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Author: Randall A. Thompson, K5ZD

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Results, 1995 ARRL November Sweepstakes

By **Randall A. Thompson, K5ZD**
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and
Billy Lunt, KR1R
Contest Manager

Alan slowly rocked his VFO back and forth. His search had lasted more than a day and he didn't want to miss out through some small bit of momentary carelessness. He needed just two sections to complete his Clean Sweep in the 1995 ARRL Sweepstakes Contest.

As Alan tuned carefully through the bands, he thought about the difficulties his elusive prey must be facing. One was probably sitting in the warm sunshine of the Caribbean contemplating life in a new way following the devastation of Hurricane Marilyn. Ham radio had done serious duty providing emergency communication during and after the hurricane that roared through the US Virgin Islands just weeks before. Would anyone there have the time or interest to work a contest?

Alan's other target was to find a ham holed up in a warm shack escaping from the frozen weather of the Canadian Yukon or Northwest Territories. Even if they were there, would the aurora permit their signal to penetrate southward?

Alan wondered if he should turn the beam north and listen for weak, watery signals with auroral flutter. Or point it south, in the hopes of finding a KP2 or KG4 station. Of equal concern was the falling QSO rate as he vainly searched for these last two sections instead of calling CQ on 20 or 40 meters.

Just as he was about to give up, he heard KP2N high in the band at 21.071 MHz. Wow, what a pileup. "I guess everyone else needs him for the Clean Sweep too," Alan thought.

At the same time, KP2N realized his generator was about to run out of gasoline. He told the pileup to wait and that he would be back in five minutes. The bedlam that came from the headphones was filled with desperation. Despite having to use a generator and temporary antenna, Ron was attracted by the PINS program and wanted to help his fellow contesters make their Clean Sweeps. He decided to camp out on one frequency all day Sunday in the hope that everyone would be able to find him.

Alan was stunned. He had just found what he was looking for, only to have the station go QRT. He dejectedly punched the frequency into his second VFO and kept tuning. He would check back in a few minutes to see if the KP2 would return.

Alan turned his beam north and continued tuning down from the top of 20 meters. Any VE8 or VY1 station would move him one step closer to earning a cup. Signals were pounding in from all parts of the US and Canada. It was clear that SS activity was again at a record high.

Just as he reached the very bottom of the band, Alan thought he heard something



14-year-old Daren, AC6NS, operated in his first CW SS, and says, "I finally worked Delaware for my CW WAS!"

strange. He couldn't really say why, but he stopped his tuning for a few seconds. There it was, a fluttery signal slowly and carefully sending the long SS exchange. At the completion of the QSO, Alan realized it was VY1JA. Jay has been responsible for many Clean Sweep mugs sitting proudly in shacks across the country. Alan called high, low and zero beat in the pileup. Nothing seemed to be working, and VY1JA was getting weaker as the band changed. Alan checked the other VFO and was amazed to hear that KP2N had returned. What a dilemma!

With the clock ticking, his score and a Clean Sweep mug hanging in the balance, Alan pondered what to do. What would you have done?

CW—Lower Sunspots, Higher Scores

If the sunspots keep going down, why do scores keep going up? The answer is more and more activity! Ten meters was virtually useless, and 15 not much better. But the top scorers adjusted their strategy to the low bands and kept running. Almost every area of the country reported 40 meters to be the equivalent of the Energizer Bunny—it just kept going and going.

The race for the high-power title was an interesting game of musical stations. Tree, N6TR, traveled from his home in Oregon to take the controls at W5WMU in Louisiana. Bill, K5GA, a former winner and last year's op from W5WMU, jumped on Southwest Airlines to visit the West Texas Section and N5RZ. It was a good old-fashioned grudge match. When the contest ended, Tree thought he had the contest well in hand. That was before he discovered he had accidentally operated 25 hours (the rules limit you to 24!). After subtracting his last hour of QSOs from the log, the margin was a little closer. Even so, Tree had enough in the log to finally earn his first Sweepstakes victory! Tree missed tying the all-time record score by only one QSO.

In third place was Dave, K5GN, operating in South Texas from the station of K2UA. Close behind was a first-time member of the Top Ten, K1ZX. Operating from South Florida, Jim made over half of his contacts on 40 meters while accomplishing a goal he has been working toward for years. Too bad he missed KP2 for the sweep! Tops from out west was Rich, K13V/7, in Nevada. Rich just got by Jim, N6IG, operating at W6GO. Jim rag-chewed with WP2T to get his VI multiplier! AG9A piloted NC0P in Iowa to his best finish ever.

A noteworthy score was submitted by KZ2S operating from N2NT in New Jersey.

Top Ten

CW		Phone	
Single Operator, QRP		Single Operator, QRP	
K2ZJ	123,880	WB0GAZ	103,452
KD8G	112,500	K2PO/7	96,944
K0FRP	100,740	W7YAO	82,384
K2PO/7	96,944	KF9PL (at N09Z)	76,350
K9AY	96,644	WT3W	73,416
W1MJ	95,046	KB2R (at K1VR)	70,984
K3TM	94,424	AA0OB	66,900
AD8J	89,836	K0FRP	65,968
K14UZ	85,994	AG3H	61,560
WA0RPI	85,820	N5NMY	52,052
Single Operator, Low Power		Single Operator, Low Power	
KR0Y	204,974	VE4GV	247,324
K0EU	186,900	NA5S (KE5CV,op)	246,862
KP4VA (KP4TK,op)	175,200	KP2/KE2VB	239,096
N4ZZ	168,630	W2CRS	224,378
W5XX	165,450	NM5M	222,530
KM9P (K7GM,op)	164,768	N4EEB	213,598
W7ZRC	164,160	K7FR	210,056
K7OX	163,240	AA8AV	206,052
N0AT	162,900	N0AT	205,898
K09Y	162,162	WX0B	203,126
Single Operator, High Power		Single Operator, High Power	
W5WMU (N6TR,op)	238,084	N5RZ	361,284
N5RZ (K5GA,op)	228,690	N2IC/O	343,112
K5GN (at K2UA)	219,912	K6LL	326,942
K1ZX	218,424	AA5BL	325,094
K13V/7	218,218	KA5W (KS1G,op)	316,624
W6GO (N6IG,op)	217,910	K13V/7	314,622
NC0P (AG9A,op)	217,756	W0SD (WD0T,op)	313,544
K6LL	217,294	N7ML	306,306
N6UR (KR6X,op)	215,600	AB5KD	305,228
K4VX/O (WX3N,op)	213,906	(WB5VZL,op)	
Multioperator		Multioperator	
AA5B	237,160	K9RS	352,044
K7UP	217,140	KW8N	332,640
W3GH	211,596	K5MR	308,000
KM0L	180,334	W3GH	303,534
KY1H	180,334	NX0I	300,454
KS9W	179,872	AB4RU	299,222
N6VR	178,332	WD9INF	288,750
N6ZS	178,178	W0CEM	269,654
K6XO/7	178,024	N4ZZ	263,186
AB0S	176,928	W6EEN	258,412

John finished twelfth, just four QSOs and one multiplier out of the Top Ten.

The "A power" category (less than 150 W) saw a new player this year. After years of successful high power SS efforts, Jeff, KR0Y, decided to operate from his station on a 100x150-foot city lot in suburban Dallas. Skill and geography became a powerful combination, as he annihilated the competition by over 100 QSOs. Jeff's score just missed the all-time record for A power. Who says you need a giant station to find success in the SS?

K0EU in Colorado put up a spirited fight to take second. Randy has finished second several times on phone—now he has duplicated the feat on CW! Eric, KP4TK, operated his school's club station, KP4VA, to fulfill the demand for Puerto Rico. Eric was lucky enough to have VY1JA call in with only 10 minutes to go. But he had the bad luck to miss both VI and PR (his own section!). Either one would have moved him into second place. N4ZZ in Tennessee got his clean sweep to finish fourth, ahead of W5XX in Mississippi. K7GM visited the mountaintop station of KM9P in Georgia to capture sixth, just ahead of W7ZRC.

Each year, the QRP entrants demonstrate the value of talent and skill in making Sweepstakes contacts. This year the clear winner was K2ZJ in WNY. He coupled a 64 QSO lead with the best section count in the QRP Top Ten to easily take the plaque. KD8G in WV finished second, with K0FRP in Colorado placing third.

Dynasty! The TV series? No, the fourth win in a row for the AA5B multi-op team in New Mexico. They had some local competition this year from another NM station, K7UP. But experience counts—the Banana Boys finished over 100 QSOs ahead. Back east, W3GH in WPA finished a close third.

Clean Sweeps were difficult, but not impossible—there were 112 Clean Sweeps in the logs received. In addition to VY1JA in YK/NWT, others reported finding VE8TA, VE8NT and VE8NC. The Virgin Island Section was represented by KP2N, KP2BH, WP2T and KG4SH. Special thanks to all of them for making the contest more fun!

ARRL HQ received 1367 CW entries, with 1242 single operators, 118 multiops and 7 checklogs. Of the single ops, we had 143 QRP, 863 A-power (150 W), and 236 B power (>150 W) entries. Special congratulations to those stations that earned a Participation in November Sweepstakes (PINS) pin!

Phone—Sweeps for Everyone

While Clean Sweeps (or lack of them) was the story on CW, the Phone contest saw serious activity from every section. With the challenging goal of making VY1 as easy to find as Ohio, Bruce, AA6KX, drove over 2700 miles to visit VY1JA in the Yukon. With the help of VE8EV, who was also active on the bands, he made YK/NWT very easy to find. Meanwhile, KE2VB took a slightly warmer direction and operated from the Virgin Islands. If there were any truly rare sections, many entrants commented that MS, ME and SF were their last ones.

Individual impressions of the Phone Sweepstakes varied greatly, depending on what part of the country you operated from. Out West, logs were filled with 15-meter QSOs and complaints of how bad 75 meters



John, AD8J, celebrated his birthday during the Phone SS. If his voice sounded muffled, it's probably because his mouth was full of cake!



"I did it! I broke 100k!" Wes, AC5K, seems pretty happy with his finish in CW.

was. In the Midwest and East, 75 meters and its short skip to the population centers was the mainstay. In the South and Middle of the country, 20 meters supplied the majority of contacts. Forty meters is important too, if you can find a home between the broadcast heterodynes. Some entrants even reported good activity and good conditions on 160 meters. It's all part of finding a winning strategy.

Winner of the High Power category was Ralph, N5RZ, operating from West Texas. Ralph admits that West Texas is not propagationally challenged for SS. His 2371 QSOs is an average of almost 100 per hour for the entire contest—wow! Pulling easily into second place was Steve, N2IC, in Colorado. Steve just didn't have the 15-meter openings into W8 and W9 he needed to keep up. There was a very close race for third, with K6LL just getting by AA5BL, KA5W and K13V/7. Rich, K13V, operated only 23 hours! Five members of the Top Ten were from Texas, with W0SD (SD) and N7ML (ID) the

only ones to make it from Up North. Honorable mention goes to the top score from Back East by Tyler, KF3P, in Maryland, who finished 13th overall.

The Low Power competition was a close race between three widely separated stations. Rob, VE4GV, operated only 22 hours, yet won by just 3 QSOs. Second place went to former SS A power champ, Mike KE5CV, operating NA5S in Dallas. Just behind Mike was Larry, KE2VB/KP2. Despite giving out so many Clean Sweeps, Larry missed the Pacific Section for his own Sweep. Moving up after several years in the QRP class, W2CRS in Colorado took fourth place. The low power category continues to offer the closest competition each year.

Many operators agree that the Phone Sweepstakes, with its high activity and long exchange, is one of the most demanding contests in the world. For those operators who choose the QRP category, this is definitely true! Experience counts, as shown by this year's winner, Dave, WB0GAZ, moving up from his fifth place finish of last year. Dave made most of his contacts on 15 and 20 meters. He missed Mar, WY and AK for the Sweep. Bill, K2PO/7, took advantage of his Idaho location and 15-meter propagation to finish second. W7YAO in Oregon also did very well on 15 meters, taking third place.

The Phone multi-operator title saw excellent scores from all areas of the country. On top was a repeat champion, K9RS from New Mexico—the same operating team that won on CW as AA5B. These guys obviously know what they are doing! In second is the high-tech multi-op effort of KW8N in Ohio. Bob and his team use networked computers and interlocked radios to extract every last QSO out of the bands. Third place was almost a tie among K5MR, N0XI and W3GH. Imagine being only a few contacts apart at the 2000-QSO level! AB4RU was close behind, in sixth place.

ARRL HQ received 1665 Phone entries. Of the 1318 single op entries, we had 71 QRP, 937 A-power, and 310 B-power logs. There were 329 multi-op logs and 18 checklogs. Special congratulations to those stations that earned a Participation in November Sweepstakes (PINS) pin!

