



ARRL 10-Meter Contest

2022 Full Results

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“10m is back!” – Fred, DH5FS

The high expectations we had for the 2022 running of the ARRL 10-Meter Contest were met, with sustained openings across North America and to the world, as well as great enthusiasm and high participation. 2022 also set a record for highest log submission ever, with 5,733 entries, plus another 141 checklogs, an 87% increase over 2021. 2022 surpassed the banner years of 2014 (5,479 logs) and 2011 (5,378 logs).

For some in North America, E skip was back on Friday night, after having taken 2021 off. Backscatter from F2 propagation created conditions where many in the US were able to work all fifty states on 10M CW, and helped European operators work each other. Six overall records were broken, three DX and three domestic. Over the course of December 10th and 11th, 2022, we made 1,420,231 QSOs on 10M. Thank you Cycle 25!

As the post-contest reports make clear, the format of the ARRL 10-Meter Contest —plus good conditions— attracted numerous new contesters into this December weekend of radiosport. After many years of newly licensed Technicians in the US hearing few stations on the phone portion of the 10-Meter band, there were wall-to-wall signals, with ample DX contacts to be made. This is a great event for newcomers.

Aviel, KC1RNK, licensed six months but without having been on the air, writes that during the 10-Meter Contest she made her “very first contact ever and my first contest Q was F4ARU! I look forward to upgrading my license and more operating.”

The 10-Meter Contest during the years at the top of a solar cycle is a great event to recommend to those curious about contesting. Circle the date for the 2023 event, the second weekend of December (December 9th and 10th) and reach out to your local club now to see if you can give a presentation about the 10-Meter contest.

Conditions were definitely good, with a solar flux of 149 on Saturday and 142 on Sunday, and generally low geomagnetic activity. And while the ionosphere was in fine shape, GU4CHY’s comments that “conditions were good rather than wonderful” captured the general mood. Many in Europe observed something similar to GM5WS, that 10 meters “woke up just before sunrise and died just

after sunset.” It also seems clear that those in the northern latitudes had a much harder time, although propagation into the mid-latitudes was generally excellent. In the weeks leading up to the contest, the bands had given us hints that conditions might be even better. And while during the contest there were openings between Europe and the West Coast of North America, those were short, and the true polar paths were closed.



Aviel, KC1RNK, at the microphone during the 2022 10-Meter contest. [Aviel Stutman, KC1RNK, Photo]

The contest had an exciting start in North America. WU2X in Eastern New York made 352 Phone contacts in the first four hours, with all but three of them in the US and Canada. In the same four-hour period, NN7CW in North Florida made 323 CW contacts. Saturday was productive across the board.

The team of FY5KE operated 18 hours of the first twenty-four hours of the contest, making 2,279 contacts, an average of 126.6 QSOs per hour. And there were good openings across the Atlantic. EA7X, one of the top Mixed Mode finishers from Europe, made his first Saturday contact with the US at 1157Z, and his last one at 1720Z. Sunday’s Atlantic opening for EA7X was even longer, lasting over 6 hours, although the general conclusion was that Saturday’s conditions for DX were better than Sunday.

The top scores show that skill, experience, perseverance, and a good station pay-off in achieving winning scores. Geographical location, of course, also played a role. As is usually the case in this contest, most of the DX winners were from the Western Hemisphere, although the

sustained F2 openings made Caribbean stations more competitive vis-à-vis stations on the South American continent, compared to last year when Brazil produced most winners (capitalizing on TEP propagation into North America).



W7MRF's Multioperator, High Power entry was portable from McDowell Mountain Park in Arizona. [Lionel Mongin, KW7MM, photo]

Many European stations made excellent efforts, although their comparatively shorter openings to North America put them at a disadvantage to those in North and South America. Nonetheless, a number of European (and Asian) stations posted winning DX scores. This includes three Spanish stations who won their categories, the Dutch winner of Phone QRP (PA2TMS), and OM3GI operating from Madeira Island as CT9ABO to win Unlimited CW, High Power. Two of the QRP categories were won by Japanese stations. And RN3QO at P3AA in Cyprus took second in CW, Low Power, coming up just short of HK1N's winning entry.

The good but not great conditions in 2022 leveled the playing field across the different divisions in the United States. For the twenty different competition categories in the US, the winner came from one of eleven different divisions, from all parts of the country with only four

divisions missing out on producing a top score. The winners were generally coastally located – the Atlantic, Pacific and Gulf coasts each produced multiple winners – but special shout-outs to K2DRH for winning Phone (Unlimited), Low Power from the Central Division and to NDØC for his win from the Dakota Division in Mixed Mode, QRP.

Amongst the fifteen US divisions, the Southeastern Division came out on top, winning six of the twenty categories. This likely was due to the better conditions in the southern latitudes of the northern hemisphere, which negated the usual advantage held by New England Division ops in working Europe. And while the Pacific and Northwestern Division stations had only limited openings to Europe – which also hampered amassing multipliers – they did have openings both days into the densely populated parts of the North American continent, making many of them competitive with East Coast stations.

As usual there was global participation, with 49.3% of the logs originating from outside W/VE/XE. For the DX locations, Japan topped the list with 341 submitted logs, followed by Germany (248), Brazil (235), European Russia (212), Spain (138), Italy (117), The Netherlands (107), France (90), Poland (85), and Asiatic Russia (85). There were 128 different DX entities that submitted logs. There were 2,783 logs from the United States (from all 50 states), plus 196 Canadian logs, and 29 from Mexico.

Most Canadian multipliers were available, although there were no submitted logs from Yukon, Nunavut, or the Northwest territories. And at least fifteen Mexican multipliers were on the air.



Francesco, YV5LFY, logged the contest by hand (note paper log on desk.) This was Francesco's first official entry into an ARRL contest. [Francesco Manna D'Amico, YV5LFY, Photo]

Category Winners, New Records, and Other Accomplishments

Here are the overall worldwide category winners for 2022.

Single Operator, Mixed Mode, High Power	
LU8DPM (LU5WW, op)	2,494,488
Single Operator, Mixed Mode, Low Power	
N8II	957,150
Single Operator, Mixed Mode, QRP	
PY2NY	338,424
Single Operator, Phone Only, High Power	
KP2B (EB7DX, op)	939,272
Single Operator, Phone Only, Low Power	
PY2UD	443,808
Single Operator, Phone Only, QRP	
PA2TMS	49,392
Single Operator, CW Only, High Power	
NN7CW	1,156,828
Single Operator, CW Only, Low Power	
KP4/KO1A (IZ3YEZ, op)	751,920
Single Operator, CW Only, QRP	
W6JTI	162,108
Single Operator Unlimited, Mixed Mode, High Power	
N8OO	2,767,784
Single Operator Unlimited, Mixed Mode, Low Power	
K9OM	841,960
Single Operator Unlimited, Mixed Mode, QRP	
W1WBB	227,406
Single Operator Unlimited, Phone Only, High Power	
TI1K (TI5CDA, op)	819,966
Single Operator Unlimited, Phone Only, Low Power	
K2DRH	233,264
Single Operator Unlimited, Phone Only, QRP	
PY2BN	26,268
Single Operator Unlimited, CW Only, High Power	
CT9ABO (OM3GI, op)	1,858,324
Single Operator Unlimited, CW Only, Low Power	
AH6KO	686,208
Single Operator Unlimited, CW Only, QRP	
EA3O	187,916
Multioperator, Single Transmitter, High power	
FY5KE	4,616,488
Multioperator, Single Transmitter, Low Power	
PJ4LL	1,482,096

Notable is the geographical diversity of the winners. There are winners from Hawaii to The Netherlands, Illinois to Argentina. Probably the biggest surprise is that there are six South American winners out of the twenty, compared to eleven in 2021. While in 2021 there were no winners from the Caribbean or Central America, there were three in 2022.



DaXian “Roboy” Zhang, BI1MCZ, made just over 100 contacts with this temporary beam antenna from a Beijing location.

There are many familiar calls in here, with a number of them competed in a different category from 2021. A special congratulations to LU5WW, at LU8DPM, who made it three years in a row atop the Single Op, Mixed Mode, High Power category. Alex’s score was 172% higher than last year.

Most winning scores were between 100% and 400% higher than in 2021. The average percentage increase across all 20 categories was a whopping 1,343%. This was largely caused by the QRP categories. Compared to 2021, it was a fine year to be QRP. The average increase in score for the winners across all six QRP categories was 3,182%.

Of the 40 possible records for overall category winners, six were broken.

- N8OO, from Louisiana, took the W/VE/XE record in Single Operator Unlimited, Mixed Mode, High Power, with 2,767,784 points
- W1WBB using his station in Rhode Island, scored 227,406 points to take the W/VE/XE record for Single Operator Unlimited, Mixed Mode, QRP
- AH6KO, in Hawaii, totaled 686,208 points to take the W/VE/XE record for Single Operator Unlimited, CW Only, Low Power

- TI5CDA, operating from TI1K, made 819,966 points for the DX record for Single Operator Unlimited, Phone Only, High Power
- OM3GI, operating as CT9ABO, now has the DX record for Single Operator Unlimited, CW Only, High Power, with 1,858,324 points
- The FY5KE team made 4,616,488 points to achieve the DX record for Multioperator, Single Transmitter, High Power

Congratulations to these new overall category record holders.

Across the W/VE/XE entries, 44 division records were broken, with every division (except Mexico) getting at least one new record. There were a further 239 new section records established. Many of the records broken were in one of the Unlimited categories, demonstrating the increased popularity of operating with assistance since the top of the last solar cycle. It also seems clear that the assistance tools and technologies have increased in effectiveness in the past decade.

Amongst the DX entries, there were 14 new Continental records established, again mostly in the Unlimited Categories. And 194 new DXCC entity records were broken or established.

It is a further sign of the good, but not great, conditions in 2022, that despite there being more entries in 2022 than ever before, many of the 2014 records still stand. For the W/VE/XE overall records, seven of the twenty overall records are still from 2014, and for the DX records, it's nine of the twenty.

An analysis of the W/VE/XE division records confirms that even with the number of logs submitted, of the 330 established records, there are still 99 from 2014, 29 from 2001, 30 from 1999, and six still hold from 1989.

Affiliated Club Competition

This year 1,235 (or 42.1%) of W/VE entries participated in the club competition. That is up (only) about 20% from last year, further indication that many entries in 2022 were newcomers. There were 75 club entries, four more than in 2021. But if the overall number of club entries are comparable to last year, the winning scores are not.

