

Results, 2003 ARRL November Phone Sweepstakes

If you think contests aren't fun until you have multiple towers and more aluminum than Alcoa, you haven't tried the ARRL Phone Sweepstakes. This contest is the great equalizer among North American-run contests, where operating skill is rewarded more than investment in hardware.

"SS phone is the greatest. It is the true measure of an operator," says Mitch, W1SJ, op at WB1GQR, which placed No. 8 in Unlimited and No. 2 in the Northeast division. "With a tribander and dipoles at 50 feet, I compete head to head with guys running stacked Yagis at two to three times that height and I can do well against them. That will not happen in a DX contest."

Ty, K3MM, agrees. "I prefer domestic contests because they accentuate good operating skills over dominant hardware," he writes in an e-mail. "I love operating from the W3LPL multi-multi or one of the Caribbean hot spots in the big DX contests, but my station with relatively modest antennas works better for domestic contests and I can stay home and sleep (at least a little) in my own bed!"

For the rest of North America, this is all a delicious bit of comeuppance for the Northeast, since northeast stations dominate DX contests but haven't seen one of their own win Phone SS since the 1970s. Even stations in propagationally challenged North Dakota and Manitoba break into the Top 10, or win the thing altogether. The breakdown of categories, high-power, barefoot, QRP, multiop, school and unlimited, gives many stations a shot at making Top 10. But the beauty of SS is that regional battles, Northeast vs Northeast, Midwest vs Midwest, provide the basis for competition, even for operators who can't or won't come out on top.

"Since it is impossible to win High Power from the East (last time done was in the '70s) regional battles are the only way to keep sane in the SS," said Mitch, W1SJ. The last time a W1 has won SS Phone was 1978, when K1GZL took the multioperator class. A W1 has never won in high-power or in QRP and the last low-power win was 1971 (K1EUF).



Mike, KH6ND, busy preparing the antennas for the contest at WP2Z.

High Power

Still, there are some advantages too great to overcome. Rich, KE3Q, continued his dominance operating from WA3FET's station WP3R at Arecibo, Puerto Rico. It's enough that there's been chatter on contesting e-mail reflectors urging Rich to let someone else run WP3R for a change. But he's got the station booked for ARRL SS, both weekends, for the foreseeable future. So it looks like the way to topple him is to go down there and do it the hard way—the right way, some would say—by actually beating him.

He's game for the challenge, and Mike, KH6ND, tried, accepting an invitation from K8MJZ to take over WP2Z on St Thomas, but the battle of the Caribbean never quite shaped up as Mike hoped. Murphy, and a quite low solar flux index, had other ideas.

"The SFI was predicted to be 140 for the SSB weekend, but turned out to be just barely over 100," Mike writes. "This was a disaster to the game plan we had in mind."

Propagation turned against him, and even though the hardware at WP3R isn't in superstation category, it's quite a bit better than at WP2Z. Plus, the op at WP3R has several years' experience with

Top Ten

PHONE	Score	Category	Score	Category
Single Operator, QRP		Single Operator, Unlimited		
N7VY	80,660	KP2A	351,392	
K9ZO	67,640	(KW8N, op)		
N8IE	66,882	K6LL	308,000	
WA8ZBT	60,192	K7RL	256,800	
K5MJE	56,316	W4NF	244,800	
W7YAQ	49,284	KD4D	232,892	
K7MM	48,840	N2BJ	225,280	
W6AQ	47,002	W7RN	223,412	
N8NM	46,920	(WX5S, op)		
WR6WR (N6WR)	44,988	WB1GQR	221,052	
		(W1SJ)		
Single Operator, Low Power		WE9V	219,360	
K5WA	227,520	K6YT	206,560	
K4WX	208,876	(W0YK, op)		
K0UK	187,680	Multioperator		
KK9A	185,952	K9NS	298,880	
N8II	185,018	NJ4M	277,120	
W5AJ	184,080	N5DO	257,920	
W0AH	183,912	N4FCG	256,152	
N4RZ	182,248	K0DU	253,280	
W8MJ	178,640	K8CC	244,584	
N5TW	175,252	KT0R	243,794	
(KC5YKX, op)		N8HR	233,220	
Single Operator, High Power		K4JNY	231,360	
WP3R	408,640	W6XX	230,560	
(KE3Q, op)		School Club		
K4XS	347,840	K5UTD	172,852	
K5TR	342,228	K7UAZ	104,258	
K5TA	317,600	W6PRB	85,644	
W5WMMU	287,360	W2CXM	83,622	
W7WA	286,400	W9NAA	64,526	
WP2Z	285,636	W0EEE	60,882	
(KH6ND, op)		W7UQ	48,604	
K5GA	282,978	WF4DD	31,200	
K3MM	280,160	(KG4CZU, op)		
K4PV	265,914	W2SZ	30,056	
		W1YK	18,270	

propagation from the Caribbean.

"We got hammered brutally by Mr. Murphy, but his presence was a distant second place compared to the damage done to our plan by the poor conditions," Mike continues. "Ten meters died after the first hour, and 20 died shortly after dark. Not what we needed with the antenna disadvantage that we knew we were facing." WP2Z finished seventh overall.

Bob, KW8N, went to KP2A and took second place overall, but chose to operate in Unlimited class so didn't really pose a threat to Rich's B-class supremacy.

Instead, the nearest rival to WP3R was Bill, K4XS, who last year was the No. 1 op in the continental US east of the Mississippi, but this year beat out all lower-48 stations to take No. 2 in high-power and No. 3 overall. George, K5TR, was third. Both George and Bill agreed that it was 40 meters that made the difference for K4XS. "Twenty dropped out by 0000 so there I was on 40, which actually turned out to be a good thing. Forty really turned out to be one of the two money bands for me," Bill writes.

For his part, George said 40 and 80 are keys to guys like Bill, who can work many nearby stations on Saturday night, and he expects 40 will become more important to him as sunspots wane. "He did great—he has a huge station on 40 and 20 meters," George writes of Bill, adding, "I need to work on my 40 meter antennas."

Unlimited

If location defines the B category, it's shaping up as the defining factor in U, as well. KP2A, piloted by KW8N, mounted the most serious challenge yet to B-class supremacy, taking Unlimited honors and placing No. 2 overall behind WP3R. Dave, K6LL, came in second.

Mitch, W1SJ, op at WB1GQR, explains the attraction of U this way: "I operated in 'B' for 25+ years. I moved to 'U' to get a shot at the title," he writes. "I have a couple of 2nd place national finishes in this category, but I'm sure the competition will start to realize this and spread out. This year, I was happy to settle for 10th or 11th in 'U' with the lousy conditions. Operating in 'U' leaves a little room for the other guys in Vermont to battle it out for 'B.'"