Regional Competition

The Top Five regional score boxes will help you compare your score to others in your area of the country. Each region consists of a combination of ARRL divisions and sections, chosen for a "best fit," in terms of common geography or population.

On CW, the Northeast region had a three-way low-power battle among WA2SRQ, K1TR and KC1F. It was SRQ's first time over 1000 QSOs with low power. K5ZD just got by K1TO for the New England Division record. The close race on Phone was between KF3P and KE3Q in Maryland—they finished only five QSOs apart!

The Southeast region extends from Virginia to Louisiana to the Caribbean. Check out the photo finish between CW multi-op entries N4EEB and NJ4F. AA4NC and N4ZC battled on Phone for tops in North Carolina.

In the Central region, guest op K8NZ finally got to operate CW SS. After years

Top Five, CW

Boxes list call sign, score and class (Q = QRP, A = Low Power, B = High Power, 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)		
K2ZJ	123,880	Q	KD8G	112,500	Q	WA8RJF	83,232	Q	K0FRP	100,740	Q	K2PO/7	96,944	Q
W1MJ	95,046	Q	KI4UZ	85,994	Q	N9NE	77,328	Q	K9AY	96,644	Q	N7IR	78,952	Q
K3TM	94,424	Q	KB4GID	79,650	Q	K9WA	69,642	Q	WA0RPI	85,820	Q	W6JTI	78,588	Q
AD8J	89,836	Q	K5IID	74,000	Q	WB8RUQ	61,640	Q	K0RI	82,052	Q	W6IO	76,942	Q
AK2P	81,900	Q	W4PRO	64,800	Q	NJ9C	56,800	Q	WV5S	73,584	Q	VE6BMX	60,200	Q
WA2SRQ	157,776	A	KP4VA (KP4TK,op)	175,200	A	KO9Y	162,162	A	KR0Y	204,974	A	W7ZRC	164,160	A
KC1F	153,900	A	N4ZZ	168,630	A	K8BL	154,308	A	K0EU	186,900	A	K7OX	163,240	A
K1TR	153,368	A	W5XX	165,450	A	N8JEC	148,302	A	N0AT	162,900	A	W7RM (AA7NX,op)	160,160	A
KZ1M	138,138	A	KM9P (K7GM,op)	164,768	A	N4TY	146,550	A	AD5Q	160,664	A	AI6V/KH6	153,450	A
N2MM	127,500	A	K0LUZ	161,120	A	N4OGW	145,160	A	W0WDW	155,344	A	AA6PW	150,150	A
N2NT (KZ2S,op)	210,520	B	W5WMU (N6TR,op)	238,084	B	K8AZ (K8NZ,op)	193,732	B	N5RZ (K5GA,op)	228,690	B	K13V/7	218,218	B
K5ZD	209,748	B	K1ZX	218,424	B	KS9K (N0BSH,op)	190,806	B	K5GN (at K2UA)	219,912	B	W6GO (N6IG,op)	217,910	B
K1TO	200,488	B	N4BP	200,640	B	WM4T (KU8E,op)	179,718	B	N0CP (AG9A,op)	217,756	B	K6LL	217,294	B
KF3P	187,572	B	WC4E	196,384	B	W8FN	168,872	B	K4VX/0 (WX3N, op)	213,906	B	N6UR (KR6X,op)	215,600	B
W1WEF	187,572	B	KT3Y	189,300	B	N4XM	168,112	B	K0RF	213,560	B	N6TV	209,608	B
W3GH	211,596	M	N4EEB	158,550	M	KS9W	179,872	M	AA5B	237,160	M	N6VR	178,332	M
KY1H	180,334	M	NJ4F	158,312	M	AA8U	172,018	M	K7UP	217,140	M	N6ZS	178,178	M
WA2UKP	127,512	M	K5MC	117,968	M	W0AIH	165,396	M	KM0L	180,334	M	NB6G	174,174	M
K3WW	120,120	M	WB8BMV	115,520	M	K8JM	151,966	M	K6XO/7	178,024	M	AA6WJ	166,782	M
W3OV	120,000	M	W4ATC	77,700	M	WD8LLD	148,918	M	AB0S	176,928	M	N6KI	163,394	M

Top Five, Phone

Boxes list call sign, score and class (Q = QRP, A = Low Power, B = High Power, 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)		
WT3W	73,416	Q	KN4QS	29,104	Q	KF9PL (at NO9Z)	76,350	Q	WB0GAZ	103,452	Q	K2PO/7	96,944	Q
KB2R (at K1VR)	70,984	Q	AD4TT	18,666	Q	KO4BI	50,616	Q	AA0OB	66,900	Q	W7YAO	82,384	Q
AG3H	61,560	Q	W4FU	17,820	Q	WA8RJF	40,256	Q	K0FRP	65,968	Q	W6CN	36,328	Q
AD8J	44,092	Q	AC4HF	10,800	Q	W8ERN	32,850	Q	N5NMY	52,052	Q	N7JXS	35,510	Q
WE2H	27,904	Q	W4QO	10,388	Q	K8LJQ	21,760	Q	K0RI	43,632	Q	N6AZR	30,680	Q
KZ1M	182,490	A	KP2/KE2VB	239,096	A	AA8AV	206,052	A	VE4GV	247,324	A	K7FR	210,056	A
WA1S	169,400	A	N4EEB	213,598	A	AA4RX	169,400	A	NA5S (KE5CV,op)	246,862	A	W7ZRC	202,202	A
WV3V	165,396	A	KB5WWA	176,176	A	W9UP (N0BSH,op)	168,784	A	W2CRS	224,378	A	N6HC	192,192	A
KB3AFT	146,520	A	WA4ZXA	159,544	A	K8BL	155,848	A	NM5M	222,530	A	N6NF	183,160	A
WA3HAE	138,138	A	AC1O/4	140,140	A	WX9E	138,138	A	N0AT	205,898	A	KC6X	163,086	A
KF3P	292,138	B	W5WMU (KZ5D,op)	285,516	B	WE9V (at KS9K)	285,670	B	N5RZ	361,284	B	K6LL	326,942	B
KE3Q	291,368	B	W4MYA	275,814	B	K8CC (WD8JP,op)	252,406	B	N2IC/0	343,112	B	K13V/7	314,622	B
WB1GQR	284,130	B	W24F	269,192	B	K9BGL	238,392	B	AA5BL	325,094	B	N7ML	306,306	B
(WB2JSJ,op)			AA4NC (K14HN,op)	236,082	B	NZ8O	235,620	B	KA5W (KS1G,op)	316,624	B	WC6H	296,552	B
W1WEF	266,728	B	N4ZC (WB5M,op)	234,080	B	W0AIH (N0AXL,op)	228,844	B	W0SD (WD0T,op)	313,544	B	KD6UO	260,568	B
K2ZJ (WA2LCC,op)	240,394	B												
W3GH	303,534	M	AB4RU	299,222	M	KW8N	332,640	M	K9RS	352,044	M	W6EEN	258,412	M
KY1H	253,792	M	N4ZZ	263,186	M	WD9INF	288,750	M	K5MR	308,000	M	K7IR	248,864	M
KY2J	238,700	M	KC4DY	239,624	M	AA8U	250,250	M	NX0I	300,454	M	WV7Y	243,320	M
K1KP	209,132	M	KO4EW	229,768	M	N9QX	247,324	M	W0CEM	269,654	M	N6NB	232,386	M
N2KJM	200,662	M	W5YM	214,830	M	KG8EF	231,616	M	K0DD	249,942	M	N6KI	225,610	M

of conflicts with football coaching duties, Ron took advantage of the opportunity to win in the region's high power category. On Phone, WE9V worked almost 1000 QSOs on 75 meters to set a new WI record. AA8AV put up a Top Ten score to outgun rivals AA4RX and W9UP.

The toughest region? How about the Midwest region, which stretches from North Dakota to Texas. Plenty of Top Ten and near-Top Ten scores in this crowd. K0RF puts together a great score on high-power CW and barely makes the region box. On Phone, this region has the number one score for all four categories! That's tough competition.

Out in the West Coast region, there were dogfights for high- and low-power CW honors. W7ZRC just got by K7OX on low power while K13V aced out W6GO, K6LL and N6UR. How many Clean Sweeps would have happened without AI6V/KH6 (CW) and KH6RS (phone)? K2PO/7 submitted Top Ten QRP scores for both modes. He was pushed along by N7IR on CW and W7YAO on Phone.

Club Competition

In the Affiliated Club Competition's Unlimited category, the Northern California Contest Club put together 99 logs to accomplish their *fourth* consecutive victory. Can anyone challenge them? The Potomac Valley Radio Club made a serious effort by more than doubling their entries from last year, but it wasn't enough to catch the NCCC juggernaut.

In the Medium Club category, the Mad River Radio Club moves up to the number one spot. The Southern California Contest Club stepped down from their usual number-one spot in the Unlimited category to finish second. Last year's Medium Club winner, the North Texas Contest Club, placed third.

The Local Club gavel belongs to the River City Contesters, until someone can pry it away from them. With victories five of the past six years, they have a tight grasp on the title. The Carolina DX Association moved up to the number two spot, just passing the Hudson Valley Contesters and DXers.

Final Notes

Special thanks to Assistant Contest Manager Warren C. Stankiewicz, NF1J, and Contest Assistant Rich Moris, KB1LE, for their help in preparing the results. Mark your calendar now for the 1996 ARRL September Sweepstakes: CW is November 2 to 4 and Phone is November 16 to 18.

SOAPBOX

CW

Band conditions were great, especially on 40! Thanks to everyone who had the patience to dig my QRP signal out of the QRM! (AA1JM). Funny how it always seems to happen—After a desperate search for North Dakota, I finally caught KE0A for my Sweep—then WB0T called me just eight QSOs later, on a different band (W1ECH). Propagation seemed to be good this year. It was hard to find a clear spot on the band to call CQ! (N2LSK). This is the best contest in the world (N2WK). Conditions were great for being in a solar cycle slump. 80 meters was excellent (N2DM). This was my first CW contest entry in 35 years (WA2RBO). I had a great time, even though no one heard me on 15! (N3MHW). This was the first time I've ever tried Sweepstakes.