In the local category, the nine entries from the Central Virginia Contest Club resulted in an aggregate score of

2,373,654, scoring ahead of all other local clubs. The medium club category was the most popular, with 51 entries. The Arizona Outlaws Contest Club, amassing 11,204,676 points with 37 entries, was well ahead of the 50 other clubs, meaning the coveted club gavel goes to the Southwest this year. Contest Club Ontario took second place (6,961,858 points from 43 participants). A special congratulations to the Alabama Contest Group which placed third in the medium club category with just 14 entries (5,896,304 points).

After a one-year hiatus, the Potomac Valley Radio Club returns as the top club in the unlimited competition, with 22,664,480 points from 118 logs. The Yankee Clipper Contest Club (19,895,608 points) and the Frankford Radio Club (16,882,580) round out the top three.

(Version 1.0 of the article listed the Unlimited Category scores incorrectly- it has been updated in this table.)

Club	Score	Entries
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Unlimited Category

Potomac Valley Radio Club	22,664,480	118
Yankee Clipper Contest Club	19,895,608	81
Frankford Radio Club	16,882,580	74
Northern California Contest Club	15,810,440	77
Florida Contest Group	13,492,138	58
Society of Midwest Contesters	12,389,274	74
Minnesota Wireless Assn	11,667,040	90

Medium Category

Arizona Outlaws Contest Club	11,204,676	37
Contest Club Ontario	6,961,858	43
Alabama Contest Group	5,896,304	14
Central Texas DX and Contest Club	4,909,690	18
Southern California Contest Club	4,781,358	42
Kentucky Contest Group	3,990,396	17
Tennessee Contest Group	3,533,452	30
Mad River Radio Club	3,138,030	17
Kansas City Contest Club	3,005,302	11
South East Contest Club	2,803,250	23
Big Sky Contesters	2,629,344	8
Western Washington DX Club	2,362,630	19
Orca DX and Contest Club	2,228,752	10
Willamette Valley DX Club	2,189,300	15
Saskatchewan Contest Club	2,150,494	5
Grand Mesa Contesters of Colorado	1,984,032	23
The Villages Amateur Radio Club	1,806,206	14
Hudson Valley Contesters and DXers	1,737,142	16

Deep Dixie Contest Club	1,698,294	4
Carolina DX Association	1,634,684	13
Swamp Fox Contest Group	1,631,206	16
DFW Contest Group	1,599,624	23
Texas DX Society	1,584,804	10
Northeast Maryland Amateur Radio Contest Society	1,563,056	15
Order of Boiled Owls of New York	1,298,772	6
Heartland DX Association	1,291,498	7
Niagara Frontier Radiosport	1,245,704	11
Radiosport Manitoba	993,588	6
599 DX Association	965,406	3
Great Places Contest Club	840,204	6
North Coast Contesters	790,248	7
Arkansas DX Assn	718,004	7
Maritime Contest Club	607,812	3
Rochester (NY) DX Assn	565,276	8
Driftless Zone Contesters	564,984	12
Bay Area DXers	529,288	4
Oklahoma DX Assn	448,150	4
Spokane DX Association	429,344	6
Idaho Mountain Amateur Radio Society	288,062	3
South Jersey Radio Assn	287,016	6
Mississippi Valley DX/Contest Club	240,486	3
Oklahoma City Autopatch Association	215,502	6
Portage County Amateur Radio Service	191,318	6
Skyview Radio Society	190,896	4
New Providence ARC	176,020	4
Delara Contest Team	173,672	3
Pacific Northwest VHF Society	156,744	4
Mother Lode DX/Contest Club	88,684	3
Port Lavaca Amateur Radio Club	38,984	3
American Red Cross Emergency Communications Service	26,306	4
Warren County Radio Club	19,952	3
Sierra Nevada ARS	16,816	3
Phil-Mont Mobile Radio Club	3,860	4

Local Category

Central Virginia Contest Club	2,373,654	9
Iowa DX and Contest Club	822,936	3
Hampden County Radio Association	648,546	5
CTRI Contest Group	482,474	8
Bristol (TN) ARC	319,852	6
Hilltop Transmitting Assn	215,526	5
Boulder Amateur Radio Club	190,266	5

Meriden ARC	152,860	4
Alexandria Radio Club	59,554	3
Fort Myers ARC	57,772	6
Lake Area Amateur Radio Klub	53,584	3
Athens County ARA	46,364	4
Silver Comet Amateur Radio Society	31,408	4
Hughes Amateur Radio Club	10,442	3
Gloucester Co ARC	8,444	3

Competition Highlights

United States

There were great scores across the 50 US states, with 34 of the single operator stations scoring more than one million points. Compare that to last year, when the highest single operator score from a US state was 688,984. And amongst the DX entries, 12 single operator stations were over one million points. Last year, the highest single operator score was 915,560.

This year, N8OO piloted his Louisiana station in the Single Operator Unlimited, Mixed Mode, High Power category to score 2,767,784 points (3,179 QSOs, 277 multipliers), running away with the win and setting a new category win for W/VE/XE stations. In the Single Operator, Mixed Mode, High Power category, KI6RRN at WA6TQT (signing NO6T) in Orange Section in California, won with 1,995,528 points (3,448 QSOs, 201 multipliers). WB9Z in Illinois was close behind in second place, with almost 900 fewer contacts, but 48 more multipliers. N8II in West Virginia won the Single Operator, Mixed Mode, Low Power category with 957,150 points, and K9OM in North Florida won the Single Operator Unlimited, Mixed Mode, Low Power category with 841,960 points.

One of the closest categories was Single Operator, CW Only, High Power, with a tight race between NN7CW in North Florida and K5PI in Texas. Although Wolfgang at NN7CW made 19 fewer contacts, he had five more multipliers, which gave him 1,156,828 points, putting him just ahead of K5PI. The Single Operator Unlimited, CW Only, High Power category was almost as close with, N2NL, also in North Florida, taking in 2,282 QSOs and 159 multipliers for 1,439,268 points, ahead of W1KM in Eastern Massachusetts, who had only one multiplier less, but 144 fewer QSOs. In the Single Operator, CW Only, Low Power category, N1TO had 463,360 points to win, and in the assisted version of that category, AH6KO in Hawaii had 686,208 points, and K7SV in Virginia was not far behind with 640,640 points.

In the Single Operator, Phone Only, High Power category, WU2X made 2,365 contacts (and 142 multipliers) to win the category from Eastern New York. WM5R (at K5TR) in South Texas had 134 more contacts, but 12 fewer multipliers, and took second place. K3EST in East Bay section of California had 592,832 points to win the Single Operator Unlimited, Phone Only, High Power category. In the single operator, low power competitions, WZ8T in Western Washington scored 138,040 points to win the unassisted category, while K2DRH made 233,264 to win the unlimited category from Illinois.

It was a good year for QRP, with lots of participation and great scores. NDØC in Minnesota made 353 contacts to win the Single Operator, Mixed Mode, QRP category with 134,820 points. And W1WBB in Rhode Island topped the Single Operator Unlimited, Mixed Mode, QRP category with 227,406 points. WE6EZ from South Texas won the Single Operator, Phone Only, QRP category (31,122 points) and K3TW in North Florida was first in the Single Operator Unlimited, Phone Only, QRP category. The most popular QRP category was Single Operator, CW Only, with 58 entries from the US, and W6JTI in San Francisco section ran away with the win, with 514 contacts and 162,108 points. And W1FJ in Eastern Massachusetts had 129,744 points to win the Single Operator Unlimited, CW Only, QRP category.

There was intense competition for the top spot in the two US Multioperator (single transmitter) categories. After logchecking was complete, the team at NX5M in South Texas came out on top with 2,564 QSOs, 298 multipliers, and 2,350,624 points, just edging K1LZ's remote station in Maine by 14,944 points. And although both teams had very low error rates, the top two spots reversed after logchecking. The teams at WA1T in Maine and N4RV in Virginia also topped two million points. In the low power category, the two-person team at KT4XA (NV4B and K4CNY) in Alabama used 100W and a half-wave vertical at 60 feet to score 803,656 points, beating the K3AJ team in MDC.

Canada and Mexico

With the southernmost point of Canada being at 41.7 degrees north latitude, Canadian competitors may have had shorter 10 Meter openings, but they made the most of it. VE6GK in Alberta pointed out that "ARRL 10-Meter contests are the only time I get to be the guy everybody is calling in a pile up." VE5MX used his well-equipped station in Saskatchewan to score 1,574,120 to win the Single Operator Unlimited, Mixed Mode, High Power category. And VE3AT in the GTA section won the Single Operator, Mixed Mode, High Power category with 1,438,184 points. VE3EJ, also in GTA, scored 891,696

points to win the Single Operator, CW Only, High Power category.

This year there were 29 entries from Mexico, representing 15 different multipliers. XE1CT cruised to victory in the Single Operator, CW Only, High Power category, with 1,374 contacts and 107 multipliers. And in the Single Operator, Phone Only, Low Power category, XE2JS made a very tidy 1,447 contacts to score 248,646 and win the category. Julian's score was good for third world-wide.

DX

Alex LU5WW turned in another top performance using the LU8DPM station to win the Single Operator, Mixed Mode, High Power category for the third year in a row with 2,494,488 points. He was well ahead of his competition. But the 2002 record by N6TJ at ZD8Z (4,733,880 points) remains safe. CO8NMN won the Single Operator, Mixed Mode, Low Power category for DX with 509,952 points. In the assisted categories, two Spaniards took top spots. EA7X won the Single Operator Unlimited, Mixed Mode, High Power category (1,459,172 points), and EA4AOC at ED1R scored 800,932 points to win the Single Operator Unlimited, Mixed Mode, Low Power category.

EB7DX was remote at KP2B, and he topped the Single Operator, Phone Only, High Power category with 3,448 contacts and 137 multipliers (939,272 points). And in the corresponding Low Power category, PY2UD reached 443,808 points to win. TI5CDA, at the TI1K station, set a new DX record with 819,966 points in the category of Single Operator Unlimited, Phone Only, High Power, with 2,805 QSOs and 147 multipliers. PY2HT made 200,500 points to win Phone (Unlimited), Low Power.

In the Single Operator, CW Only, High Power category, six continents were represented in the top ten. KT3Y at KP2M and LU8MHL at LT6M battled it out for first place, with KP2M (KT3Y) taking top honors, with 1,012,444 points. In the Single Operator, CW Only, Low Power category, seven of the top ten finishers were in North or South America. IZ3EYZ operating remotely as KP4/KO1A beat HI3MM with 751,920 points for first place. OM3GI operating as CT9ABO ran well ahead of his competition in the Single Operator Unlimited, CW Only, High Power category, with 2,767 QSOs, 169 multipliers, and a total of 1,858,324 points, setting a DX record in the process. In the Single Operator Unlimited, CW Only, Low Power category, HK1N took the top spot with 480,900 points, with RN3QO at P3AA in second place.

