

# Results: North American QSO Party, CW — August 2022

While the January NAQP CW usually provides predictable high-band propagation, expectations are typically lower during August due to summertime conditions. Fortunately, this year most participants found excellent conditions on 15, and even 10 was in pretty good shape in many places.

This was the second NAQP CW with a Single Operator Assisted (SOA) category, following January's inaugural running. A SOA category has been long requested by many and has proven popular, with 35% of logs submitted in that category. That said, with some 66% of entrants choosing to enter unassisted, it shows there is value in maintaining separate categories.

The new SOA category did seem to have benefited all entrants. We received 1,019 logs, slightly higher than last year but markedly fewer than the record 1,241 logs we got in August 2020, when COVID was ramping up. Despite this, many August NAQP CW

records were broken this year as well as many more personal best scores. Undoubtedly this can be attributed to the new SOA category, which had the effect of distributing more QSOs to all competitors, Assisted and Unassisted.

## Single Operator Low Power

Tor, N4OGW, has been spending time practicing the challenging two-band sequential interleaved QSO (2BSIQ) technique using *Morse Runner*, and it paid off for him. As the only

### Single Op Top 10 Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
N4OGW	392,160	1520	258	61/23	189/43	334/51	461/56	303/49	172/36
K5TR (K5PI)	364,078	1474	247	26/13	134/36	373/53	418/53	307/50	216/42
K5GN	360,687	1437	251	44/20	142/39	360/51	425/52	251/50	215/39
KØEU	354,198	1482	239	27/14	132/41	303/50	538/52	357/51	125/31
K4RO	346,752	1344	258	91/29	272/45	359/55	360/57	203/45	59/27
WØUA	340,413	1461	233	17/11	129/43	302/49	575/54	351/50	87/26
WJ9B	314,352	1332	236	24/7	135/42	219/53	503/59	388/52	63/23
W9RE	301,842	1227	246	109/33	255/48	300/56	339/53	154/35	70/21
VE3DZ	296,360	1240	239	94/30	201/48	346/57	421/59	154/35	24/10
KP2M (KT3Y)	273,210	1301	210	3/3	97/30	288/52	433/58	455/56	25/11

### Single Op QRP Top Five Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
K3PA	141,336	604	234	19/19	53/43	189/57	217/57	84/40	42/18
VE3VN	80,956	547	148	22/10	70/25	267/49	125/38	56/19	7/7
NØNI	71,818	482	149	13/11	48/26	126/41	237/45	39/15	19/11
W6JTI	63,364	434	146	5/2	16/5	102/37	162/48	110/37	39/17
N5OE	40,468	302	134	2/1	19/11	79/36	125/47	47/25	30/14

### Single Op Youth (25 or younger) Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
WØAAE	142,200	948	150	6/5	50/22	378/51	474/56	40/16	0/0

### Single Op Assisted Top 10 Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
AA3B	405,559	1603	253	80/26	289/53	543/58	450/59	176/41	65/16
N5ZO	351,234	1422	247	15/6	118/46	309/58	512/61	426/58	42/18
N5RZ	340,322	1294	263	29/15	154/48	201/53	465/60	298/56	147/31
WD6T (@W6YX)	315,000	1260	250	17/6	61/34	251/54	439/64	397/58	95/34
N3RD	311,928	1268	246	57/27	211/52	472/59	403/58	100/38	25/12
N4ZZ	311,467	1261	247	43/22	230/50	399/60	465/62	67/30	57/23
AD4EB	305,490	1198	255	67/28	189/48	350/57	389/61	127/36	76/25
KY7M	301,500	1125	268	29/16	163/53	249/60	364/60	259/52	61/27
K3MM	294,576	1083	272	73/30	180/54	285/58	267/57	193/48	85/25
K3WW	287,742	1209	238	43/23	197/49	419/60	392/58	124/36	34/12

### Single Op Assisted QRP Top Five Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
W4ER	36,058	298	121	0/0	0/0	93/37	126/43	47/24	32/17
WA4PGM	32,548	316	103	0/0	13/10	136/34	64/28	58/21	45/10
N0LY	27,378	338	81	0/0	0/0	203/41	135/40	0/0	0/0
K8ZT	25,326	201	126	21/12	30/24	44/37	53/32	43/16	10/5
WC7S	8,970	138	65	0/0	4/2	45/20	43/23	32/16	14/4

### Multi-Two Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
NX6T	418,860	1611	260	16/5	138/50	370/53	502/59	417/54	168/39
N7DX	404,005	1649	245	12/5	132/45	431/58	512/61	530/57	32/19
N6RO	370,006	1498	247	28/9	139/46	337/53	434/60	502/54	58/25



First-time NAQP CW SOAB winner Tor, N4OGW.

