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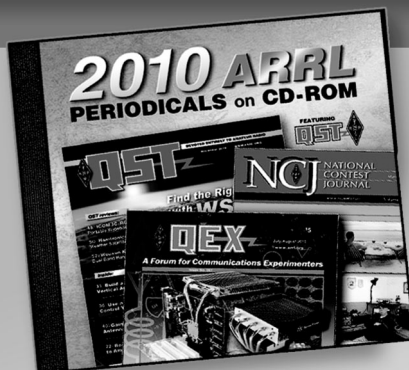
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Author: Billy Lunt, KR1R

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1996 ARRL November Sweepstakes Phone Results

By Randall A. Thompson, K5ZD
11 Hollis St
Uxbridge, MA 01569
e-mail: k5zd@contesting.com
and
Billy Lunt, KR1R
Contest Manager

Alan's body ached and his movements had become almost automatic. His blurry eyes were focused intently on the computer screen sitting above the radio. Information flowed without hesitation from the headphones directly to his fingers. After nearly 24 hours in the operating chair, he no longer had to think about the mechanics of logging each QSO.

It was the third weekend of November and Alan was nearing completion of the 1996 version of his annual love affair with the ARRL November Sweepstakes. The long exchange of number, precedence, call, check, and section was not only a challenge to copy, but to say as well. He wondered which hurt more—his throat, his ears or his back.

Despite the minor discomforts, Alan was having a blast. He was nearing a personal-best QSO total. He needed only one more section to have the Clean Sweep and earn a coffee mug. The challenge of competing against himself, other competitors, propagation, equipment failures, and a long tradition kept him coming back year after year.

With only a short time left to go, Alan began tuning for the missing section. He passed across the big signals of the high power entrants with their amazingly high numbers. With all the new vanity call signs it was hard to tell who was who. He stopped and listened to N7TR in Nevada. "That sure sounds like KI3V," he thought. A few kilohertz later he found N2IC in Colorado. He stopped for a moment to listen with N7TR in one VFO and N2IC in the other. They were in a close race and begging for every last QSO. It was like watching two thoroughbreds pounding down the stretch. Alan also heard K9RS giving out big numbers. While you could never tell exactly where everyone stood until the end of the contest, having the QSO number in the exchange made it easy to follow the progress of the leaders—as well as the competition across town.

Thinking of his competition, Alan refocused on finding the last multiplier to improve his score. "Should I call CQ and hope it comes to me, or tune and try to find it?" Alan considered. It was a strategy decision he was constantly evaluating. There were always new stations that showed up just for the fun of being fresh meat during the final hours. Some of them call CQ and let the big scorers find them, while others are content to tune up the band and answer. Alan decided to tune quickly and keep an ear out for a clear frequency where he could call CQ.

As the minutes ticked down, Alan's ex-



Mike, W5FX, at the helm of the K7UP effort in New Mexico.

citement level kept rising. With each QSO added to the log he raised his personal-best for *contacts*, but still needed that last multiplier to accomplish a personal-best *score*. His eyes narrowed and the minor aches and pains were completely forgotten. Alan really wanted to add to his set of Clean Sweep coffee mugs and he was trying everything he could think of to entice that last section into his log. "This," thought Alan, "is fun!"

High Power Category

Yes, Alan, N7TR is the new call sign of Rich, KI3V, perennial top-ten ace and former SS phone champion (1993). Rich initiated his new call sign in a big way with a narrow victory in the high power category. Rich started off with 173 QSOs in the first hour of the contest and his first six hours were each over 100 – that's some fast talking!

Right on his tail the entire way was another prior SS phone winner Steve, N2IC. Steve had a personal-best 175 QSOs in the first hour and was never more than 25 QSOs behind Rich throughout the contest. After finishing second last year, Steve had high hopes

to move into the top spot this time. Perhaps not having a new call sign to debut was the difference.

Third place went to Steve's WRTC-96 operating partner, Dave, K6LL. Every year Dave makes incredible scores from his Arizona home using just a tribander and wire antennas. Over the last 10 years, he has national finishes of third, third, fourth, fourth, third, fourth, second, second, sixth and third. This amazing record of performance deserves a first-place finish—maybe next year.

Jon, N5JA (ex-AA5BL), put a shine on his new call sign by fighting through a series of broken antennas and unheard alarm clocks to repeat his fourth-place finish of a year ago. He had over 1000 QSOs on both 20 and 40 meters, which is probably the first time this double has ever occurred in the SS.

Gary, VE7NTT, piloted VE7SZ to fifth place and the first appearance of a Canadian entry to the top ten in over 10 years! Todd, WD0T, operated W0SD to the exact same score as last year and moved up a place to sixth. George, WB5VZL, introduced his new K5TR call to finish seventh.

Top Ten

Single Operator, QRP

| | |
|-------|---------|
| W7YAO | 104,720 |
| K5ED | 85,500 |
| N7MZW | 69,864 |
| K7MM | 62,928 |
| K5HD | 56,672 |
| K5OT | 55,328 |
| AA7VY | 52,052 |
| W1VT | 51,208 |
| KD2TT | 50,100 |
| KX9X | 48,706 |

Single Operator, Low Power

| | |
|------------------|---------|
| WP2Z (K8MJZ, op) | 243,320 |
| VE4GV | 231,770 |
| K7FR | 225,888 |
| K7OO | 225,264 |
| NA5S (KE5CV, op) | 221,052 |
| KK9A | 216,528 |
| W7ZRC | 215,748 |
| N0AT | 213,096 |
| N5DX | 207,792 |
| WA4ZXA | 191,568 |

Single Operator, High Power

| | |
|--------------------|---------|
| N7TR | 354,276 |
| N2IC | 352,092 |
| K6LL | 338,364 |
| N5JA | 330,564 |
| VE7SZ (VE7NTT, op) | 325,260 |
| W0SD (WD0T, op) | 321,048 |
| K5TR (at W5KFT) | 319,550 |
| K5RX | 309,192 |
| N5KA (at N3BB) | 306,228 |
| K4VX (K9PG, op) | 297,492 |