There were numerous excellent QRP results, from all over the world. The standout score was PY2NY's 338,424

points to top the Single Operator, Mixed Mode, QRP category. PA2TMS, operating from his station on Texel Island at 53.1 degrees north latitude, took the top honors in Single Operator, Phone Only, QRP, with 49,392 points. And JQ1NGT won the Single Operator, CW Only, QRP category, making 291 contacts and finishing with 71,004 points. In the assisted categories, JK1TCV topped the Single Operator Unlimited, Mixed Mode, QRP category (31,248 points) and PY2BN won the Single Operator Unlimited, Phone Only, QRP category (26,268 points). EA3O amassed 432 contacts and 109 multipliers to finish with 187,916 points.

Many of the top multi-op stations put in serious efforts during the 2022 10M contest, although here clearly a South American location was advantageous. The four-person team at FY5KE set a new overall record for Multioperator, High Power, with a stunning 4,616,488 points (4,106 QSOs). Amongst all the other things they did right (including a very low error percentage, losing credit for only a single of their 4,132 claimed QSOs due to exchange error), they balanced CW and Phone impeccably, and found 347 multipliers – no other single- or multi-op station had more than 300 multipliers. The next three finishers were also from the Americas, and turned in impressive scores: LP1H (2,989,994 points), ZF1A (2,624,856 points), and CX5A (2,191,704 points). And TM6M was the top European finishers, taking fifth world-wide.

A team of Georgia (US) based operators used PJ4LL remotely to amass 1,482,096 points to win the Multioperator, Low Power category. Eight of the top ten finishers were in South America or the Caribbean, but EI1E and BY4XZ took eight and ninth respectively.

Continental Highlights

For North American entries, there does not appear to have been any obvious pattern of geographical advantage between Central America and the Caribbean. There were many top scores from the northern part of the Caribbean, but this reflects activity more so than propagation advantage, given TI1K's record score from Costa Rica. And a scan of the North American continent winners across all twenty categories confirms there are winners from multiple locations. The top North American DX score was the remote three-person effort (High Power) at ZF1A by K7ZO, NN1C and W9KKN, resulting in 3,133 QSOs, 282 multipliers and 2,624,856 points.

There were 341 entries total from South America, with the bulk from Brazil (235). The outstanding scores by LU5WW and the team at FY5KE has already been mentioned. Most of the other category winners were from

Brazil. It appears that from many locations in South America, 10M was open to somewhere in the world for all but thirteen hours of the 48-hour contest.

There were 1,662 logs submitted from across Europe. There was propagation to North America both days from all parts of Europe, although the conditions were reported to have been better on Saturday. A more southern location was advantageous, with numerous categories being won by stations in and around the Mediterranean, although in addition to PA2TMS's world-wide winning QRP score, SN2M topped other Europeans in the Single Operator Unlimited, Phone Only, High Power and Laci, OM2VL, was the first Europeans in the Single Operator, CW Only, High Power category (third amongst all DX stations).

While there were a modest number of entries from Africa (30 total), those stations made the most of their geography and the good conditions. The 14 entries from one of the Atlantic islands did well of course, including OM3GI's operation at CT9ABO, and CT3KN was the top Africa finisher in the Single Operator, Mixed Mode, High Power category. V51WH (as V55Y) was back this year in the Single Operator Unlimited, Phone Only, High Power category, this time with a score of 531,930, a factor of ten higher than last year. Competing in the same category from an island in the Indian Ocean, FR4QT had almost the same number of QSOs (but fewer multipliers), to score a very impressive 448,240 points. 5Z4VJ netted 620,540 points in Single Operator, CW Only, High Power, as the top Africa scorer in that category, taking fourth world-wide.

Amassing W/VE/XE multipliers from Asia was a special challenge on 10M, but that did seem to hinder interest and enthusiasm, with 568 entries from Asian DX entities. Not surprisingly, there were top performances from stations on both ends of the Silk Road (Cyprus and Japan), although the stations in Cyprus had short openings only to the West Coast of North America, and even mid-level stations on the East Coast of North America had trouble working Japan. Perhaps the most interesting results are from the central part of the continent. 9N7AA (S53R, op), competing in the Mixed Mode, High Power category, made 1,795 contacts, but only found one W/VE/XE multiplier (Hawaii on CW), and worked just a single North American station (KP4/KO1A, CW, at 0412Z on Saturday). But even with these limitations, Robert finished fourth world-wide, the top Asian competitor.

Oceania turned in 141 logs, with great activity from Indonesia (68 logs) and Australia (34). In general, the South Pacific was a good place to be for propagation into North America and Europe, although as VK2IG pointed out "propagation within EU and NA sounded 'a bit too

good' as I could hear stations over there working each other but they couldn't hear me over their local QRM.” Top results were VK4SN (644,496 points) in the Single Operator Unlimited, CW Only, High Power category, and FK8IK's unassisted CW, High power entry, with 406,368 for top Oceania finisher (and sixth amongst all DX stations).

Top Ten Scores

United States

Single Operator, Mixed Mode, High Power

NO6T (KI6RRN, op @WA6TQT)	1,995,528
WB9Z	1,795,290
ND7K (W4IX, op @N6WIN)	1,646,568
N4OX	1,561,722
K3ZO	1,305,870
KH7Q (N6TJ, op)	1,220,760
KH6TU (AD6E, op)	1,188,768
KU1CW	1,153,880
K6XX	1,013,906
KTØK	976,472

Single Operator, Mixed Mode, Low Power

N8II	957,150
WQ5L	851,466
K2PS	555,046
N4OO	405,440
NIØG	207,090
KFØUR	197,976
WØIZ	191,016
N6GP	180,084
WA5SOG	171,836
WAØI	170,808

Single Operator, Mixed Mode, QRP

NDØC	134,820
K2GMY	64,152
K7FR	58,824
AA5KD	52,578
WB2AMU	32,368
WA6FGV	27,060
WU2M	26,784
WA5DSS	17,150
K3HW	16,638
W5ESE	14,276

Single Operator, Phone Only, High Power

WU2X	663,992
K5TR (WM5R, op)	644,020
W4DD	445,952
KU2M	405,246
N1PGA	362,440
AF1T	342,108
KT4Q	298,496

KØJU	286,880
N8RA	268,250
W7BJN	267,120

Single Operator, Phone Only, Low Power

WZ8T	138,040
WD4PTJ	106,506
K4TMC	104,280
N6OKU	88,724
NØEX	81,404
KS2G	64,944
NN4DX	63,368
N5YIZ	58,896
W2ODH	58,212
N9ARX	52,416

Single Operator, Phone Only, QRP

WE6EZ	31,122
W6QU (W8QZA, op)	17,270
KS4GW	14,000
KEØWPA	11,040
AB1YW	9,516
WWØWB	6,864
NT7S	6,800
KDØFDJ	4,900
N1GZZ	4,488
K9JK	2,226

Single Operator, CW Only, High Power

NN7CW	1,156,828
K5PI	1,121,472
N4OGW	1,100,944
K2SSS	1,014,156
NA8V	903,280
WØUA	898,048
W9RE	853,980
AB3CX	852,796
K4BAI	741,472
WJ9B	732,204

Single Operator, CW Only, Low Power

N1TO	463,360
K1TR	410,960
N7VM	385,536
N4IJ	380,256
K1VUT	372,552
K1XM	301,968
AJ4F	286,704

N7YK	266,240
N5EE	244,216
NØUR	242,112

Single Operator, CW Only, QRP

W6JTI	162,108
WB2CPU	80,688
W1IG	74,700
K2YAZ	70,484
N8AP	70,372
N7RCS	66,600
NQ2W	56,608
NH6O	45,140
W7USA	41,724
K2YG	39,936

Single Operator Unlimited, Mixed Mode, High Power

N8OO	2,767,784
K4AB	1,981,100
K3WW	1,748,772
K3MM	1,614,626
K3PA	1,511,950
K6LL	1,391,040
W6YX (N7MH, op)	1,378,944
WC6H	1,337,770
NT6X	1,289,196
K3RA	1,245,024

Single Operator Unlimited, Mixed Mode, Low Power

K9OM	841,960
KH7M (KH6ZM, op)	718,200
W1TJL	541,780
N5JJ	516,496
W4RN	482,570
NS3T	323,400
KE3K	301,464
KE4Q	240,726
K9KE	238,102
KØKX	223,872

Single Operator Unlimited, Mixed Mode, QRP

W1WBB	227,406
AC5O	129,328
K6GHA	68,760
WN6W	58,374
W8NGA	57,672
K8ZT	33,864
WMØG	25,132
KEØZ	21,824

KA7T	18,236
WQ6X	17,544

Single Operator Unlimited, Phone Only, High Power

K3EST	592,832
W5PR	440,766
WV4P	381,238
W1DED	308,524
NF3R	261,598
K9MU	257,928
N7MGW	257,796
N6AQ	251,812
KA2K	249,228
AI4MD	243,036

Single Operator Unlimited, Phone Only, Low Power

K2DRH	233,264
NN4TT	139,948
K9UC	65,660
NA1E	43,766
W7BOB	40,592
KØTJT	39,330
W9JA	36,084
KD2JOE	31,228
N2ESP	29,726
N1FTP	28,576

Single Operator Unlimited, Phone Only, QRP

K3TW	16,530
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Single Operator Unlimited, CW Only, High Power

N2NL	1,439,268
W1KM	1,334,152
K9CT	1,253,640
N3RS	1,230,080
AA3B	1,190,400
KV2K (K2NG, op)	1,027,140
W6NV	948,192
W4WF (@N4WW)	945,864
N5XZ	935,952
K3JO (NA1NA, op)	931,392

Single Operator Unlimited, CW Only, Low Power

AH6KO	686,208
K7SV	640,640
WO4O	548,928
KG9X	504,444

K6WSC	330,848
N2YO	320,352
WT9Q	314,796
KS1J	299,136
WA1FCN	277,160
W2UP	199,716

Single Operator Unlimited, CW Only, QRP

W1FJ	129,744
KKØU	64,740
WE9R	52,008
K4DZR	49,140
WC7S	38,400
KS4YX	23,520
KU4A	16,968
NG2J	16,856
W7RY	15,680
W5GAI	8,360

Multioperator, Single Transmitter, High Power

NX5M	2,350,624
K1LZ	2,335,680
WA1T	2,085,810
N4RV	2,005,540
N4SS	1,797,120
K5ZD	1,625,792
NA2U	1,576,064
N7AT	1,317,420
KU9R	932,280
NR7T	885,856

