By Kelly Taylor, VE4XT

Results, 2002 ARRL November Phone Sweepstakes

Records were falling all over the place in the 2002 November Phone Sweepstakes—particularly in low power. A total of 1692 entries were received, of which 901 were from Single Operator Low Power Entries, the most popular category. Plus, the 1692 competitive logs are the most received for Phone Sweepstakes in the past nine years.

It is this group—Precedence "A"—that really is the "bread and butter" of the contest. They are like most of us. They have a simple station, some wire swaying in the breeze. Perhaps they have a tribander to help on the higher bands. But by the end of the contest they had participated in 235,587 QSOs during the 30-hour Sweepstakes period. The big guns would run out of guys to work real fast if it weren't for the "average" participants getting on the air to have some fun.

Records Abound

VA7RR seemingly came from nowhere to set a BC record and knock off perennial favorite Rob, VE4GV 277,440 to 266,240. Sam, VE5SF, also set the Saskatchewan record (241,280), W7ZR (228,960) set an Arizona record, NØKK (@NØAT) (219,040) set a Minnesota record, WØMW (210,400), a new record in Kansas, W8MJ's 208,640 was a Michigan record. Also in Top 10 but not setting records were K4XU (202,556), N7GYD (201,608) and K5WA (201,120).

In high power the story once again was, who else? WP3R, whose score came within a hair of breaking the overall high-power record, which is held by, you guessed it, WP3R.

Expanded Results, Line Score Printouts Available

For complete contest results on-line, please visit **www.arrl.org/contests/results**. ARRL members without Internet access may obtain a printout of the complete line scores by sending a self-addressed stamped envelope to ARRL Contest Results, 225 Main St, Newington, CT 06111. Please be sure to include the contest name and year.

QRP was won by K9TM, unlimited by K6LL, multioperator by W7GG and school club by K5UTD.

But SS isn't just about the big numbers. Certainly, tying the high-power overall record is the big story. But we'll also meet Sherman, W4ATL, who set an LP record in Georgia…Dan, K6IF, who placed 13th in high power and set a San Francisco section record despite an almost 20-year absence from contesting…and Bill, K4XS, who didn't win but prides himself on being the top-scoring mainland US station east of the Mississippi.

The WØEEE station being ably run by Ben, KIØPX, and Ken, KC9UMR. They cruised to a third place finish in the School Club category.

Low-power champ Gary, VA7RR, admits his own call isn't that well-known yet, but you've heard his voice before, first as WA6VEF and later as a guest op at VE7SZ. "It was nice to come out on top, and extremely gratifying to be successful from the home station," he says. "This was the first time I've ever entered the low power category in this contest. I had no idea what to expect; the goal was to have fun and make as many Qs as possible."

He owes his success to 10, 15 and 20, and primarily to 10. He's not expecting to

Top Ten

Phone

Single Operator, QRP		QSO	Mults	Hrs
K9TM	133,120	832	80	22
K7MM	119,448	756	79	24
KO9A	114,550	725	79	24
VE4MM	100,480	628	80	17
WA8ZBT	93,440	584	80	22
K1AM	90,240	564	80	24
KX9X	85,280	533	80	20
NØUR	74,328	489	76	18
N8IE	67,680	423	80	22
N9NE	65,412	414	79	18

Single Operator, Low Power		QSO	Mults	Hrs
VA7RR	277,440	1734	80	24
VE4GV	266,240	1664	80	24
VE5SF	241,280	1508	80	24
W7ZR	228,960	1431	80	24
NØKK (@NØAT)	219,040	1369	80	24
WØMW	210,400	1315	80	22
W8MJ	208,640	1304	80	24
K4XU	202,556	1282	79	20
N7GYD	201,608	1276	79	24
K5WA	201,120	1257	80	19

Single Operator, High Power		QSO	Mults	Hrs
WP3R	425,280	2658	80	24
KH7X (KH6ND, op)	363,040	2269	80	24
K5TR	334,720	2092	80	24
WBØO	326,720	2042	80	24
K4XS	326,080	2038	80	24
W7WA	320,160	2001	80	24
K6NA (N6ED, op)	313,760	1961	80	24
WØSD (WDØT, op)	306,720	1917	80	24
VE6JY (VE5MX, op)	300,800	1880	80	24
K7RI	294,400	1840	80	24

Single Operator, Unlimited		QSO	Mults	Hrs
K6LL	298,880	1868	80	24
WB1GQR (W1SJ)	279,200	1745	80	24
N6TV	275,520	1722	80	23
K7OX	261,440	1634	80	24
W7UT	254,880	1593	80	21
KD4D	246,400	1540	80	24
N2WW	240,640	1504	80	24
W4MYA	233,440	1459	80	24
W4NF	231,680	1448	80	24
WE9V	228,160	1426	80	20

Multioperator		QSO	Mults	Hrs
W7GG	333,120	2082	80	24
K9NS	310,080	1938	80	24
W6YX	300,160	1876	80	24
WP2Z	287,040	1794	80	20
KTØR	281,600	1760	80	24
N5DO	259,520	1622	80	24
N8HR	252,000	1575	80	24
WØNO	241,920	1512	80	24
N8KR	240,960	1506	80	24
K8CC	240,160	1501	80	24

School Club		QSO	Mults	Hrs
K5UTD	200,480	1253	80	24
W2CXM	120,000	750	80	19
WØEEE	106,240	664	80	22
W4AQL	104,800	655	80	24
W9YT (KB9ITE, op)	86,110	545	79	18
WF4DD (KG4CZU, op)	64,622	409	79	12
KC7KFF	46,976	367	64	7
W9UIH (WØTPO, op)	43,428	282	77	19
WA5BU (K5LH,op)	41,652	267	78	12
W7ISU (W7RSR, op)	37,752	242	78	14

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Kirk, NØKK, who brought home a fifth place overall finish in the Single Operator Low Power category, used the NØAT station.

stay on top as the sunspot cycle wanes, and he's forced to spend time on 20 and 40, where he's not as competitive. He says the key to success is to never give up and especially not to get sucked in by someone else's higher numbers. "I was running, I think, behind VE4GV until Sunday afternoon, when I caught up and pulled ahead."

Frequency selection is also key, particularly in low power. You'll often hear VE4GV at 14.151 on 20 or higher on 15 and 10. Gary says it's important to stay in the clear. VE4GV holds the overall low-power record, which was safe and, obviously, the Manitoba record.

There's a new low-power champ in Georgia. Sherman, W4ATL, though not in Top 10 (no. 14, by the way, one spot behind the author), beat the Georgia record set in 2000 by W4WA. Sherman's final score was 1163 by 80 for 186,080, well ahead of W4WA's mark of 178,880.

Sherman says SS is still his favorite contest, though NAQP is challenging for that title. "My goal was to break 1,000 QSOs, and I exceeded my expectations," he says. He got off to a rough start on 15 and 10 and then finally started making

Plaque Winners

Division	*Plaque Category*	*Plaque Sponsor*	*Winner*
Overall	Single Operator High Power Phone	Carl Cook, AI6V	WP3R (KE3Q, op)
Overall	Single Operator Low Power Phone	Ken Adams, K5KA	VA7RR
Overall	Single Operator QRP Phone	QRP Amateur Radio Club International	K9TM
Overall	School Club College Division Phone	Mark Smith, KD4JLC, Memorial	K5UTD
Overall	Multioperator Phone	Central Texas DX & Contest Club	W7GG
Atlantic	Single Operator High Power Phone	North Coast Contesters	K3MM
Atlantic	Single Operator Low Power Phone	Potomac Valley Radio Club	W2KA
Atlantic	Multioperator Phone	Mark Sickmeyer, KB3GJ Memorial	WR3L
Central	Single Operator High Power Phone	Society of Midwest Contesters	WB9Z
Central	Single Operator Low Power Phone	Society of Midwest Contesters	K9ZO
Central	Single Operator QRP Phone	Don Haney, W9WW	KO9A
Central	Single Operator Unlimited Phone	Society of Midwest Contesters	WE9V
Central	Multioperator Phone	Don Haney, W9WW	K9NS
Dakota	Single Operator High Power Phone	Minnesota Wireless Association	WBØO
Dakota	Single Operator Low Power Phone	Minnesota Wireless Association	NØKK (@NØAT)
Dakota	Single Operator QRP Phone	Tod Olson, KØTO	NØUR
Dakota	Single Operator Unlimited Phone	Minnesota Wireless Association	K4IU
Dakota	Multioperator Phone	In Memory of Jim Dokmo, KØFVF Minnesota Wireless Association	KTØR
Great Lakes	Single Operator High Power Phone	North Coast Contesters	K8AO
Great Lakes	Single Operator Low Power Phone	Mad River Radio Club	W8MJ
Midwest	Single Operator Low Power Phone	Society of Midwest Contesters	WØMW
New England	Single Operator QRP Phone	QRP Club of New England	K1AM
Pacific	Single Operator Low Power Phone	Jim Hollenback, NK6L	N6NF
Roanoke	Single Operator High Power Phone	Potomac Valley Radio Club	W4MR (AA4NC, op)
Roanoke	Single Operator Low Power Phone	Raleigh Amateur Radio Society—W4DW	N8II
Roanoke	Single Operator QRP Phone	Northern Virginia QRP	N5FPW
Rocky Mountain	Single Operator Low Power Phone	Grand Mesa Contesters of Colorado	KØUK
Southwestern	Single Operator QRP Phone	Ray and Donna Day, N6HE and N6HTH	W6AFA
West Gulf	Single Operator High Power Phone	Ken Adams, K5KA	K5TR
West Gulf	Single Operator Low Power Phone	Ralph "Gator" Bowen, N5RZ	K5WA
West Gulf	Multioperator Phone	Oklahoma DX Association	N5DO
Canada	Single Operator QRP Phone	Frank Merceret, NA4CW	VE4MM

Top Five By Region

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

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/Yukon Sections)		
K3MM	262,280	B	WP3R	425,280	B	WB9Z	256,640	B	K5TR	334,720	B	KH7X (KH6ND, op @ KH7R)	363,040	B
K3ZO	236,800	B	K4XS	326,080	B	N9RV (AJ9C,op)	244,640	B	WBØO	326,720	B	W7WA	320,160	B
K1KD	228,320	B	W4MR (AA4NC, op)	277,120	B	KE9I	231,360	B	WØSD (WDØT, op)	306,720	B	K6NA (N6ED, op)	313,760	B
KK1L	226,880	B	W5WMU	269,600	B	K9BGL	217,600	B	W5KFT (WM5R, op)	252,160	B	VE6JY (VE5MX, op)	300,800	B
W1AO	221,920	B	KY5R	238,080	B	W9BS	209,440	B	K5ZO	229,732	B	K7RI	294,400	B
K2Z (KD2RD, op)	147,040	A	W4ATL	186,080	A	W8MJ	208,640	A	VE4GV	266,240	A	VA7RR	277,440	A
K1EP	137,440	A	N8II	182,016	A	W8DD	175,200	A	VE5SF	241,280	A	W7ZR	228,960	A
KZ1M	127,360	A	K4WX	173,760	A	K9ZO	172,000	A	NØKK (@ NØAT)	219,040	A	K4XU	202,556	A
W2KA	118,720	A	NA4K	171,040	A	K8BL	159,840	A	WØMW	210,400	A	N7GYD	201,608	A
W1JQ	118,400	A	NY4T	152,320	A	ND8DX	158,400	A	K5WA	201,120	A	N6NF	188,320	A
K1AM	90,240	Q	N5FPW	47,580	Q	K9TM	133,120	Q	VE4MM	100,480	Q	K7MM	119,448	Q
AA2VK	42,920	Q	WB6BWZ	34,456	Q	KO9A	114,550	Q	WA8ZBT	93,440	Q	W6AFA	58,624	Q
N3UR	42,642	Q	KC5R	24,820	Q	KX9X	85,280	Q	NØUR	74,328	Q	W7KQZ	57,000	Q
W1EM	39,000	Q	KQ4YY	18,910	Q	N8IE	67,680	Q	WA7LNW	59,792	Q	KH7YD	51,480	Q
K3SWZ	36,778	Q	K4WY	18,492	Q	N9NE	65,412	Q	WØETT	57,288	Q	W6LPW	47,880	Q
WB1GQR (W1SJ, op)	279,200	U	W4MYA	233,440	U	WE9V	228,160	U	W7UT	254,880	U	K6LL	298,880	U
KD4D	246,400	U	W4NF	231,680	U	N2BJ	216,960	U	N2WW	240,640	U	N6TV	275,520	U
K2PLF	225,920	U	K4MA	224,960	U	NA9D	215,360	U	NA5S	212,000	U	K7OX	261,440	U
N2MM	224,800	U	K4WI	188,480	U	KI9A	175,840	U	AA5NT	162,880	U	K6XX	223,360	U
VE1OP	220,960	U	NE4S	138,684	U	KG9X	173,600	U	K1NT	136,960	U	KS6H	202,240	U
NA2NA	210,080	M	WP2Z	287,040	M	K9NS	310,080	M	KTØR	281,600	M	W7GG	333,120	M
WR3L	195,040	M	NP2B	222,560	M	N8HR	252,000	M	N5DO	259,520	M	W6YX	300,160	M
K2NNY	189,920	M	KM4M	197,600	M	N8KR	240,960	M	WØNO	241,920	M	VE6AO	215,840	M
W1YK	177,600	M	K5DB	197,600	M	K8CC	240,160	M	K7TD	225,624	M	N7PP	209,982	M
W2MU	161,280	M	W5LAR	185,440	M	K8MAD	213,600	M	KØGQ	210,720	M	W6ISO	180,160	M

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headway on 40 meters. "But after midnight it was as if someone flipped a switch," he recalls. "I had incredible runs on 40 and 80. I was planning on getting some sleep around 1 or 2 AM when the rates eased, but people kept calling me. So I kept working 'em. Stopped for breakfast when the rates finally died down around 6 AM."