Affiliated Club Competition

Unlimited Category	Score	Entries	CW Winner	Phone Winner
Northern California Contest Club	7,986,898	99	K13V/7	K13V/7
Potomac Valley Radio Club	6,764,130	98	KT3Y	KF3P
Yankee Clipper Contest Club	4,252,176	66	K5ZD	K1RQ (NJ1F,op)
Frankford Radio Club	3,898,826	54	N2NT (KZ2S,op)	WB2K
Medium Category				
Mad River Radio Club	5,028,046	47	WM4T (KU8E,op)	K8CC (WD8IJ,op)
Southern California Contest Club	4,292,402	37	K6LL	K6LL
North Texas Contest Club	4,121,734	33	AA5BL	AA5BL
Society of Midwest Contesters	3,258,222	33	KO9Y	WE9V (@ KS9K)
Minnesota Wireless Assn	2,867,180	30	K0JL	W0AIH (N0AXL,op)
North Coast Contesters	2,737,604	35	K8AZ (K8NZ,op)	K8BL
Western Washington DX Club	2,068,858	20	N0AX	K7RI (AA7FT,op)
Kentucky Contest Group	1,913,334	31	N4XM	AA4RX
Murphy's Marauders	1,626,402	18	K1TO	W1WEF
Florida Contest Group	1,591,786	14	K1ZX	N4EEB
Texas Assn of Contest Ops	1,507,282	7	NM5M	K45W (KS1G,op)
Texas DX Society	1,448,384	14	N5RZ (K5GA,op)	W5ASP
Mid High DX Assn	1,425,474	12	K0KR	N2IC/0
Rochester (NY) DX Assn	1,421,002	26	W6XR	K8FC
Nashville ARC	1,099,432	9	N4ZZ	K0EJ
Salt City DX Assn	993,078	13	K2ZJ	K2ZJ (WA2LCC,op)
New Mexico Big River Contest Club	817,586	3	—	KB3EI
Central Texas DX and Contest Club	749,802	5	W5ASTOS	AB5KD (WB5VZL,op)
Woodbridge Wireless	698,752	15	N4LJS	WD4KXB
Left Coast Contest Club	681,900	4	N7MMQ	WA7FAB
Oklahoma DX Assn	656,880	5	W5UDA	W5CCP (AH9B,op)
Troy ARA	648,716	25	WA1KKM	WA1KKM
Kansas City DX Club	565,492	4	NJ8M	NJ8M
Motor City Radio Club	537,580	37	K8SIA	K8SB
Great Falls Area ARC	536,350	6	AA7BG	K7LUH
Western New York DX Assn	470,476	11	KW2J	AE2T
Providence Radio Assn	460,140	8	K1MD	K1VSJ
Cascade Contest Club	456,754	5	W7RM (AA7NX,op)	K9JF
Rip Van Winkle ARS	435,212	12	N2JOH	KF2LW
South Jersey Radio Assn	434,222	24	W2ESX	N2LCR
Southeastern DX Club	432,890	6	K4BAI	K4BAI
Williamette Valley DX Club	380,380	6	AA7KF	W7YAQ
Northrop Grumman Radio Club	368,632	8	N6GL	K6HRT
Hazel Park ARC	363,132	21	W0BS	WD8S
Eastern Iowa DX Assn	348,054	4	KF0H	W0OF
Hamfesters Radio Club	334,522	10	W9LNQ	N9RIT
Grand Mesa Contesters	332,390	5	N5ZR	KG0ZI
Long Island Mobile ARC	330,520	7	K2AU	KS2G
Kettle Moraine Radio Amateurs	328,108	7	WA1UJU	WA1UJU
Parkersburg Amateur Radio Klub	321,160	7	KD8G	N8YYS
Schenectady ARA	311,572	7	K2UF	K2UF
Radio Club of Tacoma	262,050	15	K7PUC	N2DOE
Central Michigan ARC	261,956	10	W8TJQ	W8TJQ
Upper Lake Livingston Wireless Assn	246,654	3	K5SC	KS5C
Valley Radio Club of Eugene	241,574	6	K7DBV	N7IXG
Meriden ARC	237,390	4	K1TG	KE1AU
West Park Radiops	221,514	8	W8PN	AF8C
Ramapo Mountain ARC	217,192	7	KB2POP	KB2POP
Fon du Lac ARC	207,300	6	W9MSE	ND9O
Downey ARC	198,228	6	AC6EF	AC6EF
Wyoming DX Contest Club	196,434	5	NCTO	N7MZV
California Central Coast DX Club	172,028	3	W6TKF	W6TKF
Albany ARA	170,634	3	WB2YLR	WB2YLR
Highland ARA	156,732	6	KJ8I	KJ8I
Lebanon Valley Society of Radio Amateurs	138,548	7	N3FOG	W73H
Brockport Amateur Radio Klub	132,652	8	N2WK	KF2XC
Livingston ARK	126,192	3	W0BNFX	N5XHT
Jersey Shore ARS	121,238	4	WB2DIN	WB2DIN
Virginia Beach ARC	117,144	5	KC4UFN	KN4US
Goddard ARC	114,036	4	W3G3CZCZ	N2US
Southwest Ohio DX Assn	111,476	3	KF8GE	WA8LOW
Fox Cities ARC	107,784	7	W9FBC	AA9NM
Sterling Park ARC	107,504	4	K4GEL	W4LMJ
Lynchburg ARC	99,722	4	WD4ELJ	WD4ELJ
Murgas ARC	99,450	5	WA3YON	WB3FAA
OH-KY-IN ARS	97,278	3	—	N8ZFM
Wichita ARC	96,880	3	KF0M	N1OS
Mississippi Valley DX/Contest Club	95,520	3	K1OW	K0JPL
Lincoln Trail ARC	91,234	4	KT4DQ	AD4SM
L'Anse Creuse ARC	68,284	3	—	WB8ZJL
Poughkeepsie ARC	63,966	5	K4SF	AA2OI
Durango ARC	61,786	3	AA0QF	AA0QF
Fresno ARC	56,388	4	WB6ITM	WB6ITM
Cheshire County DX Assn	52,084	3	—	N1CNI
Green Valley ARC	49,490	6	W6SYM	KJ7OF
Rowan ARS	47,800	4	—	KQ4OQ
Capital City ARS	20,712	3	—	KA3DOF
Puerto Rico DX Club	4,604	3	KP4DDB	KP4DDB
Local Category				
River City Contesters	1,817,716	10	W6GO (N6IG,op)	—
Carolina DX Assn	944,524	7	N4ZC	AA4NC (K14HN,op)
Hudson Valley Contesters and DXers	873,874	8	W2XL	AA2GS
Federation of Amateur Radio Operators	872,500	10	K9BGL	K9BGL
Northern Arizona DX Assn	459,402	9	NG7S	NF7E
Eastern Connecticut ARA	417,180	7	K21M	K21M
North Shenandoah DX Assn	337,186	7	N4MM	K8OQL
Sturdy Memorial Hospital ARC	299,034	5	W1XS	W1XS
Orange Park ARC	264,922	8	NU4Y	KS4KP
Vicksburg ARC	257,846	3	W5XX	N5QDE
Kalamazoo ARC	234,240	5	AA8RB	AA8PA
Falmouth ARA	214,970	4	WT1O	KA1IOR
Dauberville DX Assn	211,520	6	WB3AAL	WB3AAL
Kanawha ARC	206,968	5	K8MBH	W8NR
Roanoke Valley ARC	188,650	4	—	KE4PUC
East Coast DX Assn	169,892	4	KA2ANF	WB2RQX
Mike and Key ARC	159,906	6	WA7UVJ	W6PKW
Purdue ARC	116,454	4	KF9UP	KF9UP
Binghamton ARA	112,604	5	—	KA2CNG
American Red Cross Emergency Communications Society	98,588	6	—	WB2AYO
Baton Rouge ARC	90,388	3	KC5ZZ	N5SMQ
Norwood ARC	81,442	3	WA1OLV	WA1OLV
10-70 Repeater Assn	64,244	3	KB2JE	KB2JE
Albemarle ARC	30,298	4	W2HD	KM4DU



Is the fan for the rig, the computer, or the operators? Kes, KB5IXI (I) and Alen, KB5VLA work the Phone SS at KB5RQL.



Work them faster! Carson, KD4WQO (I) and Matt, KC4VZK, (third from left) urge on OB, N4IAG (second from left) and Don, W4ZYT, at the W4ZYT operation on the Outer Banks of North Carolina.

It was a lot of fun, even though I didn't have much time (K3ATO). I got a little run going on 80. "Loop skywires" really play in this contest (ND3F). My stealth antennas came through! (AA3HM). I had a lot of fun chasing sections in a limited time (K3YDX). This was my first Clean Sweep ever—what a thrill! (N3IXR). I'm glad I got a computer to log with (W3HDDH). It's always fun to see how many QSOs can be made with QRP (KB4GID). Even though the exchange is long, the operators were more civilized and polite (N4LJS). I started out trying to fill holes in my 5BWAS, but wound up having a lot of fun! (W3FTG). I had my last mult by late Sunday morning, so it wasn't a mad dash at the end of the contest (NJ4F). What a great contest for the average station. My score finally broke 100k! (WB4NFS). Looking for VE8 is giving me ulcers (N4CT). This was my first Clean Sweep in three years! It's nice to hear the last multiplier thank you for your section (K5SL). 10 meters always opens up during SS. I wonder why? (W4RTE). One of these days I'm going to Sweep with QRP (AB5OU). I hope 10 meters comes back soon (K7UP). There was a lot of activity this year (NA5Q). This is always the toughest challenge of the contesting year! (K5GN). This was my first all-CW contest since the 1984 NR. The things one will do to earn the SS pin! (W6HT). I wouldn't want to arm wrestle the guy who gave me his QSO number 300 using a straight key! (KS1G). I can understand missing MAR and VI, but what happened to ND? (W6KTF). It was my first serious contest. The band was packed and I had tons of fun. I think I'm hooked on this CW contest thing now (KE6JRR). I'm 14 years old and this was my first SS. I finally worked Delaware for my CW WAS (AC6NS). I got into a spaced-out, trance-like mode while running, where sounds in the headphones become keystrokes with

ARRL November Sweepstakes Plaque Winners

Listed below are all of the plaque category winners. Only plaques with sponsors will be awarded. If you have won a plaque category without a sponsor, you may purchase your own plaque. The cost is \$50 per plaque. If you, your club, or business is interested in sponsoring any of the unsponsored plaques call Billy Lunt, KR1R, at ARRL HQ.

Category	Winner	Donor	Category	Winner	Donor
Overall			Northwestern Division		
QRP CW	K2ZJ	ARRL	QRP CW	K2PO/7	
Low Power CW	KR0Y	ARRL	Low Power CW	W7ZRC	Ken Kopp, K0PP
High Power CW	W5WMU (N6TR,op)	WN4KKN and W0UA	High Power CW	W2VJN	Dennis Motschenbacher, KZ5M
Multioperator CW	AA5B	ARRL	Multioperator CW	KL7Y	
QRP Phone	WB0GAZ	ARRL	QRP Phone	K2PO/7	Steve Morris, K7LXC and Up The Tower
Low Power Phone	VE4GV	ARRL	Low Power Phone	K7FR	
High Power Phone	N5RZ	ARRL	High Power Phone	N7ML	
Multioperator Phone	K9RS	ARRL	Multioperator Phone	K7IR	
Atlantic Division			Pacific Division		
QRP CW	K3TM	Randy Rand, AA2U	QRP CW	W6JTI	
Low Power CW	N2MM		Low Power CW	A16V/KH6	Robert A. Wilson, N6TV
High Power CW	KF3P	North Coast Contesters	High Power CW	K13V/7	
Multioperator CW	W3GH		Multioperator CW	N6ZS	
QRP Phone	WT3W		QRP Phone	WB6ITM	
Low Power Phone	WW3V		Low Power Phone	N6NF	Jim Hollenback, WA6SDM
High Power Phone	KF3P	North Coast Contesters	High Power Phone	K13V/7	
Multioperator Phone	W3GH	Mark Sickmeyer, KB3GJ, Memorial	Multioperator Phone	N6NB	
Central Division			Roanoke Division		
QRP CW	N9NE		QRP CW	KD8G	Raleigh Amateur Radio Society
Low Power CW	K09Y	Society of Midwest Contesters	Low Power CW	N4ZR	
High Power CW	KS9K (N0BSH,op)		High Power CW	KT3Y	
Multioperator CW	KS9W		Multioperator CW	NJ4F	Raleigh Amateur Radio Society
QRP Phone	KF9PL (at N09Z)		QRP Phone	WF4U	
Low Power Phone	W9UP (N0BSH,op)	Society of Midwest Contesters	Low Power Phone	WA4ZX	Jim Stevens, K14HN
High Power Phone	WE9V (at KS9K)		High Power Phone	W4MYA	
Multioperator Phone	N9QX		Multioperator Phone	WB8BMV	Shenandoah Valley ARC
Dakota Division			Rocky Mountain Division		
QRP CW	KE0Z	Tod Olson, K0TO	QRP CW	K0FRP	
Low Power CW	N0AT	Twin City FM Club	Low Power CW	K0EU	
High Power CW	W0SD (WD0T,op)	Minnesota Wireless Assn, W0AA	High Power CW	K0RF	
Multioperator CW	KE0A	Minnesota Wireless Assn, W0AA	Multioperator CW	K7UP	In Memeory of M.R. Neary, N7AA
QRP Phone	AA0QB	Tod Olson, K0TO	QRP Phone	K0FRP	
Low Power Phone	N0AT	Twin City FM Club	Low Power Phone	W2CRS	
High Power Phone	W0SD (WD0T,op)	Minnesota Wireless Assn, W0AA	High Power Phone	N2IC/0	
Multioperator Phone	K0DD	Minnesota Wireless Assn, W0AA	Multioperator Phone	K7UP	In Memeory of M. R. Neary, N7AA
Delta Division			Southeastern Division		
QRP CW	K14UZ	Pat Sonnier, W5WMU	QRP CW	KB4GID	
Low Power CW	N4ZZ		Low Power CW	KP4VA (KP4TK,op)	
High Power CW	WR3O		High Power CW	K1ZX	
Multioperator CW	K5MC		Multioperator CW	N4EEB	
QRP Phone	AC4HF		QRP Phone	KN4QS	
Low Power Phone	KB5WWA	Pat Sonnier, W5WMU	Low Power Phone	KP2/KE2VB	
High Power Phone	W5WMU (KZ5D,op)		High Power Phone	WZ4F	
Multioperator Phone	N4ZZ		Multioperator Phone	AB4RU	
Great Lakes Division			Southwestern Division		
QRP CW	WA8RJF	Bill Maxson, N4AR	QRP CW	N7IR	
Low Power CW	K8BL	Mad River Radio Club	Low Power CW	K7OX	Larry Serra, N6AZE
High Power CW	K8AZ (K8NZ,op)	North Coast Contesters	High Power CW	K6LL	
Multioperator CW	AA8U	David Smith, ND4Y	Multioperator CW	N6VR	Warren Hill, KF7AY
QRP Phone	KO4BI		QRP Phone	W6CN	Ray Day, N6HE
Low Power Phone	AA8AV	Mad River Radio Club	Low Power Phone	N6HC	
High Power Phone	K8CC (WD8JIP,op)	North Coast Contesters	High Power Phone	K6LL	
Multioperator Phone	KW8N		Multioperator Phone	W6EEN	
Hudson Division			West Gulf Division		
QRP CW	N2JJ		QRP CW	WV5S	
Low Power CW	WA2SRQ		Low Power CW	AD5Q	D. Craig Boyer, AH9B
High Power CW	N2NT (KZ2S,op)		High Power CW	N5RZ (K5GA,op)	
Multioperator CW	WA2UKP	Stuart Silverstein, K3UEI, Memorial	Multioperator CW	W5PAA	Oklahoma Comm Center
QRP Phone	WE2H	QRP Club of New England	QRP Phone	N5NMY	
Low Power Phone	K8XF	Troy ARA	Low Power Phone	NA5S (KE5CV,op)	D. Craig Boyer, AH9B
High Power Phone	WB2K	John Hults, KF2BH	High Power Phone	AA5BL	
Multioperator Phone	KY2J	Hudson Valley Contesters and DXers	Multioperator Phone	K5MR	Oklahoma DX Assn
Midwest Division			Canada		
QRP CW	WA0RPI		QRP CW	VE6BMX	
Low Power CW	KF0H		Low Power CW	VE5SF	Don Haney, KA1T
High Power CW	NC0P (AG9A,op)		High Power CW	VE7NTT	River City Contesters
Multioperator CW	KM0L		Multioperator CW	VE6AO	
QRP Phone	N0EID		QRP Phone	VE6SH	
Low Power Phone	WA0X		Low Power Phone	VE4GV	
High Power Phone	K0DEQ		High Power Phone	VE5AG	D. Craig Boyer, AH9B
Multioperator Phone	NX0I		Multioperator Phone	VG6JY	
New England Division					
QRP CW	W1MJ				
Low Power CW	KC1F	Brian Szweczyk, NJ1F			
High Power CW	K5ZD	Michael Perry, WM1K			
Multioperator CW	KY1H	Jon Neary, W1UA			
QRP Phone	KB2R (at K1VR)	Michael Perry, WM1K			
Low Power Phone	KZ1M				
High Power Phone	WB1GQR (WB2JSJ,op)	Ed Parsons, K1TR			
Multioperator Phone	KY1H	Jon Neary, W1UA			

