

Results, 1994 ARRL November Sweepstakes

I had just wanted to earn a pin, but I was having so much fun, I couldn't stop after only 100 QSOs.—Tom, AA6MZ

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Billy Lunt, KR1R
Contest Manager, ARRL

Alan blinked awake. The sun was just beginning to lighten the cloud-covered sky. He had hoped to sleep in, but the familiar butterflies were dancing in his stomach. Today was an event he had been waiting for, the ARRL November Sweepstakes!

He stretched and looked out the window.



Courtney, K4JYO, reports, "This was my first time using on-line logging—viva la difference!"

The sunrise was magnificent when it came up behind his tower, tribander and wires. The scene would make a great QSL card.

He decided to get up and go into the shack. The operating table was clean and ready. The computer keyboard was directly in front of the radio, the monitor just above. Antenna switches and rotators were within easy reach. The amplifier and wattmeter were in clear view so he could retune for band changes in the minimum amount of time. It was a simple station compared to some, but it was designed for efficiency.

The radio club locals met at the coffee shop downtown at about 8 AM. Alan knew he had chores to do, but he decided to join them during his visit to town. A couple of new hams were discussing how to find the last states they needed. Alan suggested they check out the Sweepstakes contest later in the day. They were incredulous when he said he usually worked all of the states and Canadian provinces on this weekend every year!

Alan gave them a quick tutorial on contesting. He explained the long exchange and how it was derived from the early days, when relaying messages was a more integral part of Amateur Radio.

"You mean people used to send e-mail using ham radio?" one of them asked.

"Something like that," Alan replied.

Alan talked about the thrill of radio competition: What it was like to have stations calling after each QSO. The mystery of tuning the band looking for a needed multiplier. The training in propagation that the high levels of contest activity provided. Best of all, you could join in any time and pick up those new states! As he drove home, Alan was excited that he had introduced some new hams to one of his favorite aspects of ham radio. He hoped they'd take the plunge.

With 30 minutes to go before the contest, Alan kissed his wife and asked his kids to be good. He was entering another world and didn't really know when he would appear again. Just before he closed the door, his wife reminded him that there was a meeting at the church the next morning. Alan made a mental note to schedule his "off time" to fit that in. That was another reason he enjoyed the SS so much; it had six hours of time to sleep or escape from the contest without hurting the score. The top scorers carefully scheduled their off time as a stra-

tegic weapon, but for Alan, it was simply a way to integrate a full contest effort with the needs of his personal life.

At 2100Z the bands exploded with activity. The "big guns" were calling CQ, trying to find the band that gave them the best rate. Other competitors tuned and called, finding that more profitable than trying to wedge a spot in the QRM. Everyone was having fun and testing valuable operating skills that might pay off some day in an emergency. It was also a great test of a station to see if antenna changes made over the summer

Top 10

CW

Single Operator, QRP

KP4/KA9FOX	132,240
W2GD	120,274
AA2U	107,018
WA4PGM	102,752
KBMFO	100,168
N9CQ	90,592
KB4GID	90,450
N7IR	90,288
N0AX	87,468
K0FRP	86,240

Single Operator, Low Power

KP4WI (N0BSH, op)

K7GM	183,900
K09Y	159,448
K1LL	157,234
WD0T	156,926
WQ5W	156,560
NP2M (WX9E, op)	153,384
W7ZRC	152,760
K0EJ	151,350
K8BL	150,766

Single Operator, High Power

WM5G (KR0Y, op)

N4RJ (KM9P, op)	240,702
N5RZ	232,232
W5WMU (K5GA, op)	230,736
K4VX/0 (WX3N, op)	229,768
K5GN	219,296
NC0P (AG9A, op)	218,680
K5XI (NM5M, op)	215,600
N2IC/0	214,368
K5MR	212,520

K5MR

AA5B	209,748
W3GH	220,220
AA4S	188,480
KY1H	173,558
W2HPF	173,250
K0RWL	172,368
K0WA	172,326
N6VR	168,416
K5NA	166,936
K1RU	166,782

Multioperator

K9RS	165,242
W6EEN	341,264
AB4RU	324,478
WXB8	322,938
KW8N	320,782
NJ1V	316,008
K5MR	303,688
W3GH	294,448
KM0L	281,358
N5WA	269,554
	265,188



Eleven-year-old Nicole, N2YJQ, enjoys her first Sweepstakes.



Always keep a large supply of drinks at hand to quench that Sweepstakes thirst! Becky logs, while husband Jeff, N6XSS, talks his way through the pileups at K6HRT.

lived up to expectations.

Alan operated late into the night. He took two hours off for some sleep and was back on at sunrise. He wished he had gotten more sleep on Friday night! He hated to break away for church, but he kept reminding himself of the amateur creed that "An amateur is balanced." He envied the serious entrants who could clear their schedule for the whole weekend and vowed that next year he'd plan ahead a little better.

When he returned just after lunch on Sunday, the real contest began. For the full-time entrants, the easy QSOs have been made. The challenge is to take breaks and yet be on the air when it counts. The activity levels rise and fall according to the excitement of the

NFL football games on television. Alan is a little behind his goal, but hopes that by operating all afternoon he can catch up.

Because every QSO includes a serial number, it's obvious who the top competitors are. Alan takes a few minutes to listen to some of the familiar call signs and their big numbers. He tries to learn new techniques from how they handle the pileups and beg for new QSOs. He notices that they rarely have to ask for time-consuming repeats of information.

As 0300Z approaches, the competition is intense. No other contest has so many competitors so close to the top. The division and section races are hotly contested. One small mistake—miss 5 or 10 QSOs—and a plaque

or certificate is lost. This is the thrill that keeps Alan coming back year after year. When the contest ends, his adrenaline is flowing and the fatigue from hours in the operating chair is momentarily forgotten.

A few keystrokes on the computer, the soft buzz of the modem, and Alan uploads his completed log to ARRL HQ via the Internet. An acknowledgment will be waiting for him when he checks his e-mail tomorrow. He can't wait to see the final results when they appear in *QST*!

CW—Bad Conditions, Great Competition

For the second year in a row, the CW Sweepstakes was the victim of unkind solar activity. If you lived in the South, you may not have noticed. But in the North, you knew it too well! Just three hours into the contest, the bands nearly died. For almost three hours, much of the contest activity was forced down to 80 meters. After 0300Z, conditions began to recover, but not enough to rescue the high bands for Sunday. Stations west of the Rocky Mountains were cut off from the high-population centers in the East. Meanwhile, stations in the middle and southern US were taking advantage of 20 and 15 meters.

Jeff, KR0Y, operated WM5G in North Texas to his second consecutive victory in the high-power category. He even upped the all-time record score by 7k; what do you mean conditions were bad? Chasing Jeff was Bill, KM9P, operating from N4RJ in Georgia. Bill almost gave up during the condition crash, but he found a recovering 40 meters just in time. Bill now has a second place to go with his first ('92) and third ('93) finishes. Right behind was Ralph, N5RZ, in West Texas. Ralph moved up from five years of low-power efforts to run with the big dogs. He missed second place by being the only member of the Top 10 who didn't get a clean sweep (no VE8/VY1). Close behind in fourth place was Bill, K5GA, operating from W5WMU in Louisiana.

Often overshadowed by the big high-power scores, the "A power" (less than 150 W) category is the most popular and offers the closest competition. Mike, N0BSH, was in the right place to beat the conditions as he operated KP4WI in Puerto Rico to a convincing victory. Rick, K7GM, operated from his home in North Carolina to narrowly lead the rest of the pack. Rick missed Alaska for the clean sweep, but his 28-contact lead made the difference over third-place Greg, KO9Y, in Indiana. The battle for fourth was an exciting intra-section race between K1LL/0 and WD0T, both in South Dakota; just two contacts made the difference! The margin between the No. 2 and No. 10 scores was less than 1½ QSOs per hour!

The difficult conditions affected the low-power category. Only KP4WI and K7GM's scores would have made the Top 10 in last year's contest. In a category normally dominated by stations from out West, W7ZRC in Oregon was the only one to make it.

Will John, W2GD, ever win the QRPCW

Collegiate Championship

While Penn State chased Nebraska for the national football title, radio clubs from 23 colleges and universities used the ARRL November Sweepstakes to have their own Collegiate Championship. The idea for the competition began on the ham-univ mail reflector on the Internet just weeks before the CW SS. It was agreed to have three competitions based on CW, Phone and combined scores. The "national champion" was Georgia Tech, W4AQL, which swept all three categories.

Organizers Robert Barron, KA5WSS, and Jeff Tucker, N9HZQ, were pleased with the results, given the short notice. Plans are under way for next year's SS Collegiate Championship. For information, contact Robert Barron, KA5WSS, PO Box 180703, Austin, TX 78718; barron@rmc.liant.com

Top CW Scores

W4AQL	Georgia Tech	1218	75	182,700
KP4VA	Univ of Puerto Rico	857	74	126,836
WO9S	Univ of Chicago	634	75	95,100
W5EHM	Univ of Texas	393	74	58,164

Top Phone Scores

W4AQL	Georgia Tech	1622	77	257,488
W1YK	Worcester Poly	1020	77	157,080
W5YM	Univ of Arkansas	946	77	145,684
W6YX	Stanford	833	75	124,950

Top Combined Scores

W4AQL	Georgia Tech	1000	1000	2000
KP4VA	Univ of Puerto Rico	694	251	945
WO9S	Univ of Chicago	521	322	843
W5EHM	Univ of Texas	318	394	712

Other schools participating included Caltech (W6UE), Auburn (K4RY), Cal Poly (W6BHZ), Univ of Maryland (W3EAX), Univ of Illinois (W9YH), Cornell (W2CXM), Univ of Wisc-Madison (W9YT), New Mexico State (W5GB), Univ of South Florida (KR4YL), Brown (K1AD), Pasadena City College (W6BAB), Yale (W1YU), and Harvard (W1AF).