Multioperator

| | |
|-------|---------|
| K9RS | 355,524 |
| W5WMU | 326,664 |
| KW8N | 325,728 |
| K6RCC | 323,388 |
| W3GH | 319,176 |
| W4WA | 303,108 |
| N4ZZ | 292,344 |
| W7GG | 282,828 |
| K0TQ | 278,148 |
| K5MR | 268,320 |

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) | | |
|--|---------|---|--|---------|---|---|---------|---|--|---------|---|--|---------|---|
| W1VT | 51,208 | Q | K5IID | 56,672 | Q | KX9X | 48,706 | Q | K5ED | 85,500 | Q | W7YAO | 104,720 | Q |
| KD2TT | 50,100 | Q | KT4LD | 39,936 | Q | WA8RJF | 31,950 | Q | N7MZW | 69,864 | Q | K7MM | 62,928 | Q |
| W2CE | 32,412 | Q | KS4DU | 12,036 | Q | K8LJQ | 19,440 | Q | K5OT | 55,328 | Q | AA7VY | 52,052 | Q |
| WZ2T | 25,172 | Q | | | | N8JM | 12,600 | Q | AB5WB | 45,440 | Q | W6CN | 35,520 | Q |
| N3IGA | 23,048 | Q | | | | W9DZ | 12,400 | Q | W0CO | 42,624 | Q | K7RAT | 34,272 | Q |
| | | | | | | | | | | | | (N6TR,op) | | |
| K1RA | 174,096 | A | WP2Z | 243,320 | A | KK9A | 216,528 | A | VE4GV | 231,770 | A | K7FR | 225,888 | A |
| KZ1M | 171,444 | A | (K8MJZ,op) | | | W8MJ | 190,632 | A | NA5S | 221,052 | A | K7QQ | 225,264 | A |
| N5OKR/3 | 120,900 | A | N5DX | 207,792 | A | K8JZ | 175,656 | A | (KE5CV,op) | | | W7ZRC | 215,748 | A |
| W2EQ | 119,016 | A | WA4ZXA | 191,568 | A | WA0AVL | 133,848 | A | N0AT | 213,096 | A | VA6JO | 180,180 | A |
| WA3HAE | 115,284 | A | AB5SE | 144,760 | A | WA1UJU | 131,516 | A | WA0X | 181,272 | A | K6RO | 170,352 | A |
| | | | W04O | 123,864 | A | | | | K7CF | 168,636 | A | | | |
| | | | | | | | | | | | | | | |
| WB2K | 280,332 | B | K4AB | 282,828 | B | WE9V | 292,344 | B | N2IC | 352,092 | B | N7TR | 354,276 | B |
| K3MM | 256,308 | B | K4VUD | 274,092 | B | (at KS9K) | | | N5JA | 330,564 | B | K6LL | 338,364 | B |
| WB1GQR | 250,068 | B | N4UK | 265,696 | B | K8CC | 272,064 | B | W0SD | 321,048 | B | VE7SZ | 325,260 | B |
| (W1SJ,op) | | | K4ZA | 259,428 | B | (K9TM,op) | | | (WD0T,op) | | | (VE7NTT,op) | | |
| AB2E | 226,200 | B | W4MYA | 255,528 | B | AA8U | 247,572 | B | K5TR | 319,550 | B | WC6H | 292,138 | B |
| KQ2M | 204,000 | B | | | | K9BGL | 234,780 | B | (at W5KFT) | | | W7RM | 291,564 | B |
| | | | | | | K8MZ | 223,860 | B | K5RX | 309,192 | B | (K7ST,op) | | |
| | | | | | | | | | | | | | | |
| W3GH | 319,176 | M | W5WMU | 326,664 | M | KW8N | 325,728 | M | K9RS | 355,524 | M | K6RCC | 323,388 | M |
| K3CR | 261,612 | M | W4WA | 303,108 | M | NU8Z | 246,480 | M | K0TQ | 278,148 | M | W7GG | 282,828 | M |
| KE3Q | 254,592 | M | N4ZZ | 292,344 | M | KG8CW | 233,064 | M | K5MR | 268,320 | M | N6KI | 265,512 | M |
| K1NG | 240,396 | M | N4CM | 238,524 | M | W8JJ | 200,460 | M | K5DU | 242,112 | M | K7IR | 254,592 | M |
| K1RQ | 230,880 | M | K1GG | 222,456 | M | N9QX | 195,624 | M | W0GG | 204,516 | M | W6UE | 245,856 | M |

The notable scores from "back east" were WE9V, who finished 12th, and WB2K in 18th place. Without the short skip of the past two years and the long skip on 75 meters after dark, the East Coast had none of the tools it needed to keep up with the south and west.

Low Power Category

Victory in the low power competition was a classic battle between warm tropical breezes and frigid blowing snow. Stan, K8MJZ, headed south from his Michigan home to operate WP2Z in the Virgin Islands. This was the same station that K8HVT used to win the CW low power category just two weeks earlier. Stan made most of his contacts on 15 meters, where he enjoyed a significant propagation advantage and low QRM. Too bad he missed nearby KP4 for the Sweep!

Meanwhile, last year's low power champion Rob, VE4GV, was just trying to keep his antennas pointing the correct direction in a snowstorm and 60 mph winds. He blames missing KH6 on not being able to get the beam to turn past north because of the wind. Rob made all but 12 of his contacts on 20 and 40 meters, to finish in second place.

The race for third was an exciting photo finish between Gary, K7FR, in Eastern Washington and Rex, K7QQ, in Western Washington. After 24 hours of intense operating, they ended up only four contacts apart! Gary achieved a personal-best score and beat one of his contesting heroes. As he put it, "This was absolutely the best SS ever!" Rex won the low power category back in 1993 and is sure to request a rematch. Competition is what contesting is all about.

