
W4DD	3,294	SO-10	KU2M	591,696	SO-20
K4WI	1,518	SO-10	WR2G	183,744	SO-20
	1,310	30 10	WINZO	103,744	30 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
W100	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