Multioperator, Single Transmitter, Low Power

KT4XA	803,656
K3AJ	751,050
AA2A	746,618
N4SVC	716,560
WA1F	451,332
NX6T	406,464
K6EI	290,592
W7TVC	285,660
W4TG	170,506
K7NXL	135,756

Canada

Single Operator, Mixed Mode, High Power

VE3AT	1,438,184
VE3SST	29,280
VE5CPU	3,762

Single Operator, Mixed Mode, Low Power

VE5SF	332,232
VE6TN	278,528
VE5ZX	135,600
VA3OKG	120,060
VY2LI	107,868
VA6BGE	78,840
VE3OIL	77,616
VE7CV	63,358
VE3FH	46,800
VE3TG	46,488

Single Operator, Mixed Mode, QRP

VE2ZAZ	61,476
VY2DP	10,224

Single Operator, Phone Only, High Power

VO1KVT	123,826
VE4IM	33,912
VE3GYL	11,616
VA2OBW	4,928
VE7BNR	462
VE2GT	8

Single Operator, Phone Only, Low Power

VA3GKO	22,800
VA4HZ	21,942
VE2HIT	15,392
VE7GDE	14,852
VE3RVZ	14,560
VE6CLG	13,640
VA3WEB	13,260
VE3IDT	12,402
VE1CHL	12,036
VA3RTG	11,270

Single Operator, CW Only, High Power

VE3EY	558,420
VE6BBP	512,996
VE9AA	456,300
VA3AR	375,060

VE3VN	344,624	VE9WH	10,560
VE4EA	333,312		
VA7MM	204,768	Single Operator Unlimited, Phone Only, High Power	
VA7MG	76,720	VE6AO (VE6TC, op)	156,914
VE7JKZ	68,808	VE3LRL	54,060
VA3SB	33,488	VE7DX	32,332
		VA3WW	29,304
Single Operator, CW Only, Low Power		VA7XH	20,296
VE1ZA	277,808	VE3MZD	3,854
VA7ST	205,200		
VY2OX	161,304	Single Operator Unlimited, Phone Only, Low Power	
VE5GC	138,296	VE3RGO	37,392
VE3TM	117,936	VA3IDD	29,960
VA6WWW	104,252	VE3BFU	23,808
VA3FN	62,660	VE6CSX	7,956
VE9KK	62,100	VA3UG	3,380
VE3VSM	44,688	VE4WSC (VE4DL, op)	528
VE3EUS	36,200		
		Single Operator Unlimited, CW Only, High Power	
Single Operator, CW Only, QRP		VE3EJ	891,696
VE3KJQ	3,312	VE6WQ	577,064
VE3GMZ	2,964	VE3CT	529,788
VE4AKF	1,776	VE3NZ	455,648
VE3DQN	1,584	VO1HP	296,060
VE3EDX	616	VE2FK	260,736
		VA2CZ	260,604
Single Operator Unlimited, Mixed Mode, High Power		VE3RZ	260,304
VE5MX	1,574,120	VE3NRT	246,792
VA3DF	914,352	VE3JM	225,960
VE7NY	878,274		
VA7DX	750,656	Single Operator Unlimited, CW Only, Low Power	
VE6UM	611,196	VE3CX	173,040
VE4GV	320,320	VE5UF	163,212
VE4VT	283,946	VE3MV	140,832
VA1MM	218,500	VE9VIC	115,624
VA2AM	203,904	VA7RY	29,140
VO1CH	164,304	VA3TMV	11,520
Single Operator Unlimited, Mixed Mode, Low Power		Single Operator Unlimited, CW Only, QRP	
VE3PJ	169,960	VE6EX	10,208
VE3MGY	143,780		
VE5UO	103,700	Multioperator, Single Transmitter, Low Power	
VE7AX	64,064	VE9ML	39,788
VA7OO	59,020	VE3LON	17,700
VA3PAF	14,700		
VE3SMA	14,632		
VE3QN	13,158		
VE3FZ	10,980		

Mexico

Single Operator, Mixed Mode, Low Power

XE2NK	23,112
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Single Operator, Phone Only, High Power

XE1CKJ	168,130
XE1EX	34,916
XE1SPM	12,024

Single Operator, Phone Only, Low Power

XE2JS	248,646
XE1ZTW	177,444
XE1GLA	31,304
XE1AQY	29,862
XE2OK	28,600
XE2YWB	9,272
XE2N	6,708
6D5C (XE1H, op)	5,022
XE2KSL	1,820
XE1AHP	352

Single Operator, CW Only, High Power

XE1CT	578,656
XE2S	101,400
XE2X	24,596

Single Operator, CW Only, Low Power

XE2HQI	172,776
XE1RE	41,032
XE2AU	10,608
XE1O	3,224
XE1SVT	64
XE1AY	0

Single Operator Unlimited, Mixed Mode, Low Power

XE1HG	134,724
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Single Operator Unlimited, Phone Only, High Power

XE2IC	28,090
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Single Operator Unlimited, CW Only, Low Power

XE2T	5,280
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DX

Single Operator, Mixed Mode, High Power

LU8DPM (LU5WW, op)	2,494,488
CT3KN	1,542,796
EB5A	1,129,886
9N7AA (S53R, op)	844,590
GM5X (GM4YXI, op)	819,306
ZD7BG	731,120
JF2QNM	591,360
S57C	591,108
PA4VHF	586,872
ZZ5K (PP5RT, op)	584,370

Single Operator, Mixed Mode, Low Power

CO8NMN	509,952
PY3TD	309,000
JA1BJI	288,804
WP3R	253,724
EA8BQM	237,448
JH7QXJ	215,232
EA4HKF	205,062
RA3Y	183,806
OL5Y	165,104
L5ØDY (LW3DG, op)	148,230

Single Operator, Mixed Mode, QRP

PY2NY	338,424
UA6AK	112,274
PU2TWZ	88,576
PY2PLL	78,440
UY5LW	57,794
CO6EC	43,092
JH7UJU	38,556
YV6BXN	35,000
EA2BO	23,520
JK2VOC	19,440

Single Operator, Phone Only, High Power

KP2B (EB7DX, op)	939,272
PX2A (PY2LED, op)	781,760
PV2G (PT2IC, op)	619,840
P4ØP (W5AJ, op)	430,528
CE6CGX	396,682
VK2GGC (VK2ZG, op)	351,780
TI1T (TI2CC, op)	337,946
CR6K (CT1CJJ, op)	299,974

CE4PS	293,632	J35X	213,600
PT4Z (PY4JW, op)	280,530	UA4Z	209,664
Single Operator, Phone Only, Low Power		Single Operator, CW Only, QRP	
PY2UD	443,808	JQ1NGT	71,004
V31MA	299,160	RX9CC	65,856
PY2CX	211,120	LZ2RS	65,136
TG9ANF	166,058	BG7SSK	58,724
LT7F (LU6FOV, op)	162,108	US5VX	55,752
WP4RF	147,752	PY2CER	40,640
PU2SDX	140,580	OM7PY	35,840
CX1T	117,520	JR1NKN	30,240
PP5ZAA	102,238	HA3HX	29,744
PU2WDX	96,534	DK7HA	28,152
Single Operator, Phone Only, QRP		Single Operator Unlimited, Mixed Mode, High Power	
PA2TMS	49,392	EA7X	1,459,172
TI2YO	27,160	NP2X	1,331,806
LU1XMO	7,760	PY5AMF	1,279,680
DL/UT1AN	7,700	DL6FBL	1,218,978
ZY6G (PY6GOE, op)	5,828	DL2ARD	1,161,316
JA2MWV	4,672	EA8DIG	1,004,406
MI7DGO	3,696	UA4M (UA4LCH, op)	817,380
CE3RIF	3,132	OH1F (OH1TM, op)	771,552
DK1RS	2,700	F5NBX	766,690
EA3F	2,520	RW1A	729,492
Single Operator, CW Only, High Power		Single Operator Unlimited, Mixed Mode, Low Power	
KP2M (KT3Y, op)	1,012,444	ED1R (EA4AOC, op)	800,932
LT6M (LU8MHL, op)	947,200	EA6SX	753,880
OM2VL	659,736	XQ3WD	666,196
5Z4VJ	620,540	PY2RSA	513,128
YL2SM	440,924	HGØR (HAØNAR, op)	317,544
FK8IK	406,368	PY4LH	300,128
EA5EL	377,784	RV9UP	288,066
Z35T	374,832	SP9XCN	272,688
JF1SQC	358,560	UP7L (UN6LN, op)	253,000
GM5WS (GM3WUX, op)	320,728	9A2EU	215,712
Single Operator, CW Only, Low Power		Single Operator Unlimited, Mixed Mode, QRP	
KP4/KO1A (IZ3EYZ, op)	751,920	JK1TCV	31,248
HI3AA	618,792	PU2MLO	24,940
CX2AQ	451,720	UW8SM	24,852
AZ1A (LU1AW, op)	335,580	YT1BD	14,440
V26OC	310,488	YBØNSI	3,528
JA6GCE	292,928	LZ2AF	3,480
YT9W	253,624	9A7RA	1,936
4U1UN (KO8SCA, op)	214,320	YD9UW	1,710

EW1FM	658
DDØVS	80

Single Operator Unlimited, Phone Only, High Power

TI1K (TI5CDA, op)	819,966
PP5JR	718,308
PJ4DX	654,336
V55Y (V51WH, op)	531,930
FR4QT	448,240
PV2K	443,722
VR2XAN	383,900
SN2M	352,640
EA8AM	287,082
F4GGQ	276,906

Single Operator Unlimited, Phone Only, Low Power

PY2HT	200,500
PP5KW	152,654
SV2AEL	152,460
YV5RAB (YY5RAB, op)	147,600
PY2VZ	111,100
PP5DZ	106,256
MW8R (GW4SHF, op)	105,252
PY2CPS	95,472
PU1JSV	92,432
TI2WMP	80,510

Single Operator Unlimited, Phone Only, QRP

PY2BN	26,268
I4MFA	14,896
PY2CP	11,440

Single Operator Unlimited, CW Only, High Power

CT9ABO (OM3GI, op)	1,858,324
9A5Y (9A7DX, op)	1,041,336
9A1P	936,768
HA3NU	856,220
CB3R (XQ3SK, op)	745,740
IK2PFL	714,240
HA3LN	692,040
9A5D (9A3ID, op)	652,548
VK4SN	644,496
P3X (5B4AMM, op)	640,000