Fifth place went to Mike, KE5CV, operating NA5S in North Texas. KK9A submitted the best score from the "black hole" of the Midwest and earned the number six spot. Special recognition is due to Jim, WA4ZXA,



Jean, AA8KI, and Peg, KB8NPA, (l-r, standing) look on as Judy, KC8BOM; Byrness, W8LE(hidden); and Carol, KB8VYB (seated, foreground); operate the Buckeye Belles station, W8MBI.

who finished in tenth place. Not only did he have the best score from the eastern half of the country, but did it while operating under the influence of medication to fight the pain of a kidney stone. Ouch!

QRP Category

The QRP category went to the guy who wanted it the most. Bob, W7YAO, operated the full 24 hours allowed by the rules to earn the victory. Bob is an experienced SS QRP entrant who moved up from finishing third last year. Even though he missed Maritime for the Sweep, a healthy QSO advantage allowed him to cruise in for a clear victory. K5ED operated only 18 hours and missed two sections, but still captured enough QSOs to finish second. Charles, N7MZW, took advantage of being in the relatively rare Wyoming Section to finish third, just ahead of K7MM in Eastern Washington. Best score from the Northeast was Zack, W1VT, who finished in eighth, a bit ahead of KD2TT. No one in the

QRP top ten managed to capture a Clean Sweep of all sections.

Multi-Operator Category

The multi-operator champion was again the team at K9RS—for the third year in a row! With their dynasty ended on CW (where they use the call sign AA5B), the New Mexico boys are now the ones to beat on phone. Second place belongs to W5WMU in Louisiana, who moved into the multi-op category for the first time after many years of high power single op success. The KW8N gang in Ohio takes third, just ahead of the River City Contesters at K6RCC.

Regional Competition

In the Northeast region, K1RA dominated the low power category. WB2K operated from K2WK to win high power with a personal-best score. W3GH took the region's multi-op honors for the fourth time in a row.

Down in the Southeast, WP2Z got by newcomer N5DX for low power. K4AB won high power over a super-competitive pack of ops. W4WA and N4ZZ gave chase to W5WMU in the multi-op category.

The Central region featured KK9A's nice low power score, with W8MJ not far behind. WE9V operating at KS9K and K9TM at K8CC duplicated their one-two finish of a year ago. KW8N continued to dominate multi-op for the region.

In the Midwest, all five members of the high power box also made the national top ten! N0AT, K0HB, and N0IJ had a friendly competition and all finished within a few QSOs. N0AT gets the moral victory and bragging rights, since he was running only low power. This region had the best collection of QRP scores.

Out West there were some real shootouts! K7FR took low power honors. N7TR led the high power race over Arizona "sharpshooter"

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 Phone | W7YAO | ARRL | QRP Phone | K7MM | Steve Morris, K7LXC, and Tower Tech |
| Low Power Phone | WP2Z (K8MJZ,op) | ARRL | Low Power Phone | K7FR | |
| High Power Phone | N7TR | Carl Cook, AI6V | High Power Phone | N9ITX/7 | |
| Multioperator Phone | K9RS | Central Texas DX & Contest Club | Multioperator Phone | W7GG | |
| Atlantic Division | | | Pacific Division | | |
| QRP Phone | W2CE | | QRP Phone | WB6FZH/KH6 | |
| Low Power Phone | K1RA | Potomac Valley Radio Club | Low Power Phone | W6PYX | Jim Hollenback, WA6SDM |
| High Power Phone | K3MM | North Coast Contesters | High Power Phone | WC6H | Richard Hallman, N7TR |
| Multioperator Phone | W3GH | Mark Sickmeyer, KB3GJ, Memorial | Multioperator Phone | K6RCC | |
| Central Division | | | Roanoke Division | | |
| QRP Phone | KX9X | | QRP Phone | K5HD | |
| Low Power Phone | KK9A | Society of Midwest Contesters | Low Power Phone | WA4ZXA | Jim Stevens, K4MA |
| High Power Phone | WE9V (at KS9K) | | High Power Phone | N4UK | Potomac Valley Radio Club |
| Multioperator Phone | N9QX | | Multioperator Phone | K1GG | Shenandoah Valley ARC |
| Dakota Division | | | Rocky Mountain Division | | |
| QRP Phone | W0YHE | Tod Olson, K0TO | QRP Phone | N7MZW | |
| Low Power Phone | N0AT | Twin City FM Club | Low Power Phone | K7CF | |
| High Power Phone | W0SD (WD0T,op) | Minnesota Wireless Assn, W0AA | High Power Phone | N2IC | |
| Multioperator Phone | KR0B | Minnesota Wireless Assn, W0AA | Multioperator Phone | W0GG | |
| Delta Division | | | Southeastern Division | | |
| QRP Phone | | | QRP Phone | | |
| Low Power Phone | N5DX | Pat Sonnier, W5WMU | Low Power Phone | KD3GC | |
| High Power Phone | WA5OYU | | High Power Phone | K4AB | |
| Multioperator Phone | W5WMU | | Multioperator Phone | W4WA | |
| Great Lakes Division | | | Southwestern Division | | |
| QRP Phone | WA8RJR | | QRP Phone | AA7VY | Ray Day, N6HE, and Donna Day, N6HTH |
| Low Power Phone | W8MJ | Mad River Radio Club | Low Power Phone | K6RO | |
| High Power Phone | K8CC (K9TM,op) | North Coast Contesters | High Power Phone | K6LL | |
| Multioperator Phone | KW8N | | Multioperator Phone | N6KI | |
| Hudson Division | | | West Gulf Division | | |
| QRP Phone | KD2TT | | QRP Phone | K5ED | |
| Low Power Phone | W2EQ | Troy ARA | Low Power Phone | NA5S | D. Craig Boyer, AH9B |
| High Power Phone | WB2K | John Hults, K2WJ | High Power Phone | N5JA | Leo E. Oyler Jr, W0GOW—W5RO |
| Multioperator Phone | KY2J | Hudson Valley Contesters and DXers | Multioperator Phone | K5MR | Memorial Oklahoma DX Assn |
| Midwest Division | | | Canada | | |
| QRP Phone | N0EID | | QRP Phone | VE6GK | |
| Low Power Phone | WA0X | | Low Power Phone | VE4GV | Sam Ferris, VE5SF |
| High Power Phone | K4VX (K9PG,op) | | High Power Phone | VE7SC | D. Craig Boyer, AH9B |
| Multioperator Phone | K0TQ | | Multioperator Phone | VA6JY | |
| New England Division | | | | | |
| QRP Phone | W1VT | | | | |
| Low Power Phone | K1VUT | | | | |
| High Power Phone | WB1GQR (W1SJ,op) | Ed Parsons, K1TR | | | |
| Multioperator Phone | K1NG | | | | |