no conscious effort (AB6YL). Those ops with over 1000 QSOs must be animals, I don't know how they do it (K8PFY). 80 meters was a struggle with 100 W; I could hear many East Coast stations that could not hear me (NX7K). I didn't hear a peep out of Maine! Someone needs to send an SSPedition to Portland! (KX7L). It was great to hear 15 meters loaded with signals (W6JL). Propagation was really long (NC7O). I'm a 12-year-old Extra, and this is my favorite contest (KG8PE). I thought I'd never earn the pin, but Sunday morning I made it. It was a great experience for me—I'm only 14 (KB8UKP). It was my first

contest ever, and I picked up 10 new states (AA8IC). This was the first time I've tried two radios, it was neat! (K8DD). I tried a new rig out, only to find out all of its glitches (K8OUA). 80 meters was in great shape here (WT8P). Half of my contacts were with slow speed ops, and it was great to hear them (N8UDO). I contacted several states I had never worked before, and all on the real radio mode—CW (N8CPA). It was good to work over 100 stations in just a few hours for a pin (KE9EX). QRP continues to fascinate and amaze me (NJ9C). I wish I had spent more time in SS (WD9IAB). Instead of shooting

ducks, I bagged QSOs for my best finish ever (WA0RPI). This was my first time operating high power for many years (W0SD). This year, I more than doubled my score, and the pin is a nice way to celebrate (VA3DA). Thank goodness for filters (VE4GV). I thought this was the year for my first Sweep—but where was PQ? (VE3ZTH).

Phone

This is the first contest I ever participated in on my own. I had a great time (N2BQA). There was more VE8/VY1 activity than ever. It's still special to work

every one of them (W1WEF). It's amazing what you can do with just wire antennas (KQ2M). What a difference from CW! This time, I worked three VI stations (K8JLF). It was a great learning experience. Next time, I'll go beyond the 100 contacts for the pin (N1OEF). How lucky we were to have two YU/NWT stations this time around (W1OP). I learned that with a smaller station, the popular band is not the best band (N1PBT). This was my first time working SS with QRP. It's amazing what 5 W to a good antenna can do! (WE2H). It would have been a better contest if I hadn't had a sinus infection (N2GQS). I didn't spend a lot of time in the Phone Sweepstakes, but still enjoyed giving our club some contacts (N2LSK). 80 meters was my best band, with lots of good signals to work and the noise level low enough to make contacts (N2MZH). It was great fun working a Sweep by Sunday morning (N2KJM). I missed ME and MAR—how humiliating! (AE2T). It's tough enough to work low power, but when your antennas don't work, it can be the pits (N4MO). I'm really beginning to feel like an old-timer; I worked very few checks lower than my 47 (W3NTO). This is my best score in SS so far (WX3H). I learned the 80-meter dipole easily outperforms the ground-mounted vertical (K3YDX). This was my first Sweep in 24 years! (ND3F). After 28 years, my first Sweep ever! What a feeling! (WA3HAE). My first SS was 40 years ago. It's hard to believe I haven't grown any older (W9XR). I got the Sweep early, but stuck in there to hand out SC. I had a ball! (W8CNL). This was my first SS ever. It took just over 21 hours of casual tuning and calling to make a Clean Sweep (KK4FB). I could only get about 35 W out on 80, which made contacts hard to come by (AA4LR). didn't get any points for it (AE5V). We had some great pileups Sunday afternoon (KB5RQL). This was my first serious low-power effort from my home station (NA5Q). This was my first contest, and I am hooked forever! (N5MTS). Working the Sweep with QRP was exciting! (N5NMY). I finally worked enough stations for the pin, and am only one state away from WAS (KK5CA). The Sweep seemed easy to get this year. It was tough to find clear frequencies on 20. 10 was open for a while, but few knew it (KC6X). This was my best SS so far. I could have used some 10-meter QSOs, though (KJ6HO). Let's burn Murphy at the stake! I'm sick of him (K6HRT). (AB6YL). It was great watching the timid kids become aggressive pileup handlers after a few hours experience (KC7KFF). Conditions at night were grueling (K7MM). It was a super-duper SS! (AA7BG). I need much bigger antennas. This is the best I've ever done on 80 (NC7K). This year was mostly practice and learning, next year I'm going to try a lot harder (KC7BNH). What happened to SFL? I never expected to miss that one! (AA0CY). This

Collegiate Championship

The 1995 Collegiate Championship once again was held during the ARRL November Sweepstakes. This year's event saw two new champions take top billing, with the University of Puerto Rico's KP4VA taking the CW and combined categories, while the University of Arkansas's W5YM took the Phone category.

School participation was up slightly from last year. Get your school involved in the ham radio version of the National Championship. For more information, contact Robert Barron, PO Box 180703, Austin, TX 78718.

Top CW Scores

Call	School	QSOs	Sections	Score
KP4VA	Univ. of Puerto Rico	1168	75	175,200
W8EDU	Case Western Reserve	844	77	129,976
WO9S	Univ. of Chicago	751	76	114,152
W4ATC	North Carolina State	525	74	77,700
K8EEH	Henry Ford Comm. College	307	70	42,980

Top Phone Scores

Call	School	QSOs	Section	Score
W5YM	Univ. of Arkansas	1395	77	214,830
W6UE	Cal Tech	1307	77	201,278
VE2CUA	Concordia Univ.	1278	77	196,812
KP4VA	Univ. of Puerto Rico	946	76	143,792
W6BHZ	California Poly	813	77	125,202

Top Combined Scores

Call	School	CW	Phone	Total
KP4VA	Univ. of Puerto Rico	1000	669	1669
WO9S	Univ. of Chicago	605	569	1174
W8EDU	Case Western Reserve	689	157	846
W4ATC	North Carolina State	412	250	662
W6BHZ	California Poly	6	582	588

Other schools participating included Stanford University, W6YX; Henry Ford Community College, K8EEH; Baylor University, KC5OJY; University of Texas, W5EHM; Yale University, W1YU; University of British Columbia, VE7UBC; University of South Florida, KE4ZYV; Ohio University, W8PZS; and Carl Hayden Community High School, KC7KFF.

was a lot of fun, for my first contest (K17ST). It was murder on 40 meters (N7LOX). This was a "lab course" in our Contest College program. We managed a Clean Sweep and turned out some motivated students (W7FR). Thanks to everyone who strained their ears to hear me (WC7S). This contest has become very contagious to me (AA8AV). I just hope that next year I remember that I can't turn an inverted V with my Yagi rotorator (KG8PE). I wish we didn't have to wait another year to do it all over again. East Coast stations on 80 sounded like Russians over the pole on 10 used to sound (AA8U). I had 76 sections going into the final hour and was discouraged, when suddenly signals improved and I nabbed PAC for the

Sweep! (WD8NWL). For the casual tester, the pin is a great deal (WA8AHK). Sometimes I couldn't even remember what my phonetics were (N9PBM). I can't believe I had almost 1000 QSOs on 80! (WE9V). 15 meters sounded like it had a 20-dB attenuator in the ionosphere (WB0GAZ). I was anticipating a nail-biting battle for the Sweep, but it seemed like most of the tough sections were out in droves (K0BJ). I'm glad I stayed home and missed goose hunting this year (W0CEM). I miss the 10-meter Novices so much! I came within 50 QSOs of my personal best—at a time when propagation is supposed to be terrible (VE4GV). It was tough to squeeze in among the bigger signals (VE7NF).

Scores

CW scores are listed first, followed by phone. Within each Section, scores are listed in descending order, by power categories, followed by multioperators. Line scores list call sign, score, QSOs, multipliers, hours, class (Q = QRP, A = Low Power, B = High Power, M = Multioperator). **Bold** denotes Division leaders.