Single Operator Unlimited, CW Only, Low Power

HK1N	480,900
P3AA (RN3QO, op)	386,628
PY1DX	384,252

KP4/K2IN	383,600
MI5I (GIØRQK, op)	265,776
RW4W	230,076
PY4XX	208,384
JJ1LBJ	202,536
PA4O	197,448
CT1DRB	183,768

Single Operator Unlimited, CW Only, QRP

EA3O	187,916
LT7D	138,320
JK7DWD	36,600
SD6F (SM6JWR, op)	25,200
PAØRDT	23,564
UD2F	23,408
DL1DXA	19,012
G4KRJ	15,696
PE2K	11,480
DL1EFW	8,448

Multioperator, Single Transmitter, High Power

FY5KE	4,616,488
LP1H	2,989,994
ZF1A	2,624,856
CX5A	2,191,704
TM6M	2,137,852
ZF5T	2,071,854
PJ2T	1,848,740
E7DX	1,715,688
EI7M	1,577,136
LW8DQ	1,413,258

Multioperator, Single Transmitter, Low Power

PJ4LL	1,482,096
CW3A	1,122,264
LS2D	1,009,856
PR1T	616,704
TO5T	407,490
ZW8T	356,928
PR2D	296,808
EI1E	189,540
BY4XZ	128,238
CR6S	122,148

Continental Winners

Africa

Single Operator, Mixed Mode, High Power	CT3KN	1,542,796
Single Operator, Mixed Mode, Low Power	EA8BQM	237,448
Single Operator, Phone Only, High Power	ZS2ABE	7,900
Single Operator, Phone Only, Low Power	D44PM	91,728
Single Operator, CW Only, High Power	5Z4VJ	620,540
Single Operator, CW Only, Low Power	EA8OM	142,200
Single Operator Unlimited, Mixed Mode, High Power	EA8DIG	1,004,406
Single Operator Unlimited, Phone Only, High Power	V55Y (V51WH, op)	531,930
Single Operator Unlimited, Phone Only, Low Power	EC8AQQ	46,200
Single Operator Unlimited, CW Only, High Power	CT9ABO (OM3GI, op)	1,858,324
Multioperator, Single Transmitter, High Power	ZR2X	19,760
Multioperator, Single Transmitter, Low Power	ZS1CRG	578

Asia

Single Operator, Mixed Mode, High Power	9N7AA (S53R, op)	844,590
Single Operator, Mixed Mode, Low Power	JA1BJI	288,804
Single Operator, Mixed Mode, QRP	JH7UJU	38,556
Single Operator, Phone Only, High Power	C4W	167,376
Single Operator, Phone Only, Low Power	UA9R	27,560
Single Operator, Phone Only, QRP	JA2MWV	4,672
Single Operator, CW Only, High Power	JF1SQC	358,560
Single Operator, CW Only, Low Power	JA6GCE	292,928
Single Operator, CW Only, QRP	JQ1NGT	71,004
Single Operator Unlimited, Mixed Mode, High Power	UPØL (UN9LW, op)	598,752

Single Operator Unlimited, Mixed Mode, Low Power	RV9UP	288,066
Single Operator Unlimited, Mixed Mode, QRP	JK1TCV	31,248
Single Operator Unlimited, Phone Only, High Power	VR2XAN	383,900
Single Operator Unlimited, Phone Only, Low Power	BU2EP	9,126
Single Operator Unlimited, CW Only, High Power	P3X (5B4AMM, op)	640,000
Single Operator Unlimited, CW Only, Low Power	P3AA (RN3QO, op)	386,628
Single Operator Unlimited, CW Only, QRP	JK7DWD	36,600
Multioperator, Single Transmitter, High Power	JG6YLY	236,872
Multioperator, Single Transmitter, Low Power	BY4XZ	128,238
Europe		
Single Operator, Mixed Mode, High Power	EB5A	1,129,886
Single Operator, Mixed Mode, Low Power	EA4HKF	205,062
Single Operator, Mixed Mode, QRP	UA6AK	112,274
Single Operator, Phone Only, High Power	CR6K (CT1CJJ, op)	299,974
Single Operator, Phone Only, Low Power	IK4RQJ	54,464
Single Operator, Phone Only, QRP	PA2TMS	49,392
Single Operator, CW Only, High Power	OM2VL	659,736
Single Operator, CW Only, Low Power	YT9W	253,624
Single Operator, CW Only, QRP	LZ2RS	65,136
Single Operator Unlimited, Mixed Mode, High Power	EA7X	1,459,172
Single Operator Unlimited, Mixed Mode, Low Power	ED1R (EA4AOC, op)	800,932
Single Operator Unlimited, Mixed Mode, QRP	UW8SM	24,852
Single Operator Unlimited, Phone Only, High Power	SN2M	352,640
Single Operator Unlimited, Phone Only, Low Power	SV2AEL	152,460
Single Operator Unlimited, Phone Only, QRP	I4MFA	14,896

Single Operator Unlimited, CW Only, High Power	9A5Y (9A7DX, op)	1,041,336
Single Operator Unlimited, CW Only, Low Power	MI5I (GIØRQK, op)	265,776
Single Operator Unlimited, CW Only, QRP	EA3O	187,916
Multioperator, Single Transmitter, High Power	TM6M	2,137,852
Multioperator, Single Transmitter, Low Power	EI1E	189,540

North America

Single Operator, Mixed Mode, High Power	HP1ELV	2,068
Single Operator, Mixed Mode, Low Power	CO8NMN	509,952
Single Operator, Mixed Mode, QRP	CO6EC	43,092
Single Operator, Phone Only, High Power	KP2B (EB7DX, op)	939,272
Single Operator, Phone Only, Low Power	V31MA	299,160
Single Operator, Phone Only, QRP	TI2YO	27,160
Single Operator, CW Only, High Power	KP2M (KT3Y, op)	1,012,444
Single Operator, CW Only, Low Power	KP4/KO1A (IZ3EYZ, op)	751,920
Single Operator Unlimited, Mixed Mode, High Power	NP2X	1,331,806
Single Operator Unlimited, Phone Only, High Power	TI1K (TI5CDA, op)	819,966
Single Operator Unlimited, Phone Only, Low Power	TI2WMP	80,510
Single Operator Unlimited, CW Only, High Power	KP4/NM2O	435,600
Single Operator Unlimited, CW Only, Low Power	KP4/K2IN	383,600
Single Operator Unlimited, CW Only, QRP	WP3E (KP3B, op)	440
Multioperator, Single Transmitter, High Power	ZF1A	2,624,856
Multioperator, Single Transmitter, Low Power	TO5T	407,490

Oceania

Single Operator, Mixed Mode, High Power	ZM1A (ZL3CW, op)	321,500
Single Operator, Mixed Mode, Low Power	4I1EBD	87,450
Single Operator, Phone Only, High Power		

Single Operator, Phone Only, Low Power		
Single Operator, Phone Only, QRP		
Single Operator, CW Only, High Power		
Single Operator, CW Only, Low Power		
Single Operator, CW Only, QRP		
Single Operator Unlimited, Mixed Mode, High Power		
Single Operator Unlimited, Mixed Mode, Low Power		
Single Operator Unlimited, Mixed Mode, QRP		
Single Operator Unlimited, Phone Only, High Power		
Single Operator Unlimited, Phone Only, Low Power		
Single Operator Unlimited, CW Only, High Power		
Single Operator Unlimited, CW Only, Low Power		
Multioperator, Single Transmitter, Low Power		

South America

Single Operator, Mixed Mode, High Power		
Single Operator, Mixed Mode, Low Power		
Single Operator, Mixed Mode, QRP		
Single Operator, Phone Only, High Power		
Single Operator, Phone Only, Low Power		
Single Operator, Phone Only, QRP		
Single Operator, CW Only, High Power		
Single Operator, CW Only, Low Power		
Single Operator, CW Only, QRP		
Single Operator Unlimited, Mixed Mode, High Power		
Single Operator Unlimited, Mixed Mode, Low Power		
Single Operator Unlimited, Mixed Mode, QRP		
Single Operator Unlimited, Phone Only, High Power		
Single Operator Unlimited, Phone Only, Low Power		
Single Operator Unlimited, Phone Only, QRP		
Single Operator Unlimited, CW Only, High Power		
Single Operator Unlimited, CW Only, Low Power		
Single Operator Unlimited, CW Only, QRP		
Multioperator, Single Transmitter, High Power		
Multioperator, Single Transmitter, Low Power		

VK2GGC (VK2ZG, op)	351,780
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Division Winners

Single Operator, Mixed Mode, High Power

Atlantic	K3ZO	1,305,870
Central	WB9Z	1,795,290
Dakota	KØTT	861,536
Delta	N5YT	881,238
Great Lakes	W4WKU	125,984
Hudson	W2XL	807,128
Midwest	KTØK	976,472
New England	W1XX	125,628
Northwestern	KU1CW	1,153,880
Pacific	KH7Q (N6TJ, op)	1,220,760
Roanoke	N4DJ	307,740
Rocky Mountain	WØETT	190,008
Southeastern	N4OX	1,561,722
	NO6T (KI6RRN, op	
Southwestern	@WA6TQT)	1,995,528
West Gulf	KD5QH V	52,154
Canada	VE3AT	1,438,184

Single Operator, Mixed Mode, Low Power

Atlantic	N1NQD	147,896
Central	W9MR	147,378
Dakota	KAØPQW	138,996
Delta	WQ5L	851,466
Great Lakes	N8CWU	152,492
Hudson	K2AL	73,260
Midwest	NIØG	207,090
New England	K1HC	122,682
Northwestern	WA8ZNC	81,900
Pacific	N6AJS	19,600
Roanoke	N8II	957,150
Rocky Mountain	KFØUR	197,976
Southeastern	K2PS	555,046
Southwestern	N6GP	180,084
West Gulf	N5CET	57,750
Canada	VE5SF	332,232
México	XE2NK	23,112

Single Operator, Mixed Mode, QRP

Atlantic	WU2M	26,784
Central	AF9J	10,614
Dakota	NDØC	134,820
Hudson	WB2AMU	32,368
Midwest	NØKIS	4,608
Northwestern	K7FR	58,824
Pacific	K2GMY	64,152
Roanoke	K2PI	10,764

Rocky Mountain	KIØG	3,840
Southwestern	WA6FGV	27,060
West Gulf	AA5KD	52,578
Canada	VE2ZAZ	61,476

Single Operator, Phone Only, High Power

Atlantic	W3PAW	118,352
Central	W9NY	196,976
Dakota	KØSIX	113,208
Delta	AJ6T	64,512
Great Lakes	K8DJR	63,504
Hudson	WU2X	663,992
Midwest	WBØYYE	53,196
New England	N1PGA	362,440
Northwestern	W7BJN	267,120
Pacific	KE8FT	141,764
Roanoke	KT4Q	298,496
Rocky Mountain	KØJU	286,880
Southeastern	W4DD	445,952
Southwestern	W6AFA	179,388
West Gulf	K5TR (WM5R, op)	644,020
Canada	VO1KVT	123,826
México	XE1CKJ	168,130