Third Annual Collegiate Championship

The 1996 Collegiate Championships was again held during the ARRL Sweepstakes. This year's event saw two new champions take top billing, with Penn State University, K3CR, taking the Phone and Combined categories, while Caltech, W6UE, was tops on CW.

School participation was up dramatically from last year, with 19 entries on CW and 25 on phone. If you would like to see the Collegiate Championship become an official category of the November Sweepstakes, contact your Contest Advisory Committee representative. For more information and complete results contact Robert Barron, Box 180703, Austin, TX 78718; e-mail barron@liant.com.

Top CW Scores

| Call Sign | School | Score | Conference |
|-----------|--------------------------|---------|------------|
| W6UE | Caltech | 118,872 | |
| N4YDU | North Carolina-Charlotte | 113,616 | ConfUSA |
| K3CR | Penn State | 112,200 | Big10 |
| W5EHM | Univ of Texas | 103,500 | Big12 |
| W4ATC | North Carolina State U | 91,200 | ACC |
| W8EDU | Case Western Reserve U | 88,242 | |

Top Phone Scores

| Call Sign | School | Score | Conference |
|-----------|------------------|---------|------------|
| K3CR | Penn State | 261,612 | Big10 |
| W6UE | Caltech | 245,856 | |
| W5EHM | Univ of Texas | 194,688 | Big12 |
| W5YM | Univ of Arkansas | 145,704 | SEC |
| W1YK | Worcester Poly | 139,152 | |
| W6BHZ | California Poly | 137,060 | BigWest |

Top Combined Scores

| Call Sign | School | CW | Phone | Total |
|-----------|----------------------|------|-------|-------|
| K3CR | Penn State | 944 | 1000 | 1944 |
| W6UE | Caltech | 1000 | 940 | 1940 |
| W5EHM | Univ of Texas | 871 | 744 | 1615 |
| W4ATC | North Carolina State | 767 | 431 | 1198 |
| W3EAX | Univ of Maryland | 618 | 322 | 940 |
| W6BHZ | California Poly | 236 | 524 | 760 |

Other schools ranked in the combined scores included Baylor University, KC5OJY; University of Idaho, W7UQ; University of Chicago, W09S; University of Wisconsin-Milwaukee, WB9JBF; University of Arkansas, W5YM; Harvard, W1AF; Purdue, W9YB; University of Missouri-Rolla, W0EEE; and University of Delaware, WA3GAY.

K6LL. It's nice to see W7RM's call sign appear in the results, this time with "hired gun" K7ST. Multi-op was a showdown between K6RCC (W6GO in disguise) and W7GG (the new call for AI7B).

Club Competition

The Potomac Valley Radio Club turned out an incredible 117 entries to win the Unlimited category of the Affiliated Club Competition. They broke the four-year winning streak of the Northern California Contest Club, which finished second. The rejuvenated Yankee Clipper Contest Club was a strong third. In the Medium club category, the Society of Midwest Contesters bested the North Texas Contest Club in a close race. In the Local category, perennial winner River City Contesters took top honors. Look out for the Central Texas DXers and Contesters, who achieved second place in their first Sweepstakes club entry.

Final Notes

ARRL HQ received 1481 phone entries, consisting of 1162 single operators, 305 multiops, and 14 checklogs. Of the single ops, we had 57 QRP, 796 "A power" (<150 W), and 309 "B power" logs. Special congratulations to all that earned a Participation in No-