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 (Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)	
W2GD	120,274 Q	KP4/KA9FOX	132,240 Q	KBMFO	100,168 Q	K0FRP	86,240 Q	N7IR	90,288 Q
AA2U	107,018 Q	WA4PGM	102,752 Q	N9CIQ	90,592 Q	K0KX (AA0OD,op)	81,648 Q	N0AX	87,468 Q
WA1LNP	85,396 Q	KB4GID	90,450 Q	K8AQM	77,400 Q	AF5Z	72,668 Q	K2PO/7	83,804 Q
AK2P	70,518 Q	KI4UZ	73,130 Q	WA8RJF	75,460 Q	AA0OB	68,544 Q	W7YAQ	79,500 Q
KH6CP/1	64,052 Q	N4ROA	62,020 Q	N9NE	67,014 Q	WA0RPI	67,268 Q	W6IO	63,788 Q
K1TR	149,100 A	KP4WI (N0BSH,op)	183,900 A	K09Y	157,234 A	K1LL	156,926 A	W7ZRC	152,760 A
W2T2	148,148 A	K7GM	159,448 A	K8BL	150,766 A	WD0T	156,560 A	K6OY	148,918 A
WA2SRQ	143,488 A	NP2M (WX9E,op)	153,384 A	K8CX	149,842 A	WQ5W	153,450 A	KD6WW	145,464 A
W1PH	133,644 A	K0EJ	151,350 A	N40GW	147,260 A	K0KE	149,226 A	N6NF	137,104 A
KZ1M	125,248 A	K4PQL	150,176 A	AA8AV	142,604 A	KV6O/5	149,226 A	K7FR	135,520 A
K3LR (K3UA,op)	208,824 B	N4RJ (KM9P,op)	232,232 B	WA8ZDT	195,000 B	WM5G (KR0Y,op)	240,702 B	K6LL	208,516 B
KZ2S	197,890 B	W5VWMU (K5GA,op)	229,768 B	W9RE	193,116 B	N5RZ	230,736 B	N6UR (KR6X,op)	203,434 B
KE3Q	191,520 B	K1ZX	203,832 B	W8FN	165,600 B	K4VX/0 (WX3N,op)	219,296 B	KI3V/7	201,432 B
K5ZD	187,800 B	AC4NJ (WC4E,op)	197,582 B	W0AIH (K0FVF,op)	162,184 B	K5GN	218,680 B	K6XT (KY7M,op)	200,816 B
K3ZO	185,288 B	N4BP	188,784 B	KE9I	158,466 B	NC0P (AG9A,op)	215,600 B	W6QHS (W6CF,op)	195,888 B
W3GH	188,480 M	AA4S	173,558 M	AA8U	164,934 M	AA5B	220,220 M	N6VR	166,936 M
KY1H	173,250 M	AA4NC	159,236 M	K8JM	141,218 M	K0RWL	172,326 M	AA6WJ	153,846 M
W2HPF	172,368 M	NJ4F	144,856 M	WD8AUB	139,992 M	K0WA	168,416 M	NV6O	149,996 M
K5NA	166,782 M	N4EC	99,160 M	W8EDU	138,292 M	K6XO	150,458 M	K6SG	149,996 M
K1RU	165,242 M	WB8BMV	86,140 M	VE3ART	132,580 M	KT0F	149,226 M	NB6G	149,072 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 (Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)	
AA2U	79,950 Q	W4PZV (WA4SVO,op)	116,424 Q	W9UP (KA9FOX,op)	142,604 Q	W2CRS	111,568 Q	VE6SH/7	63,140 Q
KH6CP/1	50,700 Q	KD4LAN	95,922 Q	KF9PL	67,340 Q	K0FRP	108,632 Q	N6WMF	40,470 Q
W2T1R	49,284 Q	WA4PGM	74,850 Q	K04BI	55,204 Q	WB0GAZ	101,528 Q	N7JXS	31,878 Q
W3SMX	28,140 Q	WF4U	66,300 Q	WA8RJF	46,368 Q	AA0OB	70,596 Q	W6CN	30,660 Q
WG3I	23,660 Q	N4FD	63,648 Q	N9NE	20,520 Q	VE4VV	40,788 Q	WB6JJE	29,670 Q
KZ1M	182,028 A	NP4Z (WC4E,op)	289,408 A	AA4RX	235,448 A	K0EU	262,960 A	K7FR	179,872 A
K3MQH	154,200 A	K0EJ	184,030 A	N0BSH	189,882 A	N4SS (KE5CV,op)	251,636 A	N6NF	168,872 A
WA2STM	152,152 A	N4EEB	181,258 A	N8JEC	189,266 A	K1LL	209,440 A	N6BT (NU6S,op)	168,784 A
WW3V	133,210 A	N5PST	178,332 A	AA8AV	186,032 A	VE4GV	205,352 A	W7ZRC	168,476 A
KE2VB	128,592 A	AA4NC (KI4HN,op)	167,504 A	K4XU	176,776 A	W1XE	180,576 A	N6HC	161,700 A
K3LR (K3UA,op)	293,678 B	W5WMU	284,592 B	WA8ZDT	263,802 B	W5KFT (WB5VZL,op)	336,798 B	K6LL	317,240 B
KE3Q	288,496 B	WZ4F	282,898 B	K8CC (WD8IJP,op)	249,942 B	KA5W (KS1G,op)	328,482 B	KI3V/7	314,160 B
N6BV	282,590 B	W4MYA	267,806 B	AA8U	248,248 B	AA5BL	323,092 B	WC6H	268,432 B
K3ZD	268,432 B	K4VUD	257,796 B	WE9V (at KS9K)	248,094 B	K5RX	296,298 B	N6V/KH6	263,648 B
W1WEF	254,408 B	N4ZC (WB5M,op)	239,008 B	K9BGL	222,684 B	K0KR	293,524 B	W6QHS	254,408 B
W3GH	281,358 M	AB4RU	322,938 M	KW8N	316,008 M	K9RS	341,264 M	W6EEN	324,478 M
KY2J	238,392 M	N5WA	265,188 M	WD9INF	248,864 M	WX0B	320,782 M	K7IR	210,980 M
WA2UKP	203,126 M	W4AQL	257,488 M	K9EC	239,316 M	K5MR	303,688 M	N6KI	205,590 M
N2IWE	182,400 M	NP2GM	253,022 M	NZ8O	236,390 M	NJ1V	294,448 M	NV6O	197,428 M
N2RM	181,720 M	WF7B	237,160 M	N9QX	224,994 M	KM0L	269,554 M	KE6CF	194,502 M

category? Maybe, but not this year, as he was outdone by Scott operating portable from Puerto Rico as KP4/KA9FOX. Scott missed the sweep, but took advantage of his Caribbean location at the home of NP4Z to put together a new record score. Meanwhile, John gets to record his third second-place finish in a row. Next up is well-known QRP ace Randy, AA2U. QRP is one of the fastest-growing categories in the Sweepstakes. Experience counts, as five of the Top 10 were making repeat appearances from last year's Top 10.

Threepeat! The crew at AA5B in New Mexico accomplished the rare feat of winning the multioperator category for the third year in a row. They had a commanding lead over W3GH in Western Pennsylvania. In third place was AA4S, just passing KY1H by two contacts.

Only 123 lucky stations managed to find all 77 sections for a Clean Sweep. Most of them owe their good fortune to Jay, VY1JA,

who fought the aurora from his far-northern location to make 219 QSOs. Alaska was the second-most-difficult section for most competitors to find. There were many KL7 call signs in the contest, but most of them weren't in Alaska!

ARRL HQ received 1352 CW entries, split between 1248 single operators and 104 multiops. Of the single operators, we had 140 QRP, 861 "A power" (150 W) and 247 "B power" logs. Special congratulations to the 580 stations that earned a Participation In November Sweepstakes (PINS) pin!

Phone—Wall-to-Wall Activity

As we saw in 1993, bad conditions on CW don't forecast what will occur during the Phone Contest two weeks later. Declining solar activity dampened activity on 10 meters, but this was partially compensated for by excellent conditions on 75. Some sporadic E on Saturday night helped keep 20 meters active until almost midnight.

With all the broadcast QRM on 40 meters, 20 and 75 always seemed extra crowded. Some operators even discovered you can make plenty of Sweepstakes contacts on 160.

Winner of the high-power category was George, WB5VZL, operating from W5KFT in South Texas. George started the contest with seven of his first eight hours showing a rate of more than 100 QSOs per hour! Rather than fight the QRM on the low bands, he took most of his off-time at night. The result was almost 2000 contacts on 20 and 15 meters. In a big change from just two years ago, George had only three QSOs on 10 meters!

Second place went to Paul, KS1G, operating at KA5W in suburban Dallas. This was Paul's highest finish ever. Continuing the Texas dominance of the top positions, Jon, AA5BL, finished third, just 21 contacts behind Paul. Rich, KI3V/7, in Nevada, made just 80 QSOs less than his winning effort in 1993, and fell to fourth. Neighbor

The Readers Strike Back

Letters, we get letters. Sometimes, people just have to let us know what they thought of the contest. Along these lines, here's one from the Sweepstakes Letter Bag of the Contest Branch thought you'd enjoy reading, from Ron, KA3WIK:

"Okay. You guys have done it to me. You coaxed me into working the November Sweepstakes with the lure of the SS participation pin."

"Sure, I've worked Field Day for about three years, but that's as much a social event as a contest. And I worked the Novice Roundup this past year before upgrading to General class. I had to do that prior to upgrading or lose my chance at it forever."

"However, I never thought I could or would be a competitor. Then came the Sweepstakes and that confounded pin. Suddenly, even a beginner like me could actually qualify for something. So with my wife complaining that I was spending too much time in the shack and my visiting father-in-law thinking I had surely lost my mind, I spent a little more than eight hours talking to people all over North America. It was great. I've already decided that I need to purchase logging software for my computer and prepare for the next contest so that I can fit in as many hours as are allowed. I've even recommitted myself to practicing code, not only to get to 20 wpm, but also so I can run the keyer in contests."

"My wife really doesn't like you guys, but I want to say thanks for having that little hook that pulled me in to a sample of another portion of this great hobby. I may never be a contest winner, but I suspect I'll have lots of fun trying."

Dave, K6LL, in Arizona, found 382 QSOs on 10 meters and broke the 2000-QSO milestone for fifth place.

Two operators did the "impossible" by breaking into the Top 10 from the Northeast. Phil, K3UA, operated from K3LR in Western Pennsylvania to a repeat spot in the Top 10. Phil was 200 contacts down from last year, but still good enough to take seventh overall. Rich Boyd, KE3Q, joined this elite club by finishing ninth from his home in Maryland.

Jeff, WC4E, traveled to the station of NP4Z in Puerto Rico to easily take the "A power" trophy. Jeff narrowly missed being the first low-power entrant ever to break the 2000-QSO mark. Last year's No. 2 finisher, Randy, K0EU, repeated his performance to place second again. Randy has now finished third, second and second over the past three years. Jeff missed VE8 and Randy missed KL7 for the sweep, but their commanding QSO lead was more than enough. Third place went to Mike, KE5CV, guest operating at NA5S in Dallas.

Happily back home after his CW QRP victory, Scott, KA9FOX, achieved a rare double-double by piloting W9UP in Wisconsin to the overall Phone QRP title. Scott not only wins the QRP trophy for both modes this year, but his second Phone QRP victory in a row.

The battle for second place in the QRP Top 10 involves four stations within 12 contacts of each other. Mark, WA4SVO, operated W4PZV in South Florida to the No. 2 spot, while Doug, W2CRS, in Colorado, moved up to No. 3, after finishing fourth last year. WA1UJU and K0FRP each found only 74 sections, which cost them a position or two in the standings.

New Mexico must be the place for multi-operator success. The same team that won CW as AA5B, came back and won the Phone contest under the call K9RS. Second place

was a close race between W6EEN, AB4RU and WX0B.

Clean Sweeps were easier on Phone than CW. A total of 305 stations found all 77 ARRL Sections. VY1JA (operating as XN9JA) and VE8EV worked hard to fulfill the demand for the rarest section. Of the 1570 logs received for Phone, there were 69 QRP, 905 low power, 308 high power and 288 multiops. Many multiop entries were from single operators using their local packet networks to brush up a Clean Sweep. Congratulations to the 1045 entries that earned PINS on phone!

Regional Competition

The Top Five regional score boxes are designed to let you easily compare how you're doing against others in your geographic region. In the second year of regional reporting, it's clear that this adds to the excitement of the contest. Across the board, it takes a higher score to make the regional box than it did last year. There were 19 new division records set on CW and nine on phone.

In the Northeast region, the tightest race was for low-power CW between K1TR and W2TZ. High-power entry K3LR (K3UA, op) just missed the national Top 10 (he was No. 11), but was the top Eastern score in the contest. On phone, "B power" offered the toughest test with two Top 10 scores (K3LR and KE3Q), chased by N6BV and K3ZO.

The Southeast region featured excellent scores in all categories of the CW contest. Of the 40 available Top 10 spots, the Southeast filled one fourth of them, with three in QRP, four in "A power," two in "B power" and one multiop. There were close races on Phone between low-power entrants K0EJ, N4EEB and N5PST and between high-power ops W5WMU, WZ4F and W4MYA.

The most difficult region for producing big scores is the Central Region (aka the "Black Hole" of propagation). Great CW

efforts came from low-power Top 10 members KO9Y and K8BL. High-power CW was a close race between WA8ZDT and W9RE. Phone saw competitive scores in QRP, with W9UP and WA1UJU in the Top 10, and in low-power with AA4RX and K9ZO making the national box. The KW8N crew had the highest "Northern" multiop score in the contest.

The Midwest Region covers the most square miles of any region. It's tough for those in the Dakota Division to compete with their mates in the Rocky Mountain and West Gulf Divisions, but compete they did! On CW, the top two regional QRP and "A power" scores came from the Dakota Division, with K0FRP, K0KX, K1LL and WD0T making outstanding scores. Phone is considered more difficult, but half the low-power and QRP box is filled with Dakotans.

With poor conditions on CW, the West Coast Region was struggling to push RF over the Rockies. Only QRPer N7IR and N0AX, "A power" W7ZRC and multiop N6VR could break into the Top 10 boxes. K6LL was the top high-power entry with a No. 12 national finish. It wasn't much better on Phone, as only high-power entries KI3V7 and K6LL, and multiop W6EEN made the grade. N6VI/KH6 made participants on both modes happy by supplying the somewhat-rare Pacific Section.

Club Competition

It's now official: The Northern California Contest Club is in the midst of its second "dynasty" in the Unlimited Club category, by winning for the third year in a row. The Southern California Contest Club moved up from its victory in the Medium category last year, and the Yankee Clipper Contest Club finally gets a small "victory" over the Frankford RC.

The Medium Club category always offers the most competition for a gavel. The North Texas Contest Club needed just 31 entries to take the win. The Mad River RC repeats in the No. 2 position. The Society of Midwest Contesters gets its third third-place finish in as many years.