CW										Phone									
1										2									
Connecticut										Connecticut									
KH6CP/1	70,290	495	71	24	Q					KH6CP/1	70,290	495	71	24	Q				
W1QK	42,240	320	66	10	Q					W1QK	42,240	320	66	10	Q				
NM1K	25,856	202	64	24	Q					NM1K	25,856	202	64	24	Q				
N1CJB	23,600	200	59	23	Q					N1CJB	23,600	200	59	23	Q				
AA1JM	23,180	190	61	24	Q					AA1JM	23,180	190	61	24	Q				
NM1Q	19,276	158	61	11	Q					NM1Q	19,276	158	61	11	Q				
KA1CZF	14,112	144	49	24	Q					KA1CZF	14,112	144	49	24	Q				
Eastern Massachusetts										Eastern Massachusetts									
K1CGJ	73,704	498	74	24	Q					K1CGJ	73,704	498	74	24	Q				
W1MK	41,392	363	57	54	Q					W1MK	41,392	363	57	54	Q				
K1JKS	127,224	837	76	24	A					K1JKS	127,224	837	76	24	A				
K1VUT	125,504	846	74	24	A					K1VUT	125,504	846	74	24	A				
W1TQ	124,468	841	74	24	A					W1TQ	124,468	841	74	24	A				
K8JLF	116,476	787	74	24	A					K8JLF	116,476	787	74	24	A				
WA2CJT	92,720	810	76	20	A					WA2CJT	92,720	810	76	20	A				
K3AHH	73,950	512	69	22	A					K3AHH	73,950	512	69	22	A				
W1KEE	68,544	476	72	22	A					W1KEE	68,544	476	72	22	A				
W21K	67,104	466	72	22	A					W21K	67,104	466	72	22	A				
WA1OLV	59,312	392	68	19	A					WA1OLV	59,312	392	68	19	A				
K1XKM	32,000	250	64	6	A					K1XKM	32,000	250	64	6	A				
W1ZNY	26,784	216	62	17	A					W1ZNY	26,784	216	62	17	A				
KB1CLV	24,340	205	57	15	A					KB1CLV	24,340	205	57	15	A				
K8SH	22,082	181	51	5	A					K8SH	22,082	181	51	5	A				
WB1DFI	21,900	150	73	24	A					WB1DFI	21,900	150	73	24	A				
WA1TTE	18,032	161	56	21	A					WA1TTE	18,032	161	56	21	A				
K1SEC	17,600	160	55	6	A					K1SEC	17,600	160	55	6	A				
W01N	17,100	150	57	8	A					W01N	17,100	150	57	8	A				
WB1ELA	14,980	144	48	8	A					WB1ELA	14,980	144	48	8	A				
N1AS1	13,860	105	66	16	A					N1AS1	13,860	105	66	16	A				
KT2E	11,400	100	67	2	A					KT2E	11,400	100	67	2	A				
N1DS	8,536	97	44	24	A					N1DS	8,536	97	44	24	A				
K1MC	3,762	57	33	5	A					K1MC	3,762	57	33	5	A				
K1UCA	1,012	23	22	3	A					K1UCA	1,012	23	22	3	A				
Maine										Maine									
W1XN	19,548	181	54	13	Q					W1XN	19,548	181	54	13	Q				
KX1E	70,656	512	69	22	A					KX1E	70,656	512	69	22	A				
W1DEO	18,060	129	70	10	A					W1DEO	18,060	129	70	10	A				
KB1BNY	7,140	102	35	10	A					KB1BNY	7,140	102	35	10	A				
AA1KC	7,140	119	30	11	A					AA1KC	7,140	119	30	11	A				
N1MHB	3,248	58	28	9	A					N1MHB	3,248	58	28	9	A				
New Hampshire										New Hampshire									
AA1CA	30,736	226	68	24	Q					AA1CA	30,736	226	68	24	Q				
WA1RLO	13,250	125	53	24	Q					WA1RLO	13,250	125	53	24	Q				
AA1EX	7,344	108	34	11	Q					AA1EX	7,344	108	34	11	Q				
KC1F	153,900	1026	75	24	A					KC1F	153,900	1026	75	24	A				
K1TR	153,368	1009	76	24	A					K1TR	153,368	1009	76	24	A				
AA1HJ	92,440	616	75	23	A					AA1HJ	92,440	616	75	23	A				
KZ1O	40,572	322	63	13	A					KZ1O	40,572	322	63	13	A				
AA1KL	38,024	316	57	11	A					AA1KL	38,024	316	57	11	A				
AE1D	28,892	233	62	15	A					AE1D	28,892	233	62	15	A				
AA2Z	25,200	210	60	20	A					AA2Z	25,200	210	60	20	A				
W1UBG	18,054	177	51	20	A					W1UBG	18,054	177	51	20	A				
KB1AXF	14,410	131	55	15	A					KB1AXF	14,410	131	55	15	A				
KA1FMR	10,152	108	47	16	A					KA1FMR	10,152	108	47	16	A				
N1STB	6,322	109	29	14	A					N1STB	6,322	109	29	14	A				
K1BV	77,526	531	73	13	B					K1BV	77,526	531	73	13	B				
WC1M	63,738	431	74	14	B					WC1M	63,738	431	74	14	B				
N1NCI (+net)	14,204	134	53	12	A					N1NCI (+net)	14,204	134	53	12	A				
Rhode Island										Rhode Island									
WA1HYN	27,300	210	65	7	Q					WA1HYN	27,300	210	65	7	Q				
W5TEH	25,870	199	65	10	Q					W5TEH	25,870	199	65	10	Q				
KM1X	120,150	801	75	24	A					KM1X	120,150	801	75	24	A				
K1MD	64,182	472	68	24	A					K1MD	64,182	472	68	24	A				
K1VJSJ	60,192	418	72	16	A					K1VJSJ	60,192	418	72	16	A				
KC1CU	35,772	271	66	14	A					KC1CU	35,772	271	66	14	A				
K3IU	26,928	204	66	10	A					K3IU	26,928	204	66	10	A				
Western Massachusetts										Western Massachusetts									
W1WJ	95,046	651	73	24	Q					W1WJ	95,046	651	73	24	Q				
N1AW	4,392	61	36	7	Q					N1AW	4,392	61	36	7	Q				
KZ1M	138,138	897	77	22	A					KZ1M	138,138	897	77	22	A				
WE1B	24,570	195	63	8	A					WE1B	24,570	195	63	8	A				
2										2									
KY1H (+KB1W,WM1K)	180,334	1171	77	24	B					KY1H (+KB1W,WM1K)	180,334	1171	77	24	B				
Eastern New York										Eastern New York									
N2JJ	30,418	227	67	17	Q					N2JJ	30,418	227	67	17	Q				
WA2ST	113,250	755	75	22	A					WA2ST	113,250	755	75	22	A				
K2UE	94,128	636	74	23	A					K2UE	94,128	636	74	23	A				
2										2									
KY1H (+KB1W,WM1K)	180,334	1171	77	24	B					KY1H (+KB1W,WM1K)	180,334	1171	77	24	B				
Eastern New York										Eastern New York									
N2JJ	30,418	227	67	17	Q					N2JJ	30,418	227	67	17	Q				
WA2ST	113,250	755	75	22	A					WA2ST	113,250	755	75	22	A				
K2UE	94,128	636	74	23	A					K2UE	94,128	636	74	23	A				
2										2									
KY1H (+KB1W,WM1K)	180,334	1171	77	24	B					KY1H (+KB1W,WM1K)	180,334	1171	77	24	B				
Eastern New York										Eastern New York									
N2JJ	30,418	227	67	17	Q					N2JJ	30,418	227	67	17	Q				
WA2ST	113,250	755	75	22	A					WA2ST	113,250	755	75	22	A				
K2UE	94,128	636	74	23	A					K2UE	94,128	636	74	23	A				
2										2									
KY1H (+KB1W,WM1K)	180,334	1171	77	24	B					KY1H (+KB1W,WM1K)	180,334	1171	77	24	B				
Eastern New York										Eastern New York									
N2JJ	30,418	227	67	17	Q					N2JJ	30,418	227	67	17	Q				
WA2ST	113,250	755	75	22	A					WA2ST	113,250	755	75	22	A				
K2UE	94,128	636	74	23	A					K2UE	94,128	636	74	23	A				
2										2									
KY1H (+KB1W,WM1K)	180,334	1171	77	24	B					KY1H (+KB1W,WM1K)	180,334	1171	77	24	B				
Eastern New York										Eastern New York									
N2JJ	30,418	227	67	17	Q					N2JJ	30,418	227	67	17	Q				
WA2ST	113,250	755	75	22	A					WA2ST	113,250	755	75	22	A				
K2UE	94,128	636	74	23	A					K2UE	94,128	636	74	23	A				
2										2									
KY1H (+KB1W,WM1K)	180,334	1171	77	24	B					KY1H (+KB1W,WM1K)	180,334	1171	77	24	B				
Eastern New York										Eastern New York									
N2JJ	30,418	227	67	17	Q					N2JJ	30,418	227	67	17	Q				
WA2ST	113,250	755	75	22	A					WA2ST	113,250	755	75	22	A				
K2UE	94,128	636	74	23	A					K2UE	94,128	636	74	23	A				
2										2									
KY1H (+KB1W,WM1K)</																			

KB2SIX (+op) 188 12 7 2 A

Northern New Jersey

KB2JE 20,374 167 61 10 Q
N2MNN 13,624 131 52 17 Q
WA2ASQ 11,592 126 46 10 Q
AA2UA 11,270 115 49 3 Q

WA2SRQ 157,776 1038 76 24 A
K5KG 118,953 793 75 24 A
W2HKA 57,378 393 73 15 A
KB2QWO 39,864 302 66 15 A
K2TWK 34,840 280 67 15 A
W2LRO 34,176 267 64 13 A
KB2POP 33,600 300 56 11 A
WA2JHN 24,780 210 59 17 A
W2FZ 23,182 173 67 13 A
N2TFM 18,600 155 60 9 A
N2FHC 13,120 160 41 14 A
KA2ANF 7,268 79 46 24 A
W2VQ 5,712 84 34 5 A
KB2SGM 2,842 49 29 16 A
N2NYR 918 27 17 4 A
W2QR 880 22 20 4 A
WA2YBI 588 21 14 10 A

N2NT (KZ2S,op)

210,520 1385 76 24 B
W2RQ 147,898 1013 73 17 B
K2TW 32,472 246 66 3 B
W2GD 25,600 200 64 2 B
W1GD 25,564 166 77 8 B
WA2UDT 21,576 166 58 7 B

N2KMU (+net) 53,712 373 72 12 A
N2MZH (+net) 50,250 335 75 15 A
N2BIM (+net) 37,872 263 72 14 A
N2SK (+net) 32,234 227 71 8 A
WA2WYR (+net) 28,032 192 73 24 B
K2WK (+net) 2,640 55 24 24 B

NYC-Long Island

K2SHL 101,536 668 76 24 A
N2LSK 56,414 421 67 15 A
W2KTF 25,830 205 63 8 A
WA2MAV 20,160 180 56 10 A
AL7HWJ 19,950 75 57 12 A
WA2PJ 15,700 157 50 12 A
K2HVN 14,994 119 63 4 A
KB2QLK 8,768 137 32 13 A
N2YIB 1,364 31 22 15 A

K2AU 117,238 803 73 22 B

K2QMF (+net) 86,240 560 77 16 A

W2ON (+net) 10,246 109 47 8 A

Southern New Jersey

KA2GSL 33,864 249 68 16 Q

N2MM

W2ESX 72,144 501 72 22 A
W5KI 69,560 470 74 19 A
K2ZA 31,496 254 62 20 A
N2RF 26,230 215 61 24 A
K2SB 15,694 133 59 5 A
K2Z1 11,342 107 53 5 A
AE2N 9,324 111 44 24 A
N2NQG 8,888 101 44 24 A
KA2BEO 8,568 103 43 14 A
KB2RAR 5,600 100 28 15 A
N2VPN 1,380 30 23 4 A
W2ORA 242 11 11 4 A
WA2CVJ 96 8 2 A
KB2THF 4 3 2 A
KF2YX 18 3 3 A

WB2DIN 37,772 266 71 24 B

AA2HR (+N2PNB)

KS2B (+net) 15,694 133 59 24 A

Western New York

K2ZJ 123,880 815 76 24 Q
W0VU 35,604 258 69 11 Q
N2TPA 15,788 146 54 20 Q
W2ZT 9,728 128 38 11 Q
K2ZDI 1,232 28 10 Q
N2JNZT 224 14 8 10 Q

WA2LCC 101,376 704 72 23 A
W2FL 63,656 436 73 11 A
AE2T 62,012 419 74 13 A
WA2ABN 54,362 353 77 24 A
WA2EYA 51,612 374 69 17 A
W2NR 44,032 344 20 4 A
KM2L 41,400 300 69 10 A
W2IMO 40,066 299 67 13 A
WA2RZJ 38,500 275 70 24 A
W2FV 37,940 271 70 14 A
NM2J 33,258 241 69 18 A
NA2Q 31,070 239 65 9 A
WB2WPM 30,888 224 66 24 A
N2WK 25,370 215 59 7 A
AA2CS 25,080 209 60 16 A
WB2JFP 24,924 201 62 24 A
K2DXL 23,424 244 48 11 A
WA2BOI 13,720 140 49 14 A
N2DM 12,600 180 35 24 A
N4TW 7,070 101 35 2 A
W2WZ 2,000 25 24 A
KB4VL 1,596 42 19 9 A
WA2RBO 200 10 1 1 A
AA2XP 6 3 1 24 A

W6XR 166,896 1098 76 24 B
KW2J 115,440 780 74 22 B
K2FJ 95,850 639 75 21 B
W2JO 89,790 615 73 15 B
N2MF 62,928 456 69 10 B
KBFC 41,976 318 66 10 B
AJ3K 40,704 318 64 8 B
W2EZ 40,528 298 68 17 B
WB2YQH 32,856 222 74 8 B
KB2NU 15,900 150 53 24 A
WB2RAJ 11,820 83 70 10 B
AA2VJ 3,840 64 30 9 B

KB2UGM (AF2K, K2DB, KF2ZW, N2PEB, NG2P, WA2ROW, ops)

115,216 758 76 24 B

W2OW (AA2s EQ, MU, KAZ2KR, KB2YKR, N2s HR, MSB, XYW, WE2K,

WF2A, WS2U, ops)

86,140 590 73 24 B
W2SEX (AA2s OT, VN, YW, KZ2R, ops)
54,536 401 68 1 A
WN8Z (+AA2s HV, OF, N2s MRE, VZC, WTC, WA2ISZ)
25,600 200 64 17 A
KV2W (+N2s HCO, UEB, WA2RZG)
9,912 118 42 17 A