And now that the Caribbean has discovered the relatively new Unlimited class, what had been a refuge for stations who were either geographically disadvantaged or up against much bigger stations is slowly losing that appeal.

Low Power

Bob, K5WA, would be in tough competition as a Texan in high-power, what with No. 3 K5TR a short drive away. So,



A photo of Single Operator Low Power champion Bob, K5WA's, station after the battle was over.

Sponsored Plaque Winners

Plaque Category

Overall Single Operator High Power
Overall Single Operator Low Power
Overall Single Operator QRP
Overall School Club College Division
Overall Multioperator
Atlantic Single Operator High Power
Atlantic Single Operator Low Power
Atlantic Multioperator
Central Single Operator High Power
Central Single Operator Low Power
Central Single Operator QRP
Central Single Operator Unlimited
Central Multioperator
Dakota Single Operator High Power Phone
Dakota Single Operator Low Power Phone
Dakota Single Operator QRP Phone
Dakota Single Operator Unlimited Phone
Dakota Multioperator Phone

Great Lakes Single Operator High Power
Great Lakes Single Operator Low Power
Great Lakes Single Operator QRP
Midwest Single Operator High Power
Midwest Single Operator Low Power
New England Single Operator Low Power
New England Single Operator QRP
Roanoke Single Operator High Power
Roanoke Single Operator Low Power
Roanoke Single Operator QRP
Rocky Mountain Single Operator Low Power
Southwestern Single Operator QRP
West Gulf Single Operator High Power
West Gulf Single Operator Low Power
Canada Single Operator QRP

Winner

WP3R (KE3Q, op)
K5WA
N7VY
K5UTD
K9NS
K3MM
K1HTV
N3OC
WB9Z
KK9A
K9ZO
N2BJ
K9NS
W0SD (WD0T, op)
AC0W
WA0VBW
K0HW
KT0R

K10U
N4RZ
N8IE
N8IE
KW0A (KA0GGI, op)
N0AC
K1EP
N1SW
K4JA (N4GG, op)
N8II
N4ZAK
K0UK
N7VY
K5TR
K5WA
VE6EX

Sponsor

Carl Cook, AI6V
Ken Adams, K5KA
QRP Amateur Radio Club International
Mark Smith KD4JLC Memorial
Central Texas DX & Contest Club
North Coast Contesters
Potomac Valley Radio Club
Mark Sickmeyer, KB3GJ Memorial
Society of Midwest Contesters
Society of Midwest Contesters
Don Haney, W9WWW
Society of Midwest Contesters
Don Haney, W9WWW
Minnesota Wireless Association
Minnesota Wireless Association
Minnesota Wireless Association
Minnesota Wireless Association
In Memory of Jim Dokmo, K0FVF,
Minnesota Wireless Association
North Coast Contesters
Mad River Radio Club
Mad River Radio Club
Kirk Pengelly, N0KK
Society of Midwest Contesters
Ed Parish, K1EP
QRP Club of New England
Potomac Valley Radio Club
Raleigh Amateur Radio Society - W4DW
No Va QRP Group
Grand Mesa Contesters of Colorado
Ray and Donna Day, N6HE and N6HTH
Ken Adams, K5KA
Ralph "Gator" Bowen, N5RZ
Frank Merceret, NA4CW

instead, he's happy to slip in under the bedlam and walk away with the low-power title. "Most of the extremely competitive guys around here are B stations, so I don't mind letting them clear the ether while I slip in behind them," he said.

For Bob, it's part strategy, part TVI: "I can't really run an amp on 80 through 10 the whole weekend without upsetting the neighbors."

The Phone weekend was marked by really lousy conditions north of, say, St Louis, a point even K5TR noticed. Summed up nicely by Kirk, N0KK: "Yep, El Stinko!"

So, many a log arrived without a sweep and many complained of missing VE4, not to mention VY1. Conspicuous by his absence was Rob, VE4GV, and a repeat winner of this category. Like the author,

Affiliated Club Competition

Score Entries			Score Entries			Score Entries		
Unlimited Category			Kentucky Contest Group	880,670	19	Northern Arizona DX Assn	188,932	6
Northern California Contest Club	21,943,202	299	CT RI Contest Group	778,440	11	Southwest Ohio DX Assn	184,476	4
Society of Midwest Contesters	16,397,484	294	Spokane DX Association	772,088	11	Bergen ARA	124,282	6
Potomac Valley Radio Club	10,684,780	145	Willamette Valley DX Club	727,918	10	Franklin County ARC	121,816	4
Yankee Clipper Contest Club	5,296,026	80	Oklahoma DX Assn	716,674	7	Woodbridge Wireless	90,522	7
Minnesota Wireless Assn	5,198,134	99	Radio Amateurs of Northern VT	710,412	4	Central Michigan ARC	64,468	4
Florida Contest Group	4,227,042	52	New Mexico Big River Contesters	687,740	3	Wyoming DX Contest Club	28,770	3
Medium Category			Central Arizona DX Assn	649,308	6	Local Category		
Mad River Radio Club	3,961,860	45	Texas DX Society	644,178	6	Northern Rockies DX Association	292,136	4
Southern California Contest Club	3,478,684	33	North Coast Contesters	630,734	10	Alberta Clippers	242,346	3
Tennessee Contest Group	3,344,164	49	Magnolia DX Assn	399,282	4	Medina 2 Meter Group	208,230	6
North Texas Contest Club	2,214,650	20	Rochester (NY) DX Assn	356,816	6	Sussex County ARC	159,762	3
Central Texas DX and Contest Club	1,979,344	20	Florida Contest Group - Panhandle	340,112	3	Hollywood Hills QRP Contest Club	135,680	6
Frankford Radio Club	1,970,266	27	Loudoun ARG	339,674	11	Northern New York Contest Club	123,968	9
South East Contest Club	1,933,932	25	Eastern Iowa DX Assn	338,182	6	Sterling Park ARC	99,558	5
Grand Mesa Contesters of Colorado	1,719,404	19	BC DX Club	300,234	4	Dominion DX Group	95,288	8
Hudson Valley Contesters and DXers	1,348,758	20	Ozark Contest Club	288,320	3	Empire Contest Club	72,956	3
Contest Club Ontario	1,216,390	22	Order of Boiled Owls of New York	282,062	8	10-70 Repeater Assn	66,456	4
Kansas City DX Club	1,195,226	12	West Park Radios	259,876	13	Heartland DX Association	56,846	3
Western Washington DX Club	1,149,498	15	Carolina DX Assn	217,892	4	Redmond Top Key Contest Club	55,720	4
Motor City Radio Club	953,746	32	Western New York DX Assn	207,004	4	Meriden ARC	45,732	3
			South Jersey Radio Assn	205,148	9	Wireless Association of South Hills	45,622	3
			Rip Van Winkle ARS	191,504	3			