SO operator to break 1,500 QSOs, not only did he top his personal best but won for the first time following many years of competitive entries. K5TR (with Robert, K5PI, at the helm), and Dave, K5GN, took second and third places respectively. Both took advantage of excellent short skip on 10 meters to each make more than 200 QSOs on that band. The Top Five was rounded out by Randy, KØEU, and Kirk, K4RO. It's worth noting that all five scores broke the August single-operator record.

### Single Operator QRP

Drew, K3PA, made a last-minute decision to enter the QRP category and used the waterfall display to identify the loudest stations to call first. This strategy worked well for him as he set a new August NAQP QRP record. Just behind him were VE3VN, NØNI, and perennial QRP entrant W6JTI.

### Single Operator Assisted

Bud, AA3B, put in a dominant effort in SOA with more than 1,600 QSOs. While the northeastern US didn't see as good high-band propagation as the rest of the country, he and others in the eastern US were able to offset this with increased low-band totals. Second place went to Marko, N5ZO, on the west coast, while Gator, N5RZ, placed third from Texas.

### Single Operator Assisted QRP

John, W4ER, took first place in the new category from his suburban antenna-restricted community home. John operates with wire antennas in his attic, proving that you don't need big towers and stacked Yagis to make lot of contacts and have fun. Kyle, WA4PGM, took second place, followed by NØLY, K8ZT, and WC7S (in rare Wyoming) to round out the Top Five.

### Closing Thoughts

Will the 2023 January NAQP CW result in more record scores? With the increase in sunspots, the high bands should be in great shape. Bruce, WA7BNM, has added a great new feature to the *NCJ* website ([ncjweb.com](http://ncjweb.com)): a NAQP searchable scores database. This tool allows you to drill down into the historical results and can be used to set personal goals or challenges. Give it a try!

I also want to express my thanks and appreciation to Chris, KL9A, for his management of the NAQP CW over the past several years. During his tenure, the contest saw some amazing growth. Expect big things from Chris in the future as he continues work to build a station at his new ranch in Shawmut, Montana. Thank you, Chris!

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### Multi-Two Scores

Call Sign	Score	QSOs	Mults	QTH	Operators
NX6T	418,860	1611	260	CA	N6KI, WM6Y, K4RB, WQ6X, K7ENA, N6NC, N6CY
N7DX	404,005	1649	245	WA	N7DX, K7RL
N6RO	370,006	1498	247	CA	K6AW, N6RO, N6WM, WA6O, WU6P
K5KG	350,500	1402	250	FL	K5KG, K4NMR, NA9J, K9XV
K1LZ	347,028	1466	239	ME	K1LZ
W4KFC	312,356	1364	229	MD	NN3W, N3QE
W4NF	273,888	1268	216	VA	W4NF, W7IY, K5VG
KH6LC	253,586	1231	206	KH6	KH6AQ, NH6V, KH6LC, AH6KO, N6KB
AG4TT	245,124	1238	198	NC	WA4PSC, N4NTO, N4GU
N4SS	179,080	814	220	KY	W5MX, W4ZXT, N4AAJ
WA3EKL	138,000	750	184	MD	WA3EKL, KB3VQC, WT3K, N3DPB
K8LX	76,230	495	154	MI	K8LX, W8ZDT
N1YL	40,689	411	99	MA	N1YL, KU1N
VE9ML	23,976	216	111	NB	VE9ML, VE9BK
W3SK	920	40	23	PA	N3FEL, KB3LNP
N3FEL	100	10	10	PA	N3FEL, KB3LNP
LU1MAW	29	0	85	DX	LU1MAW

**Check Logs:** AA5TA, AA8TA, AF2F, AF5J, AI5EG, AJ6GI, EA1X, EA3X, K2XR, K3ATO, K3WJV, K5LY, K7UT, KH6ND, KV5Y, OK2PAY, OK2QA, PA3AAV, PA5N, VA7XU, W2KU, W2NO, W3GQ, W3TAS, W6GEE, W9EWZ, YQ6A

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## Team Scores

### 1. FRC Team Skewed Path

AA3B	405,559
N3RD	311,928
K3WW	287,742
NY3A	241,500
N3AD	130,340
<b>Total</b>	<b>1,377,069</b>

### 2. TCG Lions

K4RO	346,752
N4ZZ	311,467
AD4EB	305,490
W4NZ	176,800
K3IE	170,500
<b>Total</b>	<b>1,311,009</b>

### 3. Deep Dixie CC Team Steamboat

N4OGW	392,160
N5EE	258,944
W5TM	242,172
K5KU	227,360
AB0S	176,607
<b>Total</b>	<b>1,297,243</b>