3**Delaware**

NY3C 24,012 267 58 11 Q
N8NA 97,828 601 74 24 A
WW3V 89,320 580 77 20 A

KS3F 101,178 657 77 20 B

Eastern Pennsylvania

WA3NNA 33,264 252 66 16 Q
WA3YON 27,084 222 61 14 Q
KW3U 11,016 108 51 11 Q
WES3 7,920 120 33 4 Q
N3MHW 418 19 11 24 Q

Florida

K3CM 102,564 666 77 24 A
NK5I 90,280 610 74 20 A
K3MQH 87,408 607 72 16 A
WY3A 82,350 549 75 18 A
WA3KWU 61,962 449 69 17 A
K3KW 57,600 400 72 17 A
N2EY 54,812 386 71 13 A
WB3AAL 37,000 250 74 24 B
W3AF 36,600 300 61 6 A
N3FOG 34,506 243 71 13 A
W8FJ 34,020 270 63 24 A
W3EYF 29,748 222 67 16 A
N3TRO 25,308 222 57 24 A
AA3FY 24,768 203 61 13 A
N3JZ 23,400 195 60 10 A
KE3AM 22,880 155 55 10 A
WB3LNL 16,642 157 53 15 A
AA3JV 16,610 151 55 13 A
AG3G 13,104 117 56 12 A
N3GUK 12,720 120 53 18 A
W3SSS 11,536 103 56 14 A
N3PTN 10,120 110 46 10 A
AA3JZ 10,000 100 50 21 A
W3SD 9,720 108 45 4 A
WB3FAA 6,072 66 46 5 A
N3CBZ 3,422 59 29 13 A
W8IJ 50 5 1 1 A
WA3ENQ 8 2 2 10 A

AA3B 155,700 1038 75 24 B
K3TEJ 150,820 980 75 24 B
W3FT 141,488 958 74 23 B
AA3JD 51,534 409 63 21 B
W3MB 12,740 130 48 24 A
W3TH 7,412 109 34 4 B

K3WW (+net) 120,120 780 77 22 B

W3OV (+net) 120,006 800 75 20 A

NB3I (+N3BNA) 115,808 752 77 24 B

W3MUM (KA3OGL, N3s BUE, NED, WN3N, ops)

30,492 231 86 13 Q

N3KFN (+net) 27,568 179 77 24 A

K3UK (+net) 26,624 256 52 8 B

KM3D (+KE3FC)

24,980 208 60 18 A

N3IMF (+net) 22,072 178 62 12 A

K3ATO (+net) 12,932 122 53 12 A

Maryland-DC

K3TM 94,424 638 74 24 Q
AK2P 81,900 546 75 22 Q
WQ3B 50,094 363 69 23 Q
ND3F 45,156 318 71 11 Q
WA8MCQ 936 26 18 4 Q

K1HTV 124,800 832 75 24 A

AA3HM 100,350 669 75 23 A

K3DI (WD4EH,op)

80,798 569 71 16 A

NG3K 65,554 449 73 17 A

W3AZ 58,464 406 72 16 A

W3ERU 56,304 414 68 21 A

W3CPB 40,120 295 65 15 A

W3UT 31,824 234 68 13 A

W3TMZ 28,380 215 66 8 A

K3EI 25,600 200 64 13 A

W3/G3ZCZ 25,308 171 74 6 A

W3EE 25,216 197 64 11 A

WA3RSR 24,420 185 65 15 A

K3VX 18,468 171 54 9 A

W3BVG 13,888 118 58 9 A

W3ABC 12,376 119 52 7 A

AA8RT 11,040 115 48 14 A

N3HUV 11,008 128 43 19 A

KD3O 9,044 119 38 24 A

N3MPV 8,190 105 39 14 A

N3FZB (K3DI,op)

7,566 97 39 5 A

KB3JK 4,800 75 32 24 A

WA2GIE 4,248 59 36 14 A

KF3P 187,572 1218 77 24 B

KE3Q 106,350 709 75 23 B

KQ7V 92,400 600 77 16 B

WA3WJD 90,520 620 73 23 B

K3TL 81,082 571 71 16 B

N3AM 62,488 428 73 7 B

N3MI 58,500 390 75 24 B

K3SA 56,800 400 71 7 B

NA4QQ 33,792 256 66 13 B

W3GN 21,594 183 59 5 B

W3DAD 21,122 179 59 7 B

W3JB 18,928 169 56 6 B

W3RG 16,240 145 56 2 B

W3GG 15,392 148 52 24 B

W3HVQ (+net) 59,184 411 72 14 B

WD3P (+net) 47,432 308 77 16 A

Western Pennsylvania

ADBJ 89,836 607 74 24 Q

K3WWP 65,888 464 71 24 Q

AG3H 62,436 473 66 18 Q

AA3GM 3,740 55 34 5 Q

KB3BFQ/N 1,406 37 19 5 Q

N3IXR 115,654 750 77 24 A
WA3HAE 113,960 771 74 24 A
N3BGV 90,958 623 73 24 A
KB3AFT 68,680 505 68 24 A
W3TWT 33,528 254 66 24 A
WW3S 24,616 181 68 24 A
N3DOU 24,428 207 59 18 A
W3QOS 12,250 125 49 10 A
N3I 10,914 107 51 16 A
NB4J 10,250 125 41 6 A
N3PWB 8,712 99 44 9 A
KE3KD 6,786 87 39 8 A
KB3AZK 4,368 78 28 13 A
KE3OM 540 18 15 3 A
K3RYA 160 10 8 1 A

K3UA 57,084 426 67 5 B
W3YQ 54,128 398 68 6 B
K3MD 43,680 312 70 8 B
W3HDD 36,314 271 67 6 B
WR3D 18,582 163 57 5 B
WR3G 8,400 102 42 2 B
K3LR 8,372 91 46 1 B

W3GH (+W9XR)

211,596 1374 77 24 B

4**Alabama**

KN4QS 17,784 156 57 12 Q
WD4MPS 11,808 123 48 7 Q
N4YOS 123,300 822 75 24 A
K4JYO 66,172 466 71 17 A
W4GF 44,460 342 65 11 A
K2RUE 34,440 287 60 16 A
N4QBS 18,000 151 63 6 A
KE4AGT 9,288 108 43 12 A
KT4DN 72 6 6 6 A
W4NTI 76,456 503 76 24 B
KB4FAI 61,950 413 75 21 B
KC4ZV 45,694 347 67 6 B
W3IMB 15,638 131 66 10 B

Georgia

KB4GID 79,650 531 75 24 Q
KE2WB 18,980 146 65 13 Q
WA4QO 600 20 15 24 Q

KM9P (K7GM,op)

164,768 1084 76 24 A
K4BAI 133,650 891 75 24 A
N8LM/4 88,160 580 76 21 A
K4OQG 73,350 489 75 23 A
AA4GA 58,520 418 70 24 A
KW4E 48,800 370 67 12 A
WB4CTE 38,920 278 70 18 A
W4FMS 31,818 241 66 24 A
N4XON 17,562 148 59 10 A
K8HT 16,002 127 63 13 A
K4TEK 14,690 113 65 20 A
AC4PQ 9,800 100 49 24 A
WB4AQL 9,500 125 38 11 A
W4SAS 504 16 2 2 A

KY2P 148,482 1017 73 24 B

Kentucky

N4TY 146,550 977 75 24 A
N4QS 74,022 807 73 14 A
KD4LHA 49,664 388 77 24 B
K4FU 47,360 320 74 13 A
WB4FOT 45,384 366 62 24 A
KF8VS 25,048 202 62 11 A
AL7L4 18,880 160 59 11 A
KM4FO 17,384 164 53 11 A
KT4DQ 10,816 104 52 7 A
WA4KDO 10,812 106 51 7 A
K4GEL 9,920 102 52 12 A
K4KDC 8,200 100 41 5 A
KD4BI 792 22 18 24 A

WM4T (KU8E,op)

N4XM 168,112 1106 76 24 B

AB4RX 87,454 599 73 12 B

KC4WQ (+KA4TEU, KE4AJA, KQ4K)

71,484 483 74 24 A

North Carolina

AD4ZE 26,586 211 63 17 Q

WF4I 23,450 175 67 14 Q

WJ9B 124,500 830 75 24 A

N4MO 82,500 552 75 21 A

K4CZO 80,550 537 75 18 A

K4IHN 80,208 557 72 23 A

K4IHH 66,096 459 72 24 A

N4BNO 34,440 287 60 16 A

N4QAV 22,176 176 63 9 A

KQ4AF 13,000 130 50 22 A

AD4RK 11,644 104 56 15 A

K4CAX 960 30 16 1 A

AA4NC 185,592 1221 76 24 B

K4FCL 178,448 1174 76 24 B

N4DZC 178,028 1066 77 24 B

W4IHN 99,000 660 75 15 B

K4RZ 31,360 245 64 10 B

WB8BMV (+WB8II)

115,520 760 76 24 B

W4ATC (N3QYE, NA4Q, KQ4PY, ops)

77,700 525 74 24 A

W4ZYT (+KC4s VZK, WQO, KE4HTT, N4AIG, W6RLJ, ops)