Regional Listings

Tables list call sign, score and class (Q = QRP, A = Low Power, B = High Power, M = Multioperator, U = Unlimited)

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)			Southeast Region (Delta, Roanoke and Southeastern Divisions)			Central Region (Central and Great Lakes Divisions; Ontario Section)			Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)			West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections)		
K3MM	280,160	B	WP3R	408,640	B	WB9Z	254,880	B	K5TR	342,228	B	W7WA	286,400	B
W1VE	236,210	B	(KE3Q, op)			K9BGL	204,926	B	K5TA	317,600	B	N6BV	254,240	B
K3CR	221,208	B	K4XS	347,840	B	K1OU	169,554	B	K5GA	282,978	B	(@ N6RO)		
(LZ4AX, op)			W5WMU	287,360	B	K9NW	161,950	B	W5WW	260,320	B	K6LA	245,690	B
K2PLF	214,968	B	WP2Z	285,636	B	N9RV	160,992	B	W0SD	255,840	B	K7XZ	223,680	B
K1XX	207,636	B	(KH6ND, op)						(WD0T, op)			(K1MY, op)		
			K4PV	265,914	B							K7ZSD	223,236	B
K1HTV	134,560	A	K4WX	208,876	A	KK9A	185,952	A	K5WA	227,520	A	K6AM	159,900	A
K1EP	97,050	A	N8II	185,018	A	N4RZ	182,248	A	K0UK	187,680	A	AA6PW	153,892	A
K2UF	90,132	A	N4LR	170,640	A	W8MJ	178,640	A	W5AJ	184,080	A	WN6K	129,792	A
W3LL	87,400	A	W4ATL	164,794	A	N0FW	171,200	A	W0AH	183,912	A	WA0KDS	114,550	A
W2ENY	81,472	A	W4IX	156,618	A	AJ9C	154,208	A	N5TW	175,252	A	N6HC	86,550	A
									(KC5YKX, op)					
N3UR	31,098	Q	W5JAY	32,208	Q	K9ZO	67,640	Q	WA8ZBT	60,192	Q	N7VY	80,660	Q
AA2VK	26,928	Q	KN4QS	28,470	Q	N8IE	66,882	Q	K5MJE	56,316	Q	W7YAQ	49,284	Q
W2CE	26,664	Q	WB6BWZ	20,520	Q	N8NM	46,920	Q	WA0VBW	40,736	Q	K7MM	48,840	Q
N1SW	24,924	Q	N4ZAK	14,664	Q	K8IR	41,344	Q	N0UR	37,422	Q	W6AQ	47,002	Q
KR2Q	21,090	Q	KT0P	12,960	Q	W9DZ	30,366	Q	KJ5RM	34,584	Q	WR6WR	44,988	Q
KD4D	232,892	U									(N6WR, op)			
KD4D	232,892	U	KP2A	351,392	U	N2BJ	225,280	U	AA5NT	181,600	U	K6LL	308,000	U
WB1GQR	221,052	U	(KW8N, op)			WE9V	219,360	U	W5GN	179,646	U	K7RL	256,800	U
(W1SJ, op)			W4NF	244,800	U	NA9D	192,320	U	W7UT	169,060	U	W7RN	223,412	U
K3DNE	156,156	U	WD4K	120,536	U	W9IU	156,624	U	K8FC	136,752	U	(WX5S, op)		
K1IG	124,820	U	(K0EJ, op)			KI9A	147,888	U	K5NZ	132,000	U	K6YT	206,560	U
WE2F	122,460	U	N6ZO	92,708	U						(W0YK, op)			
			KE5K	45,892	U						W1SRD	200,960	U	
N3OC	228,942	M	NJ4M	277,120	M	K9NS	298,880	M	N5DO	257,920	M	W6XK	230,560	M
NA2NA	176,480	M	N4FCG	256,152	M	K8CC	244,584	M	K0DU	253,280	M	W6OAT	181,440	M
KE2DX	148,456	M	K4JNY	231,360	M	N8HR	233,220	M	KT0R	243,794	M	N6KI	179,804	M
W1QK	137,748	M	KA1ARB	221,832	M	VE3RM	175,538	M	W0NO	225,624	M	W6YX	177,118	M
N1FOJ	127,140	M	N4DD	199,360	M	W0AIH	175,520	M	W5LCC	173,920	M	K0BEE	173,958	M

VE4GV shouted at the radio for an hour before calling it quits. Many times, we'd call loud stations on clear frequencies with no pileups and get no response.

But that opened the door for K4WX, K0UK and a host of others to join the Top 10, albeit with reduced scores, thanks in no small part to conditions. Indeed, of all the stations entered, only 76 scored Sweeps, compared to 448 in 2002.

Multioperator

Club station K9NS in Illinois took

multioperator honors, ahead of stations in areas more favored geographically, beating West Central Florida's NJ4M and West Texas's N5DO. Not surprisingly, given their location—too central to capitalize on high-band openings (and, this year, too far north, perhaps) 40 meters was the money band with 931 QSOs, compared to 373 on 20 and less than 60 on 15 and 10 combined.

For many multioperator stations, this class is about giving beginners a leg up into contesting. For others, it's about the camaraderie of coming together as a team.

At KS0P, the Boulder (Colorado) Amateur Radio Club, it's about the future of contesting. All operators were between 12 and 16 years of age and competed under the watchful eye of Elmers—Mike, KC0EFR, and Dan, N0HF. "KS0P, K0DE and KC0INX are BARC Jr Elmers who helped teach the younger operators the ropes of contesting...copying all exchange information correctly, watching out for the band edges and holding a run frequency," writes Dan, N0HF. "The kids operated 2 hour shifts with one operating, one log-

ging. All had prior contesting experience with the exception of two new kids who watched and learned Saturday and then operated on Sunday.”

Dave, N5DO, commenting on the regional battle in the Midwest region and multioperator, pointed out how greatly band selection strategy varied among Midwest multioperator stations; Midwest stretches from Manitoba and Saskatchewan down the North American Trade Corridor to Texas. “One interesting result from the Multioperator section in the Midwest Region is the pattern of contacts as a function of latitude,” he writes.

Stations in the north found their money bands to be 40 and 80, while in Texas high bands were the breadwinners. N5DO had almost 38 per cent of contacts on 15 while W0NO, No. 4 multioperator in the Midwest region, only had 1.2% of its contacts on 15.

It's an observation that applies to all categories, and gives a strong indication of how poor conditions were in the north-central area of the continent and, no doubt, explains the paucity of sweeps.

QRP

Lousy band conditions took their greatest toll in this class, with the winner, N7VY, more than 50,000 points off the previous winning score, but this category continues to attract those operators who don't think phone SS alone is hard enough.