Affiliated Club Competition

| | Score | Entries | CW Winner | Phone Winner | | Score | Entries | CW Winner | Phone Winner |
|-----------------------------------|-----------|---------|-----------------|-----------------|---|-----------|---------|----------------|------------------|
| Unlimited Category | | | | | Schenectady ARA | 265,008 | 6 | K2UF | K2UF |
| Potomac Valley Radio Club | 8,875,578 | 117 | KE3Q | K3MM | Roanoke Valley ARC | 264,914 | 12 | K4UK | K4PK |
| Northern California Contest Club | 7,409,132 | 77 | N6RO | N7TR | Fon du Lac ARC | 234,592 | 6 | W9MSE | ND9O |
| Yankee Clipper Contest Club | 6,106,238 | 83 | W2PV (WZ1R,op) | KC1F | Southwest Ohio DX Assn | 223,462 | 4 | KF8GE | KF8GE |
| Mad River Radio Club | 4,893,534 | 52 | K8CC | K8CC (K9TM,op) | Eastern Iowa DX Assn | 220,618 | 4 | KK9W | W0OF |
| Medium Category | | | | | Southern California DX Club | 215,608 | 4 | W6HT | K6RO |
| Society of Midwest Contesters | 4,819,536 | 43 | W0SD (WD0T,op) | W0SD (WD0T,op) | Massasoit ARA | 206,036 | 3 | K1VUT | K1VUT |
| North Texas Contest Club | 4,341,988 | 32 | KR0Y | N5JA | Western New York DX Assn | 198,448 | 6 | KW2J | WB2WPM |
| Southern California Contest Club | 3,032,874 | 23 | K6LL | K6LL | Highland ARA | 197,258 | 6 | KJ8I | KJ8I |
| Frankford Radio Club | 2,944,784 | 40 | N2MM | WB2K | Ozaukee Radio Club | 185,070 | 5 | W9LO | K9CAN |
| Minnesota Wireless Assn | 2,633,264 | 25 | K0JL | N0AT | Colorado QRP Club | 174,048 | 3 | K0FRP | — |
| Texas DX Society | 2,314,846 | 21 | N5JJ (K5GA,op) | W5ASP | Livingston ARK | 147,012 | 4 | W0BNFX | WW6I |
| North Coast Contesters | 2,131,830 | 24 | VE3EJ (NJ2L,op) | K8BL | Mother Lode DX/Contest Club | 144,888 | 4 | K6BPB | WE9A |
| Kentucky Contest Group | 2,110,814 | 29 | N4AR | W9AU | Fresno ARC | 138,786 | 5 | WB6ITM | KM0R |
| Florida Contest Group | 1,864,934 | 25 | N4BP | K4VUD | Mississippi Valley DX/Contest Club | 133,326 | 5 | KM0R | KM0R |
| Rochester (NY) DX Assn | 1,643,202 | 27 | W2TZ | W6XR | Northern New York Contest Club | 119,852 | 8 | N2MD | K2TNW |
| Western Washington DX Club | 1,571,720 | 16 | NN7L (NL7GP,op) | W7RM (K7ST,op) | Gwinnett ARS | 117,056 | 3 | AJ1T | KD3GC |
| Mile High DX Assn | 1,231,598 | 11 | K0KR | K0KE | Sheboygan County ARC | 110,848 | 3 | AA9RB | K9XJ |
| Hudson Valley Contesters and DXer | 1,230,672 | 11 | NA2N | N2NFG | Brockport ARK | 108,446 | 5 | N2WK | KG2BW |
| Woodbridge Wireless | 1,119,530 | 18 | WB4RDV | KJ4VG | OH-KY-IN ARS | 105,236 | 5 | — | WA6EZV |
| Weekend Warriors | 1,072,356 | 10 | WA3HAE | WA3HAE | Troy ARA | 81,732 | 4 | AA2WQ | KF2WA |
| Willamette Valley DX Club | 1,007,916 | 8 | W7RM (AA7NX,op) | K9JF | Outlaw Wireless League | 69,618 | 4 | WT3H | WB3AAL |
| Tennessee Contest Group | 887,736 | 5 | N4ZZ | — | Lynchburg ARC | 69,018 | 3 | WB4ZPF | WB4ZPF |
| New Mexico Big River Contest Club | 853,326 | 3 | — | K2EI | Wichita ARC | 61,112 | 3 | KF0M | N10S |
| Salt City DX Assn | 751,364 | 11 | K2KIR | AJ3K | Green Valley ARC | 22,510 | 3 | — | W7ZT |
| Southeastern DX Club | 739,336 | 9 | W4BTZ | N4UK | Local Category | | | | |
| Oklahoma DX Assn | 690,098 | 9 | K5YAA | K5KA | River City Contesters | 1,896,224 | 10 | W6GO (N6IG,op) | — |
| Nashville ARC | 655,174 | 4 | WA6KUI | W04O | Central Texas DX and Contest Club | 1,063,546 | 10 | K5NA | N5KA (at N3BB) |
| Murphy's Marauders | 625,940 | 15 | K1RM | NQ1K | Central Arizona DX Assn | 953,486 | 7 | KY7M | W7ZMD |
| Northwest ARS | 615,334 | 16 | N5BA | K5NZ | Federation of Amateur Radio Operators | 737,782 | 7 | K9BGL | K9BGL |
| Motor City Radio Club | 594,626 | 37 | K8RDJ | K8RDJ | Carolina DX Assn | 565,754 | 4 | — | K4ZA |
| Kansas City DX Club | 529,288 | 4 | KM0L | KM0L | Great Falls Area ARC | 317,080 | 3 | AA7BG | KJ7VP |
| Grand Mesa Contesters | 527,696 | 8 | N0ZA | KB0UGE | Vicksburg ARC | 239,424 | 5 | W5XX | N5QDE |
| Murgas ARC | 475,672 | 11 | WA3YON | WB3FAA | West Park Radiops | 215,188 | 9 | W8PN | WD8AJF |
| AK-SAR-BEN | 460,298 | 11 | NV3L | K9RZ | Eastern Connecticut ARA | 207,588 | 4 | N1OPZ | K21M |
| Lincoln ARC | 455,760 | 3 | KB0JSU | — | Orange Park ARC | 155,638 | 4 | W5HUQ | K2DF |
| South Jersey Radio Assn | 433,014 | 15 | W2ESX | N2FY | Baton Rouge ARC | 153,476 | 4 | KC5ZZ | N5SMQ |
| Northrop Grumman Radio Club | 432,800 | 8 | K6HRT | W6CN | CT RI Contest Group | 142,810 | 5 | N1HRA | N1RJF |
| Radio Club of Tacoma | 399,930 | 11 | N7ETC | N7DOE | Mike and Key ARC | 136,338 | 4 | WA7UVJ | WA7UVJ (N7WA,op) |
| Rip Van Winkle ARS | 382,514 | 12 | N2JOH | KF2LW | North Shenandoah DX Assn | 123,268 | 4 | N4MM | N4MM |
| Twin City Ham Club | 370,674 | 4 | — | N5MYH | Hamfesters Radio Club | 116,836 | 5 | W9LNQ | AK9Y |
| Valley Radio Club of Eugene | 370,158 | 7 | K7DBV | A17W | East Coast DX Assn | 102,024 | 3 | — | WB2RQX |
| Central Michigan ARC | 355,046 | 13 | W8TJQ | KC8CY | Sturdy Memorial Hospital ARC | 96,318 | 3 | W21K | W21K |
| Providence Radio Assn | 300,482 | 6 | K1VSJ | W1OP (K1PLX,op) | Sterling Park ARC | 87,926 | 3 | KAGEL | W2YE |
| Northern Arizona DX Assn | 299,888 | 9 | W7YS | NF7E | American Red Cross Emergency Communications Service | 73,116 | 4 | — | WB2AYQ |
| Hazel Park ARC | 266,328 | 17 | WD8S | WD8S | Poinsettia ARC | 66,658 | 7 | W6BKY | W6BKY |
| Long Island Mobile ARC | 266,150 | 7 | K2AU | KS2G | Old Barney ARC | 63,970 | 5 | N2OO | N2OO |
| | | | | | Southern Peninsula ARK | 47,076 | 4 | N4JEO | KK4R |
| | | | | | Raleigh ARS | 44,524 | 3 | AD4PU | KE4RHU |
| | | | | | Great South Bay ARC | 41,340 | 3 | — | KA2D |