With a strong grip on the Local Club gavel, the River City Contesters (RCC) win yet again—that makes four out of the last five. Close behind, the Hudson Valley Contesters and DXers are giving the RCC something to worry about. How does the RCC do it? Check the multiop standings in SV!

The Affiliated Club Competition makes a great club project and is an opportunity to involve the members of your local club in an exciting operating event. Think of it as winter training for Field Day!

Administrative Details

Here are a few things we'd like you to keep in mind when submitting your scores for next year's contest. Please make sure your entry clearly shows the exchange information you sent during the contest—some computerized logs contained the wrong information and caused the log checkers extra work. If you use a computer

ARRL November Sweepstakes Plaque Winners

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

Category	Winner	Donor	Category	Winner	Donor
Overall					
QRP CW	KP4/KA9FOX	Kenwood Employees ARC, WD6DJY	QRP CW	WA1LNP	
Low Power CW	KP4WI (NØBSH,op)	Kenwood Employees ARC, WD6DJY	Low Power CW	K1TR	Brian Szewczyk, NJ1F
High Power CW	WM5G (KRØY,op)	WN4KKN and WØUA	High Power CW	K5ZD	
Multioperator CW	AA5B	Kenwood Employees ARC, WD6DJY	Multioperator CW	KY1H	Jon Neary, W1UA
QRP Phone	W9UP (KA9FOX,op)	Kenwood Employees ARC, WD6DJY	QRP Phone	KH6CP/1	Michael Perry, WM1K
Low Power Phone	NP4Z (WC4E,op)	Kenwood Employees ARC, WD6DJY	Low Power Phone	KZ1M	Naked Chicken Contest Club
High Power Phone	W5KFT (WB5VZL,op)	Kenwood Employees ARC, WD6DJY	High Power Phone	N6BV	Ed Parsons, K1TR
Multioperator Phone	K9RS	Kenwood Employees ARC, WD6DJY	Multioperator Phone	K1KP	Jon Neary, W1UA
Atlantic Division					
QRP CW	AK2P	Randy Rand, AA2U	Northwestern Division		
Low Power CW	W2TZ		QRP CW	NØAX	
High Power CW	K3LR (K3UA,op)	North Coast Contesters	Low Power CW	W7ZRC	Ken Kopp, KØPP
Multioperator CW	W3GH		High Power CW	K7QQ	Dennis Motschenbacher, AA7VB (KZ5M)
QRP Phone	W3SMX		Multioperator CW	N7AGP	
Low Power Phone	K3MQH		QRP Phone	KK7A	Antenna Resources—K7LXC
High Power Phone	K3LR (K3UA,op)	North Coast Contesters	Low Power Phone	K7FR	
Multioperator Phone	W3GH	Mark Sickmeyer, KB3GJ, Memorial	High Power Phone	N9ITX	
Central Division			Multioperator Phone	K7IR	
QRP CW	N9CIQ		Pacific Division		
Low Power CW	KØ9Y	Society of Midwest Contesters	QRP CW	W6IO	Northern Nevada DX-Contest Club
High Power CW	W9RE		Low Power CW	KD6WW	Robert Wilson, N6TV
Multioperator CW	KF9PL		High Power CW	N6UR (KRØX,op)	Richard Hallman, KI3V/7
QRP Phone	WA1UJU		Multioperator CW	AA6WJ	
Low Power Phone	NØBSH	Society of Midwest Contesters	QRP Phone	N6WMF	
High Power Phone	WE9V (at KS9K)	Western Wisconsin DX Assn, NØBSH	Low Power Phone	N6NF	Jim Hollenback, WA6SDM
Multioperator Phone	K9EC		High Power Phone	KI3V/7	Richard Hallman, KI3V/7
Dakota Division			Multioperator Phone	NV6O	
QRP CW	KØKX (AAØOD,op)	Tod Olson, KØTO	Roanoke Division		
Low Power CW	K1LL	Twin City FM Club	QRP CW	WA4PGM	
High Power CW	AAØBY	Minnesota Wireless Assn, WØAA	Low Power CW	K7GM	Rick Niswander, K7GM
Multioperator CW	—	Minnesota Wireless Assn, WØAA	High Power CW	KT3Y	Rick Niswander, K7GM
QRP Phone	AAØOB	Tod Olson, KØTO	Multioperator CW	AA4S	
Low Power Phone	K1LL	Twin City FM Club	QRP Phone	WA4PGM	
High Power Phone	NØAT	Minnesota Wireless Assn, WØAA	Low Power Phone	AA4NC (KI4HN,op)	Jim Stevens, KI4HN
Multioperator Phone	KØHB	Minnesota Wireless Assn, WØAA	High Power Phone	W4MYA	
Delta Division			Multioperator Phone	WF7B	Shenandoah Valley ARC
QRP CW	KI4UZ	Pat Sonnier, W5WMU	Rocky Mountain Division		
Low Power CW	KØEJ	Tim Totten, KJ4VH	QRP CW	KØFRP	Dave Fischer, WØMHS
High Power CW	W5WMU (K5GA,op)		Low Power CW	KØKE	
Multioperator CW	K1SEE		High Power CW	N2IC/0	In Memory of M. R. Neary, N7AA
QRP Phone	K5NE		Multioperator CW	K6XO	
Low Power Phone	KØEJ	Pat Sonnier, W5WMU	QRP Phone	W2CRS	
High Power Phone	W5WMU		Low Power Phone	KØEU	
Multioperator Phone	N5WA		High Power Phone	KØKR	
Great Lakes Division			Multioperator Phone	W3GRW	In Memory of M. R. Neary, N7AA
QRP CW	K8MFO	Bill Maxson, N4AR	Southeastern Division		
Low Power CW	K8BL	Mad River RC	QRP CW	KB4GID	
High Power CW	WA8ZDT	North Coast Contesters	Low Power CW	NP2M (WX9E,op)	
Multioperator CW	AA8U	David Smith, ND4Y	High Power CW	N4RJ (KM9P,op)	
QRP Phone	KO4BI		Multioperator CW	N4EC	
Low Power Phone	AA4RX	Mad River RC	QRP Phone	W4PZV (WA4SVO,op)	
High Power Phone	WA8ZDT	North Coast Contesters	Low Power Phone	N4EEB	
Multioperator Phone	KW8N		High Power Phone	WZ4F	
Hudson Division			Multioperator Phone	AB4RU	
QRP CW	W2GD	Bill Keller, W2RQ	Southwestern Division		
Low Power CW	WA2SRQ	John Crovelli, W2GD	QRP CW	N7IR	
High Power CW	K1ZM	John Golomb, KZ2S	Low Power CW	K6OY	Larry Serra, N6AZE
Multioperator CW	K5NA	Stuart Silverstein, K3UEI, Memorial	High Power CW	K6LL	
QRP Phone	AA2U	QRP Club of New England	Multioperator CW	N6VR	Warren Hill, KF7AY
Low Power Phone	WA2STM	Troy ARA	QRP Phone	N7JXS	
High Power Phone	WB2K	John Hults, KF2BH	Low Power Phone	N6HC	
Multioperator Phone	KY2J		High Power Phone	K6LL	
Midwest Division			Multioperator Phone	W6EEN	
QRP CW	NØEID		West Gulf Division		
Low Power CW	NUØQ		QRP CW	AF5Z	
High Power CW	K4VXØ (WX3N,op)		Low Power CW	WQ5W	D. Craig Boyer, AH9B
Multioperator CW	KØRWL		High Power CW	N5RZ	WØGOW, W5RO Memorial
QRP Phone	NØEID	Suburban RC of St Louis County	Multioperator CW	WB5B	Oklahoma Comm Center
Low Power Phone	WNØG		QRP Phone	N5TUW	
High Power Phone	KØDEQ		Low Power Phone	NA5S (KE5CV,op)	D. Craig Boyer, AH9B
Multioperator Phone	KMØL		High Power Phone	KA5W (KS1G,op)	WØGOW, W5RO Memorial
			Multioperator Phone	WXØB	Oklahoma DX Assn
			Canada		
			QRP CW	VE6SH	
			Low Power CW	VE4VV	Don Haney, KA1T
			High Power CW	VE7CC	River City Contesters
			Multioperator CW	VE3ART	
			QRP Phone	VE6SH/7	
			Low Power Phone	VE4GV	
			High Power Phone	VE5DX (VE5NX,op)	D. Craig Boyer, AH9B
			Multioperator Phone	VE3RM	

Affiliated Club Competition

	Score	Entries	CW Winner	Phone Winner		Score	Entries	CW Winner	Phone Winner
Unlimited Category						210,836	7	KA3DSE/6	KN6LM
Northern California Contest Club	11,236,688	128	KI3V/7	KI3V/7	Hazel Park ARC	202,698	16	WD8S	WD8S
Southern California Contest Club	6,888,680	59	K6LL	K6LL	Western RA	196,264	3	AA6PW	AA6PW
Yankee Clipper Contest Club	5,993,516	77	K5ZD	N6BV	Providence Radio Assn	191,556	3	K1DS	W1OP
Frankford Radio Club	4,352,088	61	KZ2S	WB2K	West Park Radiops	186,880	7	W8PN	(K1PLX,op)
Medium Category					Cascade Contest Club	178,920	3	AA7KF	AA7KF
North Texas Contest Club	5,113,498	31	WM5G (KRØY,op)	W5KFT (WB5VZL,op)	Fox ARC	178,104	5	ND1H	ND1H
Mad River Radio Club	4,765,472	45	W8FN	K8CC (WD8IJP,op)	OH-KY-IN ARS	174,054	5	—	N8KQJ
Society of Midwest Contesters	4,611,824	49	K4VX/0 (WX3N,op)	WE9V (at KS9K)	Newington Amateur Radio League	167,170	4	W1OD	N1KWW
Minnesota Wireless Assn	3,273,110	36	W0AIH (KØFVF,op)	N0AT	Meriden ARC	154,474	6	KA1SZP/T	N1OKF
Potomac Valley Radio Club	3,186,016	39	KE3Q	KE3Q	Amoskeag Radio Club	153,468	4	K1ATL	K1ATL
North Coast Contesters	2,855,996	31	K3LR (K3UA,op)	K3LR (K3UA,op)	Central Michigan ARC	150,932	10	W8EGI	W8TJQ
Mile High DX Assn	1,978,250	17	N2IC/0	K0KR	Lynchburg ARC	135,782	5	WB4ZPF	WD4ELJ
Kentucky Contest Group	1,876,452	27	AB4RX	AA4RX	Southern California DX Club	135,610	5	WA5VGI	W6HT
Florida CW Contest Group	1,574,808	15	K1ZX	K4VUD	Tri-City ARC	133,184	3	KE7GH	N7RAT
Texas DX Society	1,447,350	13	W5WMU (K5GA,op)	W5ASP	Orange Park ARC	121,512	6	W5HUQ	KE4BXT
Southeastern DX Club	1,427,046	11	N4RJ (KM9P,op)	K4BAI	Ventura County ARC	117,996	3	—	K6VMN
Murphy's Marauders	1,361,240	15	W1WEF	W1WEF	Kettle Moraine Radio Amateurs	113,958	4	N9EZ	K9OSH
Western Washington DX Club	1,191,592	18	K7QQ	WA7FOE	Fox Cities ARC	110,146	5	W9FBC	K9AIT
Rochester (NY) DX Assn	1,181,632	16	W2TZ	WJ2W	Goddard ARC	109,526	4	—	WDBLAQ
Oklahoma DX Assn	1,082,152	9	NJ1V	W5CCP (AH9B,op)	Virginia Beach ARC	107,484	3	—	N4AIG
Motor City Radio Club	1,000,024	34	K8RDJ	K8SB	Northern Florida ARS	106,406	3	KK4UJ	N4UF
New Mexico Big River Contest Club	967,516	6	K7UP	AI9X	Mississippi Valley DX/Contest Club	104,666	4	K0YIP	K0YIP
Salt City DX Assn	842,426	10	K2ZJ	K2ZJ (WA2LCC,op)	Albany RA	103,542	4	WA2BAH	WB2YLR
Woodbridge Wireless	795,574	14	WB4NFS	KA4RRU	Ramapo Mountain ARC	91,442	4	—	KB2POP
Troy RA	764,126	23	WA1KMM	KF2LW	Eastern Michigan ARC	90,710	3	WA8OJR	N8WQZ
South Jersey Radio Assn	678,998	29	WA2VYA	KE2OP	Talladega Radio AssnC	90,018	4	—	KE4GNS
Kansas City DX Club	673,068	5	N0XA	N0BIW	Lebanon Valley Society of Radio Amateurs	85,664	7	N3FOG	N3ICS
Nashua Area Radio Club	671,848	8	K0EJ	K0EJ	Highland RA	79,410	5	KF8HR	WA8KJW
Western New York DX Assn	512,960	14	WB2YQH	W2RR (WB2YQH,op)	W/K ARC of Greater Milwaukee	78,324	4	AE9K	N9JAK
Western PA Hilltoppers	431,804	6	N3IXR	WA3HAE	Parkersburg Amateur Radio Klub	67,396	3	N8YY	N8YY
Schenectady RA	431,300	8	K2UF	K2UF	Poughkeepsie ARC	62,162	6	N2BZP	AA2OI
Central Texas DX and Contest Club	412,612	5	W5XD	WASTOS	Sterling Park ARC	58,594	3	K4GEL	W4LMJ
Long Island Mobile ARC	347,050	10	K2AU	K52G	Burlington ARC	54,928	3	N1PBT	N1PBT
Fon du Lac ARC	342,734	7	ND9O	ND9O	Durango ARC	53,410	3	W9KV	AA0QF
Virgin Islands ARC	332,642	4	NP2E	NP2E	Burlington County Radio Club	44,318	3	K2MK	WA3RHW
Northrop Grumman Radio Club	324,026	5	K6HRT	K6HRT	Capital City ARS	26,870	4	—	K3DOF
Rip Van Winkle ARS	311,064	14	N2JOH	N2JOH	Local Category				
Cape Fear ARS	307,652	3	—	KO4FV	River City Contesters	1,513,204	9	N6IG	AB6LJ
Dixie DXers Contest Club	303,028	3	N8LM/4	KJ4FW	Hudson Valley Contesters and DXers	1,255,286	9	NA2N	NA2N
Great Falls Area ARC	297,662	5	AA7BG	K7LUH	Central Virginia Contest Club	765,284	6	W4MYA	W4MYA
Calgary RA	257,166	3	—	VG6JO	Federation of Amateur Radio Operators	736,780	9	K9BGL	K9BGL
Murgas ARC	254,582	8	WB3FAA	WB3FAA	Carolina DX Assn	656,258	4	N4ZC	N4ZC
Redwood Empire DX Assn	250,446	4	KK6WS	WA6CTA	North Shenandoah DX Assn	446,210	8	K8OQL	N4MM
Wichita ARC	236,448	6	W0AWP	AA0FB	Eastern Connecticut RA	398,340	8	KZ1M	KZ1M
Hamfesters Radio Club	234,026	9	W9LNQ	N9RIT	10-70 Repeater Assn	344,228	8	KB2JE	KB2JE
Western Illinois ARC	230,708	6	N9JF	N9JF	Sturdy Memorial Hospital ARC	252,158	6	WZ1K	AA1FY
Valley Radio Club of Eugene	227,392	6	K7DBV	A17W	Dauberville DX Assn	200,162	4	WE3C	WE3C
Amateur Radio Transmitting Society	220,468	7	—	AD4NM	Old Barney ARC	142,046	3	N2OO	N2OO
Livingston ARK	213,468	8	KF8YC	KF8YC	Falmouth RA	133,216	3	K5MA	KA1IOR
					North Shenandoah DX Assn	125,616	3	W7YS	W7YS
					Eastern Connecticut RA	110,480	3	N1HRA	AA1GV
					South Coast Wireless Society	99,146	5	K3KMO	K3KMO
					Naked Chicken Contest Club	85,946	3	N0EID	N0EID
					Suburban Radio Club	67,934	3	—	KD4HYT
					Williamsburg Area ARC	63,820	3	W2HD	AD4TU
					Albermarle ARC	43,524	3	—	AB7DS
					Radio Club of Tacoma	29,192	3	NF3X	NF3X