That Nevada was his last section, late on Sunday, offers some insight into why Georgia isn't the best section to be fighting SS from. That his 15 and 10 meter QSOs were, combined, 1000 QSOs behind the leader, VA7RR, on those bands is also telling. Also setting section records were N8II (West Virginia) and AA7YA (Montana).

The Key to WP3R's success?

When it comes to Sweepstakes, Puerto Rico is the place to be. No need to tell Rich, KE3Q, that. Since parking himself in the high-power chair at WP3R five contests ago, Rich has won every one. He set an all-time record in 2000 and he tied it last year.

One of the beautiful things about SS is that you don't need to be a superstation to win. Indeed, WP3R is blessed with location and a tall mountain, but it's hardly a W3LPL. Talk to most superstation owners and they'll say that being that big is a disadvantage in a contest like SS, which doesn't lend itself well to multiop and doesn't permit multi-multi. Many stations fix most of their antennas on the DX headings, and often rotate only the top antennas. Plus, re-jigging a five-bands-at-once station to permit operation on all five bands from only one desk is no small feat.

Rich takes a lot of pride in tying his 2000 record of 2658 QSOs and, of course, 80 sections for 425,280 points. He wasn't counting on it, given lower raw QSO

Division Leaders

Single Operator High Power

Atlantic	K3MM	262,280
Central	WB9Z	256,640
Dakota	WBØO	326,720
Delta	W5WMU	269,600
Great Lakes	K8AO	184,000
Hudson	W2PS	191,200
Midwest	NØAC	220,410
New England	K1KD	228,320
Northwestern	W7WA	320,160
Pacific	KH7X (KH6ND, op)	363,040
Roanoke	W4MR (AA4NC, op)	277,120
Rocky Mountain	W1XE	203,040
Southeastern	WP3R	425,280
Southwestern	K6NA (N6ED, op)	313,760
West Gulf	K5TR	334,720
Canada	VE6JY (VE5MX, op)	300,800

Single Operator Low Power

Atlantic	W2KA	118,720
Central	K9ZO	172,000
Dakota	NØKK (@NØAT)	219,040
Delta	K4WX	173,760
Great Lakes	W8MJ	208,640
Hudson	K2Z (KD2RD, op)	147,040
Midwest	WØMW	210,400
New England	K1EP	137,440
Northwestern	K4XU	202,556
Pacific	N6NF	188,320
Roanoke	N8II	182,016
Rocky Mountain	KØUK	164,794
Southeastern	W4ATL	186,080
Southwestern	W7ZR	228,960
West Gulf	K5WA	201,120
Canada	VA7RR	277,440

Single Operator QRP

Atlantic	N3UR	42,642
Central	KO9A	114,550
Dakota	NØUR	74,328
Great Lakes	K9TM	133,120
Hudson	AA2VK	42,920
Midwest	WØUVC	18,788
New England	K1AM	90,240
Northwestern	K7MM	119,448
Pacific	W6LPW	47,880
Roanoke	N5FPW	47,580
Rocky Mountain	WA7LNW	59,792
Southeastern	WB6BWZ	34,456
Southwestern	W6AFA	58,624
West Gulf	WA8ZBT	93,440
Canada	VE4MM	100,480

Single Operator Unlimited

Atlantic	KD4D	246,400
Central	WE9V	228,160
Dakota	K4IU	64,116
Delta	KE5K	61,440
Great Lakes	N8BJQ	105,600
Hudson	WE2F	155,840
Midwest	WAØSXV	80,800
New England	WB1GQR (W1SJ, op)	279,200
Northwestern	K7OX	261,440
Pacific	N6TV	275,520
Roanoke	W4MYA	233,440
Rocky Mountain	W7UT	254,880
Southeastern	K4WI	188,480
Southwestern	K6LL	298,880
West Gulf	AA5NT	162,880
Canada	VE1OP	220,960

Multioperator

Atlantic	WR3L	195,040
Central	K9NS	310,080
Dakota	KTØR	281,600
Delta	K5DB	197,600
Great Lakes	N8HR	252,000
Hudson	NA2NA	210,080
Midwest	WØNO	241,920
New England	W1YK	177,600
Northwestern	W7GG	333,120
Pacific	W6YX	300,160
Roanoke	KM4M	197,600
Rocky Mountain	K7TD	225,624
Southeastern	WP2Z	287,040
Southwestern	WX7P	129,120
West Gulf	N5DO	259,520
Canada	VE6AO	215,840

School Clubs

Atlantic	W2CXM	120,000
Central	W9YT (KB9ITE, op)	86,110
Dakota	WØHSC	8,692
Delta	W5YD	11,342
Midwest	WØEEE	106,240
Northwestern	W7ISU (W7RSR, op)	37,752
Roanoke	WF4DD (KG4CZU, op)	64,622
Southeastern	W4AQL	104,800
Southwestern	KC7KFF	46,976
West Gulf	K5UTD	200,480

Affiliated Club Competition

	Score	Entries
Unlimited Category		
Society of Midwest Contesters	22,371,958	387
Northern California Contest Club	14,780,990	156
Potomac Valley Radio Club	14,747,766	180
Minnesota Wireless Association	7,084,314	91
Yankee Clipper Contest Club	5,755,512	95
Mad River Radio Club	5,385,788	52
Medium Category		
Southern California Contest Club	4,861,714	43
Florida Contest Group	3,467,230	48
Tennessee Contest Group	3,327,554	45
Frankford Radio Club	3,305,378	43
Western Washington DX Club	2,532,996	23
North Texas Contest Club	2,195,198	22
Hudson Valley Contesters and DXers	2,057,256	21
South East Contest Club	1,986,472	22
Willamette Valley DX Club	1,627,620	12
Grand Mesa Contesters of Colorado	1,334,976	18
Texas DX Society	1,294,092	12
Contest Club Ontario	1,292,790	18
Kentucky Contest Group	1,283,926	20
Central Texas DX and Contest Club	1,134,972	12
Motor City Radio Club	1,130,796	31
Oklahoma DX Association	965,718	7
Radio Amateurs of Northern Vermont	797,772	5
North Coast Contesters	733,766	11
AK-SAR-BEN	627,676	9
Cajun Contest Club	564,048	3
Rochester (NY) DX Association	559,232	9
Kansas City DX Club	523,684	8
South Jersey Radio Association	477,996	11
Lincoln ARC	437,288	5
Central Arizona DX Association	412,322	5
Rip Van Winkle ARS	411,656	9
Eastern Iowa DX Association	404,464	5
Ozark Contest Club	364,824	5
Loudoun ARG	358,456	12
West Park Radiops	309,996	10
Salt City DX Association	279,128	3
Western New York DX Association	270,604	6
Order of Boiled Owls of New York	269,544	4
Schenectady ARA	266,046	3
Mile High DX Association	253,970	4
Bay Area Wireless Association	252,474	3
Woodbridge Wireless	251,558	5
Bergen ARA	222,974	9
Southwest Ohio DX Association	205,658	3
Hazel Park ARC	158,414	8
Radio Club of Tacoma	147,524	4
Franklin County ARC	143,402	3
Sturdy Memorial Hospital ARC	130,034	13
Ozaukee Radio Club	114,810	3
Central Michigan ARC	86,522	5
Carolina DX Association	70,348	3
Murgas ARC	31,890	3
Lawton Fort Sill ARC	25,504	3
Local Category		
Spokane DX Association	985,614	8
Western Wireless Contest Club	782,642	5
Raytown ARC	750,080	4
CT RI Contest Group	616,188	10
Eastern Connecticut ARA	270,700	4
Northern New York Contest Club	228,722	8
Medina 2 Meter Group	151,528	3
St Clair Amateur Radio Club	138,772	3
Williamsburg Area ARC	132,970	5
Northern Rockies DX Association	127,542	3
Sterling Park ARC	115,978	9
Meriden ARC	113,590	6
10-70 Repeater Association	105,868	4
Rappahannock Valley Radio Club	97,008	3
Old Barney ARC	41,896	3
Hamfesters Radio Club	38,412	3
Alexandria Radio Club	33,036	3

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numbers, but credits experience and improving accuracy for the tie.

He's not taking anything for granted. With a reliance on high-band operation, don't be surprised to see WP3R's scores wane with the sunspots, though it remains to be seen if his dominance will take a hit.

Rich was more than 60,000 points ahead of no. 2 Mike, KH6ND, signing KH7X, with 363,040 points. K5TR with 334,720, WBØO (326,720), K4XS (326,080), W7WA (320,160), K6NA (313,760), WØSD (306,720), VE6JY (300,800) and K7RI (294,400) round out the Top 10.

Mike, KH6ND, thinks the waning sunspots will hamper his efforts from Hawaii in the coming years and give more prominence to Midwest stations like Bill's, WBØO, though Bill is unconvinced. "KH6 will always be DX. North Dakota is rare but I worked seven or eight. I only heard one Hawaiian."

Even Rich, KE3Q, concedes that lower MUFs could shorten his 10-meter openings: "Lower MUFs could mean I don't get the good opening or don't get it as long. And, it means that even if I have a good opening, if the bulk of the activity is on a lower band it can be a mistake for me to be on the higher band. I just don't know.

"Whether declining sunspots will affect my competitiveness, I just don't know. If we all suffer equally, maybe I'll be okay. If I suffer the effects more, or less, it could make the difference," he said. He's hopeful the sunspots will hold out till this fall to let him take another run at his record, but he's fairly certain that after 2003, his record is safe, even from himself. But he's not taking the sunspot decline lying down, either. "I expect I'll be improving the Beverage(s) at WP3R in coming years so that if I'm forced to go to 80 I'll be able to hear better. Parallel 220-footers might be the thing."

George, K5TR, isn't about to count WP3R out just yet. "KP4 has a propagation and rareness advantage that is very hard to overcome. The propagation advantage is the real key—being at a distance from the US that provides conditions where you are one of the few signals on the band is a huge thing to have going for you."

Rich is adamant that location is not the only factor in winning. It's important, no question, but the top characteristic in his books is desire. The choice to find a Caribbean (or Gulf Coast) location, to build a superstation and then to make it all come together all starts with one thing: desire.

And as dominant a player as WP3R has been, it's not a superstation by any means. Well-equipped, yes. Good antennas, yes. But there is only one tower.

Winner of the Single Operator Low Power category was Gary, VA7RR.

There are no multiple stacks beaming multiple directions at once. Hardware for the lower bands is of the wire variety. And as we pointed out last year, he has to sleep under the operating bench.

Mike, KH6ND, had a great year at KH7X. But he'll be happy this year to just hold on to the Pacific Division title. "With 10 meters going away in a hurry, this year will be really tough from out here," he said. "Should be interesting."

He expects Top 5 to be dominated again by stations like George, K5TR, and Bill, WBØO. "These guys will move up in the standings once we lose 10 meters out here, and deservedly so. Most of the Top 5 scores will begin to move to the Midwest and Southwest again as the sunspots continue to decline." He's confident he could go to Windwood (WP2Z) and mount a credible challenge to Rich's SS supremacy but it's "just too expensive to rent the place for a 24-hour contest." No. 4 Bill, WBØO, credits his success to two things: no. 1—"Fifteen just wouldn't stop," and no. 2—"Fifteen just wouldn't stop."

Bill's station is located in north central North Dakota high on a hill. Though he has two towers, they're only 50-footers. He doesn't need anything taller on top of a 400-foot mound. One sports a TH7DXX locked on the southwest and the other has a rotatable TH7DXX that's usually fixed on the eastern seaboard. A TS-930 and Alpha drive a Stackmatch that splits the 1500 W to both antennas, unless there's a frequency fight under way.

The arrangement gives him a dominant signal into the most populous ham radio areas in the US. He just wishes he could be a few more miles north, where a VE4 prefix would give him a big edge over a relatively anonymous 2×3. (I can attest to the fact that VE4 is worth a few dB of gain at least.) For the low bands, he has a pair of four-squares, one for 80 and one for 40.

Another Bill, K4XS, placed fifth. "Aside from the usual WP3 operation, I'm the only Top 10 east of the Mississippi," he said. What that means, he said, is the majority of his work is on 20, a distinct disadvantage given the crowded conditions over the more open areas of 10 and 15. He thinks WBØO passed him in the standings (WBØO had 25 fewer raw QSOs) partly due to a higher UBN brought on by the crowded conditions on 20. In the final results, WBØO beat K4XS by only four QSOs.

"This year I only did 1050 QSOs on 20. In the past I have had as many as 1500 QSOs on that band. The other two workhorse bands are 15 and 40. Fifteen was especially productive this year with 775 QSOs. Usually I do more on 40 but that will pick up next year with the spots going down."

Multioperator

Leading the multiop class is a station that really doesn't expect to be competitive. "We usually do it for fun and not as a competitive venture," said Bob, W7GG. "We did well in the 2002 SS mainly due to very good propagation especially on 10 m. When 10 is open we do typically well from the NW in domestic tests!" Did well, indeed. Bob's crew of Ken, K7ZUM, Hank, KR7X and 15-year-old Jordan, KC7TWZ racked up 2082 Qs and a sweep for 333,120 points, some 144 Qs ahead of no. 2 K9NS.

Bob said he opens his station to multiop efforts as a way to attract newbies and develop some talent. So far, it's working in at least one case. "Jordan is Ken's son and is developing into a good contest operator!" K9NS (310,080), W6YX (300,160), WP2Z (287,040), KTØR (281,600), N5DO (259,520), N8HR (252,000), WØNO (241,920), N8KR (240,060), and K8CC (240,160) round out the Top 10.

The winner from 2001, WP2Z, operating at the famed Windwood hamcation rental property on St. Croix, had another, more catastrophic visit from Murphy in 2002. While in 2001, the problem was a minor networking issue that didn't keep them off the air, this year it was the backup generator. Not thinking that was a problem, since power usually only goes out during hurricanes, Stan, K8MJZ and Eric, KT8O, proceeded. Then on Sunday morning, the AC went out from 9 AM to 1:30 PM. With a 300-Q gap between them and no.1 W7GG, the resulting downtime is probably the difference between first and fourth.