“QRP generally requires some stubbornness and lots of magazines to read during the contest,” understates No. 2 QRP entrant Ralph, K9ZO, who operates QRP when some part of his normally high-power station is out of action. With 445 QSOs and 76 sections, Ralph admits: “Obviously there was a lot broken for the last SS.”

But it's a tight race all the same. In behind K9ZO was N8IE, who logged more QSOs (471) but fewer mults to come up less than a thousand points behind Ralph. In normal years, when more people sweep, 1000 points are less than a seven-QSO gap. That's tight.

With little ability to run for long stretches at a time, the search-and-pounce technique is a great way to practice. N7VY finished with 545 QSOs and 74 sections.

Gordon, N7VY, says he started QRP at his old QTH owing to neighbors' complaints about RFI. It just kinda stuck with him when he moved. “Yes, I have caught the QRP bug, at least as far as contesting is concerned. For me it is the only way to be competitive with the big boys,” he writes.

He said this year was exceptionally tough. “You could really hear that the bands are changing.” He missed many

close-in stations but credits non-QRP operators for having the patience to work him. “These guys work really hard to copy me. Thanks.”

As Ralph, K9ZO, dryly points out: “QRP is not an efficient way to turn alternating current into RF. You generally need hundreds of watts of ac to generate 5 W output,” he writes, pointing to room lighting, computing power, coffeepot and refrigerator and rotators.

School

Still the smallest category, School is drawing an enthusiastic following among repeat entrants. K5UTD won again, posting a respectable 172,852 points, which once again would have been just out of Top 10 in A class. Like most stations, K5UTD's score was kicked down by bad conditions. They won in 2002 with just more than 200,000 points and a sweep. This year, they missed one section.



Trevor, KC0OJH (left) and Zoe, KC0PEK, operating the Boulder Amateur Radio Club Jr, of Boulder, Colorado station—KS0P.

As Multioperator is to many stations, School is often a great training ground for young, enthusiastic contesters-to-be. Even when Murphy strikes. (If you have to learn about Murphy, it might as well be in School, right?) Just ask Ken, KC9UMR, one of the ops at No. 6 W0EEE: “Our 847 died 2 hours into the contest, and my IC-706 did not have an amplifier cable (until 7 AM Sunday morning when I finally got around to building it!). And bad propagation—we had a really rough time. We missed Manitoba and Northwest Territories for sure. I think Montana was another one that eluded us.”

“Everyone who participated had a lot of fun, though, which is our main goal in operating the contests!”

Affiliated Club Competition

Affiliated Club Competition is a great way to generate activity in a popular contest like SS, particularly if your club has


a good rivalry with another. It evokes that competitive spirit that urges members to fire up their radios, even if for only a short time. If your club members seem to be missing their daily-recommended allowance of RF, this is one way to get things going. And if it seems like the way to win is to get the most people on the air, well, that's kind of the whole point.

After a three-year reign, Society of Midwest Contesters gave up the Unlimited gavel to the Northern California Contest Club. Though both clubs had similar numbers of logs (299 for NCCC and 294 for SMC), Sunshine State north pulled ahead by more than five million points. SMC is threatening to be back with a vengeance this year, so we'll see.

Potomac Valley Radio Club was third with 145 logs and 10.6 million points, followed by Yankee Clipper Contest Club, Minnesota Wireless Association and Florida Contest Group (rest in peace, OJ).

In the Medium Category, Mad River Radio Club moved from Unlimited, where they finished last in 2002, to take the Medium title. Southern California Contest Club came in a close second despite having 12 fewer logs, followed by Tennessee Contest Group, which had the most logs. With 40 clubs, Medium is the most popular category.

Local title goes to the Northern Rockies DX Association with the Medina 2 Meter Group taking second place.

The swing from the high to low bands will continue as we race toward the end of the current sunspot cycle. Get ready for the challenge of the 2004 ARRL November Phone Sweepstakes set for November 20-22. 

NEW PRODUCTS

ECHOMAC V1.13 FROM DOGPARK SOFTWARE

◇ Dog Park Software has announced the release of version 1.13 of N9YTY's *EchoMac* for Macintosh computers. It can now be downloaded from www.dogparksoftware.com/EchoMac.html. See their Web site for details and the complete features list. *EchoMac* is a program written for Mac OS X, based on the *echoLinux* (www.cqinet.sf.net) program by Jeff Pierce, WD4NMQ, that gives licensed Amateur Radio operators the ability to access the Echolink system (www.echolink.org). New features of V1.13 include additional bug fixes related to the Portaudio library and system volume settings. For more information, contact Steve Palm, N9YTY, at n9yty@n9yty.com.