for logging, take advantage of the ability to submit your entry electronically via the Internet or the ARRL BBS.

Also, please indicate the amount of time you operated. Not only is it required by the rules, it helps you see how your score compares to others who operated the same amount of time. If a log didn't show the operating time, it was "defaulted" to 24 hours.

The excitement of chasing Clean Sweep mugs is evident by watching the local packet activity during the contest. Everyone is looking for help finding those last sections. If you use packet, you must enter in the multioperator category. Help maintain the integrity of the contest by following the rules.

Final Notes

Special thanks to Assistant Contest Manager Warren C. Stankiewicz, NFIJ, and Contest Assistant Rich Morris, KB1LE, for their help in preparing the results. Mark your calendar now for the 1995 Sweepstakes:

CW is November 4 to 6 and Phone SS is November 18 to 20.



I took a break and went into the kitchen after the first 10 hours. As I made myself a piece of toast, I know I heard my toaster sending CQ SS (KI7LP).

SOAPBOX

CW

I had a lot of interruptions, but like the Red Sox, there's always next year (NM1Q). I missed Alaska for the Clean Sweep and had a hard time finding PQ. Working VE8 was like breaking a pileup for rare DX! (WS1F). It was great fun waiting for a KL7 to call me Sunday afternoon (K2SX). Last year I plodded along at 13 to 15 wpm and wondered if I'd ever get out of the Novice subbands. This year I limped along at 25 to 30 wpm and wondered if I'll ever make a Clean Sweep! The contest gives us goals, though, and perhaps that's the main idea (N1OPZ). This was the first time I ever finished with more than 100k! I knew I'd make it when KX1E called me with the Maine multiplier at 0218Z Sunday night (K8JLF). The great weather in New England made it hard to focus (NO1J). Having a partner to multioperator with helps with motivation, sleep and meals! (NW1S) This is a nice way to hunt countries and prefixes! The slow-speed frequencies boost participation (KA1PU). This was my first contest and I loved it! You don't have to be a "big gun" to have big fun in Sweepstakes (KA2QPG). This is the best contest, bar none! (K2POF). I'm not a CW operator, but it did prove interesting and kicked some rust off my CW skills (WA1MKE). I worked four KL7s before I got one that was really in

Alaska! (N2MM). When your keyer dies Saturday morning, it makes for a long weekend (KZ2I). I missed AK and PQ, just like the "good old days" (WB2ABD). With computers, a person could contest forever (N4MO). I've been a ham for four months and it was great fun (KB3BCE). My new loop antenna improved my score by 25% (N3CBZ). Last year I just tried to see how many states I could work. This year I worked for the pin (K2EB). If it wasn't for the slow-code portions, my score would be zero. Thanks to everyone who slowed down for me, especially the guys in WTX (KB3AFT). It had been 11 years since my last CW SS; I won't wait that long again! (N4JRG). I made 222 band changes. Phew! (K7GM). This marked my 40th year of SS and it's still as much fun as it was back then (N4AA). I had forgotten how much fun this contest is, especially when VY1JA called me on 40 for the sweep (AA4S). I averaged 65 contacts an hour for a four-hour stretch, using an attic antenna on 15 meters. It's amazing how an indoor antenna will work under the right conditions (W4LOO). Running QRP near the bottom of the cycle after several years of QRO is a good way to build patience and character (K14UZ). This is my best score since the contest used to be two weekends long (K4UK). I still have this bad feeling that I was feeding the dog when the band opened to KL7 and VE8! (KX4V). My goal was to work 100 QSOs. When my keyer wore out on No. 97, I had to dig out my practice straight key to finish (KB5VGO). I had so much fun last year, I had to try it again! SS CW is one of the best contests in ham radio! (K5SL). I love CW and events like this help me boost my speed a little each time (KB7UIS). I wish I had time for a 24-hour effort (N5NMX). I had fun trying to stay awake (WB5VZL). I think this makes 27 years of SS participation in 30 years of hammering! (AA6DX). It's too bad the neighbor's electric fence made so much static. The good opening on 10 meters the first day was an unexpected pleasure (W1TR). I guess my new 40-meter beam works, because I was working East Coast QRP stations in the middle of the afternoon (W3AS). I snagged VE8 four hours into the contest, yet I missed VE2, and adjoining Sections EWA and WY. Ouch! (K2PO). I only made 14 QSOs on 15 meters Sunday (W7YAQ). This was the most mults I've ever missed (N7LOX). This contest has recaptured the interest of a lot of hams (AA8AV). I had to share the radio with my son, so I only operated during his breaks to pick up new states for 5BWAS (KB8PK). I enjoyed running QRP and I beat some QRO stations now and again (WB8RUQ). It's too bad Mother Nature decided to eat my 40-meter loop after the first evening (KV8Q). I was on a business trip, so I operated



It's too bad the neighbor's electric fence made so much static (W1TR).

from my mobile station, with my car parked in front of my motel room. It sure was fun! (N0MQC). I operated from a hotel room, where the manager was so helpful, he climbed a tree to help put up my antenna! (W8UE). Never operate a contest when the home football team's game is on television and a bowl bid is riding on the outcome (KF9PL). I had a blast from the "Black Hole" (KO9Y). I had fun testing the new QTH (NJ9C). My new antenna worked super! (ND9O). I had to sleep Saturday night, but still had fun operating part time (W2CRS). Conditions were poor here and it was tough going (K0FRP). I live 20 miles from OK and yet never heard one (W0RT). Band conditions were good over the entire weekend and there was never a shortage of stations to work (AA0NB). 40 meters carried the load, with flaky conditions on 20 Saturday afternoon (K0RWL). My CW speed was about 18 wpm at the start of the contest and was back up to 30 wpm by the end! (VE6GK).

Phone

I had to work for every contact. I didn't think it would be that hard to make 100! (N1CJB). This is one contest where you don't need to be a "big gun" to be a contender (KA1MH). My biggest thrill was having VE8EV call me for my first QSO (W1WEF). It took me a while, but I finally found an NWT station. I thought XN9 was VE1! (K2SX). How sweep it is! (KBIK). My biggest thrill was having AH6LV call me. I said, "I hope you're where I hope you are!" He replied, "Well, this isn't Kansas!" (K1HI). This was my first contest using my 80-meter quad. I kept looking at my bandswitch to see if I was on 40! (N6BV). Band conditions weren't the best, but I did work Washington state on 80 (WV1H). I've got to convince my wife to let me go to the Yukon next year (N1JAC). This was my first contest. I found it more fun than I expected (N2WUB). I had fun competing against the other members of my club (N2LSK). Where have all the Yukons gone? (KB2JE). I heard the XN9. I heard the VE8. Does an SWL report count for the sweep? (KZ2I). I'm still answering QSL cards for Delaware and loving it (WW3V). I get a kick out of ham radio and all the helpful people I meet (N3PJO). I worked NH and RI from EPA on 20, and WWA on 160—go figure! (KE3EO). My greatest Sweepstakes satisfaction is when I beat my most challenging competitor: my own previous year's performance! (WD8LAQ). I worked a lot of states I needed for my WAS (KB3AFT). Operating QRP is a true labor of love, but it offers another challenge (N4FD). This was my first SS; I had a blast! I couldn't find NWT, though, and will try harder, and smarter, next year (NZ3I). I worked the last six states I needed for WAS (N4NFI). This shows that a "little pistol" can have a good time, too (WA4ZX). I can't believe I didn't pull my hair out running QRP (KX5U). I'll be doing this every year from now on (KD4LAN). The poor conditions on 10 meters provide a perfect incen-

tive to upgrade (KD4IBI). The exchange is harder than what I'm used to (WB2NQT). We ordered six square feet of pizza; where did it go? (N5OCD). I had a 40-meter vertical and 100 W, but I almost doubled my score from last year (KJ5VL). The funniest part was when the Alpha power amplifier failed during a QSO with W4ETO (KS1G). We agreed that although we can deal with not working the Yukon, how Nebraska escaped us will keep us in therapy until next year (N5FF). Not only did Murphy stop by, he brought his suitcase! (N5NMX). I must live in the "PQ cone of silence" (WA7BNM). Dry Santa Ana wind made it next to impossible to hear—I almost considered hosing down the antennas to reduce QRN! (NC6U). So far, I've earned every pin since the program started. My work doesn't allow me enough time for full operation, but I can always squeeze in enough time to make 100 QSOs (W6HT). My hat goes off to those brave souls using QRP (WA8LLY). Two hours of 10 meters isn't enough (NV6O). VE8 stations were as scarce as hen's teeth this year (KC2FS). Amazing—I got YU/NWT for the sweep with 30 seconds left in the contest (N7LOX). I was concerned about how well my station would do amidst the "big guns," but I was pleasantly surprised by my results (WJ5N). What a great way to sniff out the last few states for WAS (AA7RW). When band conditions were so lousy on 80 the first night, I went to 160 and made 60 contacts (AA8AV). I was only looking for a few states and didn't plan to work the sweep—but I did! (WB8MTT). Maybe if I had been more serious about operating I'd be getting the coffee cup, too! (N8PCN). Conditions were bad, but I made the best of it (N8RPA). Wow! What a way to test the station and my skills. I'm still suffering from the technological shock that has embraced the hobby in the past 15 years (AC8E). The best part of the November SS is that it makes me get my 40 and 80-meter antennas ready for the winter (KA8D). How can all three members of a multioperator effort fall asleep and miss two hours of operating time? (WD9INF). I had great fun giving people their first or only WV contact for the contest. I had a beautiful view and pleasant weather all day long! (K4UK). I'm only 14, but I'll take Sweepstakes over a bowl of ice cream! (N9RIT). I enjoyed it, even if I had trouble being heard with 75 W and a wire running through the trees (KD0AV). Sweepstakes is harder from Wisconsin than from Puerto Rico (KA9FOX). It was nice to have people using 160 (ND9O). Happiness is having a KH6 and a KH8 answer your QRP CQs! (AA0OB). I enjoy hearing the new ops and the old hands. This sweep marks four in a row (KF0GV). QRP on phone is always interesting and this year it bordered on masochism (N0EID). The pin is a lasting tangible remembrance of an enjoyable operating experience (W7THY). The bands are definitely not dead! I met a lot of hams who didn't know about the contest, but wanted to know what was going on (N0WBV). I think there should be a multiplier for the number of times we repaired the power amplifier (N0MMA). Almost nothing can beat the excitement of a good contest (VE2CEV). The auroral effects make propagation from the Yukon difficult to manage (VY1JA).