## Team

4. The Zoomers
5. PVRC Prime
6. GM South Park
7. NCCC Team #1
8. FCG - RED
9. SMC Team Corvette ZR1
10. ACG Bama Regulars #1
11. CCO #1
12. DFW Pentode
13. SCCC #1
14. MWA Twins
15. AOCC Assassins
16. MRRRC/NCC Team One
17. SECC#1
18. Deep Dixie CC Team Mimosa
19. Flying Iguanas
20. TDXS
21. NCCC Team #2
22. KCCC Omega
23. SFCG Codebreakers
24. KCG Red
25. SMC Team Viper
26. FRC Team Long Path
27. YCCC Heatwave 1
28. Deep Dixie CC Team Grits
29. FRC Team Short Path
30. FRC Team Backscatter
31. FCG - WHITE
32. DFW Triode
33. FRC Team Groundwave
34. GM Rattlesnake Range
35. MWA Vikings
36. NCCC Team #3
37. Kootenai River Drifters
38. AOCC Bushwhackers
39. K1USN Radio Club
40. Montana Skyfishers
41. Boiled Owls
42. SCCC #2
43. DFW Diode
44. DFW Tetrode
45. Deep Dixie CC Team Kudzu
46. FCG - BLUE
47. TCG Tigers
48. SECC#2
49. TVARC #2
50. TVARC #1
51. CCO #2
52. SMC Team Trans Am
53. Yes, DC is a Multiplier
54. MRRRC/NCC Team Two
55. NFR Rapids
56. RSM #1
57. TDXS2
58. METRO DITS
59. CCO #3
60. KCG White
61. Part Time CW Hacks
62. GM Wagon Wheel Gap
63. PVRC Spirit
64. MWA Gophers
65. YCCC Heatwave 2
66. GM Tincup Mining Camp
67. NCCC Team #4
68. Driftless Zone Contesters
69. PVRC Colonial Capital #1
70. NCCC Team #6
71. METRO DAHS
72. TCG Bears
73. The Braille Team
74. MWA Wolves
75. FRC Team Line of Sight
76. SECC#3
77. Cornwall
78. MWA Wild
79. NCCC Team #5
80. MCC TEAM #1
81. Ruidoso Radio Warriors
82. NCCC Team #7
83. NPARC Continuous Wavers
84. KCG Blue
85. SMC Team Mustang Shelby
86. MRRRC/NCC Team Three
87. MRRRC/NCC Team Four
88. Iguana Rock and Roll All Night
89. ACG Bama Regulars # 2
90. TVARC #3
91. SMC Team Challenger
92. ToBoMo
93. SMC Team Barracuda
94. Eastern Ohio Contesters
95. Boiled Owls Too