WA5TWL	8,008	91	44	A	W5KFT (WM5R, op)	251,062	1589	79	B	K6AUC	35,400	300	59	U	K0BEE (+AI6V)				
W5DDX (K1DW, op)	6,724	82	41	A	W5ASP	170,240	1064	80	B	W6AMHW	34,452	261	66	U		173,958	1101	79	M
W5WZ	360	15	12	A	W5RQ	155,386	1009	77	B	N6AJR	14,098	133	53	U	K6KM (+AD6TF)	142,042	899	79	M
W5GAD (KD5BPR, N5OGW, N5UXT, N5AXA, WA5RT, AF4AN, KD5EWD, AC5TM, W5KB, W9ULR, ops)	55,626	381	73	M	W5TTX	24,480	170	72	B	AI6YL (+WA6VEF)	158,400	990	80	M	N6RER (+logger)	136,828	866	79	M
					W5XD	9,844	107	46	B	W6JZH (+WA6VEF)	132,088	869	76	M	K6ST (+KI6IV)	39,128	292	67	M
					K5MLC	2,176	34	32	B	K6TTX (+K7GT, AE6IQ)	8,372	91	46	M					
					K5WA	227,520	1422	80	A										
					N5TW (KC5YKX, op)	175,252	1138	77	A										
Mississippi					KD5LNO	48,180	330	73	A	Los Angeles					San Diego				
N5PA	208,000	1300	80	B	W5JEN	26,164	211	62	A	K6LA	245,690	1555	79	B	W6YOO	21,900	146	75	B
WA5OYU	178,794	1161	77	B	K5WW	24,924	201	62	A	W6UE	101,470	695	73	B	WN6K	129,792	832	78	A
N5PU	13,104	117	56	B	N5RLQ	21,594	183	59	A	W4EF	15,496	149	52	B	AA6EE	16,874	143	59	A
KJ5RC	21,164	143	74	A	KC5RPF	20,900	190	55	A	W6HXF	19,890	153	65	A	KB6VME	7,830	87	45	A
N5F	10,622	113	47	A	ND5Q	19,712	154	64	A	KO6YN	15,232	136	56	A	W6MVW	780	26	15	A
KN4QS	28,470	219	65	Q	K5EJL	12,096	126	48	A	K6ZCL	13,720	140	49	A	K6ZH	69,204	438	79	U
KE5K	45,892	298	77	U	WB5IZD	10,368	108	48	A	KO6YO	8,730	97	45	A	N6VH	30,912	224	69	U
					N5AF	8,658	111	39	A	WA6BIL	5,112	71	36	A	N6KI (+KB5MU, NN6X, AD5FS, KG6STX)	179,804	1138	79	M
					NX5M	1,080	30	18	A	WA6BOB	1,584	33	24	A					
New Mexico					KG5U	20,570	187	55	Q	AD6IZ	1,020	30	17	A	San Francisco				
K5TA	317,600	1989	80	B	K5NZ	132,000	825	80	U	WA6ITF	2	1	1	A	W6XU	156,468	1003	78	B
WA7LNW	160,000	1000	80	B	KK5LO	72,048	456	79	U	W6AQ	47,002	331	71	Q	K6CTA	60,912	423	72	B
N6ZZ	24,168	228	53	B	WA5AA	65,440	409	80	U	W6RCL	33,040	236	70	Q	K6UM	54,316	367	74	A
W5JOV	10,812	106	51	B	K5IX	23,858	151	79	U	K6IPV	22,044	167	66	Q	N6YEU	50,370	345	73	A
N2IC	47,748	346	69	A	KS5V (+N5RL, W5JLR)	66,836	434	77	M	W6SW	55,440	360	77	U	AA6DX	21,120	165	64	A
W5GZ	43,878	309	71	A	N5XU (K5PI, K5TWJ, KM5TY, ops)	63,040	394	80	M	K6AA (KB6WKT, K1SL, KB6ATT, W6HB, N6UB, W7IXL, K6NT, ops)	45,936	348	66	M	K6BBQ	15,620	142	55	A
AB5JR	11,520	120	48	A	N5OW (+KK5XM)	40,040	286	70	M						N6DDK	15,128	122	62	A
K5PAX	9,936	92	54	A	K5DU (+K5NA)	26,228	166	79	M						AD6KB	1,520	40	19	A
AD5GE	1,288	28	23	A	N5KAE (+KD5CXD)	23,712	152	78	M						NC6P	644	23	14	A
K5MJE	56,316	361	78	Q	N5RBC (+N5QVS)	23,184	161	72	M						K6RIM	192,160	1201	80	U
WA0SXV	29,484	189	78	U	N5VHO (+KD5CAA)	2,508	38	33	M						N6ZFO	72,808	479	76	U
KK5OV (+KB5ZSK)	20,832	168	62	M											K6OWL	41,676	302	69	U
					West Texas										W1NN (+K2RD)	34,648	244	71	M
North Texas					W5AJ	184,080	1180	78	A	Orange									
W5VWV	260,320	1627	80	B	N5FRZ	43,260	309	70	A	K6NR	168,000	1050	80	B	K6RIN	192,160	1201	80	U
K5ZO	219,360	1371	80	B	KU5S	39,424	256	77	A	N6ER	48,618	333	73	B	K6UM	54,316	367	74	A
K1NT	127,360	796	80	B	NZ5M	476	17	14	A	WA6BFW	30,624	232	66	B	N6YEU	50,370	345	73	A
WD5K	166,080	1038	80	A	N5DO (K5FD, KE5OG)	257,920	1612	80	M	KB7V	21,772	158	67	B	AA6DX	21,120	165	64	A
W5BL	53,746	349	77	A	W5LCC (KC5OBX, KB5UOP, KC5MVZ, KE5BL, KC5RWK, KC5QKV, KB5KYJ, ops)	173,920	1087	80	M	K6HRT	19,760	190	52	B	K6BBQ	15,620	142	55	A
W5WB	44,530	305	73	A	N5ZMP (+N5XXD)	24,420	165	74	M	K6AM	159,900	1025	78	A	N6DDK	15,128	122	62	A
N5LFE	43,808	296	74	A						AA6PW	153,892	974	79	A	AD6KB	1,520	40	19	A
K5EEN	30,030	231	65	A						N6HC	86,550	577	75	A	NC6P	644	23	14	A
N0RQ	19,890	153	65	A						WA6GFR	13,750	125	55	A	K6RIM	192,160	1201	80	U
N1CC	18,260	166	55	A						W6RTW	9,912	118	42	A	N6ZFO	72,808	479	76	U
WB5BYO	17,710	161	55	A						W6NT	9,240	105	44	A	K6OWL	41,676	302	69	U
W5WRE	14,632	118	62	A						N6VNI	8,648	92	47	A	W1NN (+K2RD)	34,648	244	71	M
N5KR	13,952	109	64	A						KA6GMA	3,366	51	33	A					
KA5TXL	13,624	131	52	A						W6OGO	3,100	50	31	A	San Joaquin Valley				
AA5ZZ	13,176	108	61	A						N6ISY	1,900	38	25	A	W2SC	212,036	1342	79	B
WB5VGI	11,696	136	43	A						KE6CC	23,296	182	64	Q	W2SC	212,036	1342	79	B
KM5OL	9,900	110	45	A						W6HT	25,986	213	61	U	W6C6H	132,440	860	77	B
W5LL	9,292	101	46	A						W6EEN (+K6XC, W6ORD)	172,852	1094	79	M	N6TNX	33,120	240	69	B
KC5OZT	9,152	104	44	A											W6TE	27,956	241	58	B
W5NOS	8,342	97	43	A											W6RJ	22,040	190	58	B
KD5YIL	7,470	83	45	A											N6YMM	45,844	314	73	A
N5NJ	5,822	71	41	A											W6DPD	28,980	210	69	A
NB5Z	2,160	40	27	A											KA6BB	26,240	205	64	A
WA8ZBT	60,192	418	72	Q											WL7NN	15,544	134	58	A
KJ5RM	34,584	262	66	Q											KI6PG	13,932	129	54	A
WK5K	8,346	107	39	Q											K6CSL	9,588	102	47	A
AA5NT	181,600	1135	80	U											KF6FIR	836	22	19	A
W5GN	179,646	1137	79	U											N6IV	1,050	25	21	Q
K5QX	24,160	151	80	U											K6MI	2	1	1	Q
N3JI (+K5VPQ)	36,806	239	77	M											N6NZ	175,064	1108	79	U
K5DM (KC5KDM, WD5FEE, ops)	22,044	167	66	M											WK6I	133,760	836	80	U
K5UTD (K5AEA, KB5HWS, KD5QXH, KD5KRB, ops)	172,852	1094	79	S											W6ML (W6KC, op)	107,124	678	79	U
WA5BU (KC5CGH, KD5PHB, ops)	4	2	2	S											W6FRH	69,300	450	77	U
															WA6OEC	44,104	298	74	U
Oklahoma															K6OQ	25,560	180	71	U
N5DY	20,862	171	61	B											W1F	23,400	195	60	U
K2BA	13,300	190	35	B											W6XX (+NR6N)	230,560	1441	80	M
KB1ZQ	47,400	300	79	A											N6EE (+N6LK)	92,430	585	79	M
N7HRT	33,984	236	72	A															
K0CIE	18,908	163	58	A											Santa Barbara				
AF5Q	16,958	139	61	A											N6BT	110,250	735	75	B
AE5MM	16,642	157	53	A											WA6FGV	48,008	353	68	A
KD5TXL	11,424	119	48	A											KD6PQF	17,936	152	59	A
WA5YNE	11,224	92	61	A											KI6OQ	9,240	105	44	A
AD5BN	7,910	113	35	A											W6RJQ	8,400	100	42	A
KC5ZDV	4,824	67	36	A											W6HYK	6,844	59	58	A
AB5ZA	8,000	100	40	Q											W6TK	63,364	434	73	U
WD0GTU (+WB0ZWW)	37,950	253	75	M											K6SB (W6GL, KF6KQL, ops)	37,296	252	74	M
NL7CO (+WO7GI)	33,004	223	74	M											W6PRB (AG6RT + 5 loggers)	85,644	549	78	S
South Texas															Santa Clara Valley				
K5TR	342,228	2166	79	B											N6NF	170,16			