member Sweepstakes (PINS) pin! All PINS awards were mailed in January, so you should have received yours by now.

Special thanks to Administrative Assistant Sharon Taratula for her help in preparing the results. Mark your calendar now for the 1997 ARRL November Sweepstakes: CW is November 1 to 3 and Phone is November 15 to 17.

SOAPBOX

On 20 meters, I couldn't get through pileups when calling stations that were S9 + 20 dB—I had better luck with S7 signals on clear frequencies. On 40 meters, I was thrilled with Ohio and Virginia contacts QRP. Thanks to those who turned their beams to bring me through (WB6FZH/KH6). I usually don't do SSB, but I got caught up in the activity (KJ5WX). The bad news is my computer crashed 18 hours into the contest; the good news is that it was three contacts after my Clean Sweep and that it later recovered the log (K9CC). This was my first contest with the new call sign, and it sure was nice. I could even finish the exchange without gasping for breath (W4NF). My first SS and I had a blast. (VY2LI). Fifteen meters was in fantastic shape Sunday afternoon. Even without 20 meters, I worked 62 sections in eight hours (AA9RB). I need a new call sign; no one gets this one right (AC4OC). Had to use a standby rig with hand mike. The ice storm froze the Yagi to NW and raised the SWR on all my antennas; when it melted, the power blips reset the computer for a while. Is that enough excuses? (K0BJ). The "honey do" list included getting my wife's car inspected, handling the storm windows, and going to the doctor. Still I squeezed in 12+ hours. What a contest! (KD3VX). My first-ever Sweep...and it felt good (N1NQD). Finally—a



Is this picture before or after the contest? Bob, W7LRD, still looks refreshed and ready to go.

Clean Sweep (K9QYC). I woke up on Sunday morning with a kidney stone. Went to the ER and came back and finished the contest. It cost me two hours operating time and stopped me from breaking 200k. I feel I deserve the Ironman Award at least for this test (WA4ZXA). Once again, I missed the sweep by one section; this time it was North Dakota. Special thanks to the neighbors for letting me "string" the 40 and 80 meter wires across their yards (WA3SES). As it is each year, SS was a lot of fun. This year was even more special, as I have a new vanity call sign (K1GG). An incredible luxury to have a short call sign! What a difference from CW—I could find Wyoming. More Wyoming than Montana this time, as a matter of fact (N4AF). The closest I have been to a Clean Sweep. I hope that, next year, I can qualify for that Clean Sweep coffee mug (VE6DBH). We drove over 500 miles to ND,

survived and operated a portable station through a blizzard, and had a very good time. We want to thank the ARRL for running this contest (K10BZ). Once again foiled by Alaska, Quebec and the Yukon (AD4DG). Being a little gun is still fun. The big stations are looking for you. But by Sunday night, the contacts were extremely hard to come by (AA9RK). First contest with my new call sign. Many fewer requests to repeat my section than when I was K8JLF. I also learned what other call signs K1HT can be confused with (K1HT). Where were Northern New York, Quebec and Delaware? I was those three short of a Clean Sweep...but not bad, considering this was the first time I really attempted to win the coveted coffee mug. I was wishing for that mug to be delivered at 1300Z, full of double-cafeinated coffee (KC6VVT). First time running two radios simultaneously. Some confusing moments, but it's the way to go (K2UF). A great time was had by all. The first contact after getting up on Sunday was NP4A for the Clean Sweep. My eyes were still half closed (NU8Z). Nothing like having to check into the club net to work one's own section for a multiplier. QRP on 160, etc, was nice for laughs; in SS, it is a lesson in frustration (W2CE). Using my new call sign on the air for the first time took some getting used to. The conditions were definitely not as good from the Northwest as they were in the CW SS (K7NT). New call sign worked FB (K5ZO). Drat! I missed VY1/VE8. I was trying to do 78 sections with 78 contacts, as I couldn't spend a lot of time contesting this weekend (VE9AA). Lots of fun with my 1x2 call sign (N9CO). If I'm going to start working phone contests, I will have to get another mike. Push-to-talk with a hand mike makes computer logging a real challenge (KK4R). Halfway through the run on 40 meters Sunday, my throat became very sore. Habit got the better of me, as I hit the foot switch while making an emergency call to my wife using the shack phone. So the folks on my fre-

quency heard "CQ contest from KS4XG. Bring me a can of soda quick. I'm dying!" (KS4XG). Just searched and pounced, with limited time to operate (W8FN). I'm amazed at the number of QSOs made with poor antennas at the bottom of the cycle. Really looking forward to the operating next year, with aluminum instead of wire antennas (KQ2M). First-ever single op all-out effort for SS. After a marathon week of station/antenna rebuilding/improvements...and it all paid off (KJ4VG). Fourteen new states! Please return QSLs, gang (KT4OC). Being an older ham and a computer "illiterate" with an old XT computer, I could use lotsa practice. I hope all the attachments are the correct ones (KC3LV). Thunderstorms kept me from getting on the air until Sunday morning. Then big trouble caused me to miss QSOs Sunday afternoon (KC5OZT). After 34 years, my first SS. Great fun; I'm waiting for next year (WA5DJU). I worked three more telephones, two TVs, and one VCR toward my "RFICC." (W9UR). First serious phone SS for me in 10 years. Forty meters was very poor here in VE7, but 20 was really, really fantastic (VE7SC). Operating portable at Mount Peavine, near Reno, Nevada, at 7800 feet. In and out via four-wheel drive, which was also the operating shack. Experienced snow, freezing rain, and 50 mph winds. It was cold. It was worth it (W6LXP/7). Made a couple of tactical errors but won't ever make them again. Lots of comments about being