77,154 501 77 21 B

Northern Florida

WB8PAF 11,160 124 45 9 Q

K8LUZ 161,120 1060 76 23 A

NU4Y 88,600 630 74 15 A

W5HUQ 63,640 400 74 19 A

KQ4YR 56,658 399 71 24 A

W3GU 55,062 437 63 24 A

AC4CQ 48,300 350 69 18 A

K1SMF 47,032 331 71 20 A

N8AGS 29,172 221 66 7 A

AB4KL 16,500 150 55 20 A

K5WTA 13,338 117 57 24 A

AB6I/4 11,554 109 53 3 A

KQ4UIE 10,914 107 51 11 A

KQ4FAZ 1,472 32 23 4 A

AE4FY 1,386 33 21 24 A

WC4E 196,384 1292 76 24 B

KK5CA	3,410	55	31	10	A	N6RA	44,100	315	70	10	A	W7QDM	26,460	210	63	5	Q	K8GW	27,600	230	60	9	A	K8CX (+net)	85,316	554	77	13	B
KS5BR	1,554	37	21	3	A	K8KWS	29,380	226	65	9	A	W7ZRC	164,160	1080	75	24	A	N8GAQ	24,752	221	56	14	A	N8BD (+net)	81,150	541	75	14	B
K5GN (at K2UA)	219,912	1428	77	24	B	W6B6D	28,426	233	61	9	A	K7NHA	98,420	665	74	22	A	N8KSO	19,224	178	54	10	A	W8OSE (+net)	33,680	220	77	24	B
AA5BL	211,584	1392	76	24	B	W6ACTA	130,568	859	76	20	B	N7NQO	1,610	35	23	24	A	W8T8	18,900	150	63	8	A	West Virginia	112,500	750	75	24	Q
N96U	179,850	1199	75	24	B	AA6YX	128,128	832	77	24	B	W7UQ (KB7LFO,K17RO,ops)	57,754	431	67	22	A	K8L8Q	18,480	154	60	11	A	K8BG	16,588	143	58	14	A
W5ASR	168,872	1111	76	24	B	W6B1P	78,110	535	73	17	B	Montana						K8BFGM	16,468	179	46	16	A	K5ID	15,940	144	57	17	A
W5NR	11,800	118	50	4	B	W6VV (+AC6GU,KD6s VWD,YDY, K0s GD,YP,N6LAE,WB6YGX, DL9NEI)	16,200	150	54	24	B	AA7BG	137,240	940	73	24	A	AA6PI	15,300	163	50	22	A						
W5KD	10,094	103	49	3	B	San Joaquin Valley						AA7YA	15,402	151	51	24	A	N8BN	14,300	150	50	22	A						
W5EHM (KA5WSS,op)	3,432	52	33	8	B	W6ITM	1,260	30	21	2	Q	W7OVJ	112	8	7	3	A	W8BUUQ	14,976	144	52	6	A						
K5EC (+net)	31,824	234	68	6	B	W1PH/6	73,408	496	74	15	A	K5T7	98,258	673	73	21	B	W8BFD	14,112	126	56	14	A						
West Texas						KJ5DL	13,144	124	53	10	A	K7ABV	35,200	275	64	7	B	N8VEN	13,750	125	55	15	A						
AB5WB	22,204	182	61	14	Q	N6YMM	10,340	110	47	11	A	N8TDE	13,724	146	47	21	A	K8NWD	12,376	119	52	24	A						
N5NA	53,620	383	70	10	A	N6TNW	680	20	17	6	A	K8ZY/T	12,240	136	45	24	A	K8BYRB	11,858	121	49	17	A						
N5RZ (K5GA,op)	228,690	1485	77	24	B	N6UR (KR6X,op)	215,600	1400	77	24	B	W8VFM	11,300	122	14	9	A	N8MKS	11,280	120	47	11	A						
6						WC6H	190,912	1256	76	24	B	N8MK	9,660	105	46	6	A	KEBQT	9,292	101	46	8	A						
East Bay						N6MU (at N6NB)	161,546	1049	77	24	B	AA8TC	8,832	96	46	12	A	W8BNCW	8,840	90	38	24	A						
N6DA	45,360	324	70	14	A	K6LRN	62,012	419	74	15	B	N8KMK	6,020	70	43	14	A	N8KMX	5,000	50	40	18	A						
W66ETV	23,010	195	59	17	A	W6TKV (+net)	100,716	654	77	24	B	W8BFX	4,320	72	30	18	A	K8BWX	2,976	48	31	12	A						
W66DSV	10,980	122	45	4	A	Santa Barbara						K8L0I	2,346	51	23	19	A	AA8KR	1,968	41	24	7	A						
N6RO	196,536	1293	76	24	B	K06KA	21,716	178	61	19	Q	K7DBV	89,072	586	76	22	A	N8UUS	1,628	37	22	24	A						
W6RGG	130,130	845	77	20	B	N6AZR	16,758	147	57	10	Q	AA7CP	80,808	546	74	22	A	K8B8LD	1,596	38	21	8	A						
W6GPM	33,600	240	70	22	B	W6BJE	12,402	117	53	9	Q	K1Y7	73,000	500	73	21	A	K8CPW	750	25	15	5	A						
KM6OH (+W6BSY)	121,814	791	77	24	B	W6FVG	76,860	549	70	17	A	N7ICK	51,680	380	68	22	A	W8BFA	616	16	13	9	A						
Los Angeles						W6TKF	76,220	515	74	14	A	K7PJT	43,680	312	70	18	A	N8ZFH	546	21	13	9	A						
K6CX	141,526	919	77	24	A	W6BKV	25,600	200	64	14	A	K8PFY	42,612	318	67	17	A	N8QMD	448	16	14	24	B						
N6CL	76,350	509	75	24	A	W6BKH	16,872	148	57	4	A	W8BKH	27,300	210	65	11	A	W8RC	113,734	779	73	12	B						
K6GV1	43,120	308	70	18	A	K6JRR	10,028	109	46	11	A	AA7XP	10,710	119	45	11	A	AC8W	79,344	522	76	16	B						
N5BF	29,832	226	65	15	A	W2J9	13,420	122	55	10	B	K7WPC	3,696	56	33	24	A	K8DD	64,380	435	74	11	B						
KN6RQ	27,336	201	68	22	A	N6VR (+N4TQO,AC6T,AD6C,N8SR)	178,332	1158	77	24	B	W7YAC	850	25	17	1	A	K8DV	47,060	367	65	12	B						
W6VPZ	26,164	211	62	11	A	W6BHZ (K6Cs CEX,IZR,QQO,ops)	11,176	28	21	7	B	W7WAC	850	25	17	1	A	AA8RB	36,096	282	64	14	B						
KN6LM	23,256	204	57	17	A	KE6TEE (K6XG,KM6X1,N6VLX, WA6QEF,ops)	360	15	12	9	A	W2VJN	192,808	1252	77	24	B	AA8U (+WX3M,AA8FE,K8MJZ, K6s DF,GE,N8CC)	172,018	1117	77	24	B						
N7KFL	22,176	176	63	13	A	Santa Clara Valley						N7MMQ	182,316	1054	77	22	B	K8JMN (+AA8UG)	1,698	998	76	24	B						
KN6Q2	11,616	121	48	9	A	W6IC	76,942	527	73	22	Q	W7FAB	162,150	1081	75	22	B	K8BFS (+net)	58,848	374	76	17	A						
K6QAG	8,910	99	45	15	A	W6PRI	57,552	436	66	24	Q	A17B	138,300	922	75	24	B	K8BWW (+W8BITB)	46,068	349	66	23	A						
WAT7BNM	8,712	66	66	7	A	N6NF	127,872	864	74	20	A	K7GDN (+N7IXG)	14,896	152	49	24	B	N8SNM (+net)	43,654	299	73	16	A						
K6ZCL	2,600	50	26	8	A	W6BPLJ	116,736	768	76	17	A	Utah						K8EEH (KF8BS,N8MVP,ops)	42,980	307	70	21	A						
AB6FO	200,580	1302	77	24	B	W6BKY	25,600	200	64	14	A	K6EIL	52,128	362	72	17	Q	AA8UH (+net)	35,140	251	70	12	B						
K6DI	143,250	955	75	24	B	W6BRR	16,872	148	57	4	A	W7Y7	14,070	105	67	10	Q	N8MMB (+KF8YC)	32,368	238	68	19	A						
N6SR	33,536	262	63	13	B	W6BRR	16,872	148	57	4	A	W7CFL	139,370	905	77	24	A	NT8V (+net)	11,400	114	50	8	B						
AC6EF	32,640	240	68	14	B	W6BRR	16,872	148	57	4	A	W7HS	40,460	289	70	19	A	N5XHT (+ops)	8,772	102	43	18	A						
N6DLU	1,188	27	22	3	B	W6BRR	16,872	148	57	4	A	NSCT	19,250	175	55	24	B	W8B8U	3,876	57	34	2	Q						
N6XTJ (+K6CKUP,KD6NDX, KE6CTI,N6RMJ)	23,808	186	64	17	A	W6BRR	16,872	148	57	4	A	K6XO/7 (+N5CT,AB7GM,W8MHS)	178,024	1156	77	24	B	Ohio											
KM6SR (+W6BYL)	2,376	44	27	23	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
Orange						W6BRR	16,872	148	57	4	A	N7RVD	9,896	101	48	12	Q	K8BL	154,308	1002	77	24	A						
K6SN	8,208	114	36	15	Q	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	N8JEC	148,302	857	76	22	A						
AA6PW	150,150	1001	75	24	A	W6BRR	16,872	148	57	4	A	N7RVD	9,896	101	48	12	Q	W8B8U	3,876	57	34	2	Q						
N6HC	144,230	939	77	23	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	N8BL	154,308	1002	77	24	A						
NW6S	106,260	690	77	18	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	N8JEC	148,302	857	76	22	A						
K6HRT	64,610	455	71	15	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
W6TKV	63,280	452	70	20	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
W6HAL	58,650	391	75	17	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
NF6H	47,124	308	76	17	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
K6FMP	32,000	250	64	12	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
W6NT	28,350	225	63	20	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
AC6PF	16,820	145	58	11	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
WA6NFO	12,192	127	48	7	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
KM6HB	10,848	113	48	6	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
K16X	8,200	101	41	5	A	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
K2PLF	128,896	848	76	24	B	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
W6HT	10,500	105	50	7	B	W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
Pacific						W6BRR	16,872	148	57	4	A	W7RMD	54,064	381	72	18	Q	W8B8U	3,876	57	34	2	Q						
A16V/K6E	153,450	1023	75	24	A	W6BRR	16,872	148	57	4																			

Phone

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Connecticut

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WB1QQR (WB2JSJ.op)
WX1O (+WE3Z,KB7IX)
Western Massachusetts
K21M
K1KBU
K5ZD
KV1W
KY1H (+KB1W,WM1K)
N1JAC (+NET)
2
Eastern New York
W2KH
K2X2
K2UF
WB2FOB
N2JBO
N2LWH
N2ULW
KF2SC
N1STB
AF1T
N1SHM
K1DGG
N1TWZ
KC1F (+NET)
WB1HBH (+NET)
WA1YTW (+NET)
KZ210 (+N1TM2)
Rhode Island
K1VSJ
WF0E
K1UHU
K1HMO
K1DS
KC1CU
N1RJF
K1MD
WA1HYN
N1BUA
K2MM
N5LYE
W1VH
W1RFQ
W1OP (K1s DS,PL,op)
Vermont
WA1GUV
N1PBT
KC1VU
AB1T
N1RIU
KD1YC
WA1ITZ
WB1QQR (WB2JSJ.op)
WX1O (+WE3Z,KB7IX)
Western Massachusetts
K21M
K1KBU
K5ZD
KV1W
KY1H (+KB1W,WM1K)
N1JAC (+NET)
2
Eastern New York
W2KH
K2X2
K2UF
WB2FOB
N2JBO
N2LWH
N2ULW
KF2SC
N1STB
AF1T
N1SHM
K1DGG
N1TWZ
KC1F (+NET)
WB1HBH (+NET)
WA1YTW (+NET)
KZ210 (+N1TM2)
Rhode Island
K1VSJ
WF0E
K1UHU
K1HMO
K1DS
KC1CU
N1RJF
K1MD
WA1HYN
N1BUA
K2MM
N5LYE
W1VH
W1RFQ
W1OP (K1

N2LSK (+KA2GWM)	12,444	122	51	8	A	KE3GA	93,170	605	77	20	A	AD8J	44,092	302	73	13	Q	N4ZC (WB5M,op)	234,080	1520	77	24	B	Virginia	17,820	162	55	11	Q
N2WPT (-NET)	8,320	104	40	20	A	KE3MX	77,832	564	69	13	A	W3SMX	18,352	148	62	13	Q	WF2G	36,220	294	65	6	B	KG4W	108,262	703	77	18	A
Southern New Jersey						NK5I	67,800	452	75	10	A	WB0IWG/T	2	1	1	12	Q	W1HN	35,112	228	77	7	B	KU3M	77,308	502	77	17	A
KA2GSL	2,704	52	26	4	Q	W3AP	42,700	305	70	12	A	KB3AFT	146,520	990	74	24	A	K4YMH	17,568	144	61	10	B	KB4CG	71,700	478	75	22	A
K2Z1	97,944	636	77	24	A	KE3EO	40,150	275	73	24	A	W3AHAE	138,138	987	77	24	A	WB8BMV (-NET) 156,618 101 77 22 B					W4ATC (N3s FJK,OYE,KO4PY,DL1DQI,ops)	53,808	354	76	22	A	
N2LCR	35,250	235	75	15	A	N3BTA	40,032	278	72	16	A	N3BTR	101,178	657	77	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
W2ORA	29,078	217	67	14	A	N3TUA	34,500	250	69	20	A	W3BVS	98,100	654	75	21	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
N2VPN	22,656	177	64	10	A	W3QO	31,088	232	67	18	A	W3W3S	58,058	377	77	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
W2FGY	21,420	170	63	15	A	KA3LFC	30,600	225	68	18	A	KE3TA	33,280	260	64	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
W5K1	20,930	161	65	9	A	N3OHH	24,840	180	69	10	A	KA3POA	25,418	179	71	17	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KF2YX	20,080	170	59	11	A	W3SSS	22,780	170	67	12	A	W3TWI	24,344	179	68	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KF2BQ	14,280	140	51	11	A	AA3AH	19,154	157	61	8	A	N3I	24,178	157	77	10	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
N2OQ	13,720	140	49	6	A	W3BLNZ	17,516	151	58	11	A	KE3KD	16,520	140	59	8	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KA2BEO	12,700	127	50	9	A	KE3OA	16,200	150	54	9	A	KA3WIK	12,740	139	49	13	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
N2YCD	8,036	96	41	16	A	W3EDU (N3KKM,op)	15,860	130	61	8	A	KA3UOL	11,832	116	51	8	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KG2DO	7,310	85	43	8	A	W3MUM	15,158	143	53	24	A	KA3UOL	11,832	116	51	8	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
W2YRW	2,912	56	26	10	A	W3AAL	15,120	120	63	7	A	W3HGW	9,870	105	47	9	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
K2MK	2,450	49	25	2	A	N3VPG	12,342	121	51	24	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
WA2CVJ	2,040	51	20	3	A	W3EYF	12,320	112	55	8	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KD2AE	1,408	32	22	3	A	KA3TUG	12,312	114	54	11	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KB2THF	8	2	2	1	A	N3LBC	10,290	155	45	7	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
AB2E	200,046	1299	77	21	B	KE3EZ	10,032	114	44	13	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
N2MM	132,132	858	77	12	B	N3TRO	8,888	101	44	11	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
W2BDIN	61,908	402	77	11	B	WA3ENQ	8,832	96	46	11	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KD2KS	23,250	155	75	12	B	AA3FY	8,692	106	41	6	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KA2KFO	19,000	150	64	11	B	KR3I	7,488	78	48	5	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KB2MMI (+WA2CUE)	53,436	366	73	24	A	AG3G	4,558	67	34	7	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
N2PNB (+AA2HQ)	17,066	161	53	16	A	KR3X	3,500	50	35	24	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KA2OSV (+ops)	15,088	164	46	17	A	W3L	88	11	4	1	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
Western New York						N3KGC	2	1	1	14	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KB2SE	13,920	120	58	4	Q	AK3V	36,652	238	77	8	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
AE2T	87,150	581	75	24	A	KB3TS	30,954	201	77	11	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
NA2Q	78,144	528	74	16	A	WB3FAA	30,030	195	77	5	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KG2BN	58,928	427	74	21	A	KB3AGZ	26,180	170	77	12	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KG2AU	38,184	258	74	21	A	KR3EJ	20,070	223	45	3	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
W2TZ	37,448	302	62	24	A	KD3FC	18,240	120	76	24	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
WB2MWW	35,742	259	69	15	A	AA3JD	16,264	107	76	13	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
NM2J	34,816	256	68	18	A	W3DMH	9,592	109	44	24	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KE2UV	25,102	163	77	15	A	WT3H	8,970	115	39	7	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
AA2VZ	20,732	146	71	16	A	WY3T (+KA3PVA,N3s KGL,THJ, WB3FYL)	118,868	772	77	22	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KF2XC	19,824	168	59	24	A	AA3JY (-NET)	114,114	741	77	20	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
W2WPM	11,424	118	48	14	A	W3LVR (-NET)	101,948	662	77	15	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
W2MTA	18,492	134	69	24	A	K3WVW (+NET)	46,200	300	77	10	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KM2L	18,408	156	59	24	A	N3OWG (+net)	37,650	251	75	24	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KE2DI	15,732	138	57	9	A	N3FOG (+N3WFP)	34,188	222	77	12	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
AA2TM	15,004	121	62	24	A	N3KFN (+NET)	26,334	171	77	16	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
WA2RBO	14,580	135	54	8	A	K3IMF (+NET)	21,280	152	70	13	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
WD2F	12,000	120	50	10	A	N3IHS (+NET)	21,098	137	77	18	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
N2LQ	11,424	118	48	14	A	K3CM3 (+NET)	15,400	100	77	18	A	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
KA2CNG	10,914	107	51	8	A	N3MKZ (+NET)	11,858	77	77	11	B	W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
N2MD	10,710	105	51	7	A	Maryland-DC						W3W3S	260	13	10	24	A	W4ATC	53,808	354	76	22	A	W4ATC	53,808	354	76	22	A
W2IMO	10,584	108	49	4	A	K3GHH	20,304	188	54	11	Q	W3W3S	260	13	10														