Feedback

See last year's results in May 1994 *QST*, pp 119-131. The following scores were omitted from the Phone listings:

AE2T (+WA2RZJ) 48,280 340 71 22 M (WNY)
This puts the Lockport ARC in the Local Club Competition with 113,154 points, with WA2RZJ the CW club winner. The club had no phone club winner.

WB3FAA 169,708 1102 77 24 B (EPA)
Bob is also the phone club winner for the Murgas ARC, which now has a club aggregate score of 347,470.

W4NTI 98,192 646 76 24 B (AL)
KB7KL/T 7436 111 38 8 A (OR)
Mike is the Technician winner from Oregon; the Valley RC of Eugene now has 460,172 points.

CH4VV 93,480 615 76 18 Q (MB)
Derrick is the QRP winner for Manitoba and Canada. In addition, Greg, AA0OB, ran QRP, not low power.



We operated from a local Civil Defense station located near the police station. Five hours into the contest we were informed that the phone line was picking us up, and "CQ SS" was going out with the dispatch calls on a busy Saturday night! (K5SL).

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). **Bold** denotes a new Division record.

CW

1

Connecticut

WW1G (+KD1LZ,N1s HKO,JKT,KLP,
LT,SMB,SNB,WA1RLO,WB1XB,
WA2IZM) 34,580 247 70 24 B
KA1FMR (+NET) 9,870 105 47 12 A

WW1G (+KD1LZ,N1s HKO,JKT,KLP,
LT,SMB,SNB,WA1RLO,WB1XB,
WA2IZM) 34,580 247 70 24 B
KA1FMR (+NET) 9,870 105 47 12 A

Rhode Island

WA1HYN 37,772 266 71 10 Q

W1OD 115,194 789 73 22 A
W1ECH 52,540 355 74 10 A
KR1S 45,540 345 66 15 A
K3KMO 39,600 300 66 16 A
K1KAV 39,390 303 65 21 A
W1QK 34,776 276 63 7 A
WV1C 34,320 264 65 24 A
K1TN 33,792 264 64 4 A
K1DW 28,980 230 63 6 A
NX1Q 25,200 210 60 6 A
NIJW 23,364 198 59 9 A
N2LTK 15,290 138 55 14 A
K1VWL 12,064 116 52 24 A
KA1WIF 11,220 110 51 6 A
KA1MM 8,658 111 39 10 A
KB1ACN 7,560 105 36 18 A
AA1CB 5,460 70 39 12 A
N1HRA 3,960 60 33 24 A
WR1B 800 25 16 6 A
KA1SZP/T 198 11 9 6 A
N1NQD 60 6 5 6 A

W1WEF 164,008 1079 76 23 B
K1ZZ 125,100 834 75 16 B
W1ODY 110,852 744 74 20 B
K1IN 65,036 458 71 16 B
WS1F 64,904 427 76 20 B
K1TO 64,224 446 72 6 B
K1RM 41,728 326 64 24 B
K1WB 24,570 195 63 6 B
N4XR 23,874 173 69 7 B
KT1T 2,600 50 26 2 B

AA1II (+KA1WIU) 19,796 202 49 18 B

Vermont

WA1GUV 12,408 141 44 4 Q

WA1OLS 2,880 48 30 24 A
N1PBT 2,288 44 26 24 A

W1IS 136,752 924 74 23 B
KD1SG 21,492 199 54 24 B
K1CLN 2,322 43 27 3 B

NW1S (+AB1T) 146,916 954 77 24 B

Western Massachusetts

AA1HE 3,828 58 33 18 Q

K1RU (+WA1U) 165,242 1073 77 24 B

K2SX1 (+NET) 120,274 781 77 15 B

W1NRG (K1s TG,UD,F11s HMX,JEO,
RMA,W1KKF,WA1TRY,ops)

66,722 457 73 24 A

N1OPZ (+NET) 7,800 75 52 17 A

Eastern Massachusetts

W1MK 44,460 342 65 13 Q

K1VUT 107,136 744 72 24 A

K8JLF 102,200 700 73 24 A

KB2R 80,300 550 73 21 A

W1KEE 68,976 479 72 21 A

K1NTR 66,600 450 74 18 A

AA1HB 64,042 451 71 20 A

WZ1K 57,852 406 71 18 A

WT1O 56,828 429 66 17 A

WA1G 50,508 366 69 8 A

K01O 44,940 321 70 14 A

WR1P 37,376 292 64 8 A

NO1J 36,846 267 69 11 A

KB1KM 35,200 275 64 20 A

WA1IML 27,008 211 64 6 A

K1JKS 20,648 178 58 6 A

K8SH 20,412 162 63 6 A

NU1H 15,496 149 52 11 A

K1VV 12,480 130 48 5 A

KA1CLV 12,100 121 50 10 A

NI1UN 11,810 129 45 24 A

WX1G 10,758 163 33 15 A

W01N 9,090 101 49 7 A

AA1JY 3,400 50 34 4 A

WD1H 2,862 53 27 11 A

WA1TTE 1,520 38 20 15 A

K1KP 72,562 511 71 20 B

K1CB 63,000 450 70 13 B

W1FM 59,340 430 69 24 B

K5MA 40,334 301 67 5 B

KA1IOR 20,882 197 53 24 B

W1XS (+NET) 26,572 182 73 24 A

W1AF (AA1JA,N1PIO,ops) 8,880 111 40 13 A

Maine

W1XN 25,016 212 59 14 Q

NY1E 11,040 120 46 9 Q

AA1DL 5,236 77 34 9 Q

KX1E 60,672 474 64 22 A

KA1RUG 7,696 104 37 3 A

N1MHB 2,808 52 27 12 A

KA1YSN (+AA1ED,KA1RFD,N1s KAT,
MPX) 10,560 110 48 12 A

New Hampshire

WA1LNP 85,396 577 74 24 Q

AA1CA 18,704 167 56 21 Q

K1TR 149,100 994 75 24 A

W1PH 133,644 903 74 24 A

WA1S 102,298 673 76 22 A

NO1V 53,600 400 67 16 A

W51E 50,370 365 69 14 A

K21O 37,088 304 61 24 A

K1ATL 30,378 249 61 20 A

N1KCZ 9,810 109 45 12 A

KD1ON 7,912 92 43 6 A

WF1D 7,272 101 36 7 A

K1HI 46,230 345 67 24 B

WW1G (+KD1LZ,N1s HKO,JKT,KLP,
LT,SMB,SNB,WA1RLO,WB1XB,
WA2IZM) 34,580 247 70 24 B
KA1FMR (+NET) 9,870 105 47 12 A

WG3I 13,624 131 52 6 Q

WA2SRQ 143,488 944 76 24 A

WA2VYA 116,128 764 76 24 A

WA0QOA 92,862 603 77 22 A

W2HCA 75,000 500 75 21 A

K2TWK 28,928 226 64 15 A

NS2WK 27,136 212 64 10 A

WA2JHN 19,024 164 58 16 A

WF2Z 17,690 145 61 10 A

W2KWW 16,430 155 53 8 A

K2DM 11,236 106 53 24 A

W2LRO 11,100 111 50 8 A

KA2ANF 10,050 107 47 12 A

NW3KJM (+N2MHZ) 52,632 387 68 24 B

NY3C 20,298 199 51 12 Q

WW3V 89,782 583 77 21 A

N4MO/3 66,240 480 69 21 A

N3HXF 288 12 12 6 A

NW3Y (+NET) 81,650 575 71 16 B

K4IX3 (+NW3K,WD4GOY) 58,646 413 71 24 A

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

KV2W (+N2s HCQ,VEB,VFI,XPP)
9,870 105 47 19 A

NW3C 38,400 300 64 7 A

W3YQ 37,122 269 69 6 A

KA3POA 30,104 212 71 16 A

KB3AFT 24,864 259 48 22 A

WW3S 23,546 193 61 12 A

W3OS 14,248 137 59 9 A

WA3SLE 7,696 104 37 11 A

KB3AZK/N 6,634 107 31 23 A

KE3KD 5,106 69 37 24 A

N3PWB 4,332 57 36 15 A

AA3II 1,512 28 27 11 A

AA3GM 952 28 17 5 A

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

N3DQU 22,016 172 64 20 B

W3GH (+W9XR) 188,480 1240 76 24 B

WR3G (+NET) 15,344 137 56 5 A

NY3C 384 16 12 3 Q

K3LR (K3UA,op) 208,824 1356 77 24 B

K3MD 56,816 424 67 7 B

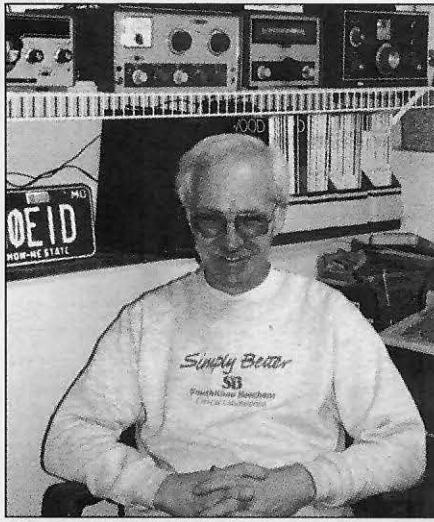
N3DQU 22,016 172 64 20 B

Oregon

W7YAO	79,500	530	75	22	Q	KEBOT	1,794	39	23	4	A	9	W9XT	12,750	125	51	3	A	NS0B	59,860	410	73	13	A
K7JPT	25,370	215	59	17	Q	KABNDY	1,540	35	22	11	A		W9UE	11,600	116	50	7	A	WA0IYY	59,202	429	69	17	A
AA7KF	113,100	754	75	24	A	KABIZE	1,188	33	18	6	A		AA9FW	10,620	118	45	13	A	WA0IOU	55,044	417	66	16	A
AA7CP	48,438	351	69	24	A	KBSLSD	520	20	13	8	A		N9JAK	10,404	102	51	10	A	KI0W	53,108	374	71	10	A
N7ICK	42,160	310	66	17	A	K8AJD	510	17	15	24	A		W9PN	37,674	299	63	12	Q	KOYIP	49,140	351	70	19	A
K17Y	39,600	300	66	11	A	KABEG	352	16	11	1	A		W9PNE	37,536	276	68	13	Q	AA0NB	28,686	239	60	13	A
N6PZ	37,400	275	68	14	A	N8KHZ	308	22	7	24	A		W9BNRNL	9,084	103	44	10	A	KS0M	24,720	206	60	9	A
A17B	16,748	158	53	4	A	KBCNND/T	240	12	10	2	A		N9RIT	15,390	135	57	13	Q	KA0P	15,312	132	58	4	A
W7TC	15,680	160	49	13	A	WA8ZDT	195,000	1300	75	23	B		W9WS	12,720	120	53	9	Q	WA0I	13,600	100	68	15	A
K7WPC	4,420	65	34	3	A	N8EA	87,330	615	71	14	B		W08L9	2,444	47	26	6	A	AA0NR	12,250	125	49	24	A
KC7AGK	264	12	11	24	A	N7BV	12,840	107	60	9	B		W0AIIH	(K0FVF,op)					K0JPL	10,368	72	72	12	A
KC7CGK	180	10	9	24	A								W7T9Q	142,228	961	74	24	B	WX0G	8,484	101	42	7	A
N6TR	161,392	1048	77	24	B	AABU (+WX3M,AA8HZ,K8MJZ, KC8EK,KF8DF,OE,KB8ONE, N8IJM)	164,934	1071	77	24	B		W9HRC	130,092	879	74	23	B	N0IZZ	5,576	82	34	8	A
N7MMQ	147,686	959	77	24	B	K8JM (+N8TFR)							W2WOE	120,384	792	76	24	B	KB0IDI	4,896	68	36	18	A
WA7FAB	134,672	886	76	23	B								K9QYC	19,126	131	73	10	B						
W2VJN	114,114	741	77	19	B																			
K7DBV	49,000	350	70	15	B																			
A17W	8,750	125	35	8	B																			
K7GDN (+op)	11,648	112	52	10	A																			