the last for the Sweep. Didn't think South Carolina was all that rare (N4UK). My first November SS, and I had a ball! Special thanks to N5FG in Mississippi for his patience while I battled QRM for his multiplier (KE4JZY). Achieved my goal of 100 QSOs. Enjoyed every minute of it (WA3RBK). Fifteen and 20 meters were good during the daylight hours, but nothing could be heard on 10 meters. However, the contest was still fun (VE6ATT). The goal for next year will be to increase my QSO rate by 20% (AA8R). My amplifier started arcing within the first hour. I fixed it, then it started arcing again later. Murphy was here this year (KF0GV). Was anyone operating from the Virgin Islands? (AC0E). I'm not cutthroat enough to pile in or belly up yet. But I was excited by all the adrenaline flowing and the good attitudes displayed by the contesters. I was amazed by someone who had a "flying saucer sound effect" trying to clean out a frequency (WB9YSM). It took me several dozen contacts to get used to saying my new vanity call sign (K9ARF). I worked Montana, Wyoming, Manitoba and then the Yukon within my first five QSOs of the contest. What a bumper. Now I had no excuse to miss the Sweep (N3RR). By far and away, the Sweep was a real thrill and a moment I will always remember. Thanks to Jay, VY1JA, for the Magic Moment (KK5GT). Had a blast...literally—80+ mph winds three hours into

the contest (NY5B). The extra section this year made it that much harder to get a Sweep (KB4GID). Puerto Rico must have went on strike—we never heard them (NJ5S). Five watts is a whole lot easier when you're sitting in Wyoming (N7MZW). The flu sure cuts down on operating time (NA2Q). The good news—I worked 77 sections. The bad news—this year there were 78. Where was Quebec? (KG8QL). Thank goodness for Beverage antennas; they certainly helped on 75 meters (W8MJ). Wow! What happened to 40 meters on Saturday night? (KG8CW). Unfortunately, many didn't hear me calling, with my 100 W from Northern New York. I did my best to get everyone in my log (K2NNY). It sure is sweet to work a Clean Sweep. Thanks to all! (VE3VT). This is still a fun contest, even with low sunspots (KK9A). I finally got my 16-year-old son to operate in a contest. His involvement meant more to me than the score (W4DC). A real treat for my first contact to be VY1JA (W0GG). It's amazing how stuff works until you really need it. My home-brew headset-to-radio adapter went intermittent in the second hour. Fortunately, I had a backup adapter—but who knows how many QSOs I missed before I discovered the problem? (KE4OAR). Great couple of hours on 15 meters. My local noise temporarily gone and good conditions yielded about 100 QSOs per hour for a few hours (W7ZMD).

Scores

Within each section, scores are listed in descending order, by power categories, followed by multipliers. Line scores list call sign, score, QSOs, multipliers, hours, class (Q = QRP, A = Low Power, B = High Power, M = Multioperator).

USA

1

Connecticut

| | | | | | |
|-------|--------|-----|----|----|---|
| W1VT | 51,208 | 346 | 74 | 24 | Q |
| AB1I | 18,880 | 160 | 59 | 11 | Q |
| N1KLB | 6,240 | 80 | 39 | 24 | Q |

| | | | | | |
|-------|--------|-----|----|----|---|
| W1XF | 57,760 | 380 | 76 | 14 | A |
| NX1G | 43,200 | 300 | 72 | 10 | A |
| W1EH | 36,062 | 247 | 73 | 9 | A |
| N2BOA | 34,164 | 234 | 73 | 17 | A |
| W3EP | 32,550 | 217 | 75 | 9 | A |
| AB1U | 19,154 | 157 | 61 | 8 | A |
| KE1AU | 15,360 | 128 | 60 | 8 | A |
| W1JN | 8,640 | 108 | 40 | 6 | A |
| KD1XS | 8,364 | 102 | 41 | 5 | A |
| K1KAV | 4,810 | 65 | 37 | 7 | A |
| K1DII | 2,240 | 40 | 28 | 2 | A |

| | | | | | |
|-------|---------|------|----|----|---|
| KO2M | 204,000 | 1360 | 75 | 21 | B |
| W1QK | 75,896 | 498 | 76 | 24 | B |
| NQ1K | 68,096 | 448 | 76 | 14 | B |
| N8RA | 57,884 | 418 | 69 | 9 | B |
| K1NYK | 45,240 | 348 | 65 | 9 | B |
| N1JW | 16,464 | 147 | 56 | 5 | B |
| KC1OH | 11,280 | 120 | 47 | 6 | B |

| | | | | | |
|--|---------|-----|----|----|---|
| KB1BQZ (K1JN,KA1VMG,KB1LN,KE1FK,N1HRA,ops) | 110,604 | 709 | 78 | 24 | B |
| N1NQD (+net) | 54,600 | 350 | 78 | 20 | B |

| | | | | | |
|-------------|--------|-----|----|----|---|
| W1NG (+net) | 40,716 | 261 | 78 | 24 | B |
| N1MM (+net) | 37,268 | 242 | 77 | 24 | B |

| | | | | | |
|-------------|--------|-----|----|----|---|
| N1MD (+net) | 23,856 | 168 | 71 | 24 | B |
| K1DW (+net) | 15,504 | 152 | 51 | 5 | A |

| | | | | | |
|---------------|--------|----|----|----|---|
| WA1PMA (+net) | 12,324 | 79 | 78 | 8 | B |
| WS1F (+ops) | 12,168 | 78 | 78 | 10 | B |