Single Operator, Phone Only, Low Power

Atlantic	N3DRK	14,112
Central	KC9JML	12,596
Dakota	NØEX	81,404
Delta	WD4PTJ	106,506
Great Lakes	KE8KT	31,680
Hudson	KS2G	64,944
Midwest	N9ARX	52,416
New England	WA1VKO	42,930
Northwestern	WZ8T	138,040
Pacific	N6PGQ	40,920
Roanoke	K4TMC	104,280
Rocky Mountain	KDØBSY	18,540
Southeastern	NN4DX	63,368
Southwestern	N6OKU	88,724
West Gulf	N5YIZ	58,896
Canada	VA3GKO	22,800
México	XE2JS	248,646

Single Operator, Phone Only, QRP

Atlantic	N8HM	630
Central	AB1YW	9,516
Dakota	KEØWPA	11,040
Delta	N3AWS	1,116

Great Lakes	KFØADW	288	México	XE2HQI	172,776
Midwest	W7UP	1,200			
New England	N1GZZ	4,488	Single Operator, CW Only, QRP		
Northwestern	NT7S	6,800	Atlantic	KC3NDU	38,744
Pacific	KF6ZYD	576	Central	WB9AYW	11,408
Roanoke	KD4VEU	784	Dakota	KEØTT	14,136
Rocky Mountain	WWØWB	6,864	Delta	WB4GHZ	17,280
Southeastern	KS4GW	14,000	Great Lakes	K2YAZ	70,484
Southwestern	W6QU (W8QZA, op)	17,270	Hudson	NQ2W	56,608
West Gulf	WE6EZ	31,122	Midwest	NØJK	20,988
Canada	VE3GJP	4,608	New England	WB2CPU	80,688
			Northwestern	W7Yaq	17,028
Single Operator, CW Only, High Power			Pacific	W6JTI	162,108
Atlantic	K2SSS	1,014,156	Roanoke	W1IE	6,960
Central	W9RE	853,980	Rocky Mountain	NO2D	7,168
Dakota	WDØT	598,628	Southeastern	N7RCS	66,600
Delta	N4OGW	1,100,944	Southwestern	W7USA	41,724
Great Lakes	NA8V	903,280	West Gulf	N5OE	19,360
Hudson	KR2Q	639,360	Canada	VE3KJQ	3,312
Midwest	WØFLS	136,800			
New England	K1RM	430,500	Single Operator Unlimited, Mixed Mode, High Power		
Northwestern	WJ9B	732,204	Atlantic	K3WW	1,748,772
Pacific	N6TV	612,560	Central	NE9U	910,564
Roanoke	N4XD	727,872	Dakota	KØMD	1,086,192
Rocky Mountain	WØUA	898,048	Delta	N8OO	2,767,784
Southeastern	NN7CW	1,156,828	Great Lakes	W8EH	280,260
Southwestern	W6PH	627,008		WA2CP (KC2GOW,	
West Gulf	K5PI	1,121,472	Hudson	op)	712,698
Canada	VE3EY	558,420	Midwest	K3PA	1,511,950
México	XE1CT	578,656	New England	K1JB	1,004,824
			Northwestern	KL7SB	1,146,960
Single Operator, CW Only, Low Power			Pacific	W6YX (N7MH, op)	1,378,944
Atlantic	K3MSB	163,904	Roanoke	N3UA	816,228
Central	K9WA	155,520	Rocky Mountain	NØKV	791,136
Dakota	NØUR	242,112	Southeastern	K4AB	1,981,100
Delta	N5EE	244,216	Southwestern	K6LL	1,391,040
Great Lakes	AA8CA	232,968	West Gulf	KG5VK	339,606
Hudson	W2AAB	115,184	Canada	VE5MX	1,574,120
Midwest	NØUI	69,296			
New England	K1TR	410,960	Single Operator Unlimited, Mixed Mode, Low Power		
Northwestern	K7NEW	184,368	Atlantic	NS3T	323,400
Pacific	N7YK	266,240	Central	K9KE	238,102
Roanoke	N4IJ	380,256	Dakota	KØKX	223,872
Rocky Mountain	KØXF	221,700	Delta	KS4X	127,200
Southeastern	N1TO	463,360	Great Lakes	KE3K	301,464
Southwestern	N7VM	385,536	Hudson	WR2G	52,954
West Gulf	AJ4F	286,704	Midwest	KØIL	39,420
Canada	VE1ZA	277,808	New England	W1TJL	541,780

Northwestern	KTØP	52,772	Pacific	NI6P	7,296
Pacific	KH7M (KH6ZM, op)	718,200	Roanoke	K4MVM	13,910
Roanoke	W4RN	482,570	Rocky Mountain	KC6R	12,690
Rocky Mountain	WA7YAZ	202,600	Southeastern	NN4TT	139,948
Southeastern	K9OM	841,960	Southwestern	K6JO	17,400
Southwestern	NØBK	66,144	West Gulf	KS5Z	27,100
West Gulf	N5JJ	516,496	Canada	VE3RGO	37,392
Canada	VE3PJ	169,960			
México	XE1HG	134,724			

Single Operator Unlimited, Mixed Mode, QRP

Atlantic	W3EK	9,976
Dakota	KEØZ	21,824
Delta	AC5O	129,328
Great Lakes	W8NGA	57,672
New England	W1WBB	227,406
Northwestern	WN6W	58,374
Pacific	K6GHA	68,760

Single Operator Unlimited, Phone Only, High Power

Atlantic	NF3R	261,598
Central	K9MU	257,928
Dakota	KØRJW	33,440
Delta	WV4P	381,238
Great Lakes	N8BI	129,498
Hudson	KE2DX	133,540
Midwest	KØARY	12,720
New England	W1DED	308,524
Northwestern	N7MGW	257,796
Pacific	K3EST	592,832
Roanoke	N6AQ	251,812
Rocky Mountain	WØLSD	100,812
Southeastern	K4KKC	220,218
Southwestern	KC1BB	130,548
West Gulf	W5PR	440,766
Canada	VE6AO (VE6TC, op)	156,914
México	XE2IC	28,090

Single Operator Unlimited, Phone Only, Low Power

Atlantic	KC3UDO	13,806
Central	K2DRH	233,264
Dakota	KØTJT	39,330
Delta	W4SDX	23,664
Great Lakes	KE8AME	13,420
Hudson	KD2JOE	31,228
Midwest	KF9MT	9,990
New England	NA1E	43,766
Northwestern	W7BOB	40,592

Single Operator Unlimited, Phone Only, QRP

Southeastern	K3TW	16,530
Canada	VE2ZWA	1,428

Single Operator Unlimited, CW Only, High Power

Atlantic	N3RS	1,230,080
Central	K9CT	1,253,640
Dakota	N7IV	354,752
Delta	AD4EB	856,660
Great Lakes	N4QS	582,080
Hudson	KV2K (K2NG, op)	1,027,140
Midwest	NSØR	384,680
New England	W1KM	1,334,152
Northwestern	K7RI (K7ZQ, op)	515,872
Pacific	W6NV	948,192
Roanoke	N1LN	607,992
Rocky Mountain	K1JD	168,640
Southeastern	N2NL	1,439,268
Southwestern	N6SS	772,072
West Gulf	N5XZ	935,952
Canada	VE3EJ	891,696

Single Operator Unlimited, CW Only, Low Power

Atlantic	W3KB	155,136
Central	KG9X	504,444
Dakota	KØTLG	312
Delta	K5TS	177,096
Great Lakes	K4YJ	196,092
Hudson	K2DFC	193,004
Midwest	NWØM	61,244
New England	KS1J	299,136
Northwestern	W7ZRC	146,240
Pacific	AH6KO	686,208
Roanoke	K7SV	640,640
Rocky Mountain	W2UP	199,716
Southeastern	WO4O	548,928
Southwestern	K6WSC	330,848
West Gulf	K5AX	194,436
Canada	VE3CX	173,040
México	XE2T	5,280

Single Operator Unlimited, CW Only, QRP

Atlantic	KW2A	2,160
Central	WE9R	52,008
Delta	K4DZR	49,140
Great Lakes	KU4A	16,968
Midwest	KKØU	64,740
New England	W1FJ	129,744
Roanoke	KS4YX	23,520
Rocky Mountain	WC7S	38,400
Southeastern	NG2J	16,856
West Gulf	WA5LHM	4,576
Canada	VE6EX	10,208

Multioperator, Single Transmitter, High Power

Atlantic	K3CCR	511,270
Central	KU9R	932,280
Dakota	AAØAW	234,864
Delta	W4IIC	13,860
Great Lakes	N4SS	1,797,120
Midwest	NØMA	204,196
New England	K1LZ	2,335,680
Northwestern	W7VJ	835,068
Pacific	W1RH	559,234
Roanoke	N4RV	2,005,540
Rocky Mountain	NR7T	885,856
Southeastern	AD4ES	770,640
Southwestern	NA2U	1,576,064
West Gulf	NX5M	2,350,624

Multioperator, Single Transmitter, Low Power

Atlantic	K3AJ	751,050
Dakota	W9FZ	38,350
Great Lakes	NV4H	131,208
Hudson	NJ1F	25,410
Midwest	KOØZ	21,360
New England	AA2A	746,618
Northwestern	W7TVC	285,660
Pacific	K6EI	290,592
Roanoke	W4TG	170,506
Rocky Mountain	K5LRW	21,122
Southeastern	KT4XA	803,656
Southwestern	NX6T	406,464
West Gulf	WA5PFJ	36,180
Canada	VE9ML	39,788

Region Leaders

West Coast Region

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

NO6T (KI6RRN, op @WA6TQT)	1,995,528	SO-MIX-HP
ND7K (W4IX, op @N6WIN)	1,646,568	SO-MIX-HP
KH7Q (N6TJ, op)	1,220,760	SO-MIX-HP
KH6TU (AD6E, op)	1,188,768	SO-MIX-HP
KU1CW	1,153,880	SO-MIX-HP