Utah

W7CFL	63,440	640	73	24	Q	K8MFO	100,168	659	76	24	Q	9	W9GGY	68,686	477	72	19	A	Colorado	86,240	616	70	20	Q
K6EIL	47,600	350	68	16	Q	WA8RFJ	75,460	539	70	24	Q		W9SZ	61,912	436	71	20	A	K0FRP	48,416	356	68	14	Q
AH3C	49,542	359	69	10	A	K8QOJ	56,576	442	64	23	A		W9LNO	57,800	400	72	13	A	K0CRS					
N7LMO	10,584	108	49	5	B	W9VNE	46,368	336	69	13	Q		W9QNU	53,900	350	77	16	A	K0KE	149,226	969	77	24	A
K6XO (+W0MHS)	150,458	977	77	24	B	W8VLL	42,228	306	69	24	Q		N9NCX	43,200	300	72	17	A	K9AY	101,616	696	73	23	A
						N8ZAT/T	7,140	102	35	11	Q		AK9Y	39,054	283	69	24	A	N0ZA	95,192	652	73	24	A
													NE0P9	37,062	261	71	24	A	K0KRP	49,572	538	70	12	A
													W9AXL	36,800	300	61	24	A	K0BOL	30,870	245	63	8	A
													KF9D	36,494	257	71	7	A	K0AP	30,240	240	63	10	A
													KF9C	34,848	264	66	9	A	K0FQS	27,028	233	58	14	A
													KF9P	36,288	288	63	9	A	W0SG	23,680	185	64	14	A
													K9PPW	34,848	264	66	9	A	W0Q	16,464	147	56	12	A
													W9OA	34,336	232	74	11	A	W9KV	15,390	135	77	24	B
													W9L	29,646	243	61	9	A	W0B0HNA	13,674	129	53	10	A
													W9LN	24,320	190	64	14	A	K9YKL	13,462	127	53	14	A
													W9ZEN	24,278	199	61	12	A	NA0OF	10,120	110	46	5	A
													W9WCH	23,520	196	60	14	A	N0KOE	7,470	83	45	24	A
													W9VHW	21,452	173	62	16	A	KB0BLS	1,260	30	21	12	A
													W9B9UGX	19,936	178	56	16	A	W0BHZL	1,116	31	18	6	A
													W9R	15,418	119	61	14	A						
													W9REC	14,518	119	61	14	A						
													W9MSG	14,300	134	50	18	A						
													W9LGP	12,138	119	51	7	A						
													W9LG	12,138	119	51	7	A						
													W9VGV	10,486	107	49	24	A						
													W9AH	9,844	107	46	5	A						
													W9AH	9,240	105	44	17	A						
													W9WCH	9,120	114	40	9	A						
													W9VHW	8,400	100	42	3	A						
													W9B9UGX	6,560	82	40	11	A						
													W9R	3,876	57	34	10	A						
													W9RE	193,116	1254	77	24	B						
													W9E	158,466	1029	77	24	B						
													W9KJ	145,768	959	76	24	B						
													W9V	124,320	840	74	21	B						
													W9W	118,030	822	73	24	B						
													W9Q	97,736	643	76	24	A						
													W9Q	96,330	495	67	24	A						
													W9Q	91,116	106	43	16	A						
													W9Q	87,000	1400	77	24	B						
													W9Q	86,860	499	70	22	B						
													W9Q	81,648	567	72	24	Q						
													W9Q	80,654	504	68	24	A						
													W9Q	79,588	433	68	18	A						
													W9Q	79,256	322	68	15	A						
													W9Q	78,100	613	76	17	B						
													W9Q	77,200	258	75	14	A						
													W9Q	76,300	281	68	19	A						
													W9Q	75,272	201	64	18	A						
													W9Q	74,572	182	68	9	A						
													W9Q	73,252	156	69	24	A						
													W9Q	72,500	156	69	24	A						
													W9Q	71,750	136	75	24	A						
													W9Q	71,000	136	75	24	A						
													W9Q	70,250	136	75	24	A						
													W9Q	69,500	136	75	24	A						
													W9Q	68,854	136	75	24	A						
													W9Q	68,200	135	75	24	B						
													W9Q	67,500	135	75	24	B						



Joseph, N0EID, remarks, "QRP on phone is always interesting and this year it bordered on masochism!"



Natalie, KC7FWM, got some help from her father, Kevin, W9CF, on CW, but operated phone by herself. Good job!



Mike, KE5CV, finished in third place overall in the low-power phone category while operating at NA5S.

Phone 1

Connecticut

KHCP/1	50,700	390	65	22	Q
KA1CZF	14,280	140	51	8	Q
NM1Q	8,772	102	43	7	Q
NC1JB	8,320	104	40	17	Q
WV1C	92,416	608	76	24	A
WE6G	82,656	574	72	20	A
KD1BM	76,000	500	76	19	A
WB1DWO	74,752	512	73	17	A
NX1Q	31,500	250	63	7	A
WE1ECH	30,912	224	69	7	A
K3KMO	25,740	198	65	15	A
AB1I	24,644	202	61	11	A
N1KJW	21,574	161	67	11	A
NO1KF	18,330	141	65	18	A
KD1XS	17,064	158	54	24	A
K1CE	16,912	151	56	8	A
AA1JO	15,582	159	49	11	A
KD1TM	14,696	167	44	11	A
WB8IMY	11,424	112	51	8	A
AA1CB	10,780	110	49	12	A
N1OXO	10,528	112	47	8	A
K1MH	9,964	106	47	4	A
N1QVE	7,584	79	48	24	A
K1KAV	1,292	34	19	4	A
KJ4KB	546	21	13	4	A
W1WEF	254,408	1652	77	24	B
N8RA	115,200	800	72	14	B
W1NG	68,638	447	77	6	B
N1JW	35,224	259	68	7	B
K1RM	33,800	260	65	24	B
N2LTK	33,552	233	72	15	B
KC1OH	29,056	227	64	12	B
WB1BH	23,716	154	77	6	B
K1DII	21,200	200	53	4	B
K1NYK (+NET)	130,592	848	77	24	B
W1QK (+KA1SYG,W0P1)	100,562	653	77	18	A
K2SX/1 (+NET)	82,696	537	77	9	B
N1HRA (+KA1VMG,N1s PUW,RJF)	76,760	505	76	24	B
K1N (+NET)	61,600	400	77	16	B
W1NRG (K1UDF,K1A1SYG,N1s JEO, LEU,OKM,W1KKF,W1ATRY,ops)	47,272	311	76	24	A
N1NQD (+NET)	45,880	310	74	22	B
N1BPD (+KB1BID)	35,510	265	67	13	A
K1KI (+W1OD)	31,584	336	47	4	B
NG1J (+NET)	16,346	122	67	5	A
N1OPZ (+NET)	11,160	90	62	11	B
W1AW (N1DX, K8AQAM, KB8ECG, K0BJ)	4,096	64	32	24	A
N1OFO (+N1QGY)	3,240	54	30	14	A

Eastern Massachusetts

K1VUT	117,660	795	74	23	A
KB2R	100,200	668	75	23	A
KA1WHL	75,544	532	71	21	A
KB1KM	58,056	377	77	22	A
K8JLF	39,480	282	70	9	A
W1VL	33,408	232	72	18	A
NG1I	29,212	218	67	12	A
N1HVK	27,604	206	67	9	A
KA1VY	17,496	162	54	7	A
AA1JY	16,740	155	54	8	A
WW1I	16,100	161	50	8	A
NU1H	15,372	122	63	8	A
K1VV	13,208	127	52	5	A
WA1TTE	11,438	133	43	9	A
NZ1D	11,266	131	43	24	A
KD1FF	8,856	108	41	12	A

WT1O	8,686	101	43	4	A
WA2SCA	8,190	65	63	8	A
WI1K	7,068	93	38	12	A
W1BK	6,860	70	49	4	A
WA1ECF	3,224	62	26	15	A
N1RYL/T	90	9	5	3	A

KA1FMR (+NET)	16,356	141	58	10	A
NX1G (+NET)	9,752	106	46	4	A

KF2O	17,710	115	77	12	A
KF2YC	16,464	147	56	24	A
KF2SC	15,458	131	59	23	A
N2CJJ	14,994	119	63	9	A
N2LBZ	13,216	112	59	20	A

WB2K	252,560	1640	77	24	B
K2WK	80,068	541	74	24	B
K2LG	44,352	308	72	24	B
W2RQ	32,436	306	53	3	B
N2CFD	30,636	222	69	24	B

AA2NM

27,456

20,328

132

77

24

B

W1GD

20,304

141

72

11

B

WB2HCA

20,304

141

72

11

B

N2VYU

16,170

165

49

8

B

K4BNC

11,858

77

77

24

B

K2DM

5,644

83

34

24

B

K2ZS

2,964

57

26

1

B

N2RK (+KB2LHH,KF2TP,N2s BIM, WM)

110,048

724

76

24

B

N2MZB (+N2s KJM,TES)

99,484

646

77

23

B

NN2T (+NO2T)

77,462

503

77

16

B

K2MF (+KB2ZG,KF2TP,N2s MTA, PVD,QM,SMS,WW2Iops)

41,674

311

67

22

B

KD2L (+NET)

40,050

267

75

15

B

KF5K (+NET)

11,000

100

55

18

A

KC2OM (+KB2SIR,N2TDS)

10,350

115

45

9

A

NYC-Long Island

N2KPY

17,056

164

52

9

Q

K2OVS

1,250

25

3

Q

KS2G

73,730

503

75

15

A

WB2AYQ

28,810

215

67

24

B

WB2BZH

22,144

173

64

12

A

WB2BTJ

19,494

171

57

14

A

N2KYP

9,870

105

47

6

A

WB2ZUR

7,650

206

68

17

B

N2ARQ (+NET)

111,672

736

76

24

B

WB2EAR (+N2s ZHR,ZHU)

11,650

725

77

11

B

N2POS (+N2PEN)

20,020

143

70

17

A

N2LCD (+N2CKV)