## Operators

N5RZ, W9RE, NA8V, K7SV, W1WEF
WJ9B, K3MM, N4AF, K3AJ, N1RM
K0EU, W0UA, KT0A, WY7M
WD6T, N6TV, N6ZFO, K9YC, N3ZZ
N4EEB, K9OM, NP2X, WO4O, N4BP
K9CT, WT9U, NE9U, N9CO, KK0U
N2NL, K4AB, N4OX, WA1FCN, N4KH
VE3DZ, VE3EJ, VE3MGY, VE3RZ, VE3UZ
K5TR, N5OT, W0UO, KG5VK
N5ZO, N6TR, W6TK, AA2IL, WQ6X
NA0N, K0AD, W0AAE, N0AT, K0HB
KY7M, N7IR, K7WP, KC7V, W7ZR
K8MR, W1NN, W8CAR, N8AA, K3UA
K4BAI, K08E, WF4W, W8FN, K4EA
K0WA, N4XL, N0TA, AC6ZM, K3DMG
N0AX, W2FU, K9NW, NF4A, AA4GA
K5GN, KG5U, K0NM, N5XZ
K6KM, AJ6V, KA6BIM, W6JTI, AE6Y
NS0R, AI6O, AA0FO
N4IQ, K4FT, KY4ID, WN4AFP, K7OM
K4FN, KC4WQ, K4WW, KM4FO, KE4KY
N9TTK, K9WX, K9WO, WD9CIR, K9AY
W3KB, K3TS, K3UL, K3PP, AA3R
W1KM, K5ZD, K1TR, W1UJ
K5RM, K4OAG, N8BJQ, NN5O
W2GD, K9RS, N2RC, WA2CP
KE2D, K2RET, AB2E, K2CJ
KQ4R, WA1S, NE8P, N4AO, KQ4Y
K5AX, N5OE, K1DW, AF5CC, WA5LXS
W3MA, WA3AAN, N2EY, K3QP
AD1C, KH6CJJ, N7WY, NN0G, WC7S
K0KX, W19WI, K0PK, WB0N, W6GMT
KH6TU, N6XI, K6DGW, AE6JV, W6FB
KJ9C, K0SN, W7XT
W7CXX, K7JQ, N9NA, AA7V, K7MY
K1DJ, K1EBY, N1DC, K1TH, K1RV
K7QA, KD7HU
K2LE, AH2O, K2RB, W2JV, W2YK
K6NR, W6ZL, N6AA, N6GP
W2RQ, N5XE, N5WNG, K5YZW, WB5K
K5BG, N5JR, W8OV, K7RB
K25D, KE8G, K4AFE, AA5W
W4CU, W4EE, NK4O, K4RFK, AA8R
K1GU, AA4DD, W4CMG, AF4T, K3FH
AA5JF, NJ8J, KY4GS, NG2J
N4FP, K2PS, N4GL, K1LTJ, W3US
K2DM, ND8L, K2TE, ND4G, N8RW
VE3EY, VA6RCN, VA3EC, VE3SMA, VE3AQ
WB8BZK, NX0I, AB9YC, W9QL, W9YK
K2ACX, AC5XK, WN3F, NN3RP
K8RYU, N8FYL, AF8A, W8WTS, W8SH
K2ZR, W2TB, NS2N
VE4EA, VE5UO, VA4JP, VE4DL
AJ4F, K5GQ, K5IZO, K5TU
N9TK, WA9LEY, W9ILY, K9GA, W9OA
VE3VN, VE3MV, VA3RKM, VY0ERC
ND4Y, KM4CH, N4QS, K4TZ
K5NZ, K5GA, K5JTH, K5MXG, N5REL
KF0UR, W0CO, N0KQ, K0GUZ
N3CKI, K3PI, K3TN, W2CDO
N0AV, KA0PQW, K0ARF
KA1YQC, WO1N, W1DYJ, K1MT, KO1H
K0AV, N4VI
K6RIM, KA6W, K6MM, W6EU
WT9Q, W9ET, KF9VV, KD9DZT, WA9ZZ
KK4R, K8LF, WA3RWP, K4MI
K6GHA, W6XU, KI6OY, K6SRZ, W1SRD
K9ZO, K9PY, NV9X, NE9A
N9TF, W4UT, W4SSF, KA4OTB
N9BSO, K5XU, KB8TYJ, KW3A
N0EO, K0RC, N0IJ, K9DU, AC0W
WB2PJH, W3WHK, NF3R, NE3I, N3NR
N4IJ, KT4Q, N3HEE, W4DD
K3MSB, AB3AI, KA3D, N3RM, KN3A
K0TG, WQ0N
N6TTV, K8TR, WU6W, NA6O, N3RC
VE9AA, VA1RST, VE9HF
K5NU, W5DET, NQ5X
K6LRN, NF6R, N6WM, K6EI, NW2P
K2AL, K2YG, KC2WUF
N4JRG, KO4OL, K4AVX, WE5P, AB4IQ
K9DUR, N9EP, K9CC, KA3QLF
N8SBE, K8BL, N8ET
AB8OU, W8RU
WT2P, AJ9C, EA6/EA3HSO
N4NM, K4WI, W4NBS, NF7D
W2TR, K1CTR, WB2ART, AD4J, W3GYM
K0PG, W9FFA, K9LA, AF9J
WZ4M, W4GHV, KJ7MEB
KC9EOQ, KD9MS
WA8ZNC, W8TMT, KE8E
KS2G, N2YBB

## Total

1,231,488
1,164,910
1,020,698
985,838
971,388
939,894
915,388
901,613
851,291
842,459
755,564
706,508
689,117
648,105
588,983
556,617
528,084
497,320
481,755
466,250
459,206
437,310
407,247
378,308
335,478
334,916
329,911
328,937
282,721
281,931
276,318
275,031
274,821
274,053
268,572
266,021
260,503
253,429
250,000
244,312
243,683
238,273
223,619
221,518
217,580
212,765
198,398
186,093
184,340
169,167
167,080
164,167
160,923
160,235
154,304
153,277
148,512
146,239
145,972
145,591
138,210
137,596
135,683
133,653
128,972
121,034
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103,652
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77,270
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63,756
60,525
56,656
54,199
52,993
47,452
38,676
35,160
31,187
30,818
28,564
28,215
18,974
18,856
12,145
7,070
6,268