VE6TN	278,528	SO-MIX-LP
N6GP	180,084	SO-MIX-LP
N7NWL	92,516	SO-MIX-LP
WA8ZNC	81,900	SO-MIX-LP
VA6BGE	78,840	SO-MIX-LP

K2GMY	64,152	SO-MIX-QRP
K7FR	58,824	SO-MIX-QRP
WA6FGV	27,060	SO-MIX-QRP
N7AND	8,346	SO-MIX-QRP
N7JI	6,264	SO-MIX-QRP

W7BJN	267,120	SO-PH-HP
W6AFA	179,388	SO-PH-HP
KE8FT	141,764	SO-PH-HP
KE6GFI	132,640	SO-PH-HP
KK6PXT	109,624	SO-PH-HP

WZ8T	138,040	SO-PH-LP
N6OKU	88,724	SO-PH-LP
KK7AC	51,736	SO-PH-LP
N6PGQ	40,920	SO-PH-LP
N7HCJ	35,926	SO-PH-LP

W6QU (W8QZA, op)	17,270	SO-PH-QRP
NT7S	6,800	SO-PH-QRP
K7DK	1,710	SO-PH-QRP
KF6ZYD	576	SO-PH-QRP
KN6MGJ	420	SO-PH-QRP

WJ9B	732,204	SO-CW-HP
W6PH	627,008	SO-CW-HP
N6TV	612,560	SO-CW-HP
K7SS	571,428	SO-CW-HP
WØYK	529,600	SO-CW-HP

N7VM	385,536	SO-CW-LP
N7YK	266,240	SO-CW-LP
KH6CJJ	239,768	SO-CW-LP
VA7ST	205,200	SO-CW-LP
K7NEW	184,368	SO-CW-LP

W6JTI	162,108	SO-CW-QRP
NH6O	45,140	SO-CW-QRP
W7USA	41,724	SO-CW-QRP
K6RO	23,000	SO-CW-QRP
N6HI	19,728	SO-CW-QRP

K6LL	1,391,040	SOU-MIX-HP
W6YX (N7MH, op)	1,378,944	SOU-MIX-HP
WC6H	1,337,770	SOU-MIX-HP
NT6X	1,289,196	SOU-MIX-HP
N6WM	1,161,280	SOU-MIX-HP

KH7M (KH6ZM, op)	718,200	SOU-MIX-LP
K6T (WQ6X, op)	103,194	SOU-MIX-LP
NØBK	66,144	SOU-MIX-LP
W7TR (KH2TJ, op)	65,946	SOU-MIX-LP
VE7AX	64,064	SOU-MIX-LP

K6GHA	68,760	SOU-MIX-QRP
WN6W	58,374	SOU-MIX-QRP
KA7T	18,236	SOU-MIX-QRP
WQ6X	17,544	SOU-MIX-QRP

K3EST	592,832	SOU-PH-HP
N7MGW	257,796	SOU-PH-HP
VE6AO (VE6TC, op)	156,914	SOU-PH-HP
KC1BB	130,548	SOU-PH-HP
AA7VR	80,224	SOU-PH-HP

W7BOB	40,592	SOU-PH-LP
K6JO	17,400	SOU-PH-LP
K6PF	14,410	SOU-PH-LP
W7AWE	11,438	SOU-PH-LP
VE6CSX	7,956	SOU-PH-LP

W6NV	948,192	SOU-CW-HP
KH6LC	776,208	SOU-CW-HP
N6SS	772,072	SOU-CW-HP
N7KU (NJ6D, op)	716,420	SOU-CW-HP
VE6WQ	577,064	SOU-CW-HP

AH6KO	686,208	SOU-CW-LP
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K6WSC	330,848	SOU-CW-LP	W2ODH	58,212	SO-PH-LP
W7ZRC	146,240	SOU-CW-LP	N9ARX	52,416	SO-PH-LP
WAØWWW	121,776	SOU-CW-LP	WBØLQC	35,264	SO-PH-LP
NU7F	110,628	SOU-CW-LP			
VE6EX	10,208	SOU-CW-QRP	WE6EZ	31,122	SO-PH-QRP
			KEØWPA	11,040	SO-PH-QRP
			WWØWB	6,864	SO-PH-QRP
NA2U	1,576,064	MSHP	KDØFDJ	4,900	SO-PH-QRP
N7AT	1,317,420	MSHP	W7UP	1,200	SO-PH-QRP
W7VJ	835,068	MSHP			
W7MRF	699,516	MSHP	K5PI	1,121,472	SO-CW-HP
W1RH	559,234	MSHP	WØUA	898,048	SO-CW-HP
			WDØT	598,628	SO-CW-HP
NX6T	406,464	MSLP	N5AW	567,056	SO-CW-HP
K6EI	290,592	MSLP	NN7ZZ (N5LZ, op)	562,304	SO-CW-HP
W7TVC	285,660	MSLP			
K7NXL	135,756	MSLP	AJ4F	286,704	SO-CW-LP
W6DMW	16,280	MSLP	NØUR	242,112	SO-CW-LP
			KØXF	221,700	SO-CW-LP
			KG5U	161,792	SO-CW-LP
			WØTG	158,840	SO-CW-LP
Midwest Region					
(Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)					
KTØK	976,472	SO-MIX-HP	NØJK	20,988	SO-CW-QRP
KØTT	861,536	SO-MIX-HP	N5OE	19,360	SO-CW-QRP
N7WY	367,488	SO-MIX-HP	KEØTT	14,136	SO-CW-QRP
NYØV	259,200	SO-MIX-HP	NO2D	7,168	SO-CW-QRP
WØBH	219,840	SO-MIX-HP	NXØE	6,360	SO-CW-QRP
VE5SF	332,232	SO-MIX-LP	VE5MX	1,574,120	SOU-MIX-HP
NIØG	207,090	SO-MIX-LP	K3PA	1,511,950	SOU-MIX-HP
KFØUR	197,976	SO-MIX-LP	KØMD	1,086,192	SOU-MIX-HP
WØIZ	191,016	SO-MIX-LP	NØKV	791,136	SOU-MIX-HP
WAØI	170,808	SO-MIX-LP	WAØMHJ	670,592	SOU-MIX-HP
NDØC	134,820	SO-MIX-QRP	N5JJ	516,496	SOU-MIX-LP
AA5KD	52,578	SO-MIX-QRP	KØKX	223,872	SOU-MIX-LP
WA5DSS	17,150	SO-MIX-QRP	WA7YAZ	202,600	SOU-MIX-LP
W5ESE	14,276	SO-MIX-QRP	KØEA	147,510	SOU-MIX-LP
NØKIS	4,608	SO-MIX-QRP	VE5UO	103,700	SOU-MIX-LP
K5TR (WM5R, op)	644,020	SO-PH-HP	KEØZ	21,824	SOU-MIX-QRP
KØJU	286,880	SO-PH-HP			
KØSIX	113,208	SO-PH-HP	W5PR	440,766	SOU-PH-HP
K9MWM	72,726	SO-PH-HP	W5LO	195,444	SOU-PH-HP
WBØYYE	53,196	SO-PH-HP	WØLSO	100,812	SOU-PH-HP
			NT5V	92,046	SOU-PH-HP
NØEX	81,404	SO-PH-LP	K7WXB	80,712	SOU-PH-HP
N5YIZ	58,896	SO-PH-LP			

KØTJT	39,330	SOU-PH-LP	VA3OKG	120,060	SO-MIX-LP
KS5Z	27,100	SOU-PH-LP	VE3OIL	77,616	SO-MIX-LP
WA5WFE	14,012	SOU-PH-LP			
KC6R	12,690	SOU-PH-LP	AF9J	10,614	SO-MIX-QRP
KBØHP	11,934	SOU-PH-LP	W9JFK	2,556	SO-MIX-QRP
			WD9GYM	888	SO-MIX-QRP
N5XZ	935,952	SOU-CW-HP			
AD5A	743,432	SOU-CW-HP	W9NY	196,976	SO-PH-HP
N5RZ	576,924	SOU-CW-HP	K8DJR	63,504	SO-PH-HP
N5TJ	571,480	SOU-CW-HP	K9TI	26,000	SO-PH-HP
NSØR	384,680	SOU-CW-HP	N9RJM	20,460	SO-PH-HP
			KE8NBC	14,664	SO-PH-HP
W2UP	199,716	SOU-CW-LP			
K5AX	194,436	SOU-CW-LP	KE8KT	31,680	SO-PH-LP
VE5UF	163,212	SOU-CW-LP	VA3GKO	22,800	SO-PH-LP
NQ5M	95,760	SOU-CW-LP	K8TMK	21,060	SO-PH-LP
WA5LFD	95,700	SOU-CW-LP	N8XCC	17,380	SO-PH-LP
			N8WCP	17,136	SO-PH-LP
KKØU	64,740	SOU-CW-QRP			
WC7S	38,400	SOU-CW-QRP	AB1YW	9,516	SO-PH-QRP
W7RY	15,680	SOU-CW-QRP	VE3GJP	4,608	SO-PH-QRP
WA5LHM	4,576	SOU-CW-QRP	K9JK	2,226	SO-PH-QRP
			KFØADW	288	SO-PH-QRP
NX5M	2,350,624	MSHP			
NR7T	885,856	MSHP	NA8V	903,280	SO-CW-HP
AAØAW	234,864	MSHP	W9RE	853,980	SO-CW-HP
NØMA	204,196	MSHP	VE3EY	558,420	SO-CW-HP
KØWPM	17,052	MSHP	K9BGL	463,524	SO-CW-HP
			WA8Y	418,100	SO-CW-HP
W9FZ	38,350	MSLP			
WA5PFJ	36,180	MSLP	AA8CA	232,968	SO-CW-LP
KOØZ	21,360	MSLP	N8VW	165,152	SO-CW-LP
K5LRW	21,122	MSLP	K9WA	155,520	SO-CW-LP
W3XO	15,846	MSLP	WB8JUI	145,152	SO-CW-LP
			KB9S	128,656	SO-CW-LP
Central Region					
(Central and Great Lakes Divisions; Ontario East, Ontario North, Ontario South, and Greater Toronto Area Sections)					
WB9Z	1,795,290	SO-MIX-HP	K2YAZ	70,484	SO-CW-QRP
VE3AT	1,438,184	SO-MIX-HP	N8AP	70,372	SO-CW-QRP
KG9N	395,538	SO-MIX-HP	WD8RIF	14,440	SO-CW-QRP
N9DJ	304,304	SO-MIX-HP	WB9AYW	11,408	SO-CW-QRP
W9DZ	180,560	SO-MIX-HP	W1QC	8,760	SO-CW-QRP
N8CWU	152,492	SO-MIX-LP	VA3DF	914,352	SOU-MIX-HP
W9MR	147,378	SO-MIX-LP	NE9U	910,564	SOU-MIX-HP
W4IOD	121,968	SO-MIX-LP	K9NW	825,360	SOU-MIX-HP
			AJ9C	567,424	SOU-MIX-HP
			N2BJ	486,360	SOU-MIX-HP