WT2D	1,404	39	18	24	A	K3TJ3	17,820	198	45	4	B	AD4DA	+AD4OB,KD4WAC, KE4sFRZ,HQJ	41,292	279	74	22	A	Puerto Rico	NP4Z (WC4E,op)	9,568	104	46	24
KA2YKN	850	25	17	2	A	KC3QU	15,244	206	37	24	B	AD4OB	+AD4DA,KD4WAC, KE4sFRZ,HQJ	28,408	1903	76	24	A	K1MHV	9,568	104	46	24	
KE3GA/2	140,448	912	77	18	B	WY3T (+KA3DSX,N3sJRX,KGL, WB3FYL)	135,432	891	76	24	B	KP4VA	(KP4s PT,TK,WK,WP4s JLK, JXD,ops)	64,800	450	72	24	A	KB4CG	7,704	107	36	7	
AB2E	104,400	696	75	12	B	K3WW (+NET)	123,200	800	77	19	B	K4FD	63,648	442	72	12	Q	KE4OML	7,344	108	34	5		
W2SV (WB2DIN,op)	93,300	622	75	12	B	N3MKZ (+N3UB)	115,038	747	77	24	B	K4BAI	79,050	527	75	18	A	KD4EDG	6,150	75	41	12		
W2PAU	38,624	272	71	14	B	N3ADL (+NET)	83,776	544	77	15	B	KC4GCK	63,384	417	76	17	A	KN4JS	5,928	76	39	1		
WA2YSW	31,220	223	70	18	B	W3FV (+NET)	62,524	406	77	24	B	K4EZ	28,776	218	66	24	A	KD4GW	2,016	48	21	A		
K2AKFO	18,300	150	61	12	B	WB3AAL (+KA3YAH,N3sFTI,LOQ, WA3B,WCR8)	48,300	350	89	20	A	WO4B	24,140	170	71	24	A	W3FTG	1,886	41	23	A		
N2AWC	1,520	40	19	4	B	KC3M (+NET)	30,800	200	77	13	A	N4NFI	20,634	181	57	14	A	KD4BH	1,836	51	18	10		
N2RM (+KA2EV,EK22S)	181,720	1180	77	16	B	N3KWN (+N3PNE)	17,820	162	55	12	A	KSC4M	14,592	128	57	24	A	KE4HHZ	1,728	36	24	24		
N2VW (+NET)	35,372	239	74	8	B	WC3A (+N3KYZ)	17,784	156	57	24	A	N4IBO	11,448	108	53	7	A	N3PDK	416	16	13	24		
KB2MMI (+KD4FQG)	31,088	232	67	24	A	KC4DDY (+NET)	8,736	104	42	24	A	KW4E	2,340	39	30	2	A	W4MYA	267,806	1739	77	24		
WY2X (+N2YJQ)	17,328	114	76	6	B	WB3CIW (+NET)	11,552	76	76	11	A	KJ4FW	59,136	384	77	15	B	AD4TU	53,504	352	76	24		
Western New York	KE9VB	128,592	846	76	23	A	WC3A (+N3KYZ)	17,820	162	55	12	A	N4XQN	38,000	250	76	16	B	KO4FM	49,640	340	73	12	
WJ2W	111,264	732	76	19	A	WB3CIW (+NET)	4,134	53	39	2	B	KB4GID (+NL4DZ,op)	34,914	253	69	10	B	W4LMJ	40,120	295	68	14		
AA2PQ	55,440	385	72	22	A	K3ANS (+NET)	51,336	372	69	10	A	K4EVD	40,700	275	74	12	B	KR4IS	9,752	106	46	24		
NA2Q	44,676	306	73	15	A	WB3CIW (+NET)	51,336	372	69	10	A	W8CNL	26,334	171	77	18	B	W4YCZ	8,484	101	42	24		
WN2R	41,208	303	68	21	A	K3ANS (+NET)	4,134	53	39	2	B	KSD4U (+N2ZZ,KB4GYT,KD4NJJN, KJ4NEU)	78,736	518	76	24	A	WF7B (+NET)	237,160	1540	77	24		
W2OMV	40,460	289	70	17	A	WB3CIW (+NET)	51,336	372	69	10	A	W4PZV (WA45VO,op)	116,424	756	77	23	Q	KC4DY (+K04NWL,WA4RDI)	205,128	1332	77	24		
K2ZR	39,600	300	66	12	A	K3D (WD4IEH,op)	51,336	372	69	10	A	AD4LAN	95,922	657	73	23	Q	K3SW (+NET)	175,406	1139	77	18		
NS9E	31,620	255	62	18	A	WB2MMW	51,336	372	69	10	A	AD4TT	16,800	140	60	12	Q	WD4KXB (+K4JW)	170,544	1122	76	24		
WB2MMW	30,096	228	66	15	A	WB2PBM	51,336	372	69	10	A	KD4AHZ	108,724	706	77	24	A	N4PMQ (+N3VFB,KC4GIA,KE4NFK, KQ4TL,KR4DO,KS4AQ,N4TRX)	121,506	789	77	24		
AF2K	28,640	358	40	10	A	WB2PBM	51,336	372	69	10	A	KB4LCR	50,370	345	73	24	A	WB2NQT (+NET)	56,364	366	77	11		
WB2PBM	19,782	157	63	24	A	WB2PBM	51,336	372	69	10	A	WA4EMU	45,752	301	76	14	A	KC4ZHQ (+KD4MVG)	45,504	316	72	21		
KE2UV	19,712	128	77	20	A	W3G/GZCZ	29,100	194	75	17	A	WA1WTR	20,996	181	58	19	A	AC4XT (+NET)	15,900	106	75	11		
WF2L	16,610	151	55	24	A	N3A0E	25,600	200	64	24	A	N2EGO	13,992	132	53	15	A	W4ZYT (+NET)	14,300	143	50	3		
AA2TM	15,892	137	58	11	A	KA3IXG	25,074	199	63	17	A	K4DC	42,280	302	70	10	A	5	Arkansas					
NA2A	14,400	120	60	8	A	N3PGG	24,948	198	63	14	A	K4PCY	38,036	257	74	24	A	K5NE	21,320	164	65	11		
KF2XC	12,000	120	50	11	A	K3SA	24,000	200	60	3	A	KU4A	34,504	227	76	11	A	AB5SE	135,280	890	76	22		
N2WK	11,552	76	76	7	A	WB4PBG	20,650	175	59	19	A	KJ4WH	11,872	112	53	10	A	WD5DJW	78,840	540	73	22		
KM2L	11,526	113	51	5	A	KA3TC	17,670	155	57	13	A	K4QMG	30,498	221	69	9	A	WA5ZGJ	48,944	322	76	20		
WA2RZJ	9,792	102	48	5	A	WB3EOP	16,536	156	53	12	A	KR4KL	24,080	172	70	9	A	KF5PN	41,440	296	70	17		
N2LQQ	9,546	111	43	12	A	K3KBI	14,732	172	57	15	A	K4DNN	48,750	325	75	16	A	K5QOF	16,958	139	61	15		
N2DM	7,280	91	40	6	A	K3RY	12,614	119	53	8	A	KD4IXK	22,050	175	63	18	A	KK5EB	13,680	114	60	24		
N2RJA	2,622	57	23	12	A	KA3DOF	11,544	78	74	13	A	K4JLK	13,464	132	51	19	A	AA5LT	12,852	126	51	8		
WB2DVU	90	9	5	24	A	K3EZNZ	11,500	115	50	15	A	WMDXL	13,000	125	52	18	A	N9BED	12,500	125	50	7		
K2JZJ (WA2LC,C,op)	212,496	1398	76	24	B	NF3X	11,448	106	54	9	A	WV5Z	12,412	107	58	24	A	KC5DU/UT	100	10	5	1		
AJ3K	133,456	878	76	19	A	WB3JAP	8,586	107	40	24	A	N4BP	204,150	1361	75	18	B	W5YM (A5DL,K5GOE,KB5RUI, KC5JD,K0MG,N5UWQ,N0QLT,ops)	145,684	946	77	24		
AE2T	69,708	471	70	20	B	WB3EOP	8,360	110	38	24	A	W4NVU (WQ3G,KB4PNH,KD4s CGP, HRD,K4Es KYV,MGT,N4OLE, WA4QKO,W4TJQ,ops)	116,400	704	77	22	B	AB5LE (-K5Cs AHN,CNO,DCI,FWC, IHK,K15H,NA5s RXS,XAY)	95,850	639	75	23		
W2R (WB2YOH,op)	65,758	427	77	14	B	K3TQ	288,496	1888	76	24	B	AB4RX (KD4DJW,K4EKBX,ops)	23,098	1522	77	24	B	AB5RQ (-KB5BQ-M,MO,ZYC,KC5s AHF, HDR,K15BVK,KB5YJQ)	83,468	542	77	21		
K2MP	46,500	310	75	5	B	K3Q	268,432	1766	76	24	B	W4RDU	116,424	756	77	23	Q	WA5SOG (+KB5M)	54,750	375	73	9		
AA2IZ	38,000	260	76	24	B	K3QH	28,498	188	76	24	B	W4AY (WA4ZZU,op)	108,416	704	77	22	B	Louisiana						
W2M0	37,520	268	70	12	B	KE3WV	28,498	188	76	24	B	W4AY (WA4ZZU,op)	108,416	704	77	22	B	N5PST	179,332	1158	77	22		
WR2V	31,602	229	69	17	B	WB2PBM	51,336	372	69	10	A	W4ZXA	119,350	775	77	24	A	NZ5O	125,972	818	77	18		
WB2RAJ	24,420	165	74	24	B	WB3EOP	51,336	372	69	10	A	K7GM	66,528	432	77	8	A	K5BWP	265,188	1722	77	24		
W2FXA	15,554	101	77	8	B	WB3EOP	51,336	372	69	10	A	KO4AV	52,822	343	77	23	A	K5SL (+KB5ZRD,K5CDT,KJ5US, VK2ACM)	265,188	1722	77	24		
K2JZJ (WA2LC,C,op)	11,500	274	75	16	A	WB3EOP	51,336	372	69	10	A	WB4MNG	30,240	210	72	15	A	W5GAD (K5EF,KC5KGU,N5s OGW, TEK,UXT,VBV,W5s LMR,RMX, WA9TMC,WB9VTP,ops)	147,888	1187	77	24		
WB2RZG	13,040	163	40	18	A	WB3EOP	51,336	372	69	10	A	WB4NHF	24,960	208	60	24	A	K1SEE (-KJ5NS,KH5AP)	159,852	1038	77	24		
3	Delaware	WB3EOP	51,336	372	69	10	A	WB3EOP	51,336	372	69	10	A	WB4PHW (+KD4LIF)	10,580	115	46	24	A	K5EE (+KJ5NS,KH5AP)	61,104	402	76	14
WB3EOP	133,210	865	77	19	A	WB3EOP	51,336	372	69	10	A	WB4ZM	126,150	841	75	24	B	Mississippi						
NY3C	40,430	311	65	10	A	WB3EOP	51,336	372	69	10	A	N4YEK (KC4URW)	239,098	1552	77	24	B	NQ5DE	106,350	709	75	24		
KP2CD/3	10,032	114	44	14	A	WB3EOP	51,336	372	69	10	A	WB4FV	150,300	1002	75	24	B	WQ5L	90,450	603	75	19		
NW3Y	53,576	362	74	5	B	WB3EOP	51,336	372	69	10	A	AA4DO (-NET)	133,300	222	75	16	A	KB5FET	11,236	108	53	9		
Eastern Pennsylvania	N3IGA	20,064	152	66	24	Q	WB3EOP	51,336	372	69	10	A	WB4PHW	22,022	143	77	9	A	W5VSZ	167,706	1089	77	24	
WE3C	9,500	125	38	5	A	WB3EOP	51,336	372	69	10	A	N4RJY	28,346	219	67	24	A	NP2GM (+KP2N, NP2s BT, Q, W, Y,	233,000	1624	77	24		
N3PFF/T	18	3	3	2	Q	WB3EOP	51,336	372	69	10	A	WB4WTO	28,520	230	62	11	B	N9RJ/KP2Z (+N9RJ/KW9GCI,WB9CP9)	37,050	285	65	6		
K2JZJ (WA2LC,C,op)	154,200	1028	75	24	A	WB3EOP	51,336	372	69	10	A	KD4YFL (+KE4HKY)	11,832	116	51	18	A	Virgin Islands						
WB3EOP	94,094	221	61	23	A	WB3EOP	51,336	372	69	10	A	K4VFTY (N4EVs,op)	45,540	335	75	20	Q	NP2E	45,540	330	69	19		
WB3EOP	75,780	130	53	9	A	WB3EOP	51,336	372	69	10	A	K4VFTY (N4EVs,op)	52,950	352	75	20	Q	K5CU	3,300	50	33	10		
WB3EOP	65,360	230	62	24	A	WB3EOP	51,336	372	69	10	A	K4EBX	181,258	1177	77	22	A	KC5KEG	50	5	5	2		
WB3EOP	65,630	360	43	24	A	WB3EOP	51,336	372	69	10	A	K4EBX	37,812	274	69	24	A	KN5H	14,308	146	49	6		
WB3EOP	65,468	317	72	21	A	WB3EOP	51,336	372	69	10	A	K4EBX	37,812	274	69	24	A	NOEHF	13,184	103				