W6PRI	18,564	182	51	A	KG9JP	27,040	208	65	A	N7XB	9,568	104	46	A	WA8YPY	12,300	123	50	A
N6BCT	11,368	116	49	A	N3AIU	24,120	201	60	A	KK7LU	7,740	86	45	A	W8PDI	11,856	114	52	A
N6YD	7,904	104	38	A	KE7YF	19,360	176	55	A	N7VS	6,880	86	40	A	N8KZG	11,224	122	46	A
W1MVFY	7,708	82	47	A	NN7D	17,064	158	54	A	KD7RZA	4,312	49	44	A	W8KZP	10,486	107	49	A
W6VJQ	4,624	68	34	A	NN7A	11,832	116	51	A	KC6MZ	2,976	48	31	A	K8GVK	10,388	106	49	A
K6YT (W0YK, op)					AA9MX	11,448	108	53	A	W7SST	920	23	20	A	W8EGI	9,200	100	46	A
	206,560	1291	80	U	KE2GG	4,620	55	42	A	K7GX	874	23	19	A	KC8RQV	9,116	106	43	A
K6XX	197,280	1233	80	U	KK7AC	2,000	40	25	A	NSZR	816	24	17	A	KA8VPF	9,030	105	43	A
W6RQ (N7MH @W6YX, op)					W7LDT	1,488	31	24	A	W7YAQ	49,284	333	74	Q	W8QX	7,392	88	42	A
	150,720	942	80	U	N7VY	80,660	545	74	Q	W7SIR (+N7HA, W7PAT)					WA8AEN	7,128	99	36	A
AB6WM	128,700	825	78	U	N7JXS	14,204	134	53	Q		52,560	365	72	M	W8UE	6,912	108	32	A
K6WW (AE6Y @N6XI)					W0YHE	6,320	79	40	Q	N7TL (+WB7UFJ, KC7Q)					N8QP	6,384	84	38	A
	126,400	790	80	U	K6LL	308,000	1925	80	U		44,446	313	71	M	W8ISC	6,348	69	46	A
W6NL	120,080	760	79	U	W7AH	32,340	210	77	U	KK6WF (+KC7UWS)					WB8RFB	5,472	76	36	A
K6III	112,480	703	80	U	KT7AZ (+K6RFA, W6BLL, W6KAT)						31,536	216	73	M	K8SB	5,400	75	36	A
N7MH	111,900	746	75	U		67,800	452	75	M						K8RWG	4,536	63	36	A
WA6KBL (N16T, op)					N7VF (+KC7ILX)					Utah					N8DY	1,632	34	24	A
	110,080	688	80	U		51,750	375	69	M	K11F	69,496	511	68	B	N8SR (@N8JI)				
AE6Y	103,026	669	77	U	K7RDG (WB6OTS, KD7OED, KD7PEH, KD7HAB, KD7YSW, KD7TDL, KD7SSN, WD8DOM, ops)					KB6BYU	2,070	45	23	A		1,044	29	18	A
AK6L (@K6XX)										KD7TYA	1,426	31	23	A	AB8OA	600	20	15	A
	99,698	631	79	U						WA7BME	560	20	14	A	N8NM	46,920	340	69	Q
W6IOS (N6DE @K6GT, op)						34,840	268	65	M	W7UT	169,060	1070	79	U	K8IR	41,344	304	68	Q
	98,592	624	79	U	K7UAZ	104,258	677	77	S	WI7J (+N7KEC)					NZ8O (K8CC, op)				
WA6O (@N6XG)					KA7SKY	10,028	109	46	S		4,760	68	35	M		28,914	237	61	Q
	97,328	632	77	U						Western Washington					NA8M	20,160	168	60	Q
ND2T	96,750	645	75	U	Eastern Washington					W7WA	286,400	1790	80	B	K1ND	6,080	76	40	Q
W6BAZ (K6KLY, op)					WA7LT	172,480	1120	77	B	K7QQ	175,840	1099	80	B	N8SNM	112,050	747	75	U
	90,012	577	78	U	KD7OY	22,800	190	60	B	K7VI	29,812	257	58	B	K8EO	20,368	152	67	U
N16T	89,474	581	77	U	W6AEA	3,894	59	33	B	W7W	25,376	208	61	B	WB0WAO	16,280	148	55	U
AD6E	79,092	507	78	U	W6A	59,422	407	73	A	WG7X	26,624	208	64	B	K8CC (+N8OS, WX3M)				
N6DE	78,128	514	76	U	K7AWB	46,150	325	71	A	W9PL	25,376	208	61	B		244,584	1548	79	M
N3ZZ	75,816	486	78	U	W7WMO	15,232	136	56	A	W7CO	20,272	181	56	B	NT8V (+ AC8W, K8DD, K8WMMW, W8XI)				
NW6P	71,890	455	79	U	K7VAL	10,904	116	47	A	KG7P	18,908	163	58	B		110,572	718	77	M
N6XG	70,650	471	75	U	WR7K	8,366	89	47	A	N7DOE	11,520	120	48	B	N8MR (+KC8NAH)				
K6KLY	70,300	475	74	U	K7EKM	8,342	97	43	A	W7LKG	3,840	60	32	B		48,300	350	69	M
K6RB	69,708	471	74	U	K7MM	48,840	330	74	Q	AJ7Y	59,360	424	70	A	N8QGC (+VA3IDJ)				
K6EP	68,484	439	78	U	K7OX	189,384	1214	78	U	W7QN	42,904	346	62	A		43,800	300	73	M
K6GT	67,784	458	74	U	WX7P (+KL7LL)					WA6AWD	30,208	236	64	A	K8AE (+WB8AFO)				
K6ZM (K6GT, op)						62,920	484	65	M	KJ7WN	14,880	155	48	A		41,210	317	65	M
	57,900	386	75	U	Idaho					N7UK	12,348	126	49	A	K8GER (+N8KV, K8DT)				
W6ISO	57,876	371	78	U	K0TO	170,786	1109	77	B	KT7G	11,984	107	56	A		34,190	263	65	M