The QRP category was touched by tragedy this year. Last year's winner and all-time record-setter, KL7Y (WA2GO op) was silent this year after Dan, KL7Y, died in an accident in October, shortly after a stint at KH7X in WW.

K9TM won the class with 832 QSOs and a sweep for 133,120 points. K7MM (119,448), KO9A (114,550), VE4MM

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(100,480), WA8ZBT (93,440), K1AM (90,240) KX9X (85,280), NØUR (74,328), N8IE (67,680) and N9NE (65,412) were the Top 10.

Tim, K9TM, holds no illusions about why he won. "I think the key was that people in other areas were not doing serious QRP efforts. The only thing that I did was keep going back for more," he says. He's not convinced his return this year will be in QRP. "I was not ready for how much different Q would be from A. It is very disheartening to work people who have numbers much larger than yours and to have to continue to turn the dial rather than be able to run."

To win QRP, he says, "you must love to S&P. Generally speaking, I don't. I like to run and I like rate. There is a big difference between the first hour 175+ I did from WØGU (N2IC) a couple years back and doing Q power from OH. It took 4 hours of Q power S&P to get those 175 Qs."

In unlimited, Dave, K6LL, nudged out WB1GQR. Dave admits that unlimited is a refuge for stations in areas or equipped such that competing with the B-class stations is difficult if not impossible. "That was the main reason, in my case," he says. "Not only location, but hardware. I saw that K6LA won SSCW U last year, and I didn't even make the top ten in B, but our scores were very close. That's what gave me the idea in the first place."

Dave's hardware once again shows SS is not always about aluminum. His tribander is at 48 feet, his shorty-forty is at 55 and he has a half-sloper at 45.

"Arizona used to be great, geographically, until all the Technicians on 10 meters graduated to General class, and moved to other bands. Now Arizona is ho-hum."

And in a competitive spirit, he adds: "Also, I like the sound of 'unlimited.' Who wants to be limited?" Packet was not a distraction, he says, since he only used it briefly, on an untested Telnet connection through a dial-up modem that kept getting RFed. Getting that working is one thing he'll do differently this year, but even so, with a limited number of multipliers, many of which seek out the CQers anyway, how big an impact packet has is unclear.

Dan, K6IF, first started contesting back in the 1970s. Then college kicked in, and "despite valiant efforts by W2VJN," almost 20 years lapsed before he got back in. At his parents' home in the 1980s, he ran a four-element TET (remember those?) tribander, racking up 1450 QSOs and a sweep in 1981 as N6BZA. In those days, George, WB5VZL (now K5TR) and Gary, WA6VEF (now VA7RR—funny how this comes full circle) were mentors of a sort.

A year after his 1981 stint, college. Then work. Then a family. It wasn't until he bought his parents' house in 1997: "What did I find but my old inverted V and TET." That was enough to get him back on the air, but 2002 would be his first serious effort after 964 raw QSOs and a sweep the year before in only 13 hours. "I knew then that I would make a serious effort in 2002."

The operators at overall fifth place finisher KTØR: Dave, KTØR, Alan, KØAD, Greg, KØOB, and Jeff, KØMX.

From his parents' house, he began building a station in Boonville, California, and now sports a C31XR at 72 feet, a C-3E at 45 feet, 2 element 40 meter Yagi at 82 feet, 80 meter rotatable dipole at 87 feet, all on one tower and fed by a pair of TS-850s, an Alpha 76PA and an Ameritron AL-1200.

"Typical West Coast strategy—stay on the highest band that is open, point your antennas at 70 degrees and call CQ." It worked: Dan's final count was 1800 by 80, good for 13th place. Not bad for a rusty hand.

If the 2002 running of the Phone SS proves anything, it's that anybody, except perhaps in high-power, can win. W7GG certainly didn't expect his multiop effort to come out on top; K9TM credits the lack of more geographically advantaged stations for his QRP win and VA7RR not only gave VE4GV a run for his money, he beat him. You don't need a superstation to compete. You just need heart, desire and accuracy. Staying in the chair doesn't hurt either.

Affiliated Club Competition

The unlimited club competition reads a little like the high-power class: last year, Society of Midwest Contesters, followed by a bunch of others. This year, it was Society of Midwest Contesters followed by...you get the idea.

In the tighter races, Potomac Valley Radio Club couldn't eke past last year's no. 2 Northern California Contest Club, which stayed ahead of Minnesota Wireless Association. Yankee Clipper Contest Club finished fourth again this year, but thanks to Mad River Radio Club, is no longer in last place. That SMC has such a large lead (22.4 million points to 15.6 million) is in no small way related to the lead it has in contesters (387 vs 183). But on an average basis Mad River comes out on top, with 103.5 k points per team club member vs 57.8 k for SMC, 85.3 k for PVRC and 94.7 k for NCCC. But just like party leadership conventions, it's the club with the most points, SMC, that wins, irrespective of membership. Must be those cold W9 winters....

In the medium category, Southern California Contest Club, with five fewer members, beat Florida Contest Group by almost 1.5 million points, 4,861,714 to 3,467,230. Tennessee Contest Group was third with 3,327,554 points, Frankford Radio Club fourth with 3.3 million points followed closely by Western Washington DX Club with 2.5 million points.

In the local category, Spokane DX Association proves bigger isn't always better, winning with 985,614 points despite having eight members to fourth-place Connecticut Rhode Island Contest Group's 10. Second place Western Wireless Contest Club, with half the members of CT RI, proves the point even more clearly. Raytown ARC's four members, with 750,080 points and third place, also shows size doesn't matter. Eastern Connecticut ARA's 270,700 points round out Top 5.

Low Power… High Power… QRP… Single Operator… Multioperator… School Club…. It takes all kinds of stations in order to have a successful November Sweepstakes. Sweepstakes is a challenge, because of the exchange. It is a true test of operating ability because it's more than just a readable signal—it is getting a detailed message through the static, QRM, QRN and QSB. Whether you work all the sections for a sweep, work 100 stations for the pin, or just get on to hand out a few points to your friends, the ARRL November Sweepstakes is the hottest domestic contest going. See you on the bands November 15-17, 2003.

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Scores

Within each Section, scores are listed in descending order by entry category,with single ops followed by multioperators. Line scores list call sign, score QSOs, multipliers, hours, class (Q = QRP, A = Low Power, B = High Power, U - Single Unlimited, M = Multioperator, S = School Club).

PH

1

Connecticut

NT1N 63,832 404 79 B
W1WEF 53,440 334 80 B
KA1VMG 24,192 168 72 B
W1HQ (NT1N,op) 13,900 139 50 B
W1JQ 118,400 740 80 A
W1CTN 100,160 626 80 A
WV1M 49,452 317 78 A
NX1Q 31,602 229 69 A
WA1ZEK 28,800 180 80 A
NG1J 18,078 131 69 A
W1AAD 16,896 128 66 A
W1DMM 16,864 136 62 A
KE1AU 13,786 113 61 A
WW3K 12,800 80 80 A
K1KAV 12,420 115 54 A
W1SAM 11,118 109 51 A
K1MKF 950 25 19 A
W1AMF 33,600 224 75 Q
W1PG 19,220 155 62 Q
W1QK 155,520 972 80 U
K1JN 87,040 544 80 U
W0BR 61,304 388 79 U
N1NQD 38,720 242 80 U
AK1O 28,908 198 73 U
WS1F 11,100 74 75 U
NZ1U (KB1DFB, NB1U, N1XS, ops) 142,400 890 80 M
W1NRG (N1API, KB1CIW, KB1IDE, N1JEO, KIMKF, W1KKF, WY1U, N1XXU, ops) 48,640 304 80 M
W1AW (NT1N, K0BOG, ops) 24,304 217 56 M

Eastern Massachusetts

N1DD 187,520 1172 80 B
WC2W 80,028 513 78 B
K5MA 64,960 406 80 B
K1YA 4,144 56 37 B
K1EP 137,440 859 80 A
K1HT 101,948 662 77 A
WG1Z 72,320 452 80 A
K1PNQ 67,032 441 76 A
NE1RD 46,800 325 72 A
K1GU 36,696 278 66 A
WA1OLV 26,130 201 65 A
W1TI 25,944 188 69 A
N1DC 25,920 180 72 A
K1JWP 25,192 188 67 A
KC1SQ 22,554 179 63 A
WA1SYH 20,292 178 57 A
N3KCJ 17,080 140 61 A
W1XS 13,802 103 67 A
KY1B 11,880 90 66 A
W1FNM 10,800 120 45 A
KD1XX 10,692 99 54 A
KA1EZH 10,400 104 50 A
K1SM 10,200 102 50 A
K1VU 8,742 93 47 A
WZ1K 6,640 83 40 A
AE1X 4,988 58 43 A
W1CJM 1,080 30 18 A
W1MJ 624 24 13 A
W1TW 608 19 16 A
W1BRM 338 13 13 A
W1EM 39,000 250 78 Q
K1CGJ 14,000 125 56 Q
K1RC 13,340 115 58 Q
WB1EHL 6,808 92 37 Q
W1RY 49,138 311 79 U
K1TH 48,020 343 70 U
KD1EA 15,444 117 66 U
K1JE 11,704 76 77 U
AG1C (+ K1RDD) 80,800 505 80 M
W1AF (WD8ODC, N1EXQ, K1XQ, N1QZY, KC8RXT, KB1GRS, ops) 45,600 300 76 M
N1OEF (+logger) 15,080 145 52 M

Maine

W1AO 221,920 1387 80 B
NY1S 77,462 503 77 A
N1NUA 57,920 362 80 A
KA1OQ 24,960 195 64 A
N1MHB 18,090 135 67 A
N1YIS 832 26 16 A
N1FQ (+K1FQ) 66,576 438 76 M

New Hampshire

K0TV 139,198 881 79 B
AF1T 12,800 80 80 B
W1DAD 116,800 730 80 A
WB1EDI 48,032 304 79 A
K1TR 28,560 204 70 A
N1NKC 25,012 169 74 A
NE1B 18,802 119 79 A
WV1G 9,984 96 52 A
KB1DOR 5,740 70 41 A
K1RAB 690 23 15 A
KC1F 63,520 397 80 U
K1HI 56,502 387 73 U
K1RX 126,400 790 80 M
WA1VKO (+AF1T) 110,080 688 80 M
KZ1O (+ N1OEZ) 71,574 453 79 M

Rhode Island

W1OP 144,320 902 80 B
W1WIU 23,232 176 66 B
WX1X 4,218 57 37 B
K1VSJ 66,834 423 79 A
N1HRA 52,160 326 80 A
AA1PV 15,732 138 57 A
W1CI 5,822 71 41 A
N1DPY 5,106 69 37 A
NB1U 4,224 66 32 A
K4IJK 1,976 38 26 A
KB1IAR 780 26 15 A
KA1EZE 576 18 16 A
K1AM 90,240 564 80 Q
KI1G 120,320 752 80 U

Vermont

K1KD 228,320 1427 80 B
KK1L 226,880 1418 80 B
WX1O 68,160 426 80 B
KE1FO 66,768 428 78 A
N1RJF 50,400 315 80 A
W1ECH 49,760 311 80 A
AA1SU 37,152 258 72 A
KA1LDS 36,176 238 76 A
W1ZN 29,862 189 79 A
KB1GPQ 11,628 114 51 A
W1VM 5,100 75 34 A
N1YTY 252 14 9 A
WB1GQR (W1SJ, op) 279,200 1745 80 U
W1US (+K6ND) 98,592 632 78 M
W1GMW (W1ECH,N1YTY,N1HLG, NN1C, KB1HZG,KB1HZD, KB1DSR,ops) 14,560 140 52 M

Western Massachusetts

K1TTT 12,100 110 55 B
KZ1M 127,360 796 80 A
KX1X 117,000 750 78 A
KK1W 51,680 340 76 A
K5ZD 48,828 313 78 A
W1TO 35,076 222 79 A
WB1AUV 16,900 130 65 Q
W1YK (KB3AWM, N1PFC, N2YHK, ops) 177,600 1110 80 M

2

Eastern New York

W2PS 191,200 1195 80 B
NE2I 92,640 579 80 B
N2SQW 83,424 528 79 B
K2ONP 71,400 476 75 B
KE2DX 64,540 461 70 B
W2FCA 28,656 199 72 B
KB2SSZ 27,202 203 67 B
KD2N 21,804 158 69 B
K2UF 112,160 701 80 A
W2WC 101,120 632 80 A
WT4Q 59,724 378 79 A
N2MTG 54,112 356 76 A
KC2DTJ 44,850 299 75 A
WB2TCV 36,652 238 77 A
K2MIT 24,552 186 66 A
WB2KHE 17,766 141 63 A
N2XPW 17,760 148 60 A
WK2S 15,008 134 56 A
N2CJN 8,720 109 40 A
K2CBI 2 1 1 A
W2ENY 10,080 112 45 Q
WE2F 155,840 974 80 U
N2LH 131,680 823 80 U
NA2NA (+ W2GDJ) 210,080 1313 80 M
W2MU (KD2NE, N2SA, W2XL, ops) 161,280 1008 80 M
N2POS 137,460 870 79 M
KY2J 120,640 754 80 M

Northern New Jersey

W2RQ 126,240 789 80 B
N2IHN 15,498 123 63 B
K4BNC 12,800 80 80 B
KB2FM 2,460 41 30 B
K2WA 62,080 388 80 A
W2VQ 54,978 357 77 A
N2GM 54,826 347 79 A
N2NC 51,120 360 71 A
WA2LXE 40,964 266 77 A
K2YLH 39,760 284 70 A
K2DBK 39,516 267 74 A
KG2MV 35,264 232 76 A
W2VU 26,796 231 58 A
KB2UTD 17,760 111 80 A
K2ZB 15,860 130 61 A
N3RB 12,240 120 51 A
N2LK 10,890 99 55 A
K2AMI 8,466 83 51 A
W2LRO 4,148 61 34 A
WA2NXK 1,632 34 24 A
KA2NJP 1,408 32 22 A
W2JEK 4,420 65 34 Q
N2ED 114,550 725 79 U
K2AF 27,566 179 77 U
W2LE 19,500 125 78 U
W2KD 15,200 95 80 U
K2PF 10,950 73 75 U
AB2DE (+KC2AVE, N2KPB) 137,618 871 79 M
KF2EW (+ KC2GDT) 38,776 262 74 M
W2MSU (W2NAF, WV2ZOW, KA2ANF, AA2AV, ops) 14,136 124 57 M