KB5FET	27,738	201	69	24	A
KJ5RC	21,710	167	65	18	A
AA5CI	13,101	126	72	24	A
WQSL	2,300	50	23	3	A

WA5OYU 73,220 523 70 9 B

KB5RQL (+AC5BN,KB5s IXI,VLA,
KC5s AWW,KPP,KQ5MZ,N5KKG,
W5DBWV) 94,402 613 77 17 A

New Mexico

KASBAT	95,760	630	76	20	A
KT5X	68,376	444	77	7	A
AA5MK	30,750	205	75	17	A
KJ5EY	18,840	157	60	8	A
N0EHF	17,880	149	60	8	A

KB3EI	228,382	1483	77	24	B
W5JOV	10,920	105	52	4	B

K9RS (+AA5B,K5TA) 246,862 1803 77 24 A

K7UP (+KN5H) 218,218 1417 77 15 B

North Texas

W5FIO	10,028	109	46	24	Q
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NASS (KE5CV,op)

NM5M	222,530	1445	77	24	A
WX0B	203,126	1319	77	24	A
NA5Q	178,948	1162	77	24	A
W05K	144,144	936	77	23	A
NN5T	83,160	540	77	16	A
WK5K	35,770	245	73	19	A
KD5BE	28,224	196	72	18	A
AB5C	27,411	178	77	13	A
AC5EZ	26,268	199	66	15	A
AC5CT	25,728	192	67	13	A
N5MTS	19,154	157	61	17	A
KB5GLV	16,380	126	65	11	A
KI5PA	12,544	112	56	17	A
AETC	11,778	151	39	10	A
W5DLM	10,000	100	50	7	A
K5SJA	9,494	101	47	24	A

KA5W (KS1G,op) 316,624 2056 77 24 B

K5RX	288,442	1873	77	24	B
W5GN	235,466	1529	77	23	B
AA5UO	160,930	1045	77	24	B
AL7CQ/W5	154,000	1000	77	15	B
W5PLN	109,186	709	77	24	B
W5B5	94,572	666	71	12	B
W5LKP	44,400	300	74	11	B
KI5NE	31,330	241	65	24	B

K5MR (+KJ5C)

KR0Y (-NET)	308,000	2000	77	24	B
AB5MG (+W5YST)	27,080	520	77	24	B

K5LPL (-NET)	83,384	417	76	24	A
KC5QJY (KB2RUB,KB5LDR,KC5s ALW, AMA,PHJ,RLH,KK6KN,N5UHO,ops)	39,984	294	68	11	B
KB5TYL (+K5B5F)	37,668	258	73	18	A
KJ5VL (+K5K5G)	28,676	214	67	14	A

Oklahoma

K5CII	67,734	477	71	24	A
N5RFX	54,368	366	73	12	A
N5PMP	28,664	202	66	15	A
W5TZN	21,406	139	77	18	A
KB5STS	20,022	141	71	19	A
KC5ASD	17,270	157	55	10	A
N5XRD	8,944	104	43	7	A
W6AOTU/5	5,412	66	41	4	A

W5CCP (AH9B,op)

K5YAA	303,226	1969	77	24	B
K5B5B	193,496	1273	76	24	B
KB5BOB	117,656	764	77	14	B

W5HTK (N1UOC,KB5QXJ,N5s FF,HEL,
UBV,WB5QX,K4ORNY,ops) 33,468 542 77 24 A

KB5RBL (+KB5WQR,KC5EQB,N5SAM)
80,850 539 75 24 A

W0DGTY (+W0BZZWV) 59,700 398 75 22 A

W5GSC (+NET) 41,184 286 72 19 A

KB5IRL (+KC5BVV,N5MKU,WB5CME)
29,542 213 67 15 A

KB1ZQ/5 (+N1LPL,N5VWF) 26,864 184 73 24 A

W5PAA (KB5TOT,KJ0W,ops) 17,490 165 53 24 A

South Texas

N5NMY	52,052	338	77	18	Q
KK5KX	8,928	93	48	13	Q

N5NMV	171,248	1112	77	18	A
K5SC	165,984	1092	76	24	A
KE5FI	116,732	758	77	20	A
W5A1Y	71,284	502	71	20	A
W5ASTOS	54,150	361	75	12	A
NJ1V	50,050	325	77	14	A
N5XUS	30,044	203	74	15	A
K5MLB	27,470	205	67	15	A
W5WZA	25,704	189	68	7	A
N5RBC	19,630	151	65	16	A
KK5DO	15,744	123	64	3	A
W5QZ	10,500	105	50	3	A
W5CD	10,032	88	57	4	A

AA5BL 325,094 2111 77 24 B

AB5KD (WB5VZL,op) 303,228 1982 77 24 B

N3BB (AA5RB,op) 303,534 1971 77 24 B

W5ASP 173,800 72 24 B

AB5SS 72,864 506 72 20 B

KI3L 55,216 406 68 4 B

KI5OO 13,200 105 63 10 B

W5XD 12,432 111 56 3 B

N5QVS 10,848 113 48 24 B

W5NR 5,040 63 40 4 B

WA5DWX (+WA1YIA,K5ZTY, KC5s HZD,KN,NVY,OFF,KJ5IP, KK5LD,N5s EAD,KEU,NB,WA5SAJ, WD5DXL,N6RRJ) 117,502 763 77 22 B
KN5N (KB5VVT,op) 101,024 656 77 7 A
KZ8E (+KB5TES) 87,626 569 77 21 A
W5EHM (N1s LVI,PVB,K5WSS, KC5GPG,SQ0DD,ops) 49,392 343 72 21 B
K5NTN (WA3PAY,KC5s BJL,ITZ, NMG,N8ECG,ops) 44,400 300 74 24 A
K5EC (+NET) 32,562 243 67 5 B
K5SIJ (+NET) 30,856 203 76 15 A
KK5CA (+KC5NDE) 21,980 183 60 11 A
K5TM (+ops) 17,360 140 62 7 A
KK5MH (+KC5NRA) 15,812 134 59 20 A
KK5HD (+K5QLP,KC5BPT,N5s EOP, QWF,W5ASNH) 11,074 113 49 9 A

West Texas

AB5WB	19,140	165	58	10	Q
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N5NA 13,200 120 55 4 A

N5RZ 361,284 2346 77 24 B

KD5SP (-NET) 203,434 1321 77 23 B

KJ5BX (+KB5KYJ,KC5s HNH,HNI,KQF,
OBX,QKV,QVM,KK5SX) 86,724 594 73 24 B

6

East Bay

W6RGG	77,000	500	77	16	A
NP4IW/6	35,112	266	66	8	A
K6LFL	31,758	237	67	5	A
KN6QT	25,840	190	68	21	A
N6GJL	11,660	110	53	6	A
KD6ZMJ	4,514	61	37	10	A
W6BDSV	2,958	51	29	2	A
KO6PV	1,232	28	22	4	A
KD6UO	260,568	1692	77	24	B
N6RO	169,708	1102	77	12	B
N6UJG	50,410	355	71	12	B
W6RPM	43,920	305	72	17	B
K6AOM	8,692	106	41	8	B

W6BSY (+KM6OH) 184,954 1201 77 24 B

AB6DI (+NET) 27,874 181 77 20 A

N6DA (+NET) 476 17 14 2 A

Los Angeles

K6BX	163,086	1058	77	24	A
K6H0	159,544	1038	77	24	A
K6BDV	146,300	950	77	24	A
W6RNM	106,400	730	76	17	A
N6ZNI	41,580	270	77	13	A
N6RNF	41,472	286	72	23	A
KN6RL	37,668	258	73	9	A
N6GL	30,380	230	66	16	A
K6JCS	27,046	196	80	10	A
K6ZGL	25,892	189	67	16	A
KB6ATT	25,480	198	65	24	A
W6BHL	22,932	182	63	11	A
KB6T	22,720	180	77	12	A
W6RNF	16,680	180	66	10	A
KN6QD	16,724	151	62	15	A
KN6RO	15,660	135	58	13	A
N6DBL	9,180	102	45	12	A
K6GAG	8,944	104	43	10	A
N6LL	3,360	56	30	5	A
N6TCZ	2,808	52	27	5	A
N6IC	1,400	28	25	4	A
KO6AX	1,080	30	18	7	A

AB6FO 235,928 1532 77 24 B

W6UE (N6DLU,op) 201,278 1307 77 23 B

K0DI 177,384 1167 76 24 B

N6MI 124,586 809 77 22 B

AC6EF 52,136 343 76 19 B

N6SR 28,792 236 61 2 B

N6XTT (+WB2ODH,KC6KUP,KD6NDX,
KE6s CTJ,ILX,N6s RMJ,ZII) 91,784 596 77 24 A

KM6SR (+KE6SXL,W6E) 79,050 527 75 15 A

KE6WEH (KD6QWU,KE6GHX,N6s WZR,
XAC,ops) 11,172 114 49 20 A

AB6BX (KC6ACI,KO6DM,ops) 9,810 109 45 8 A

Orange

N6HC	192,192	1248	77	24	A
K6HRT	100,716	654	77	21	A
K6RUB	31,144	229	68	12	A
W6HAL	29,784	219	68	10	A
W6RNF	17,732	143	62	8	A
K6GKH	17,690	145	61	18	A
N6HNT	10,080	112	45	12	A
KN6WL	9,630	107	45	14	A
W6GFR	8,820	105	42	9	A
W6HT	8,364	102	41	5	A

W6TKV 114,552 774 74 18 B

NW6S 110,110 715 77 15 B

W6EEN (+K6XC,K6ASAR,W6ORD) 258,412 1678 77 23 B

KF6QG (+KE6CF,KM6HB,N6RPL,
WA6OWM) 192,500 1250 77 24 B

Pacific

WH6PK	2,700	45	30	13	Q
WZ6M	874	23	19	15	Q

KH6RS (K6GSS,op) 247,016 1604 77 24 B

Sacramento Valley

WP6YX	142,912	928	77	24	A
W6QEU	98,192	646	76	24	A
N6JM	50,516	346	73	15	A

KO6CX	16,956	157	54	13	A
KJ6DL	170,170	1105	77	22	B
AC6DQ	103,180	670	77	19	B
W6SUN	101,948	662	77	13	B
W6CMM	89,628	582	77	24	B
N6KD	69,300	450	77	23	B
KD6WP	30,076	206	73	8	B
K6BPP	25,844	182	71	2	B
KO6IS	17,176	113	76	12	B

AB6LI (+AA6WJ,NV6O) 209,286 1359 77 24 B

KV6H (+N6IYS) 207,438 1347 77 24 B

KF6A (+AA6WJ,KJ6TC,KM6AS) 201,894 1311 77 24 B

K6SG (+K3EST) 195,426 1269 77 24 B

N6ZS (+AA6WJ,KM6AS,KN6OX,N6SNO) 182,182 1183 77 24 B

K6SMH (+KE6s GNJ,WHD) 75,600 504 75 24 B

N6TSR (+KQ6BL) 32,568 236 69 22 A

San Diego

W6CN	36,328	239	76	24	Q
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N6SMW 23,506 161 73 24 A

W6UJY 16,856 157 54 4 A

KN6IP 16,688 149 56 24 A

N6YZJ 14,280 140 51 24 A

KB7VE 11,448 108 53 24 A

AA6EE 10,780 110

Q54