*NØNI	71,818	482	149	IA	AAØAJ	1,242	46	27	MN	*VE3SIF	10,584	147	72	ON
KØAV	68,385	485	141	CO	WØDC	777	37	21	MN	VE3BXG	9,300	150	62	ON
N4VI	67,298	437	154	CO	NØZT	624	26	24	MO	VE3NFN	8,236	142	58	ON
KØPK	56,565	419	135	MN	KØJZ	340	20	17	KS	VE3AQ	7,259	119	61	ON
KØEA	46,498	347	134	MN	KJØP	294	21	14	MN	VA4JP	5,763	113	51	MB
N9BSO	42,315	465	91	MO	KDØWUQ	224	16	14	ND	*VE3KJQ	3,071	83	37	ON
KAØPQW	37,065	353	105	MN	KSØCW	180	15	12	SD	VA1MM	2,166	57	38	NS
WBØN	30,414	274	111	MN	ABØCD	136	17	8	CO	VA7GI	1,938	57	34	BC
WØCO	26,522	298	89	CO	KØARF (KØSV)	110	11	10	MN	VE3PQ	1,716	52	33	ON
WØUY	24,948	252	99	KS	KSØM	28	7	4	MO	VA7ZM	1,404	52	27	BC
KØMPH	22,900	229	100	MN						VA3FN	1,400	50	28	ON
KNØV	21,854	223	98	MN	VE3DZ	296,360	1240	239	ON	VE3EUS	1,122	51	22	ON
W4IFI	20,492	218	94	CO	VE3EJ	253,105	1115	227	ON	VE3KG	644	28	23	ON
AFØZ	19,740	210	94	MN	VE4EA	128,016	762	168	MB	VE7BGP	437	23	19	BC
KB9LLD	17,630	205	86	MO	VE3EY	96,360	660	146	ON	*VA3IIF	360	24	15	ON
KØTC	14,820	195	76	MN	*VE3VN	80,956	547	148	ON	VA6TI	216	18	12	AB
KMØO	14,421	253	57	MN	VE5GC	59,250	474	125	SK	VE3DRS	165	15	11	ON
WØYJT	13,350	178	75	KS	VE3KP	49,794	386	129	ON	VE3VIG	56	8	7	ON
K9DU	13,224	174	76	MN	VE3TM	46,144	412	112	ON					
WA1FMM	12,880	184	70	CO	VE3UZ	36,499	323	113	ON	KP2M (KT3Y)	273,210	1301	210	KP2
W7II	10,374	133	78	IA	VE3NRT	31,816	328	97	ON	N5NU/TI2	42,959	361	119	TI
W6GMT	9,768	148	66	MN	*VE3KI	31,518	309	102	ON					
WQØN	7,548	111	68	MN	VA6RCN (VE3RCN)	29,362	277	106	AB	PY3TD	3,465	77	45	DX
WØFLS	7,436	169	44	IA	VE9AA	29,100	291	100	NB	EA6/EA3HSO	646	34	19	DX
ACØW	7,198	122	59	MN	VE3TMK	28,072	242	116	ON	LQ3D	570	30	19	DX
KYØO	6,380	116	55	MO	VA3EC	26,976	281	96	ON	DL7USW/P	512	32	16	DX
WØEJ	6,328	113	56	SD	VE3SMA	26,136	264	99	ON	SP7Y	304	19	16	DX
WØBH	6,305	97	65	KS	VA1RST	19,440	243	80	NS	JK1HIY	117	13	9	DX
WAØLIF	4,606	94	49	MN	VA3JK	17,316	234	74	ON	SD1A (SM1TDE)	81	9	9	DX
KEØQKF	4,224	88	48	IA	VE3FH	13,870	190	73	ON	4Z5AF	54	9	6	DX
NØXM	3,763	71	53	KS	VA3KRJ	13,260	195	68	ON	JS1NDM	9	3	3	DX
N7SE	3,588	92	39	CO	VA3RKM	12,324	158	78	ON	LU5DF	4	2	2	DX
WA2PCN	2,112	66	32	CO	VE9HF	11,985	255	47	NB					
NYØJ	1,323	49	27	MO	VE3KOT	11,078	191	58	ON	*QRP				