Northern New York

W2IB 9,576 133 36 B
NS2P 106,080 663 80 A
WB2KLD 31,682 217 73 A
NT2W 29,436 223 66 A
WE2A 27,560 212 65 A
N4TW 16,240 145 56 A
NN2L 16,160 101 80 A
N2JNZ 8,448 88 48 Q
K2NNY (AF2K, K2DB, K2DV, N1OKL, N2OPW, ops) 189,920 1187 80 M
N2USN (+N2WUB) 54,444 349 78 M

NYC-Long Island

AD2S 71,250 475 75 B
WB2BXO 10,028 109 46 B
K2Z (KD2RD, op) 147,040 919 80 A
KS2G 89,856 576 78 A
N2PN 50,880 318 80 A
KA2D 49,452 317 78 A
N2MUN 49,350 329 75 A
WB2JUF 47,550 317 75 A
K2DO 39,312 273 72 A
K2RED 25,440 212 60 A
WB2OQQ 20,520 135 76 A
WA2RXS 10,272 107 48 A
KA6WBQ 7,104 96 37 A
WB2TPS 2,214 41 27 A
AA2VK 42,920 290 74 Q
KD2HE 3,038 49 31 U
NY6DX 64,320 402 80 M

Southern New Jersey

N2RM (N2NC, op) 63,190 445 71 B
N2DWS 22,600 226 50 B
W2RDS 95,200 595 80 A
KV2M 75,840 480 79 A
W2QOB 25,620 183 70 A
W5KI 9,856 88 56 A
KF2BQ 9,116 106 43 A
KV2R 6,240 78 40 A
K2BL 5,016 57 44 A
W2FGY 4,884 66 37 A
KA2BXH 576 18 16 A
N2OO 9,680 110 44 Q
AD3Y 2,494 43 29 Q
N2MM 224,800 1405 80 U
N1RK 128,770 815 79 U
KF2Y 27,972 189 74 U
K2UT (+ AA5B) 39,520 247 80 M

Western New York

N2MF 174,432 1104 79 B
NA2A 100,776 646 78 B
K2CF 52,800 352 75 B
WB2OSM 39,184 248 79 B
WR2V 21,560 154 70 B
KI2X 15,930 135 59 B
KZ2K 3,920 56 35 B
W2KA 118,720 742 80 A
K2LV 116,130 735 79 A
N2DBI 40,600 290 70 A
WB2ABD 37,050 247 75 A
AA2TM 31,524 222 71 A
WB2HWI 29,648 218 68 A
AA2IZ 27,392 214 64 A
WB2WPM 27,258 177 77 A
WD2F 21,080 155 68 A
N2LTC 18,998 161 59 A
KU2US 17,280 108 80 A
KB2SEU 16,640 128 65 A
KB2KOL 15,276 134 57 A
K2QR 14,400 150 48 A
N2CK 12,190 115 53 A
KC2FNE 8,692 106 41 A
N2CU 8,686 101 43 A
KF2SJ 7,872 82 48 A
KV2X 3,024 42 36 A
N2LQQ 1,120 28 20 A
N2XT 17,760 111 80 Q
AA2MU 148,480 928 80 U
K2FU 139,198 881 79 U
K2MP 38,394 243 79 U
K2IWR (N2MRE, KB2FAF, KB2LUV, KB2NCW, ops) 38,220 273 70 M
NG2P 26,448 174 76 M
KF2VX (+K2ZUW, KB2TYC) 24,616 181 68 M
W2CXM (KB9ZUU, KB9YER, KB2ZWZ, N2SZL, KC2HUL, N2YX, N2VR, ops) 120,000 750 80 S

3

Delaware

N3DXX 97,656 626 78 B
NY3C 77,104 488 79 A
W3MAX 46,512 306 76 A
W3PP 122,240 764 80 U
AA1K 9,116 106 43 U
N3KRX (+ N3WCB, KB3DGL, AA3ZH) 46,768 296 79 M
W3DOV (K3LT, KE3UY, K0UWO, ops) 24,570 195 63 M

Eastern Pennsylvania

W3IZ 92,400 616 75 B
W3FV 74,720 467 80 B
K3PP 72,000 480 75 B
K3MD 71,764 466 77 B
K3TUF 71,258 451 79 B
WB3IZF 40,040 260 77 B
N3ONM 26,550 177 75 B
W3AP 6,510 105 31 B
N3RM 57,038 361 79 A
K1DS 51,636 331 78 A
K3EGE 43,660 295 74 A
KB3AGZ 30,652 194 79 A
N3GNW 29,670 215 69 A
WA2FHF 23,808 192 62 A
AA0CY 23,214 159 73 A
W3DWH 20,276 274 37 A
W3OFD 18,576 129 72 A
N3OW 16,632 126 66 A
W3SSS 16,356 141 58 A
KE3TC 10,440 116 45 A
W3JM 9,976 86 58 A
N3WL 9,898 101 49 A
KB3FCS 6,232 82 38 A
K3SWZ 36,778 259 71 Q
N3RN 3,234 49 33 Q
KD3TB 102,068 646 79 U
K3WW 70,400 440 80 U
K3SV 35,360 221 80 U
WY3T (+N3JRX) 27,824 188 74 M

Maryland-DC

K3MM 262,280 1660 79 B
K3ZO 236,800 1480 80 B
K3PN 197,280 1233 80 B
N3FX 154,080 963 80 B
N1WR 144,480 903 80 B
N4GG 144,320 902 80 B
N3WD 95,040 594 80 B
W3MC 91,050 607 75 B
W3ZZ 86,426 547 79 B
N3UM 54,234 393 69 B
N3OK 32,480 232 70 B
W3BW 24,804 159 78 B
W3LL 82,950 525 79 A
K1HTV 71,292 457 78 A
W3ARS 52,896 348 76 A
KF3BN 50,312 331 76 A
WB4FDT 48,600 324 75 A
W3EF 46,720 292 80 A
W3AZ 37,660 269 70 A
K3CKT 37,000 250 74 A
W3CB 35,332 242 73 A
K1RH 32,266 221 73 A
W3DQ 32,112 223 72 A
N3VOP 31,824 221 72 A
N3CAL 30,720 192 80 A
W2GG 27,462 199 69 A
NS3T 20,586 141 73 A
W3GCW 17,472 156 56 A
KT3D 16,200 135 60 A
N3SEO 15,244 103 74 A
K3YDX 14,742 117 63 A
WA3G 14,152 116 61 A
W3CP 13,970 127 55 A
N3SOK 13,802 103 67 A
N4LF 11,960 115 52 A
K3ZE 10,656 111 48 A
KA3TCC 9,936 92 54 A
W3DAD 8,736 91 48 A
WK3H 2,356 38 31 A
K3KU 1,440 36 20 A
N3UR 42,642 309 69 Q
K4CGY 11,040 115 48 Q
W3FAY 4,160 65 32 Q
KD4D 246,400 1540 80 U
K2PLF 225,920 1412 80 U
N3OC 135,680 848 80 U
N3AM 129,920 812 80 U
N3II 128,960 806 80 U
WX3B 109,920 687 80 U
K3DNE 103,896 666 78 U
W3HVQ 98,908 626 79 U
K3RA 62,560 391 80 U
N3HUV 50,400 315 80 U
K3TW 24,640 154 80 U
WR3L (+K3FT, WR3Z) 195,040 1219 80 M

K3PZN (AA3XZ, AK3Z, K1RH, K3ZE, N3GQJ, N3GQK, N3SB, N3VOP, N3YIM, W3ARS, WX3B, 136,812 877 78 M
K3DI 117,760 736 80 M
W3LJ (+ K3NCO, W3IDT) 84,000 525 80 M
N3FJP (+ KA3SEQ) 29,260 190 77 M
AJ3M 25,326 189 67 M
W3LRC (K3HDM, KA8YPY, KB3BWR, KT3D, W3YD, WK3X,ops) 19,728 137 72 M

Western Pennsylvania

W4ZE 64,752 426 76 B
N3EMF 52,136 343 76 B
WA3GQU 20,800 160 65 B
W3GH 110,080 688 80 A
WA3SES 73,408 496 74 A
W3FI 66,044 418 79 A
AA3ZV 46,880 293 80 A
N3LL 42,900 286 75 A
KE3KD 32,100 214 75 A
W3RJM 24,684 187 66 A
N3LLR 19,886 163 61 A
N3SD 19,030 173 55 A
WN3VAW 14,042 119 59 A
WB3AVD 12,036 118 51 A
K3MI 11,748 89 66 A
KS1F 8,580 65 66 A
AD8J 4,752 72 33 A
AA2AD (+ KB3HJN) 14,688 144 51 M

4

Alabama

KY5R 238,080 1488 80 B
W4NTI 93,280 583 80 A
W6DSQ 25,090 193 65 A
W5DLM 15,104 118 64 A
K4OE 9,504 99 48 A
AB4EJ 5,400 75 36 A
WB4HUX 60 5 6 A
W4DEC 1,000 25 20 Q
K4WI 188,480 1178 80 U

Georgia

K4BAI 143,040 894 80 B
WW4LL 138,400 865 80 B
W2DR (W4PA, op) 13,992 132 53 B
W4ATL 186,080 1163 80 A
N4LR 112,160 701 80 A
KT4Q 87,680 548 80 A
KU8E 63,674 403 79 A
WA2FTC 45,144 342 66 A
W4QK 42,408 279 76 A
K4SB 40,964 266 77 A
AE4Y 22,490 173 65 A
K4YJ 6,272 64 49 A
K4GA 5,712 68 42 A
N4WD 2,576 46 28 A
KG4TUL 2,244 51 22 A
WB6BWZ 34,456 236 73 Q
NE4S 138,684 889 78 U
W4AQL (W4EGT, KG4RUO, KG4SJZ, WJ4RM, ops) 104,800 655 80 S

Kentucky

KD4ULE 14,904 138 54 B
N4XM 11,554 109 53 B
KY4AA (K9GX, op) 145,676 922 79 A
WR4F 88,160 551 80 A
K4IE 72,320 452 80 A
K3VIN 50,400 315 80 A
AC4PY 48,960 306 80 A
AE4GH 47,680 298 80 A
KO4OL 26,980 190 71 A
KY4A 22,656 177 64 A
KM4FO 9,964 94 53 A
KG4OCJ 8,096 88 46 A
N4RZ 7,104 111 32 A
KY4KY (KC4WQ, op) 4,712 62 38 Q
KD4SN 70,560 441 80 U
K8SCH (K4BRI, WA6EZV, WB4SUV, AC4XS, WB8JHT, KG8AP, ops) 30,856 203 76 M

North Carolina

W4MR (AA4NC, op) 277,120 1732 80 B
K4QPL (@ N4AF) 183,520 1147 80 B
NX9T 166,240 1039 80 B
N4CW 84,530 535 79 B
KG4NEP 55,480 365 76 B
N2BT 50,402 319 79 B
AE4NR 34,484 233 74 B
N4TL 33,984 236 72 B
AD4IE 31,350 209 75 B
W2CS 22,188 258 43 B
W4LN 20,000 125 80 B
KW4DA 12,956 82 79 B
WB4MSG 8,722 89 49 B
W4IDX 99,520 622 80 A
KZ2I 71,840 449 80 A
NI4S 70,400 440 80 A
W2DZO 54,560 341 80 A
KI4KK 39,624 254 78 A
K4TMC 30,690 279 55 A
N4NTO 25,578 203 63 A
KK4LH 25,480 196 65 A
K4YYR 25,480 182 70 A
K4WES 12,208 109 56 A
W4WNT 11,400 114 50 A
WA2SRY 8,342 97 43 A
KV4CN 5,580 62 45 A
W4TME 3,672 54 34 A
N5FPW 47,580 305 78 Q
AG4NY 10,062 117 43 Q
N4ZAK 6,270 95 33 Q
K4MA 224,960 1406 80 U
KO7X 82,880 518 80 U
K3KO 48,348 306 79 U
W3GQ 48,160 301 80 U
KA1ARB 118,720 742 80 M
N4ARW (+K4JRP, KA4APA) 18,648 148 63 M
WF4DD (KG4CZU, op) 64,622 409 79 S
W4ATC (KG4JXE,KG4JXF, KE4QIV,ops) 10,504 101 52 S

Northern Florida

K4VUD 234,880 1468 80 B
W7QF 16,644 146 57 B
WB4OMM 129,402 819 79 A
KB4N 20,008 164 61 A
W3TMZ 17,160 110 78 A
K4LW 11,760 120 49 A
W4EBA 11,550 105 55 A
WB4DAH 9,696 101 48 A
WB2GRX 6,120 90 34 A
KC5R 24,820 170 73 Q
KQ4YY 18,910 155 61 Q

Puerto Rico

WP3R 425,280 2658 80 B
WP4LNY 8,372 91 46 A
WP3GW 260 13 10 A

South Carolina

N2XD 171,746 1087 79 B
N4EHT 690 115 3 B
KB4GYT 76,480 478 80 A
K4ADI 45,892 298 77 A
WA8OJR 20,034 159 63 A
AG4QR (+KE4NNS) 26,520 204 65 M