K6UFO	56,392	371	76	U	K7ZO	8,858	103	43	B	W7CEG	11,790	131	45	A	W8ZHO (KC8TBX, AB8QH, KC8PLL, KC8UJWK, ops)				
N6TU	53,850	359	75	U	W6A	67,184	442	76	A	KD7LJ	8,184	93	44	A		24,830	191	65	M
W7SW	50,512	328	77	U	WA7DX	48,280	340	71	A	N7MI	8,160	102	40	A	AB8NY (+AB8NZ)				
KE6FI	49,136	332	74	U	KE7RT	14,580	135	54	A	N7WA	8,036	98	41	A		24,240	202	60	M
W6ISQ	48,000	300	80	U	WB7CYO	14,178	139	51	A	W7MCK	7,708	94	41	A	KC8OBH (+KC8PKY)				
N6EM	47,736	306	78	U	KD7TSQ	12,700	127	50	A	AA7VT	6,560	82	40	A		24,034	197	61	M
NR6S	42,632	292	73	U	KK7X	12,700	127	50	A	KK7UZ	5,256	73	36	A	N8UZE (+KB8BSG)				
WA4FIB	38,778	281	69	U	KW7N	11,286	99	57	A	W7RGL	2,200	50	22	A		15,640	115	68	M
K6RFM	32,640	240	68	U	KG7WZ	9,696	101	48	A	KB7N	2,072	37	28	A	AB8PW (+KC8TDN)				
W4NJK	22,272	174	64	U	KJ7TH (+KD7VWX)					WRSJ	728	26	14	A		11,960	115	52	M
W6ZZZ	20,400	204	50	U		84,214	533	79	M	K7ABL	144	9	8	A	KC8ELY (N8NJE, N8MMF, N8MPO, ops)				
K6BL	18,900	175	54	U	KI7RO (+KB7LFO, KD7PKH)					N9ADG	7,392	88	42	Q		9,328	106	44	M
W6AMM (ND2T @AC6JT, op)						18,924	166	57	M	N7RVD	2,704	52	26	Q	KI8GR (+W8ISS, N8PVI)				
	13,440	140	48	U	W7UQ (KL9A, KC7RSO, KD7YBZ, ops)					K7RL	256,800	1605	80	U		8,282	101	41	M
K3KOA	12,296	116	53	U		48,604	419	58	S	W7DK (WA7IVO, AE7RW, AD7AB, KD7TRC, KD7TRA, KD7UBI, KD7SXX, KD7SXU, KD7YPH, ops)					KC0WE (+KC8WJR)				
K6GFJ	8,648	92	47	U	Montana						34,146	271	63	M		2,744	49	28	M
KI6L	7,568	88	43	U	KS7T	61,568	416	74	B	W7VMI (N0AX, KD7FWQ, ops)					Ohio				
W6SC	3,180	53	30	U	NB7V	39,200	350	56	B		32,248	278	58	M	K10U	169,554	1101	77	B
W6OAT (+WA1QQK)					K7BG	51,992	388	67	A						K8MR	114,036	731	78	B
	181,440	1134	80	M	AA7YA	49,200	328	75	A	Wyoming					K8CI	33,552	233	72	B
W6YX (K6UFO, W6RQ, W6FEL, ops)					KI0BJ	34,524	274	63	A	N7JT	24,486	159	77	B	W8GG	26,702	169	79	B
	177,118	1121	79	M	K7SAM	26,196	177	74	A	WG7Y	67,336	443	76	A	AC8E	24,840	207	60	B
K6IF (@W6YX) (+W6LD)					N7VMR	22,420	190	59	A	KE7NT	34,680	255	68	A	K5ZG	8,400	100	42	B
	132,878	841	79	M	KD7IIL	2,542	41	31	A	KS7WY	672	24	14	A	W8CWG	3,968	64	31	B
N6RC (+W6ZZZ, N6RCE)					KL7FDQ	9,450	105	45	Q	NC7O	144	9	8	A	K3GP	1,080	27	20	B
	89,984	592	76	M	WN7Y	1,040	26	20	Q	KD7RX	6,536	86	38	Q	N8BJQ	616	22	14	B
N6CQP (K2RD, W1NN ops)					K7ABV	30,360	220	69	U	KO7X	63,640	430	74	U	N0FV	171,200	1070	80	A
	24,024	182	66	M	Nevada										W8DD	152,256	976	78	A
W6MLP (N2RHV, KG6NFG, ops)					K7NV	102,180	655	78	B	8					K8BL	128,856	826	78	A
	11,468	122	47	M	WX7M (K7NV, op)					Michigan					ND8DX	122,928	788	78	A
AA6W (+NU6P)						83,400	556	75	B	K8AO	137,984	896	77	B	N8KM	106,650	711	75	A
	7,068	93	38	M	KI7GN	5,762	67	43	B	K9TTT	26,384	194	68	B	K8NVR	76,368	516	74	A
7					N7ON	43,654	299	73	A	KG8OU	18,048	141	64	B	W8TM	53,576	362	74	A
Alaska					WB7QBO	20,212	163	62	A	KE8Z	15,510	141	55	B	KA8HQL	52,950	353	75	A
KL7J	41,316	313	66	B	KQ6MU	17,850	175	51	A	N8MJ	178,640	1160	77	A	N8BV	51,636	331	78	A
AL1G	14,520	165	44	B	KC7NUP	12,768	133	48	A	KC8KAM	56,168	413	68	A	KF8HR	51,376	338	76	A
KL7D	7,440	93	40	B	W7PW	3,360	56	30	A	K8SAK	46,944	326	72	A	WA8SDF	31,680	240	66	A
KL7FAP	8,968	118	38	A	W7RN (WX5S, op)					N8NX	45,220	323	70	A	KB8UJZ	28,832	212	68	A
KL7AA (KL0QW, KL7TS, KL7JA, KL7JJ, ops)						223,412	1414	79	U	K8RDJ	41,942	313	67	A	KC8SHE	27,430	211	65	A
	19,296	201	48	M	K5RC	81,900	525	78	U	N8ZFH	34,596	279	62	A	KC8QHT	26,368	206	64	A
Arizona					W7SOB (W7V1, K7AFO, KG7														