### Single Operator Assisted Scores

Call Sign	Score	QSOs	Mults	QTH										
AE2W	158,148	828	191	MA	N2YBB	1,276	44	29	NY	N4IQ	163,624	724	226	SC
K2LE	146,216	746	196	VT	WT2J	1,008	36	28	NY	K4FN	146,000	730	200	KY
K1DJ	92,826	573	162	MA	WO2Y	968	44	22	NJ	N4FP	128,961	623	207	FL
KA1YQC	85,556	586	146	MA	W2CG	126	14	9	NJ	K4OAO	127,835	691	185	VA
K1RF	40,560	390	104	CT	KB2URI	60	10	6	NY	KY4ID	125,042	607	206	SC
K1DW	32,175	325	99	CT	AA3B	405,559	1603	253	PA	N6AR	119,780	565	212	FL
W1UJ	26,950	275	98	MA	N3RD	311,928	1268	246	PA	AA5JF	117,018	594	197	GA
K2RB	25,460	268	95	CT	K3MM	294,576	1083	272	MD	K1GU	114,762	617	186	TN
WO1N	24,720	240	103	MA	K3WW	287,742	1209	238	PA	N1RM	110,768	688	161	VA
K1TH	18,334	206	89	MA	NY3A	241,500	1050	230	PA	N4KH	107,421	587	183	AL
W1DYJ	17,927	197	91	MA	W2GD	205,820	820	251	PA	W4CU	90,128	524	172	FL
K1BZ	13,860	154	90	ME	K3AJ	189,614	839	226	MD	AC6ZM	76,320	477	160	TN
K1RV	10,744	158	68	MA	W3MA	178,846	802	223	PA	ND4Y	65,527	407	161	KY
KO7SS	10,064	148	68	CT	N3AM	141,232	728	194	MD	N1WR	51,604	388	133	VA
W1HNZ	6,767	101	67	MA	W3KB	128,898	682	189	PA	K2SX	51,042	362	141	SC
K1MT	6,468	98	66	MA	WA3AER	97,026	618	157	MD	K4EA	50,184	306	164	GA
N1KM	4,371	93	47	RI	K9RS	72,576	384	189	DE	N9TF	44,604	354	126	TN
KA2KON	4,324	94	46	NH	AC5XK	68,385	485	141	DC	N4AO (WC4E)	44,070	339	130	FL
KC1WD	775	31	25	MA	KB3AAY	63,349	443	143	MD	KY4GS	40,446	321	126	SC
WB1AEL	108	12	9	MA	WY3A	61,864	407	152	PA	NS4X	40,365	299	135	TN
*KC1DVT	16	4	4	ME	WA3AAN	42,624	333	128	PA	K8LF	39,690	315	126	VA
KE2D	135,408	651	208	NJ	AA3R	36,680	280	131	DE	K2MK	38,318	322	119	FL
K3TS	93,073	571	163	NJ	NY3B	34,748	292	119	PA	NK4O	37,584	324	116	FL
KA2K	90,650	518	175	NJ	NF3R	24,768	258	96	PA	*W4ER	36,058	298	121	AL
KR2Q	78,966	642	123	NJ	K3TN	18,900	180	105	MD	W4XO	35,770	365	98	GA
K2RET	72,698	446	163	NJ	W3LL	18,224	136	134	MD	KU1T	35,360	260	136	FL
AB2E	70,060	452	155	NJ	AC3IU	12,804	194	66	PA	W4CMG	34,848	288	121	TN
NM2A	66,612	546	122	NY	NN3RP	11,736	163	72	DC	*WA4PGM	32,548	316	103	VA
W2TB	64,219	431	149	NY	K3FH	10,318	154	67	PA	W4SSF	31,097	257	121	TN
NN2NN	58,164	393	148	NY	W2CDO	9,514	142	67	MD	KM4HI	30,144	192	157	FL
K2CJ	51,745	395	131	NJ	K3CY	9,452	139	68	PA	W2XYZ	28,920	241	120	FL
N2UU	49,818	437	114	NJ	AG3I	9,230	142	65	PA	WK9M	27,810	270	103	TN
N2RC	44,144	356	124	NY	NE3I	7,392	112	66	PA	W4VIC	25,758	243	106	VA
K2AL	33,300	300	111	NJ	KB3Z	6,695	103	65	PA	N4QS	22,356	243	92	KY
WB2WPM	18,873	233	81	NY	KA3D	5,766	93	62	PA	N4GL	19,788	204	97	FL
WA2CP (KC2GOW)	12,376	182	68	NY	WM3O	4,032	84	48	PA	N4JRG	19,201	211	91	KY
NE2V	12,035	145	83	NJ	N3NR	1,943	67	29	PA	KE4KY	16,206	219	74	KY
W2JV	11,985	141	85	NY	N3RM	858	33	26	PA	WA3RWP	15,124	199	76	VA
W2FDJ	11,937	173	69	NJ	W3NRJ	738	41	18	MD	NJ4Q	14,536	158	92	VA
W2LCQ	11,165	145	77	NY	W3MAM	140	14	10	MD	WZ4M	12,400	155	80	NC
KD2EPM	8,448	132	64	NJ	N4ZZ	311,467	1261	247	TN	W2TR	11,319	147	77	FL
K7RB	7,872	164	48	NY	AD4EB	305,490	1198	255	TN	N3HEE	10,990	157	70	SC
K2GO	6,893	113	61	NY	N2NL	271,260	990	274	AL	W4SDX	10,640	133	80	TN
KS2G	4,992	96	52	NY	N4EEB	252,784	1036	244	FL	KEØL	9,752	106	92	TN
N2SO	4,520	113	40	NY	N2YO	198,067	1037	191	VA	KØZR	9,230	142	65	VA
WW2P	3,600	80	45	NY	WO4O	178,364	731	244	FL	W3US	8,556	124	69	FL
KA2IRQ	2,584	76	34	NJ	N4XL	170,628	723	236	SC	NG2J	8,532	108	79	GA
					K3IE	170,500	775	220	TN	KX4UI	8,494	137	62	FL
										KS4X	8,262	102	81	TN
										K1CTR	8,120	140	58	FL