Southern Florida

N4BP 228,000 1425 80 B
KK4TA 79,092 507 78 A
K5EEE 54,824 356 77 A
WA4ASJ 54,132 347 78 A
K4RFK 48,860 349 70 A
KC4HW 39,600 264 75 A
K4MM 29,072 184 79 A
KR4ZA 26,460 189 70 A
AA4RX 25,992 171 76 A
KB4UF 20,174 131 77 A
K9VV 19,712 154 64 A
WT5L 16,940 110 77 A
WD4DUI 12,096 112 54 A
W4TTZ 10,904 94 58 A
KU4OS 2,352 42 28 A
KG4VLF 198 11 9 A
K9ES (+ AD4ES) 171,680 1073 80 M
W4IX 71,360 446 80 M
N4CU (+ KN4HX, KI4US) 10,608 104 51 M
W4MOT (KG4MLC, AF4YS, KG4EQY, ops) 9,984 96 52 M

Tennessee

K4BP 173,920 1087 80 B
KØEJ 104,576 688 76 B
K4LTA 88,796 562 79 B
K4RO 50,836 358 71 B
W4RK 43,500 290 75 B
KE4KMG 36,036 234 77 B
W4NZ 18,480 165 56 B
W4OGG 16,320 120 68 B
K4WX 173,760 1086 80 A
NA4K 171,040 1069 80 A
NY4T 152,320 952 80 A
K4BEV 93,120 582 80 A
W4DAN 77,250 515 75 A
NY4N 65,208 418 78 A
AB4GG 56,480 353 80 A
WA4JA 49,920 320 78 A
W9WI 28,024 226 62 A
WA4OSD 27,560 212 65 A
W4NI 25,668 186 69 A
AD4F 19,642 161 61 A
W4DWB 17,766 141 63 A
N4UW 17,550 117 75 A
K4AMC 13,440 105 64 A
KA4MRR 7,904 104 38 A
WO4O 4,828 71 34 A
WB9BSH 4,560 60 38 A
KC4URW 1,968 41 24 A
WN4M 300 15 10 A
AAØBA 41,964 269 78 U
N4JN 10,152 94 54 U
N4FR (KA4OTB, KF4BBH, W4GHD,ops) 40,888 269 76 M

Virgin Islands

WP2Z (K8MJZ, KT8O, ops) 287,040 1794 80 M
NP2B (+W2UDT) 222,560 1391 80 M
KP2D (NP2DJ, NP2DZ, NP2W, ops) 44,616 286 78 M

Virginia

AC8Y 157,440 984 80 B
N4GU 100,000 625 80 B
K1GG 92,800 580 80 B
W4NYY 70,500 470 75 B
W4DF 61,308 393 78 B
KE4VA 48,240 335 72 B
W4YCZ 39,500 250 79 B
NC4S 35,784 252 71 B
N4PD 28,826 203 71 B
W6IHG 26,064 181 72 B
W4ZYT 10,602 93 57 B
K7SV 96,480 603 80 A
N4MM 61,280 383 80 A
WK4Y 51,680 323 80 A
K4EU 48,528 337 72 A
N5LF 45,880 310 74 A
K4ORD 44,104 298 74 A
N4JED 42,504 276 77 A
W4YE 41,118 267 77 A
K4DND 40,848 276 74 A
K1KO 39,750 265 75 A
KE4MIL 36,806 239 77 A
KI4VB 35,550 237 75 A
W2YE 34,748 238 73 A
AF4CD 33,970 215 79 A
K3EP 32,120 220 73 A
K1SO 29,670 215 69 A
N4KIT 28,880 190 76 A
W4ZY 27,472 202 68 A
KA4GFY 26,784 186 72 A
W4DAV 25,594 191 67 A
W4SD 24,696 196 63 A
KG4RGM 24,656 184 67 A
N3MA 24,570 189 65 A
WS8A 23,856 168 71 A
N5SMQ 23,688 188 63 A
KU4FP 23,572 166 71 A
KC1YC 22,656 192 59 A
WAØDYJ 22,272 174 64 A
AF4MO 18,012 158 57 A
W4PW 17,808 159 56 A
AE4IX 15,840 132 60 A
KI3O 15,510 141 55 A
W4XP 15,312 132 58 A
WA4FXX 15,240 127 60 A
K3HE 15,048 132 57 A
KC9LC 14,840 140 53 A
KF4UUY 14,204 134 53 A
N3QT 13,328 119 56 A
KJ4HZ 11,400 100 57 A
K3MZ 10,914 107 51 A
KC4YYX 10,900 109 50 A
AA4KD 10,816 104 52 A
N3GMW 10,340 110 47 A
WA3RGH 9,790 89 55 A
KS4JB 9,476 103 46 A
W4AU 9,118 97 47 A
WD4ELJ 8,554 91 47 A
KF4TJJ 6,300 70 45 A
N8IK 4,824 67 36 A
KF4TJI 3,672 54 34 A
WB2SAI 1,700 34 25 A
KG4LTB 1,428 34 21 A
W4TFS 864 24 18 A
N4UXA 864 24 18 A
KG4RZH 200 10 10 A
K4WY 18,492 138 67 Q
N8FK 14,280 140 51 Q
K3SS 12,960 120 54 Q
W4MYA 233,440 1459 80 U
W4NF 231,680 1448 80 U
N6ZO 83,898 531 79 U
W4TNX 34,720 217 80 U
W4HJ 24,830 191 65 U
N4SR 14,560 91 80 U
N6MW 12,800 80 80 U
KM4M (K4JA, W3BP, ops) 197,600 1235 80 M
W4DC (+ N8CIA) 158,240 989 80 M
AF4UU (+W41M, KG4MJV) 85,478 541 79 M

West Central Florida

K4XS 326,080 2038 80 B
WC4E 79,790 505 79 B
W4JN 14,000 125 56 B
N4IG 64,000 400 80 A
N2EGO 28,116 198 71 A
W4IHI 23,450 175 67 A
N2UM 16,770 129 65 A
WN4DX 9,682 103 47 A
K4JHK 3,808 56 34 A
W4ZW 3,366 51 33 U
KA6R (+ KA6AFK) 43,950 293 75 M

5

Arkansas

NO5F 52,360 340 77 A
W5UOS 51,324 329 78 A
K5ACO 35,840 256 70 A
K1ARK 33,740 241 70 A
K5QNK 31,800 212 75 A
KA5QOF 26,052 167 78 A
KD5ATR 11,564 118 49 A
KJ5WX 10,302 101 51 A
K5DB (+W5OX) 197,600 1235 80 M
W5YM (N5UWY, KB5TFX, KG4VUH, K5KVN, K0LVR, K5FXB, ops) 83,460 535 78 M
N5AT (N5OOI, AF5M, N5LE, KC5NPU, W5DLH, K5VZ, KC5CMX, N5NAQ, KB5VJA, ops) 63,602 413 77 M
N5ZM (+ N5RN) 23,040 144 80 M

Louisiana

W5WMU 269,600 1685 80 B
AF5P 47,728 314 76 B
N5YE 43,624 287 76 A
N5II 31,624 236 67 A
W5CAT 13,680 114 60 A
N5JM 8,910 99 45 A
W5GAD (KD5BPR, N5OGW, KD5PCR, W5KB, WA5RT, WB7VTN, KD5EWD, ops) 51,744 336 77 M

Mississippi

N4OGW 34,000 250 68 B
WQ5L 54,612 369 74 A
WD5JNC 46,020 295 78 A
N5PU 43,056 276 78 A
W5UE 42,700 305 70 A
KJ5RC 33,760 211 80 A
KF4EWO 9,118 97 47 A
KE5K 61,440 384 80 U
W5LAR (KB5IXI, KB5RQL, KB5VLA, KC5YDR, N5KKG, N5NQ, N5PA, ops) 185,440 1159 80 M
KK5K (WJ5K, KD5JXL, KD5NSP, KD5TDH, KC5GHS, KC5TVI, KB5MDD, ops) 64,218 417 77 M
W5YD (K4ZAU,KC5OXI, KD5SDT,ops) 11,342 107 53 S

New Mexico

W5JOV 11,760 120 49 B
KE5BL 97,644 618 79 A
KM5P 79,680 498 80 A
W5GZ 54,984 348 79 A
K8TE 53,040 340 78 A
KD5AYW 18,216 138 66 A
WA7LNW 59,792 404 74 Q
K5MJE 36,190 235 77 Q
NA5S 212,000 1325 80 U
KK5OV (+KB5ZSK) 29,700 225 66 M

North Texas

K5ZO 229,732 1454 79 B
KZ5A 86,880 543 80 B
WD5K 126,400 790 80 A
K5FO 68,800 430 80 A
NN5T 54,352 344 79 A
N1CC 50,204 326 77 A
W5CX 43,200 288 75 A
NT5V 38,236 242 79 A
N5CHA 36,556 247 74 A
W5WB 24,332 154 79 A
K6AZA 12,852 126 51 A
N5TJ 12,654 111 57 A
AD5LU 10,848 113 48 A
KC5OZT 9,416 107 44 A
AC5TU 850 25 17 A
WA8ZBT 93,440 584 80 Q
KJ5RM 24,600 205 60 Q
AA5NT 162,880 1018 80 U
K1NT 136,960 856 80 U
W5GN 42,186 267 79 U
W5ZQ 12,800 80 80 U
KK5XM (+ N5OW) 46,512 323 72 M
WAØGNC (+WB5MFI) 33,300 225 74 M
NC7I (+ KD7JWV) 18,612 141 66 M
K5UTD (DK1CM, K5AEA, ops) 200,480 1253 80 S
WA5BU (K5LH,op) 41,652 267 78 S

Oklahoma

KB5BOB 177,120 1107 80 B
N7HRT 27,462 199 69 A
KØCIE 19,560 163 60 A
WX5DF 13,570 115 59 A
KA5BAY 3,744 52 36 A
NEØP 2,322 43 27 A
W5O 1,472 32 23 Q
KB1ZQ (+ N1LPN) 69,440 434 80 M
WDØGTY (+ WBØZWW) 56,160 360 78 M
KO5OK (NL7CO, WO7GIJ, ops) 21,710 167 65 M

South Texas

K5TR 334,720 2092 80 B
W5KFT (WM5R, op) 252,160 1576 80 B
W5RQ 160,960 1006 80 B
W5ASP 127,348 806 79 B
K1TU 80,000 500 80 B
W5XD 11,172 114 49 B
KD5TG 9,310 95 49 B
KD5TMF 6,688 76 44 B
K5WA 201,120 1257 80 A
W5KNZ 110,720 692 80 A
KY5V (KC5YKX, op) 68,376 444 77 A

NA4M 37,446 237 79 A
KD5LNO 36,498 237 77 A
N5AF 31,490 235 67 A
K5IX 30,494 193 79 A
N5KAE 24,174 153 79 A
K9MWM 22,176 168 66 A
AD6G 20,502 153 67 A
KN5Z 10,920 105 52 A
NI5O 22,984 169 68 Q
N2NHN 912 24 19 Q
WA5AA 69,362 439 79 U
N5MT 40,404 259 78 U
K5WW 25,984 203 64 U
AA5BF 2,958 51 29 U
N5XU (K5TWJ, K5PI, KM5TY, ops) 115,972 734 79 M
W5NN (K5NZ + logger) 84,960 531 80 M
KJ5MW (+KC5TAR, KD5CXD, N5KAE, KA5VZM) 31,512 202 78 M
AE5NL (+AE5DL) 30,720 192 80 M
N5RLQ (+ KA5KLU) 24,440 188 65 M
N5RBC (+ N5QVS) 11,526 113 51 M
N5VHO (+ KD5CAA) 3,780 45 42 M

West Texas

N5RZ 181,920 1137 80 B
N5LUL 14,040 135 52 A
K4NR 40,000 250 80 U
N5DO (+K5FD, KE5OG) 259,520 1622 80 M
N5ZMP (+ N5XXD) 23,556 151 78 M

6

East Bay

N6BV 289,600 1810 80 B
AI6V (KI7WX, op) 272,640 1704 80 B
K6AUC 188,652 1194 79 B
KF6RIP 185,280 1158 80 B
KE6ZSN 170,482 1079 79 B
W6CUS 134,784 864 78 B
N6RO 114,456 753 76 B
N6JS 86,736 556 78 B
W1HDO 17,136 153 56 B
W7DR 88,954 563 79 A
K6XV 88,396 574 77 A
KK6WT 34,304 256 67 A
K6BIR 28,560 210 68 A
N4EKV 20,352 159 64 A
KE6QR 18,290 155 59 A
N1GF 17,400 150 58 A
K6DF 15,120 135 56 A
K6SV 12,870 117 55 A
N6NG 12,376 91 68 A
WA6MHW 5,550 75 37 A
K7GT 3,456 54 32 A
K6LDX 32 4 4 A
W6RGG 66,880 418 80 U
N6TQS 37,752 242 78 U
K6JAT 8,924 97 46 U
W6ATV (+KD6KQW, N6MON, N6MQQ) 68,320 427 80 M

Los Angeles

K6LA 291,840 1824 80 B
W4EF 31,820 215 74 B
WA6HXF 10,804 73 74 B
N5BF 9,540 106 45 B
W6AQ 162,560 1016 80 A
N6TW 46,508 302 77 A
K6ZCL 37,584 261 72 A
W3SE 34,128 216 79 A
W6FFH 28,490 185 77 A
K6MMC 23,560 155 76 A
NO6B 22,952 151 76 A
WB6NFO 22,440 170 66 A
N6OPR 20,550 137 75 A
N6GL 10,900 109 50 A
WB8JCJ 7,452 81 46 A
KQ6EE 5,832 108 27 A
W6AFA 58,624 458 64 Q
W6RCL 34,452 261 66 Q
NK6A 23,760 180 66 Q
WA9STI 3,630 55 33 Q
W6KC 68,960 431 80 U
W6SW 61,920 387 80 U
K6AA (KB6WKT, K1SL, KB6ATT, W6HB, N6UB, W7IXL, AE6JG, ops) 101,760 636 80 M