W5FIO	9,270	103	45	9	Q	N6EK	164,934	1071	77	24	B	W6JVA	10,082	71	71	10	A	
NASS (KE5CV,op)	251,636	1634	77	24	A	W6RJ	159,698	1037	77	14	B	W6MV	2,800	56	25	2	A	
W5MYA	173,736	1143	76	20	A	WB6MQZ	143,100	954	75	20	B	W6JXA	2,784	48	29	3	A	
WD5K	154,584	1017	76	22	A	W6BSP	126,126	819	77	22	B	KT6V	33,000	220	75	24	B	
NNST	91,808	604	76	16	A	W6GPM	46,360	305	76	23	B	N6KU	35,510	265	67	11	B	
AB5MG	52,392	354	74	18	A	W6ZGZ	31,552	232	68	5	B	KT6V	205,590	1335	77	24	B	
WK5K	47,888	328	73	24	A	W6FSJ	26,520	195	68	10	B	N6AWF (+KD6WU,ZN6s AWF,ECA, NHC,WA6JW)	138,320	910	76	18	B	
ABC5	46,970	305	77	17	A	W6RGQ (+NET)	103,642	673	77	17	B	KD6QK (+NA6ZE)	88,396	574	77	23	B	
N5SEM	31,050	225	69	18	A	N6CCL (+NET)	88,858	577	77	24	B	KD6KQW (+AB6DI)	26,026	169	77	18	A	
KD5PJ	24,552	186	66	24	A	WB6JJE	29,670	215	69	4	Q	W6JVA	31,878	231	69	13	Q	
KC5NT	21,888	171	64	10	A	KC6X	154,616	1004	77	24	A	W6JXW	75,392	496	76	24	A	
KM8I	17,496	162	54	4	A	KJ6HO	131,516	854	77	24	A	K7OXA	67,938	507	67	6	A	
KC5ND	16,500	150	55	10	A	WB7BNM	120,536	793	76	21	A	A7YP	34,706	259	67	14	A	
KJ5VL	15,000	150	50	15	A	WA6GDS	61,200	425	72	15	A	N7RAT	32,736	248	66	24	A	
KF5XM	9,588	102	47	10	A	KN6LM	51,612	374	69	24	A	W7VY	30,150	225	67	11	A	
W5DLM	8,772	86	51	6	A	WB6NFO	41,580	297	70	17	B	N7N7A	23,188	187	62	13	A	
KA5W (KS1G,op)	328,482	2133	77	24	B	KM6TB	30,076	206	73	15	A	K6KIF	21,122	179	59	24	A	
K5RX	296,296	1924	77	23	B	K6ZCL	28,602	227	63	19	A	K7AKJ	16,380	130	63	11	A	
AA5UO	217,448	1412	77	24	B	K0BGL	27,738	201	69	15	A	W6SYM	15,840	144	55	24	A	
K15NE	101,100	674	75	24	B	AC6EF	26,934	201	67	11	A	W4VZR	14,352	138	52	11	A	
KB4TI	17,400	150	58	15	B	K6OY	11,858	77	77	5	A	W8ZJY	14,000	140	50	24	A	
WX0B (+AL7CQ,KD5SP,NA5Q)	320,782	2083	77	24	B	NA2D	10,560	110	48	24	A	K7IRK	7,548	102	37	4	A	
K5MR (+K15K)	303,688	1972	77	24	B	WB2ODH/6	5,852	77	38	3	A	KC7FWM/N	40	5	4	2	A	
W5LML (N2HNU,K5BKT,KA5JIA, KB5UMH,KC5JAJ,KJ5PL,N5ZXJ, WB5T7Y,ops)	96,300	642	75	24	A	N6TCZ	132	11	6	2	A	WA7FOE	175,560	1140	77	23	B	
N5VHO (+KB5ZLJ,KC5Cs ALW,AOH, WD5FCA)	31,416	231	68	24	A	AB6FO	216,216	1404	77	24	B	W7LZP	93,324	606	77	24	B	
Oklahoma	WA9FCT	44,092	302	73	18	W6UE	208,054	1351	77	19	A	K9JF	88,858	577	77	9	B	
WT5ZN	29,184	192	76	17	A	N6MI	172,950	1153	75	21	B	N7DOE	10,980	546	65	10	B	
KB5STS	18,476	149	62	17	A	KM6YX	148,610	965	77	23	B	K7E7W	15,370	145	53	10	B	
KB5IRL	18,054	153	59	11	A	N6KDV	110,110	715	77	23	B	W7DK (AJ7R,K7KVZ,KC7s AUT, BAE,DKH,N7s QWH,VGO, WB7AUJ,ops)	34,914	253	69	22	A	
KK5AJ	12,688	122	52	24	A	W6SX	972	27	18	1	B	W7DN	17,112	138	62	17	A	
W5CCP (AH9B,op)	270,578	1757	77	22	B	N8SR	180	10	9	1	B	N7PLJ	11,070	123	45	6	A	
KM5H	78,384	552	71	4	B	WA6SNG (+N6TDZ,W6KAT,WB6JBL)	57,000	380	75	24	A	N7IE	4,620	66	35	24	A	
AB5I	77,000	500	77	24	B	KB6ATT (+KN6SE)	38,628	261	74	24	A	KB7M	67,636	457	74	18	B	
NJ1V (+K1TO,KB5BOB,N5RJM,WV5S)	294,448	1912	77	23	B	KG6VI (+NET)	29,638	203	73	19	B	N7SDI (+KC7BQR,N7UFJ)	2,166	57	19	14	A	
N5FF (+KB5QXJ,KC5HZJ,N5HEL, KA0RNY)	66,000	440	75	24	A	W6TKV	111,804	726	77	22	B	8						
WD0GTY (+KB5TOT,WB0ZWW)	38,624	272	71	20	A	N6EE (+NET)	102,300	682	75	21	B	Michigan						
KJ0W (+N5SAM)	15,698	167	47	24	A	NR6N (+W6XH)	48,356	314	77	15	A	KB7IR (+N7CID,N7XS)	210,980	1370	77	24	B	
KB1ZQ (+N1LPN)	10,400	100	52	24	A	W6DPD (+NET)	27,600	200	69	18	A	W7AVD	219,912	1428	77	24	B	
South Texas	WB5CRG	110,264	716	77	17	A	KG6OB (+N6LKF)	11,280	120	47	8	A	W1TR	28,428	206	69	9	B
WA5TOS	99,864	657	76	16	A	W6NTR	9,152	104	44	16	A	K7IR (+N7CID,N7XS)	210,980	1370	77	24	B	
K1TU	81,776	538	76	24	A	K6BVE	5,000	50	10	A	W6AVD	219,912	1428	77	24	B		
AB5OK	61,064	449	68	15	A	WA9NFO	580	20	14	1	A	W1TR	28,428	206	69	9	B	
KB5RUG	46,968	309	76	24	A	K6HRT	154,462	1003	77	22	B	K7IR (+N7CID,N7XS)	210,980	1370	77	24	B	
WA5IVX	44,162	311	71	14	A	N4EA/E	154,462	1003	77	21	B	W7AVD	219,912	1428	77	24	B	
W5ZQ	31,088	232	67	5	A	W6ISA (W6UQF,op)	141,988	922	77	22	B	W1TR	28,428	206	69	9	B	
KK5DO	18,620	133	70	24	A	W6TKV	129,944	878	74	23	B	K7IR (+N7CID,N7XS)	210,980	1370	77	24	B	
WA5ABR	18,232	172	53	24	A	N6CU	72,864	506	72	10	B	W6AVD	219,912	1428	77	24	B	
N5KAE	13,000	100	65	10	A	NW6S	61,600	400	77	11	B	W1TR	28,428	206	69	9	B	
N5JWL	11,200	100	56	9	A	W6HT	15,100	151	50	8	B	K7IR (+N7CID,N7XS)	210,980	1370	77	24	B	
KJ5JT	7,392	88	42	12	A	W6GFR	11,220	110	51	10	A	W6AVD	219,912	1428	77	24	B	
W5KFT (WB5VLP,op)	336,798	2187	77	24	B	W6EEN (+K6XC,KA6SAR,WA6OTU)	324,478	2107	77	24	B	W1TR	28,428	206	69	9	B	
AA5BL	323,092	2098	77	24	B	KE6CF (+KF6QK,KM6HB,N6RPL)	194,502	1263	77	24	B	K7IR (+N7CID,N7XS)	210,980	1370	77	24	B	
W5ASP	106,400	700	76	10	B	K6RUB (KD6VW,KE6ZGZ,ops)	36,354	249	73	17	A	W6AVD	219,912	1428	77	24	B	
W5VX	102,346	701	73	6	B	N6VMF	40,470	285	71	17	Q	W1TR	28,428	206	69	9	B	
AB5SS	92,416	608	76	16	B	W6EQU	107,464	707	76	24	A	K7IR (+N7CID,N7XS)	210,980	1370	77	24	B	
K13L	74,760	534	70	5	B	W6PYX	55,796	377	74	22	A	W6AVD	219,912	1428	77	24	B	
K5EC	65,296	424	77	24	B	N6YBZ	8,976	102	44	8	A	W1TR	28,428	206	69	9	B	
W5XD	36,180	270	67	8	B	W6KPB	6,068	74	41	5	A	K7IR (+N7CID,N7XS)	210,980	1370	77	24	B	
K15OO	34,804	226	77	16	B	KM6SE	4,270	61	35	4	A	W6AVD	219,912	1428	77	24	B	
W5UFA	31,244	214	73	14	B	N6IFW	128	8	7	A	W6EHS	17,368	166	72	12	A		
W5NRP	11,660	106	55	6	B	W6FEA	252,098	1637	77	24	B	W6AVD	219,912	1428	77	24	B	
N5NNM (+KB5s NFZ,ZFO,N5NMY)	235,158	1527	77	24	B	W6A6VUE	245,168	1592	77	24	B	W6AVD	219,912	1428	77	24	B	
KB5YVT (KB5s UHS,URQ,KC5s BAK, JRJ,ops)	200,662	1303	77	23	B	AB6JL	236,236	154	77	24	B	W6AVD	219,912	1428	77	24	B	
WA5DXW (+A85s KK,TW,K5ZTY, K5AKAG,KB5s FZK,HTX,WP,SGV, ZKO,KC5JLN,K5IP,N5NSX,WAS5AJ)	170,696	1123	76	23	B	N6TU	150,000	1000	77	23	B	W6AVD	219,912	1428	77	24	B	
KB5SIU (+N5s QVS,RBC)	36,960	240	77	16	A	AC6DQJ	101,640	666	70	21	B	W6AVD	219,912	1428	77	24	B	
KC5BJI (+WA3PAJ)	34,848	242	72	21	B	W6SUN	90,132	609	74	19	B	W6AVD	219,912	1428	77	24	B	
KC5BJI (+WA3PAJ)	34,638	251	69	24	B	K6FO	35,490	273	65	15	B	W6AVD	219,912	1428	77	24	B	
W6REC (+NET)	100,100	650	77	11	B	W6YKM	1,276	29	22	1	B	W6AVD	219,912	1428	77	24	B	
West Texas	W5SR	89,244	603	74	21	A	NV6O (+KF6KA,KN6OX,N6SNQ,KH8I)	197,428	1282	77	24	B	W6AVD	219,912	1428	77	24	B
AB5WB	40,020	290	69	19	A	K6SG (+KV6H)	191,114	1241	77	24	B	W6AVD	219,912	1428	77	24	B	
KB5LMB	19,008	176	54	16	A	AA6WJ (+KJ6TC)	101,114	1241	77	24	B	W6AVD	219,912	1428	77	24	B	
N5NA	18,600	155	60	6	A	W6KMM	177,254	1151	77	24	B	W6AVD	219,912	1428	77	24	B	
N6RZ	285,054	1851	77	18	B	K6KM	111,496	724	77	18	B	W6AVD	219,912	1428	77	24	B	
6	W6REC (+NET)	100,100	650	77	11	B	W6CF	1,276	29	22	1	B	W6AVD	219,912	1428	77	24	B
East Bay	W6GRJ	42,912	298	72	15	A	San Diego	30,660	210	73	21	Q	W6CFL	177,100	1150	77	24	A
N6PN	26,384	194	68	17	A	W6CN	30,660	210	73	21	Q	W6OAT (+NET)	24,656	184	67	24	B	
WB6DSV	20,336	164	62	7	A	K6ZH	100,200	668	75	13	A	AB6EQ (+KD6NOS)	103,026	669	77	24	B	
N6PE	9,240	105	44	7	A	K6XT	35,840	280	64	8	A	W6AVD	101,640	660	77	18	A	
KK6WT	8,968	118	38	12	A	AA6EE	16,756	142	59	8	A	W6AVD	101,640	660	77	18	A	
WB6ETY	1,088	32</td																