KE3K	301,464	SOU-MIX-LP	Southeast Region		
K9KE	238,102	SOU-MIX-LP	(Delta, Roanoke and Southeastern Divisions)		
N8VV	202,064	SOU-MIX-LP	N4OX	1,561,722	SO-MIX-HP
VE3PJ	169,960	SOU-MIX-LP	N5YT	881,238	SO-MIX-HP
VE3MGY	143,780	SOU-MIX-LP	K4RO	662,320	SO-MIX-HP
			NU4Y	489,216	SO-MIX-HP
W8NGA	57,672	SOU-MIX-QRP	K5DB	463,644	SO-MIX-HP
K8ZT	33,864	SOU-MIX-QRP			
			N8II	957,150	SO-MIX-LP
K9MU	257,928	SOU-PH-HP	WQ5L	851,466	SO-MIX-LP
N8BI	129,498	SOU-PH-HP	K2PS	555,046	SO-MIX-LP
W9KEY	77,080	SOU-PH-HP	N4OO	405,440	SO-MIX-LP
N4SV	67,758	SOU-PH-HP	WA5SOG	171,836	SO-MIX-LP
VE3LRL	54,060	SOU-PH-HP			
			K2PI	10,764	SO-MIX-QRP
K2DRH	233,264	SOU-PH-LP	WO8L	6,864	SO-MIX-QRP
K9UC	65,660	SOU-PH-LP			
VE3RGO	37,392	SOU-PH-LP	W4DD	445,952	SO-PH-HP
W9JA	36,084	SOU-PH-LP	KT4Q	298,496	SO-PH-HP
VA3IDD	29,960	SOU-PH-LP	W9DC	77,082	SO-PH-HP
			AJ6T	64,512	SO-PH-HP
K9CT	1,253,640	SOU-CW-HP	WW5L	44,384	SO-PH-HP
VE3EJ	891,696	SOU-CW-HP			
N4QS	582,080	SOU-CW-HP	WD4PTJ	106,506	SO-PH-LP
KE4KY	536,760	SOU-CW-HP	K4TMC	104,280	SO-PH-LP
VE3CT	529,788	SOU-CW-HP	NN4DX	63,368	SO-PH-LP
			KO4PK	30,504	SO-PH-LP
KG9X	504,444	SOU-CW-LP	K1MWH	29,722	SO-PH-LP
WT9Q	314,796	SOU-CW-LP			
K4YJ	196,092	SOU-CW-LP	KS4GW	14,000	SO-PH-QRP
K9PW	173,280	SOU-CW-LP	N3AWS	1,116	SO-PH-QRP
VE3CX	173,040	SOU-CW-LP	KM4NNE	380	SO-PH-QRP
			KI4ASK	36	SO-PH-QRP
WE9R	52,008	SOU-CW-QRP			
KU4A	16,968	SOU-CW-QRP	NN7CW	1,156,828	SO-CW-HP
AB9BZ	3,200	SOU-CW-QRP	N4OGW	1,100,944	SO-CW-HP
			K4BAI	741,472	SO-CW-HP
N4SS	1,797,120	MSHP	N4XD	727,872	SO-CW-HP
KU9R	932,280	MSHP	KJ4QHL	494,160	SO-CW-HP
KM8Q	349,044	MSHP			
K4TG	223,480	MSHP	N1TO	463,360	SO-CW-LP
KE8PUB	616	MSHP	N4IJ	380,256	SO-CW-LP
			N5EE	244,216	SO-CW-LP
NV4H	131,208	MSLP	N4AO (WC4E, op)	232,824	SO-CW-LP
K8EEN	19,760	MSLP	K4EJ	201,592	SO-CW-LP
VE3LON	17,700	MSLP			
W8EDU	8,636	MSLP	N7RCS	66,600	SO-CW-QRP
			WB8PAF	32,028	SO-CW-QRP

N3HCN	24,000	SO-CW-QRP	WD4ETU	1,380	SOU-CW-QRP
K4PQC	20,988	SO-CW-QRP			
WB4GHZ	17,280	SO-CW-QRP	N4RV	2,005,540	MSHP
			AD4ES	770,640	MSHP
N8OO	2,767,784	SOU-MIX-HP	W4MYA	327,888	MSHP
K4AB	1,981,100	SOU-MIX-HP	W4MLB	106,506	MSHP
N3UA	816,228	SOU-MIX-HP	W4IIC	13,860	MSHP
N4YDU	736,060	SOU-MIX-HP			
N4EEB	684,204	SOU-MIX-HP	KT4XA	803,656	MSLP
			N4SVC	716,560	MSLP
K9OM	841,960	SOU-MIX-LP	WA1F	451,332	MSLP
W4RN	482,570	SOU-MIX-LP	W4TG	170,506	MSLP
KE4Q	240,726	SOU-MIX-LP	N4XL	72,732	MSLP
W4EE	192,992	SOU-MIX-LP			
W4LT	160,512	SOU-MIX-LP			
			Northeast Region		
			(New England, Hudson and Atlantic Divisions;		
			Maritime and Quebec Sections)		
AC5O	129,328	SOU-MIX-QRP	K3ZO	1,305,870	SO-MIX-HP
			W2XL	807,128	SO-MIX-HP
WV4P	381,238	SOU-PH-HP	N2NC	519,318	SO-MIX-HP
N6AQ	251,812	SOU-PH-HP	W2OIB	263,504	SO-MIX-HP
K4KKC	220,218	SOU-PH-HP	W1XX	125,628	SO-MIX-HP
W4KW	160,020	SOU-PH-HP			
KV3R	101,400	SOU-PH-HP			
			N1NQD	147,896	SO-MIX-LP
NN4TT	139,948	SOU-PH-LP	K1HC	122,682	SO-MIX-LP
N2ESP	29,726	SOU-PH-LP	VY2LI	107,868	SO-MIX-LP
W4SDX	23,664	SOU-PH-LP	W1AST	78,400	SO-MIX-LP
K5VYV	22,196	SOU-PH-LP	K2AL	73,260	SO-MIX-LP
K4SHW	14,384	SOU-PH-LP			
			VE2ZAZ	61,476	SO-MIX-QRP
K3TW	16,530	SOU-PH-QRP	WB2AMU	32,368	SO-MIX-QRP
			WU2M	26,784	SO-MIX-QRP
N2NL	1,439,268	SOU-CW-HP	K3HW	16,638	SO-MIX-QRP
W4WF (@N4WW)	945,864	SOU-CW-HP	VY2DP	10,224	SO-MIX-QRP
N4BP	864,568	SOU-CW-HP			
AD4EB	856,660	SOU-CW-HP	WU2X	663,992	SO-PH-HP
N1LN	607,992	SOU-CW-HP	KU2M	405,246	SO-PH-HP
			N1PGA	362,440	SO-PH-HP
K7SV	640,640	SOU-CW-LP	AF1T	342,108	SO-PH-HP
WO4O	548,928	SOU-CW-LP	N8RA	268,250	SO-PH-HP
N2YO	320,352	SOU-CW-LP			
WA1FCN	277,160	SOU-CW-LP	KS2G	64,944	SO-PH-LP
K5TS	177,096	SOU-CW-LP	WA1VKO	42,930	SO-PH-LP
			N1WRK	42,180	SO-PH-LP
K4DZR	49,140	SOU-CW-QRP	N2MTG	27,750	SO-PH-LP
KS4YX	23,520	SOU-CW-QRP	W1JIM	26,800	SO-PH-LP
NG2J	16,856	SOU-CW-QRP			
W5GAI	8,360	SOU-CW-QRP	N1GZZ	4,488	SO-PH-QRP

N8HM	630	SO-PH-QRP	N1DFD	20,488	SOU-PH-LP
AB1EP	532	SO-PH-QRP	K3MTT	14,632	SOU-PH-LP
KK4YZG	468	SO-PH-QRP			
W2MC	132	SO-PH-QRP	VE2ZWA	1,428	SOU-PH-QRP
K2SSS	1,014,156	SO-CW-HP	W1KM	1,334,152	SOU-CW-HP
AB3CX	852,796	SO-CW-HP	N3RS	1,230,080	SOU-CW-HP
KR2Q	639,360	SO-CW-HP	AA3B	1,190,400	SOU-CW-HP
KR2AA	523,488	SO-CW-HP	KV2K (K2NG, op)	1,027,140	SOU-CW-HP
VE9AA	456,300	SO-CW-HP	K3JO (NA1NA, op)	931,392	SOU-CW-HP
K1TR	410,960	SO-CW-LP	KS1J	299,136	SOU-CW-LP
K1VUT	372,552	SO-CW-LP	K2DFC	193,004	SOU-CW-LP
K1XM	301,968	SO-CW-LP	W3KB	155,136	SOU-CW-LP
VE1ZA	277,808	SO-CW-LP	KB3AAY	152,448	SOU-CW-LP
W1QK	221,796	SO-CW-LP	KI1G	131,984	SOU-CW-LP
WB2CPU	80,688	SO-CW-QRP	W1FJ	129,744	SOU-CW-QRP
W1IG	74,700	SO-CW-QRP	KW2A	2,160	SOU-CW-QRP
NQ2W	56,608	SO-CW-QRP	KE1AK	480	SOU-CW-QRP
K2YG	39,936	SO-CW-QRP			
KC3NDU	38,744	SO-CW-QRP	K1LZ	2,335,680	MSHP
			WA1T	2,085,810	MSHP
K3WW	1,748,772	SOU-MIX-HP	K5ZD	1,625,792	MSHP
K3MM	1,614,626	SOU-MIX-HP	K2LE	775,008	MSHP
K3RA	1,245,024	SOU-MIX-HP	K3CCR	511,270	MSHP
K1JB	1,004,824	SOU-MIX-HP			
KA1IS	970,632	SOU-MIX-HP	K3AJ	751,050	MSLP
			AA2A	746,618	MSLP
W1TJL	541,780	SOU-MIX-LP	W1SRG	50,850	MSLP
NS3T	323,400	SOU-MIX-LP	VE9ML	39,788	MSLP
W2FDJ	156,436	SOU-MIX-LP	W3RFC	31,666	MSLP
N1API	146,616	SOU-MIX-LP			
WA2QAU	127,296	SOU-MIX-LP			
W1WBB	227,406	SOU-MIX-QRP			
WMØG	25,132	SOU-MIX-QRP			
W3EK	9,976	SOU-MIX-QRP			
W1DED	308,524	SOU-PH-HP			
NF3R	261,598	SOU-PH-HP			
KA2K	249,228	SOU-PH-HP			
AI4MD	243,036	SOU-PH-HP			
W2QJ	218,592	SOU-PH-HP			
NA1E	43,766	SOU-PH-LP			
KD2JOE	31,228	SOU-PH-LP			
N1FTP	28,576	SOU-PH-LP			