Orange

K6AM 281,920 1762 80 B
K6NR 112,640 704 80 B
W6TKV 103,360 646 80 B
K6HRT 74,734 473 79 B
AA6PW 131,840 824 80 A
KQ6YI 81,054 513 79 A
WA6GFR 29,536 208 71 A
WA6BFW 27,170 209 65 A
KA6GMA 9,700 97 50 A
W6UFT (W1HIJ, op) 5,440 68 40 Q
KB6OJS 1,188 33 18 Q
W6HT 36,108 306 59 U

Pacific

KH7X (KH6ND, op @KH7R) 363,040 2269 80 B
AH6RC 10,976 98 56 A
AH6NF 8,836 94 47 A
AH6RH 3,472 56 31 A
KH6/K8FH 640 20 16 A
KH2/KF6ILA 336 14 12 A
KR1STA 35,904 272 66 U

Sacramento Valley

K6KM (AE6Y @K6KM) 263,040 1644 80 B
W1SRD (@K6IDX) 249,280 1558 80 B
WX6V 218,720 1367 80 B
KI6CG 178,240 1114 80 B
W6IXP 157,526 997 79 B
W6EU 120,320 752 80 B
K6LRN 105,120 657 80 B
KI6IV 74,024 487 76 B
KJ6RA 62,252 394 79 B
K6TA 51,480 330 78 B
KS6A 51,168 328 78 B
KI6T 47,432 308 77 B
WA6ST 40,350 269 75 B
W6QEU 92,640 579 80 A
KU6J 78,880 493 80 A
K6DGW 55,458 351 79 A
KO6IS 27,018 171 79 A
KG6JOT 24,440 188 65 A
N6RZR 23,652 162 73 A
WB6KIN 6,862 73 47 A
WR6WR 43,368 278 78 Q
KO6CX 36,192 232 78 Q
KQ6IK 16,416 144 57 Q
K6ST 94,326 597 79 U
K0BEE 82,400 515 80 U

San Diego

K6NA (N6ED, op) 313,760 1961 80 B
AI6O 1,890 35 27 B
WN6K 138,560 866 80 A
K6ZH 96,538 611 79 A
AA6EE 30,940 221 70 A
K6CA 12,596 94 67 A
WB6NJA 3,608 44 41 A
W6MVW 2,790 45 31 A
AE6II 512 16 16 A

San Francisco

K6IF 288,000 1800 80 B
K6CTA 118,080 738 80 B
K6UM 121,120 757 80 A
N6ZFO 101,910 645 79 A
KE6WC 23,712 152 78 A
NM6E 20,856 158 66 A
AA6DX 16,936 146 58 A
K6BBQ 16,576 148 56 A
W6ESJ 14,162 97 73 A
K6OWL 11,536 103 56 A
KC6AWX 122,720 767 80 U
K6RIM 74,720 467 80 U
N6GSG (+ops) 23,668 194 61 M

San Joaquin Valley

N6NZ 97,188 623 78 B
W6RJ 92,272 584 79 B
W6SLT 11,424 112 51 B
N6YMM 90,244 586 77 A
WI7F 32,850 225 73 A
KD6WW 28,152 207 68 A
KI6PG 21,560 154 70 A
AA6R 20,880 145 72 A
K6CSL 17,856 144 62 A
KO6UW 13,462 127 53 A
W8AKS 11,440 110 52 A
K6MI 18 3 3 Q
KS6H 202,240 1264 80 U
KA6BIM (+ WD6DGS, AE6IQ) 177,760 1111 80 M
K6SEA (WD6DGS, K7GT, AE6IQ, KA6BIM, ops) 93,760 586 80 M
N6TNX (+ N6TNW) 75,050 475 79 M
K6SSN (+KF6RUA) 52,414 359 73 M
W6BAR (KC6WAO, KG6GMT, KD6EAG, ops) 9,792 102 48 M

Santa Barbara

W6NK 183,520 1147 80 B
AG6RT 140,462 889 79 B
WA6FGV 118,880 743 80 A
W6AYC 15,776 136 58 A
K6IMZ 6,100 61 50 A
KE6BBP 504 21 12 A
W6TK 141,280 883 80 U
W6HU (AD6VB, KF6KQL, N6AWA, W6GL, W6LX, WB6CIA, ops) 99,840 624 80 M
KA6WZR (+KE6DKU, W7CWW) 16,800 150 56 M

Santa Clara Valley

W0YK 201,280 1258 80 B
K6HNZ 198,400 1240 80 B
AJ6V (@K6GX) 186,880 1168 80 B
AK6L 174,252 1117 78 B
K6RB 163,840 1024 80 B
N6XI 160,960 1006 80 B
N3ZZ 85,440 534 80 B
W6NL 75,360 471 80 B
WR6M 15,290 139 55 B
K6BL 14,640 122 60 B
N6NF 188,320 1177 80 A
KA6MAL 113,286 717 79 A
NU6S 82,560 516 80 A
N9JIM 76,320 477 80 A
NR3Y 64,116 411 78 A
N6EM 58,302 369 79 A
W6YL (W6CT, op) 53,400 356 75 A
K6ENT 46,008 324 71 A
W6WS 36,920 260 71 A
KE6JAC 16,576 148 56 A
N6ZB 11,856 104 57 A
W6FUV 1,850 37 25 A
KG6HAF 1,512 27 28 A
K6MO 84 7 6 A
W6LPW 47,880 315 76 Q
N6TV 275,520 1722 80 U
K6XX 223,360 1396 80 U
K6GT 165,600 1035 80 U
K6EP 120,160 751 80 U
W6OAT 116,640 729 80 U
AA6W 83,680 523 80 U
ND2T 61,600 385 80 U
K6UFO 51,840 324 80 U
W6ISQ 47,200 295 80 U
W7SW 41,712 264 79 U
W6ZZZ 36,556 247 74 U
K6RFM 27,750 185 75 U
W6YX (W6LD, N7MH, N6DE, ops) 300,160 1876 80 M
W6ISO (+WX5S) 180,160 1126 80 M
K6III (+KG6NED) 90,240 564 80 M
NB6E (+KG6NCD) 4,032 63 32 M

7

Alaska

KL7WP 53,280 333 80 A
KL1V 201,280 1258 80 U

Arizona

W7WW 239,360 1496 80 B
NI5L 134,300 850 79 B
KN5H 62,568 396 79 B
KK7AC 19,320 138 70 B
W7ZR 228,960 1431 80 A
WA0KDS 149,120 932 80 A
W7ZMD 120,120 770 78 A
K7TR 33,264 252 66 A
K7HP 26,400 200 66 A
KA7SKY (N7NFX,op) 20,708 167 62 A
N6IDU 16,920 141 60 A
K0TIV 14,310 135 53 A
W0CEM 12,432 111 56 A
W7KQZ 57,000 380 75 Q
N7JXS 30,810 237 65 Q
NQ7X 18,648 148 63 Q
W0YHE 12,614 119 53 Q
K6LL 298,880 1868 80 U
WX7P (+ N7VF) 129,120 807 80 M
K7RDG (WD8DOM, KD7HAB, WB6OTS, N7INK, KD7OED,ops) 56,210 365 77 M
KK6IF (+W6BBL, W6KAT, KD6SA, K6GEV, K6RFA, WB0NRE) 56,160 351 80 M
KC7KFF (N7UJJ, + ops) 46,976 367 64 S

Eastern Washington

WA7LT 227,360 1421 80 B
KI7AO 55,360 346 80 B
WS7V 110,240 689 80 A
K7AWB 48,032 304 79 A
W7WMO 29,946 217 69 A
W3AS 1,026 27 19 A
K7MM 119,448 756 79 Q
K7OX 261,440 1634 80 U

Idaho

K0TO 212,480 1328 80 B
N7UVH 72,816 492 74 B
K7ZO 51,264 356 72 B
KE7RT 61,908 402 77 A
KC7ESB 28,950 193 75 A
KD7JEG 20,400 150 68 A
KK7X 14,396 122 59 A
WA7DX 10,800 108 50 A
KJ7TH (+ KW7N, W7II) 169,920 1062 80 M
W7UQ (KL9A, N6HC, ops) 113,806 739 77 M
KI7RO 2,726 47 29 M
W7ISU (W7RSR, op) 37,752 242 78 S

Montana

KS7T 75,840 480 79 B
W7WK 66,768 428 78 B
K7ABV 37,960 292 65 B
K7BG 22,814 187 61 B
NB7V 3,328 52 32 B
AA7YA 171,680 1073 80 A
K7SAM 42,818 271 79 A
KG7VQ 31,500 225 70 A
KD7IIC 19,418 133 73 A
WN7Y 600 20 15 Q

Nevada

N7ON 88,320 552 80 A
W7TTT (K5RC, op) 187,040 1169 80 U
K6GNX 300 25 6 U

Oregon

WA7ND 137,124 879 78 B
K4XU 202,556 1282 79 A
AI7W 169,440 1059 80 A
W7YAQ 159,200 995 80 A
K7FU 66,400 415 80 A
KA6T 32,706 237 69 A
KE7DD 26,520 195 68 A
K7VIT 24,920 178 70 A
W7TYN 22,152 156 71 A
KC7ZFP 11,660 110 53 A
N7VS 10,260 95 54 A
K2DI 6,720 70 48 A
KD7CTF 1,080 27 20 A
N5ZR 646 19 17 A
N7JI 7,840 80 49 Q
K7RAT (N6TR, op) 100,000 625 80 U
W7BX 36,640 229 80 U
W7SIR (W7PAT, op) 26,496 184 72 U
W7GG (+K7ZUM, KR7X, KC7TWZ) 333,120 2082 80 M
N7TL (+ WB7UFJ) 60,320 377 80 M
N7SG (+K7FD, KB7FYZ) 21,280 133 80 M

Utah

K1IF 153,260 970 79 B
K3TA 83,930 545 77 A
K7ACE 40,584 267 76 A
WJ7L 22,922 157 73 A
KB7QYI 7,350 75 49 A
KI7ST 2,320 40 29 Q
W7UT 254,880 1593 80 U

Western Washington

W7WA 320,160 2001 80 B
K7RI 294,400 1840 80 B
N7LOX 223,520 1397 80 B
W7VJ 168,320 1052 80 B
N7ETC 109,136 718 76 B
KG7P 31,416 204 77 B
WA7WA 28,400 200 71 B
N7DOE 11,616 121 48 B
N7GYD 201,608 1276 79 A
N7HJ 88,320 552 80 A
W7QN 85,272 561 76 A
K7IM 64,584 414 78 A
N7UK 62,080 388 80 A
ND7P 52,456 332 79 A
NX7Q 40,810 265 77 A
KJ7WN 30,552 228 67 A
W7LKG 30,240 210 72 A
KB7N 27,360 190 72 A
KE7SW 17,612 119 74 A
KA7KUZ 17,368 167 52 A
W7ND 16,160 101 80 A
W7VXS 15,340 130 59 A
KD7LJ 13,566 119 57 A
AA7VT 13,452 114 59 A
WA7ETH 10,290 105 49 A
W7GTO 7,568 86 44 A
KC7WDL 6,552 78 42 A
W7MCK 3,808 56 34 A
W7OVJ 1,924 37 26 A
KH7YD 51,480 330 78 Q
K7QI 19,840 160 62 Q
W7OM 158,400 990 80 U
KB7PKC 34,788 223 78 U
NR7RR 19,344 124 78 U
N7PP (WA7IVO, N7DOE, WG7X, K7ROL, KD7SQR, W7LKG, W7BUN, ops) 209,982 1329 79 M
W7VMI (N0AX, KD7DQO, KD7FWQ, KD7FYX, +logger) 68,414 433 79 M

Wyoming

K7VU 192,800 1205 80 B
N7JT 28,320 177 80 B
WG7Y 99,864 657 76 A
N7QAX 74,720 467 80 A
KS7WY 7,052 86 41 A
KD7RX 4,810 65 37 Q
WW7WY (KB7YP, N7VLM, N7SVX, AC7DW, ops) 137,060 890 77 M

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Michigan

K8AO 184,000 1150 80 B
N8KZG 15,730 143 55 B
AA8R 13,650 105 65 B
W8RU 12,508 118 53 B
W8QS 10,494 99 53 B
W8MJ 208,640 1304 80 A
K8SAK 98,240 614 80 A
NU8Z 75,840 480 79 A
K8BZ 73,760 461 80 A
K8RDJ 67,520 422 80 A
N8ZFH 60,514 383 79 A
WB8RFB 52,822 343 77 A
N8NX 52,136 343 76 A
NX8K 45,978 291 79 A
AB8JR 44,160 276 80 A
WB8NXG 38,776 262 74 A
WA8FRD 34,720 280 62 A
K8CV 32,368 238 68 A
W8WDX 32,074 203 79 A

N8EN	30,552	228	67	A
KC8UJQ	28,420	203	70	A
K8RWG	27,084	183	74	A
N8QGC	26,796	203	66	A
WA8YPY	23,718	177	67	A
KB8TWM	23,496	178	66	A
W8EGI	20,178	171	59	A
N8UUS	20,034	159	63	A
KA8VPF	19,782	157	63	A
W8PDI	19,712	154	64	A
N8PKN	18,240	114	80	A
WB8AEV	16,800	140	60	A
K8AAX	16,170	147	55	A
W8KZP	13,640	110	62	A
WS8M	12,800	80	80	A
N8KV	12,240	120	51	A
AA8UU	11,832	116	51	A
N8VR	11,766	111	53	A
KD8DX	11,424	112	51	A
KA8KGW	11,330	103	55	A
K8SIA	10,608	104	51	A
W8EO	10,400	100	52	A
N8HKU	10,400	104	50	A
KC8PDU	9,212	98	47	A
WA8AEN	8,820	98	45	A
N8CQA	7,802	83	47	A
K8GT	6,636	79	42	A
WA8OLD	4,440	60	37	A
K8GA	4,392	61	36	A
N8VEN	2,726	47	29	A
K8IR	63,360	396	80	Q
W8UE	27,440	196	70	Q
W8CDC	13,420	122	55	Q
KC8NOF	1,960	35	28	Q
N8PVZ	32	4	4	Q
KT8X	52,456	332	79	U
WB0WAO				
	28,756	182	79	U
N8KR (+ KN8R)				
	240,960	1506	80	M
K8CC (+N8OS, WX3M)				
	240,160	1501	80	M
K8MAD (K8CC, N8MG, WD8S, ops)				
	213,600	1335	80	M
NT8V (+ AC8W, K8DD, K8WMW)				
	196,960	1231	80	M
K8UH (+KC8KAK, KC8KAM, KC8VCY)				
	120,480	753	80	M
K8UP (+K8KHZ)				
	102,542	649	79	M
K8AE (+WB8AFO)				
	62,986	409	77	M
N8UZE (+KB8BSG, logger)				
	41,344	272	76	M
K8EO (+ K8RO, N8PYN, N8REZ)	30,954	201	77	M
KC8OBH (+ KC8PKY)				
	30,240	210	72	M
AB8PW (+AB8PU, KC8TDN)				
	28,656	199	72	M
N8MR (+ KC8NAH)				
	26,838	213	63	M
KC8ELY (N8NJE, N8MMF, N8MPO, ops)				
	26,792	197	68	M
AB8NY (+AB8NZ)				
	25,806	187	69	M
AD8M (+KC8SVP)				
	23,182	173	67	M
KI8GR (+ W8ISS)				
	21,580	166	65	M
K8CHR (KI8BU, WQ8X, WD8DJB, KC8SKF, ops)				
	21,472	176	61	M