W4KLY	7,755	141	55	GA	KY7M	301,500	1125	268	AZ					
K4AFE	7,326	111	66	TN	N7XU (K4XU)	262,080	1092	240	OR	NSØR	246,994	1133	218	KS
NØOJ	6,612	114	58	FL	K7QA	235,543	1127	209	MT	NWØM	181,888	812	224	MO
K3ZGA	5,828	94	62	FL	W7CXX	206,230	1006	205	UT	ABØS	176,607	837	211	KS
W4NNF	5,559	109	51	AL	WY7M	160,303	767	209	WY	KØWA	175,104	912	192	KS
AA8R	5,551	91	61	FL	K7ZQ	116,216	796	146	WA	KTØA	165,784	901	184	SD
W4RKU	4,686	71	66	VA	N7NM	112,623	651	173	WA	KEØUI	127,088	752	169	CO
K4LW	3,948	84	47	FL	K7WP	107,388	628	171	AZ	NØTA	121,175	655	185	CO
W6UB	1,794	69	26	TN	KA6BIM	86,880	480	181	OR	AD1C	117,304	682	172	CO
N6DW	1,551	47	33	VA	W7ZR	64,872	424	153	NV	KKØU	114,098	641	178	MO
*KR4AE	1,056	44	24	GA	N7IP	56,610	370	153	OR	KVØI	112,375	725	155	NE
WU4B	1,056	33	32	GA	W7JXY	45,162	386	117	WA	KØKX	108,732	533	204	SD
NU4N	950	38	25	KY	W7XT	44,544	384	116	MT	NØAV	101,035	605	167	IA
W4HXX	378	21	18	FL	KD7HU	24,960	240	104	MT	KØHB	93,568	544	172	MN
*K2TV	252	18	14	VA	WN6W	21,210	202	105	OR	KØTG	57,546	414	139	MN
KB4KBS	242	22	11	GA	WU9B	20,210	215	94	AZ	NJ8M	52,626	537	98	KS
KW4WL	108	12	9	GA	N9NA	19,845	189	105	AZ	NXØI	50,370	345	146	MO
AC4MC	16	4	4	SC	K9PY	15,908	164	97	OR	NØEO (AAØAW)	43,520	340	128	MN
					KF7Z	13,182	169	78	WY	WØOR	42,952	364	118	MN
N5RZ	340,322	1294	263	TX	*WC7S	8,970	138	65	WY	WZØW	36,300	363	100	MO
W5TM	242,172	961	252	OK	AA7V	7,811	107	73	AZ	NNØG	29,430	270	109	CO
K5AX	174,270	785	222	TX	K7MTD	6,480	108	60	MT	*NØLY	27,378	338	81	MO
K5RM	150,480	684	220	AR	AL2F	6,090	105	58	KL7	NØKQ	25,300	220	115	CO
K5NZ	98,262	477	206	TX	WT8P	2,867	61	47	WA	KØRC	23,800	200	119	MN
N5YT	76,447	469	163	MS	K7NO	1,827	63	29	AZ	KØGUZ	19,110	210	91	CO
N5JR	48,841	289	169	TX	KJ7MEB	1,326	51	26	UT	NØXR	16,767	207	81	IA
N5WNG	34,055	245	139	TX	N7MU	918	34	27	WA	ACØE	15,600	195	80	KS
AF5CC	24,931	233	107	OK	W7SLS	192	16	12	WA	KØAF	7,752	114	68	IA
N5KD	24,453	247	99	TX	WØWL	9	3	3	WA	KØWRY	5,555	101	55	KS
NE5A	19,712	176	112	OK						N5KB	3,572	94	38	IA
KA5M	17,544	204	86	LA	WA8Y	108,075	655	165	MI	KØ9V	3,139	73	43	CO
KG5VK	15,228	162	94	TX	WA8KAN	64,260	420	153	WV	KØWOI	3,036	69	44	IA
WDØGTY	15,147	187	81	OK	N8BJQ	55,461	399	139	OH	KBØNES	1,786	47	38	MN
K5JTH	11,390	134	85	TX	K9NW	53,690	413	130	OH	NNØJS	693	33	21	MO
WA5LXS	10,877	149	73	TX	KE8G	27,285	321	85	OH	KØTLG	621	27	23	MN
W6FB	10,048	157	64	LA	*K8ZT	25,326	201	126	OH	ADØAB	168	14	12	KS
WØVX	7,828	103	76	TX	K8WWS	15,800	200	79	OH					
N5MF	6,375	125	51	NM	AA4R	14,896	152	98	MI	VE3MGY	188,577	911	207	ON