WB0TRA	19,038	167	57	A	W0YC (K8GU, N0YNT, AG0I, KC00IH, ops)	18,468	171	54	M	N0GF (KB1BYP, KC0JPP, KE0A, KI0LS, ops)	55,296	432	64	M	VE3BHI	5,328	74	36	A
K0MPH	18,908	163	58	A						N0UD (KC0HXF, WB0OAJ, KC0PNO, N0LVW, ops)	29,862	237	63	M	VA3HUN	2,808	52	27	A
K0KX	18,392	121	76	A	Missouri										VE3RM (+VE3WIB, VE3WRL)	175,538	1111	79	M
K0VH	18,172	154	59	A	KW0A (KA0GGI, op)	172,378	1091	79	B	South Dakota					VE3AA (VE3XLG, VE3BFE, ops)	16,390	149	55	M
AA0AW	17,808	159	56	A	K00U	167,520	1047	80	B	W0SD (WD0T, op)	255,840	1640	78	B					
N0BUI	17,388	161	54	A	K00E	141,094	893	79	B	K7RE	108,750	725	75	A	Manitoba				
K0TK	16,128	144	56	A	K0DEQ	23,364	198	59	B	WB0ULX	11,220	110	51	A	VE4YU	15,688	148	53	A
N2DUP	12,512	136	46	A	K0JPL	10,082	71	71	B	K0EWS	7,708	94	41	A	VE4HAZ	4,756	58	41	A
WA0WVOV	10,812	106	51	A	AA0A	3,492	97	18	B	K0HW	97,976	662	74	U	VE4VID	3,520	55	32	A
KA0ZPP	10,530	117	45	A	WA0IYY	2,242	59	19	B	W0KXZ (+N0UCR)	101,752	644	79	M	VE4VV	29,640	260	57	Q
WA2HFI	10,032	114	44	A	W0VD	70,224	462	76	A	K0HS (K0OR, W7VOK, N0IQS, ops)	39,304	289	68	M	VE4MM	23,932	193	62	Q
K0QJ	9,936	108	46	A	W0SLW	47,872	352	68	A	Maritime-Newfoundland									
WA0OTO	9,072	108	42	A	KG0KP	36,180	270	67	A	VY2SS (AJ6V, op)	143,116	967	74	B	Saskatchewan				
KF0Q	8,736	91	48	A	KB0NHW	27,404	221	62	A	VY2LI	113,250	755	75	B	VE5CPU	72,372	489	74	B
W0AMT	7,812	93	42	A	WB0QLU	26,600	190	70	A	VE1OP	89,550	597	75	U	VE5SF	129,718	821	79	A
KC0RCN	6,150	75	41	A	AC0N	21,504	192	56	A	VE9FX	14,400	144	50	U	VE5AAD	16,900	130	65	A
N0BM	4,416	69	32	A	K0DAT	13,500	125	54	A	Newfoundland-Labrador					VE5HF	10,824	123	44	A
K0NY	3,264	51	32	A	K0LWV	8,556	93	46	A	VO1AU	17,172	162	53	B	VE5JL	9,072	108	42	A
N0HJZ	2,856	51	28	A	KC0LUX	8,460	94	45	A	VO1TA	44,574	391	57	A					
KI0DI	714	21	17	A	KJ0C	2,184	52	21	Q	Quebec									
WA0MHJ	286	13	11	A	W0TT	117,868	746	79	U	VE2AWR	38,090	293	65	A	Alberta				
K0MY	2	1	1	A	AE9B	74,100	494	75	U	VE2FAB	18,700	187	50	A	VE6JY (VE5MX, op)	155,232	1008	77	B
WA0VBW	40,736	304	67	Q	KB0VVT (+KG0UT, KG0US)	143,840	899	80	M	VE2TSM	13,622	139	49	A	VE6RFM	720	24	15	A
N0UR	37,422	297	63	Q	W0EEE (KD9ARC, KC9UMR, KD5AMX, KI0PX, KI0QB, N4LO, KC0JEO, ops)	60,882	417	73	S	VE2DC	10,304	112	46	A	VE6EX	33,394	283	59	Q
K0CD	7,524	99	38	Q	Nebraska					VE2OWL	7,470	83	45	A	VE6AO (VE6KC, VE6TC, VE6RRB, VE6JAZ, VE6TN, VE6VPD, VE6WSI, VE6OBS, ops)	139,932	897	78	M
N0IM	64,650	431	75	U	N0WY	36,432	264	69	A	Ontario									
K0AD	37,128	273	68	U	WW0H	21,280	190	56	A	VA3NR	54,300	362	75	B	British Columbia				
K4IU	30,624	232	66	U	N4OWG	19,234	163	59	A	VE3AGC	97,736	643	76	A	VE7IN	85,768	604	71	A
WG0M	17,380	158	55	U	K0IL	16,092	149	54	A	VE3MGY	66,672	463	72	A	VE7NS	9,546	111	43	A
KC0LBT	12,852	119	54	U	KB0ARZ	11,880	110	54	A	VE3CR	46,282	317	73	A	VA7MJR	6,336	72	44	A
N0PO	9,100	70	65	U	W0UVC	10,720	80	67	Q	VE3RCN	37,092	281	66	A	VE7NGR	640	20	16	A
KT0R (+K0AD, K0OB, K0MX, N0HJZ)	243,794	1543	79	M	NE0DX	9,694	131	37	Q	VE3GLO	25,916	209	62	A	VE7FO (+logger)	59,040	410	72	M
W0EF (WB0N, K0BUD, N0MGQ, W0AMT, WC0V, KC0LBT, KB0PJV, KN0F, WA1GWE, N0NYH, K0HLA, ops)	52,496	386	68	M	KI0OV	792	22	18	Q	VA3SWG	25,344	198	64	A	VE7NA (VA7NO, VA7RS, VA7PLH, VE7BGP, VE7GDE, VE7RLH, ops)	16,500	165	50	M
K0SV (+KC0IRY)	43,500	290	75	M	K0GND (+WD0EGK, KG0GY, K0NC, K0NEB)	163,688	1036	79	M	VE3TW	16,688	149	56	A	VE7AQS (+VE7SFV, VA7TDS)	6,764	89	38	M
K0JE (+K0JA)	42,624	296	72	M	N0GVK (+KE0BZ, KC0PUW)	88,322	559	79	M	VA3IX	11,712	122	48	A					
N0WE (+KE0S, KF0Q, K0NY)	25,740	195	66	M	North Dakota					VE3XD	10,952	74	74	A	Northern Territories				
KA0DAQ (+N0MY)	22,388	193	58	M	N0SJ	16,874	143	59	A	VE3TPZ	7,176	78	46	A	VY1JA	18,232	212	43	B
N0RPM (+KC0IY, KD5EMB)	19,716	159	62	M	K0UD	9,240	105	44	A						VY1MB (+ VY1CQ, VY1YT, VY1BD)	22,914	201	57	M