Ohio

K1OU	168,480	1053	80	B
N8KM	156,800	980	80	B
KW8N	155,840	974	80	B
K8MR	132,640	829	80	B
AC8E	81,600	544	75	B
K8CI	53,562	339	79	B
AD8P	44,092	302	73	B
W8DD	175,200	1095	80	A
K8BL	159,840	999	80	A
ND8DX	158,400	990	80	A
KW8W	88,960	556	80	A
K8NVR	72,838	461	79	A
AK8B	71,890	455	79	A
AA8LL	52,000	325	80	A
W8XU	46,650	311	75	A
N8BV	46,360	305	76	A
KE8PX	46,240	289	80	A
WD8AJF	45,000	300	75	A
WD8BMP	43,582	283	77	A
KB8UUZ	36,814	233	79	A
KB8GSV	36,408	246	74	A
WD6ADM	35,550	237	75	A
KJ8F	32,960	206	80	A
KB8SHE	32,856	222	74	A
KC8QHT	30,932	209	74	A
N4GXP	29,394	213	69	A
K8VUS	27,020	193	70	A
WA8SDF	21,912	166	66	A
KC8RDO	20,864	163	64	A
KF8UN	16,940	121	70	A
AA8HH/M	16,320	102	80	A
W8IDM	15,594	113	69	A
WA8LOW	15,504	102	76	A
N8WS	14,036	121	58	A
WD8NVM	12,960	81	80	A
W8NHO	12,464	152	41	A
KB8STP	11,628	102	57	A
W8VE	11,448	106	54	A
KC8UR	9,078	89	51	A
N8JP	7,654	89	43	A
K9TM	133,120	832	80	Q
N8IE	67,680	423	80	Q
KC8QAE	7,242	71	51	Q
N8BJQ	105,600	660	80	U
N8OH	78,080	488	80	U
N8TR	54,400	340	80	U
W8TTS	40,606	257	79	U
AF8C	40,132	254	79	U
W8KEN	38,720	242	80	U
N8HR (WZ8P, KE8YP, WX8J, KG8CZ, KC8BEW, KC8TDS, KF8NF, N0KYN, ops)	252,000	1575	80	M
W8FT (N8RMF, K8GU, N8RMY, KC8NIU, N8EY, N8ET, AA8IV, WD8PTB, KC8RSA, AD8P, ops)				
	128,320	802	80	M
K8PI (KF8PD, AB8LA, W8LKU, WA8DTU, KC8PRW, N8HP, N8GGE, W8EH, KD8W, ops)				
	68,572	434	79	M
WC8VOA	47,084	298	79	M
WM8W (AA8KJ, KA8ZMY, ops)	43,134	273	79	M
W8ID (K8ARL, KB8SOU, KG8UP, KC8RHC, WB8REI, N8HXZ, KF8GD, N8PPR, KC8BUJ, N8UOS,				
	20,368	134	76	M
W8DYY (N8DNG, WA8VIW, N8SSE, N8IPO, W8KKF, WD8BSI, K3ERN, ops)				
	17,286	129	67	M

West Virginia

N8RAT	156,160	976	80	B
K2UOP	67,840	424	80	B
WA8WV	36,288	252	72	B
K8KFJ	16,074	141	57	B
N8II	182,016	1152	79	A
K5IID	122,400	765	80	A
W8FIL	27,900	225	62	A
N8EMS	18,788	122	77	A
KB8AOB	2,800	50	28	A
W8ZA	51,282	333	77	U
WA8ZDL	20,320	127	80	U

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Illinois

WB9Z	256,640	1604	80	B
K9BGL	217,600	1360	80	B
K9PG	178,400	1115	80	B
KS9W	87,516	561	78	B
WQ9E	78,240	489	80	B
KG9N	61,464	394	78	B
WE9A	52,200	348	75	B
W9GIG	46,452	294	79	B
W9YYG	30,056	221	68	B
KQ9L	24,282	171	71	B
N9XUK	18,492	138	67	B
AI9L	18,240	152	60	B
KO2R	8,554	91	47	B
W9FO	480	20	12	B
K9ZO	172,000	1075	80	A
W9YK	119,040	744	80	A
K9QVB	114,240	714	80	A
N9REP	92,960	581	80	A
N9VVV	86,240	539	80	A
KC9UM	79,000	500	79	A
AK9F	78,624	504	78	A
K9JE	73,628	466	79	A
N9AVY	71,360	446	80	A
W9YS	63,516	402	79	A
AA9D	61,620	390	79	A
N9TF	57,038	361	79	A
N9NT	56,248	356	79	A
N9MSG	54,720	360	76	A
K9FO	49,200	328	75	A
K9CC	48,764	334	73	A
K9ZA	48,600	324	75	A
WD9DZV	46,944	326	72	A
N9KO	45,760	286	80	A
KC9ARR	42,924	294	73	A
NW9V	35,880	230	78	A
K9TMS	33,300	222	75	A
KB9CYL	32,844	238	69	A
W0HED	32,320	202	80	A
AB9AX	31,920	228	70	A
W9LYA	28,140	201	70	A
W9DLS	27,580	197	70	A
W9SZ	24,616	181	68	A
K9VIC	23,048	172	67	A
N9BPK	22,204	182	61	A
KD9AC	20,864	163	64	A
WI9B	19,200	128	75	A
N9XR	18,724	151	62	A
AG9A	18,600	124	75	A
KU9Z	17,760	148	60	A
WD9EJK	16,872	111	76	A
N9KDJ	16,240	140	58	A
N9ZUT	15,470	119	65	A
N9DRU	13,688	118	58	A
N9RJX	12,720	120	53	A
WD9DJD	12,190	115	53	A
KD9XP	11,000	110	50	A
WB9EEE	10,800	100	54	A
KB9WQJ	10,800	100	54	A
W9SE	10,570	151	35	A
K9DRW	10,528	112	47	A
K9CJ	10,058	107	47	A
N9EP	9,016	92	49	A
KA9OZP	7,998	93	43	A
N9YZS	7,560	90	42	A
W9OF	6,942	89	39	A
AA9HQ	6,396	78	41	A
WO9LF	5,700	114	25	A
K9SWX	5,626	97	29	A
K9NO	5,476	74	37	A
KE1NT	5,002	61	41	A
KA9FEL	4,836	78	31	A
K9KM	4,288	67	32	A
WA9CCQ	4,070	55	37	A
W9VQ	2,596	59	22	A
W9LNQ	2,160	40	27	A
KB9ZQU	1,880	47	20	A
W4NVY	1,850	37	25	A
KB9JIZ	1,800	45	20	A
K5UJ	1,450	29	25	A
WB9OVV	1,276	29	22	A
N9TUQ	1,260	35	18	A
AB9DO	1,218	29	21	A
N9YPN	1,020	30	17	A
KA9CAR	900	25	18	A
KR9L (N9JF, op)				
	884	26	17	A
N9ALC	720	30	12	A
W9AN	544	17	16	A
N9TK	2	1	1	A
KO9A	114,550	725	79	Q
KX9X	85,280	533	80	Q
W9HL	25,844	182	71	Q
K9OZ	24,072	204	59	Q
K0PG	23,450	175	67	Q
NW9S	18,900	150	63	Q
N9WW	6,660	74	45	Q
K9VON	5,250	75	35	Q
NC9O	3,876	57	34	Q
N9US	3,400	50	34	Q
K9DI	3,128	46	34	Q
N2BJ	216,960	1356	80	U
NA9D	215,360	1346	80	U
KI9A	175,840	1099	80	U
KG9X	173,600	1085	80	U
W9FGH	123,680	773	80	U
KB9CRY	119,680	748	80	U
N9IO	111,040	694	80	U
N9GUN	98,400	615	80	U
K9JS	93,280	583	80	U
NA9A	91,798	581	79	U
NV8V	85,600	535	80	U
K9NR	81,760	511	80	U
WA9TPQ	80,000	500	80	U
W9OL	72,960	456	80	U
KM9M	72,800	455	80	U
K9IR	71,200	445	80	U
AA9RT	69,108	443	78	U
N9QQK	67,040	419	80	U
K9MMS	66,676	422	79	U
K9UQN	60,960	381	80	U
K9GY	58,500	375	78	U
N9LCR	55,040	344	80	U
W9SMC (K9PG,op)				
	54,826	347	79	U
N9UM	49,928	316	79	U
K9YA (N9BOR, op)				
	49,920	320	78	U
K9IJ	48,032	304	79	U
N9KHR	46,880	293	80	U
K9RR	44,640	279	80	U
WB9STR	43,360	271	80	U
K9BIG	36,176	238	76	U
W9LYN	33,434	229	73	U
W9VA	32,640	204	80	U
WB9RRO	32,292	207	78	U
K9RS	31,840	199	80	U
KK9DX	31,758	201	79	U
K9NU	30,338	197	77	U
K9OR	30,096	198	76	U
AB9DU	27,738	201	69	U
W9CRS (N9LAH, op)				
	26,492	179	74	U
N9IJ	23,560	155	76	U
N9OH	22,578	159	71	U
KB9YSI	21,700	175	62	U
KB9VHA	20,720	148	70	U
N9MBR	17,920	160	56	U
K9CU	17,444	178	49	U
K9CS	12,064	116	52	U
W9TMW	6,512	74	44	U
N9BT	3,740	55	34	U
NG9R	3,120	52	30	U
N9DT	2,944	46	32	U
K9PPY	1,302	31	21	U
K9NS (K9HMB, K9PW, K9XW, W9RM, ops)				
	310,080	1938	80	M
N9JF (+ NG9R)				
	182,080	1138	80	M
K9SD (+ KI0MB)				
	172,480	1078	80	M
WD9CIR (+ N9SJ)				
	151,840	949	80	M
KX9DX	147,520	922	80	M
KD9ST (+ KA9SQR, KA9SQS, KB9EXE)				
	108,528	714	76	M
N9STL (+K9HUH)				
	105,768	678	78	M
K9QT	90,880	568	80	M
K9MOT (N9EP, N9MUC, K9ZXB, N9KNS, AA9AE, K9RJZ, ops)				
	77,578	491	79	M
AE9D (+N9TZQ, logger)				
	71,840	449	80	M
NA9US (N9GH, WO9LF, W9AFR, K9LGM, ops)				
	61,146	387	79	M
W9EM (+N9MA, N9LZ, K9KRY, W9QL, KC9AUX, KC9BVY)	61,120	382	80	M
K9IOC (+W9IOU)				
	54,132	347	78	M
KA9NPT (+ N9EP)				
	35,136	244	72	M
K9AA (N9UM, KG9IL, KB9LNE, ops)				
	19,656	126	78	M
KG9QH (+N0GLK)				
	10,908	101	54	M
KB9YMD (+ KB9ZPX)				
	9,984	96	52	M
W9UIH (W0TPO, op)				
	43,428	282	77	S

Indiana

N9RV (AJ9C,op)				
	244,640	1529	80	B
KE9I	231,360	1446	80	B
W9BS	209,440	1309	80	B
W9RE	187,040	1169	80	B
KJ9C	148,640	929	80	B
WT9U	145,280	908	80	B
N9QX	103,360	646	80	B
WA1MKE				
	69,600	435	80	B
KK9V	61,486	433	71	B
KB9SSS	33,138	263	63	B
WN9O	30,514	209	73	B
K9XV	13,984	152	46	B
K9IG	13,100	131	50	B
K9IX (N9RV, op)				
	2,592	54	24	B
KB9THU	1,610	35	23	B
K9SG	280	14	10	B
K9BG	79,840	499	80	A
KA9F	62,720	392	80	A
AA9GE	54,400	340	80	A
W9AU	44,352	308	72	A
N9DR	30,384	211	72	A
WD9GMK				
	29,100	194	75	A
WA0JTL	19,500	150	65	A
K6OMB	17,064	158	54	A
KB9ORH	15,776	116	68	A
KG9HG	14,300	110	65	A
N9LTO	13,056	102	64	A
K9EFP	11,856	104	57	A
WB9FQS	10,120	110	46	A
KB9STQ	8,526	87	49	A
K9MI	6,650	95	35	A
N4TZ	2,000	40	25	A
KB9STR	1,584	36	22	A
W9DZ	59,724	378	79	Q
K9DIY	10,400	100	52	Q
W9IU	146,080	913	80	U
K9RU	114,880	718	80	U
K9WX	78,880	493	80	U
K9MV	49,600	310	80	U
N9LF	49,138	311	79	U
N9KT	42,976	272	79	U
W9DEW	34,992	243	72	U
K9NX	28,798	187	77	U
N9SE	23,712	156	76	U
W9SN	22,464	144	78	U
WA9ALS	9,506	97	49	U
K9DA (+KF8VS)				
	73,440	459	80	M
WR9A (+ K9HER)				
	62,168	409	76	M
K8IAT (+ KB9YTT)				
	39,312	273	72	M