NT5SM	4,240	80	53	TX	KI6DY	11,628	171	68	OH	VE3RZ	127,072	608	209	ON
NA5J	3,648	76	48	TX	K8GT	10,660	130	82	MI	VE6RST	112,266	567	198	AB
K5QR	3,444	84	41	TX	K8BL	10,440	145	72	OH	VE3MV	54,621	357	153	ON
KG5RXG	912	38	24	TX	N8VV	10,220	146	70	OH	VE3NZ	48,216	588	82	ON
N5REL	891	33	27	TX	W8BI (KB8UEY)	10,138	137	74	OH	VE3GFN	42,532	343	124	ON
W5WZ	858	33	26	LA	W5DT	5,130	114	45	MI	VE3TW	35,919	307	117	ON
KI5PED	744	31	24	TX	N4EL	4,181	113	37	OH	VA3WB	33,390	315	106	ON
K5AEM	680	34	20	TX	W8TMT	2,829	69	41	WV	VE5UO	26,400	300	88	SK
AB5XM	182	14	13	TX	AK2U	1,450	50	29	WV	VE3VY	25,500	255	100	ON
WX5SR	81	9	9	OK	WB8ASI	112	14	8	MI	VA2UR	8,911	133	67	QC
*WB5ACT	9	3	3	TX						VE7IO	8,775	117	75	BC
					WT9U	233,704	1048	223	IN	VA3PAF	6,324	124	51	ON
N5ZO	351,234	1422	247	CA	K9OM	211,068	858	246	WI	VE7CV	6,016	94	64	BC
WD6T (@W6YX)	315,000	1260	250	CA	NE9U	170,376	916	186	WI	VYØERC (VE3KTB)	5,376	112	48	NU
N6IE	157,781	689	229	CA	N9CO	165,528	726	228	IL	VA2VT	5,040	90	56	QC
K9YC	156,312	668	234	CA	N9TTK	163,418	809	202	IN	VE3JZT	4,959	87	57	ON
K6KM (@W6SRR)	147,936	736	201	CA	K9WO	86,592	528	164	WI	VA6BGE	3,995	85	47	AB
W6TK	134,134	737	182	CA	AC9S	54,740	391	140	IL	VE3SSR	2,542	62	41	ON
AA2IL	96,195	583	165	CA	WB8BZK	53,550	357	150	IL	K6PO/VE7	2,394	63	38	BC
N3ZZ	89,612	521	172	CA	N9TK	52,704	432	122	IL	VA2OT	1,113	53	21	QC
K6RIM	87,675	525	167	CA	W9ET (WB9SBD)	51,009	347	147	WI	VE4DL	744	31	24	MB
W1RH	80,838	499	162	CA	WA9LEY	50,625	375	135	IL	VE3FP	375	25	15	ON
K6GHA	51,330	354	145	CA	KR9U	45,870	278	165	IN					
WQ6X	41,044	331	124	CA	KC9K	39,585	273	145	IL	NP2X (K9VV)	181,600	908	200	KP2
N6KI	20,445	235	87	CA	AB9YC	39,050	275	142	IL	KP3W	1,092	42	26	KP4
W6KC	18,900	180	105	CA	W9TC	38,080	320	119	IN					
KI6OY	18,507	199	93	CA	W9FY	35,168	314	112	IL	PY5AMF	14,798	151	98	DX
K6EU	13,530	165	82	CA	WØ9B	31,750	254	125	WI	LY2TS	10,626	161	66	DX
K8TR	11,388	156	73	CA	WT2P	23,618	241	98	IL	JA6GCE	2,960	74	40	DX
NA6O	9,317	121	77	CA	KØTQ	23,520	245	96	IN	JN1THL	2,077	67	31	DX
*K2RP	2,065	59	35	CA	N9UNX	18,032	196	92	IN	M4N (G4IZZ)	1,225	49	25	DX
KØDTJ	1,980	55	36	CA	AI9T	17,762	166	107	IL	SP3BBS	180	15	12	DX
N6VH	950	38	25	CA	N9EP	16,116	204	79	IL	9A/DM6EE	156	13	12	DX
W6IA	375	25	15	CA	KC9YL	15,580	190	82	WI	PU2XFF	16	4	4	DX
KA5WSS	195	15	13	CA	KG9N	10,212	148	69	IL					
					W9FFA	7,250	125	58	IN	*QRP				
					KYØQ	7,080	120	59	IL					
					AA9RK	2,210	65	34	WI					
					*KB9RPG	176	16	11	IN					
					N9TCA	121	11	11	IL					