Wisconsin

W9GXR	126,880	793	80	B
WI9WI	102,900	686	75	B
N9VA	58,064	382	76	B
K0PJ	158,158	1001	79	A
WA1UJU				
	134,560	841	80	A
WT9Q	119,496	766	78	A
W9WUU	65,280	408	80	A
W9RN	49,140	315	78	A
K9KR	38,544	264	73	A
K9ARF	35,550	225	79	A
K9QET	29,760	186	80	A
WI9M	27,950	215	65	A
W9GA	26,496	207	64	A
W9FBC	22,784	178	64	A
K9VS	22,620	195	58	A
WB9BWP				
	20,412	162	63	A
W9GEN	19,388	131	74	A
AB9CD	18,880	160	59	A
K9AY	17,040	142	60	A
W9LO	16,472	142	58	A
AA9HL	14,162	97	73	A
KB9SNE	2,852	46	31	A
KB9OWD	2,112	48	22	A
K9OSH	1,540	35	22	A
K3GGN	4	2	1	A
N9NE	65,412	414	79	Q
K5OT	7,744	88	44	Q
WE9V	228,160	1426	80	U
N9FH	157,440	984	80	U
N9CK	145,920	912	80	U
WA9IRV	145,280	908	80	U
W9XT	120,960	756	80	U
KE9S	100,160	626	80	U
KF9YR	60,988	386	79	U
N9AU	39,566	271	73	U
NF9V	38,528	301	64	U
AI9X	33,920	212	80	U
N6XWD	32,640	204	80	U
KB9KEG	17,784	117	76	U
N9XX	1,440	36	20	U

W0AIH (+NE9U, KB9TTO, WB0PXM)
190,560 1191 80 M
W9YT (KB9ITE, op)
86,110 545 79 S

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Colorado

W1XE 203,040 1269 80 B
K0GAS 99,040 619 80 B
W0OSK 82,082 533 77 B
KF0LA 25,280 158 80 B
K0EU 8,428 98 43 B
K0UK 164,794 1043 79 A
W0ZA 159,896 1012 79 A
N9CO 106,236 681 78 A
K0LMD 72,808 479 76 A
KB0YH 57,354 363 79 A
N3XT 54,750 375 73 A
NZ4DX 40,064 313 64 A
K0IRL 33,580 230 73 A
K0RI 27,018 171 79 A
KC0IGY 23,168 181 64 A
N0UX 23,140 178 65 A
W0CBH 22,200 148 75 A
K0COM 21,376 167 64 A
W0ZU 20,020 130 77 A
WM0F 18,634 121 77 A
AB0MV 15,196 131 58 A
N6BXO 11,640 97 60 A
KF0U 11,352 86 66 A
N0EPF 11,024 104 53 A
W0ETT 57,288 372 77 Q
N0BN 27,468 218 63 Q
N0TK 23,760 180 66 Q
KR0U 18,422 151 61 Q
KI0RB 12,138 119 51 Q
N2WW 240,640 1504 80 U
N0ZM 79,200 495 80 U
K7TD (+KC0EDJ)
225,624 1428 79 M
K0DE (+logger)
152,412 977 78 M
WV7T (+N0QJS)
16,884 134 63 M

Iowa

N0AC 220,410 1395 79 B
W0PPF 40,800 272 75 B
KB0ENE 10,764 117 46 B
WN0G 178,720 1117 80 A
NU6O 21,666 157 69 A
KF0Z 15,494 127 61 A
N0PP 40 5 4 A
K9IUA 15,252 123 62 Q
NU0Q 31,360 196 80 U
KE0FT 19,950 133 75 U
W0CXX (N0LNO, WE0F, AA0KW, ops)
100,800 630 80 M
K0SAU (WD0AMA,N9CAI, KA0GOA,KA0CPJ,ops)
5,616 72 39 M

Kansas

W0BH 200,000 1250 80 B
W0MW 210,400 1315 80 A
KC0GL 52,744 347 76 A
KC0IUW 52,440 345 76 A
WB0YJT 50,100 334 75 A
WW0H 50,086 317 79 A
K0VBU 32,266 221 73 A
K0PY 22,656 192 59 A
W0IE 21,700 175 62 A
KA0EIC 13,260 102 65 A
N0ZCU 12,576 131 48 A
KC0ADP 12,348 126 49 A
WD0BWM
12,210 111 55 A
N0VRP 11,466 117 49 A
N0OMC 10,812 106 51 A
WV0Q 14,304 149 48 Q
W0NO (+K0WA, K0BJ, K0FJ, AB0S)
241,920 1512 80 M
K0RH (+ N0NB)
188,000 1175 80 M
W0MI (K0BAJ, KA0RID, AC0E, ops)
116,160 726 80 M
KA0BHO (+KA0BAT)
22,862 161 71 M
W0WOB (K0BJ, K0FJ, ops)
8,010 89 45 M

Minnesota

K0HB 196,480 1228 80 B
W0OR 156,480 978 80 B
KF0GV 146,400 915 80 B
WA0MHJ
132,800 830 80 B
NY0C 84,640 529 80 B
K0SR 56,592 393 72 B
K0BUD 42,420 303 70 B
N0KK (@N0AT)
219,040 1369 80 A
N0IJ 164,960 1031 80 A
AC0W 154,720 967 80 A
N0FP 120,744 774 78 A
N0IM 100,960 631 80 A
N0HJZ 95,040 594 80 A
K0XH 94,326 597 79 A
WA2MNO
87,374 553 79 A
K0TG 85,644 549 78 A
K0MPH 80,964 519 78 A
W0RK 79,040 494 80 A
W0ZQ 68,552 451 76 A
WR0DK 62,216 404 77 A
N0ADQ 61,280 383 80 A
AD0W 59,752 388 77 A
KI0F 55,772 382 73 A
WA0RBW
50,400 336 75 A
KM0O 50,008 329 76 A
K0KX 48,516 311 78 A
KA0ZPP 45,732 309 74 A
KA0DAQ 45,150 301 75 A
WA2HFI 43,364 293 74 A
WB0N 40,996 277 74 A
AA0AW 37,800 252 75 A
K0TK 25,740 195 66 A
NA0N 25,326 201 63 A
K0TBT 25,134 177 71 A
N0PI 20,532 177 58 A
NF0J 17,568 144 61 A
W0PI 16,240 140 58 A
WA0OTO 16,074 141 57 A
N2DUP 16,016 154 52 A
K0VH 15,228 141 54 A
W0VC 13,500 90 75 A
K0AAA (K0NNN,op)
12,800 80 80 A
WB0GGM
10,908 101 54 A
K0NY 8,976 102 44 A
WD0EFQ 8,160 102 40 A
KC0OBU 7,548 74 51 A
AE0C 2,460 41 30 A
KA0ZIA 1,476 41 18 A
W0AMT 1,080 27 20 A
N0UR 74,328 489 76 Q
K0UU 3,528 49 36 Q
K4IU 64,116 411 78 U
K0AD 38,624 284 68 U
N0PO 33,228 213 78 U
WG0M 27,302 187 73 U
K0IR 6,424 73 44 U
KT0R (+K0AD, K0MX, K0OB) 281,600 1760 80 M
KR0B (+N0BKL, KS0T, N0RA, KJ0B, K0KP)
200,320 1252 80 M
W0YC (KC0KYN, KC0OBS, N0BYH, KB0PJV, N0NYT, ops) 96,404 626 77 M
WB0TRA (+KC0MYY, KA0CSW, W0DOM, W6DQ)
77,376 496 78 M
W0EF 71,632 484 74 M
K0SV (+ KC0IRY)
64,640 404 80 M
K0JA (+ K0JE)
58,188 373 78 M
N0RPM (+ KC0IYT, KB0LIV) 24,444 194 63 M

Missouri

K0DEQ 132,160 826 80 B
K0FG 79,632 504 79 B
KI0HA 35,040 240 73 B
K0JPL 12,482 79 79 B
K0AXU (K0JPL, op)
6,270 95 33 B
K0KY 71,136 456 78 A
KK2G 67,040 419 80 A
KT0I 50,078 343 73 A
KG0KP 35,742 259 69 A
WB0QLU 35,100 234 75 A
NW0L 22,196 179 62 A
N0EID 10,710 119 45 A
K0LWV 8,232 98 42 A
AB0OX 3,672 51 36 A
WA0IYY 3,456 64 27 A
KC0LUX 3,894 59 33 Q
WA0SXV 80,800 505 80 U
AE9B 79,520 497 80 U
AD9P 57,442 373 77 U
W0ZAP 23,940 190 63 U
K0YR 12,324 78 79 U
K0CA 4,312 49 44 U
K0GQ (AB0WA, K0OU, KC0ELZ, N8AU, ops)
210,720 1317 80 M
KG0UT (+KB0VVT, KG0US)
210,400 1315 80 M
KA0GGI (+ WA4PGM, N0BDS, K0RAY)
173,280 1083 80 M
K0LIR (W0SLW, N0IS, WA0IYY, W0HBH, AB0TO, ops) 165,760 1036 80 M
NM0X (+KC0CZI, N0IB)
148,640 929 80 M
KB5ENP (+KC8SDQ)
26,752 209 64 M
W9KI (+N1OHC)
6,018 59 51 M
W0EEE (KC9UMR, N4LO, N8YXR, KC5IPN, KI0PX, KB0TCB, ops)
106,240 664 80 S

Nebraska

K0DG 108,960 681 80 B
K0IL 76,752 492 78 A
W8TM 54,872 361 76 A
KK0DX 50,268 354 71 A
NE0DX 33,384 214 78 A
KG0ED 30,912 224 69 A
KB0ARZ 26,928 198 68 A
KC0HMM 20,448 142 72 A
N0RX 13,200 132 50 A
K0FY 6,600 75 44 A
W0UVC 18,788 122 77 Q
K0TEA 8,610 105 41 Q
KI0II 3,240 54 30 Q
K0GND (+K0NEB, WD0EGK, K0NC, N0GVK)
209,920 1312 80 M
KE0BZ (+ NU0C)
47,424 304 78 M

North Dakota

WB0O 326,720 2042 80 B
K0UD 62,252 394 79 A
W0WT 44,700 298 75 A
N0RDJ 23,436 189 62 A
N0GF (KE0A, N0OJ, KB1BYP, KI0LS, KC0MNQ, KC0JPP, ops)
84,396 541 78 M
N0UD (N0LVW, WB0OAJ, KC0HXF, ops)
30,290 233 65 M
W0HSC 8,692 106 41 S

South Dakota

W0SD (WD0T, op)
306,720 1917 80 B
K7RE 156,780 1005 78 A
K0HW 57,120 408 70 A
WB0ULX 21,560 154 70 A
KC0IOX 6,006 77 39 A
K0HS (N0THA, KC0KBZ, W7VOK, KC0KNE, N0IQS, K0OR,ops)
63,756 414 77 M
W0BXO (KB0QEF, KC0OFZ, KV0Z, KB0TTC,ops)
9,660 105 46 M

Maritime-Newfoundland

VE1AOE 60,416 512 59 A
VE1OP 220,960 1381 80 U

Newfoundland-Labrador

VO2WL (K3TM, op)
192,444 1218 79 B
VO1MP 153,600 960 80 B
VO1BC 75,600 504 75 A
VO1HP 41,554 263 79 A

Quebec

VE2AWR
111,840 699 80 A
VE2LHP 20,160 160 63 A
VE2PT 9,164 79 58 A
VA2IC 1,848 42 22 A
VE2MAB (VE2ESP, VA2SH, VE2MPD, VE2HAX, VE2SMF, VA2SJA, VE2DWT, +loggers)
56,984 419 68 M

Ontario

VE3UZ 54,264 357 76 B
VA3DX 112,944 724 78 A
VE3BUC 78,400 490 80 A
VE3CR 69,440 434 80 A
VE3DZ 62,880 393 80 A
VY2MGY 57,456 378 76 A
VA3NR 54,984 348 79 A
VA3SWG 54,516 354 77 A
VA3XRZ 53,562 339 79 A
VA3BD 46,360 305 76 A
VE3AGC 25,956 206 63 A
VA3GL 24,948 189 66 A
VE3UOT (VE3GD, op)
18,200 140 65 A
VE3IDT 14,700 150 49 A
VE3IOS 13,600 85 80 A
VE3FRJ 11,424 119 48 A
VA3TPV 10,200 102 50 A
VE3RCN 3,808 56 34 A
VE3IGJ 870 29 15 Q
VE3SYB 544 17 16 Q
VE3VSM
112,160 701 80 U
VA3PC 54,560 341 80 U
VE3MIS (VE3IMG, VE3XAP, VE3AGC, ops)
114,660 735 78 M

Manitoba

VE4GV 266,240 1664 80 A
VE4XT 187,840 1174 80 A
VE4MM 100,480 628 80 Q
VE4WI 15,870 115 69 Q

Saskatchewan

VE5SF 241,280 1508 80 A
VE5AAD 129,920 812 80 A
VE5GC 16,218 153 53 A
VE5JL 9,288 108 43 A

Alberta

VE6JY (VE5MX, op)
300,800 1880 80 B
VA6RC 35,770 245 73 A
VE6AO (+VE6TC, VE6KC, VE6RCI, VE6WSI)
215,840 1349 80 M

British Columbia

VA7RR 277,440 1734 80 A
VE7IN 167,520 1047 80 A
VE7FO 120,640 754 80 A
VE7XB 101,440 634 80 A
VE7UQ 89,700 575 78 A
VE7XT 32,802 213 77 A
VE7HA 28,428 206 69 A
VE7NA (VE7BGP, VE7GDE, VE7FCO, VA7AW, ops)
44,616 286 78 M

Northwest Territories

VY1JA 229,120 1432 80 B
VY1MB 117,440 734 80 A