Eastern Massachusetts

| | | | | | |
|--------|---------|-----|----|----|---|
| K1VUT | 106,580 | 730 | 73 | 24 | A |
| K1EP | 52,592 | 346 | 76 | 23 | A |
| W1EM | 30,380 | 217 | 70 | 15 | A |
| K1HT | 27,648 | 216 | 64 | 8 | A |
| W1TI | 25,600 | 200 | 64 | 9 | A |
| W21K | 23,184 | 184 | 63 | 15 | A |
| K1SQ | 15,618 | 137 | 57 | 5 | A |
| WA1DLV | 14,416 | 136 | 53 | 6 | A |
| A1GE | 13,720 | 140 | 49 | 3 | A |
| N1OEF | 11,280 | 120 | 47 | 16 | A |
| K1HTN | 9,870 | 105 | 47 | 7 | A |
| N1CEV | 8,200 | 82 | 50 | 6 | A |
| K1UCA | 3,822 | 49 | 39 | 6 | A |
| W1SR | 2,500 | 50 | 25 | 2 | A |

| | | | | | |
|------|--------|-----|----|----|---|
| N1AU | 74,314 | 509 | 73 | 16 | B |
| N21Q | 41,138 | 307 | 67 | 7 | B |
| K1AJ | 21,460 | 185 | 58 | 2 | B |
| K1VV | 8,034 | 103 | 39 | 2 | B |

| | | | | | |
|---------------------------------------|---------|------|----|----|---|
| W1HP (K1s,KP,QA,KE1BG,N1s,BB,OEK,ops) | 204,828 | 1313 | 78 | 24 | B |
|---------------------------------------|---------|------|----|----|---|

K1TH (+net)

| | | | | | |
|------------------------------------|--------|-----|----|----|---|
| 59,736 | 393 | 76 | 10 | B | |
| N1RR (+K9NW) | 34,840 | 260 | 67 | 5 | B |
| W1AF (K01O,KC5DJM,N1s EXQ,XDB,ops) | 27,136 | 212 | 64 | 24 | A |
| W1TO (+KA1ZAK,KV1X,N1KRT) | 24,190 | 205 | 59 | 24 | A |

| | | | | | |
|----------------|--------|-----|----|----|---|
| AE1M (+net) | 23,088 | 148 | 78 | 14 | B |
| W1BP (+W1BU) | 9,000 | 100 | 45 | 12 | A |
| K9NW/1 (+N1RR) | 5,400 | 75 | 36 | 2 | B |

Maine

| | | | | | |
|-------|--------|-----|----|----|---|
| KD1O | 37,752 | 286 | 66 | 24 | A |
| W1EE | 28,544 | 223 | 64 | 19 | A |
| N1MB | 10,648 | 121 | 44 | 10 | A |
| N1LGN | 7,600 | 100 | 38 | 4 | A |

| | | | | | |
|-----------------|---------|------|----|----|---|
| K1JB | 30,820 | 230 | 67 | 6 | B |
| K1RQ (+KB1NJ1F) | 230,880 | 1480 | 78 | 24 | B |

| | | | | | |
|---|--------|-----|----|----|---|
| KS9Z/1 (+net) | 58,812 | 377 | 78 | 12 | B |
| W1EJ (+N1s JRO,KHU,YAP,XMQ,NQ1L,WA1ERJ) | 37,940 | 271 | 70 | 24 | A |

New Hampshire

| | | | | | |
|--------|--------|-----|----|----|---|
| KT1H | 15,748 | 127 | 62 | 9 | Q |
| WA1S | 74,460 | 510 | 73 | 9 | A |
| WB1GEX | 41,172 | 282 | 73 | 19 | A |
| W1SZ | 30,192 | 204 | 74 | 24 | A |

| | | | | | |
|----------------|---------|------|----|----|---|
| K1CX (KC1F,op) | 196,716 | 1261 | 78 | 14 | B |
| K1HI | 155,694 | 1011 | 77 | 20 | B |
| K1OZ | 8,282 | 101 | 41 | 4 | B |

| | | | | | |
|------------------|---------|-----|----|----|---|
| (at K1RX) | | | | | |
| WA1LJD (+WA1LNP) | 141,804 | 909 | 78 | 22 | B |
| WS1U (+net) | 19,032 | 122 | 78 | 10 | A |

Rhode Island

| | | | | | |
|--------|--------|-----|----|----|---|
| KD1IA | 10,200 | 102 | 50 | 24 | Q |
| K1VSJ | 50,544 | 324 | 78 | 15 | A |
| AA1PO | 10,848 | 113 | 48 | 24 | A |
| KA1HYN | 10,800 | 108 | 50 | 4 | A |
| K1DS | 9,072 | 108 | 42 | 5 | A |

| | | | | | |
|-----------------|---------|------|----|----|---|
| K1AM | 171,288 | 1098 | 78 | 24 | B |
| K1SD | 107,646 | 699 | 77 | 18 | B |
| W1OP (K1PLX,op) | 75,600 | 504 | 75 | 17 | B |
| K1MO | 31,108 | 202 | 77 | 11 | B |
| KA1WIU | 14,410 | 131 | 55 | 11 | B |

| | | | | | |
|-------------------|---------|------|----|----|---|
| K1NG (+K1SD,K1IG) | 240,396 | 1541 | 78 | 24 | B |
| AA1II (+N1QVJ) | 21,666 | 157 | 69 | 20 | A |

Vermont

| | | | | | |
|--------|-------|----|----|---|---|
| WA1GUV | 5,700 | 75 | 38 | 7 | Q |
|--------|-------|----|----|---|---|

N1RJF

| | | | | | |
|------------------|--------|-----|----|----|---|
| 55,728 | 387 | 72 | 24 | A | |
| W1SA | 28,680 | 239 | 60 | 7 | A |
| N1MR (KB1BMO,op) | 24,552 | 198 | 62 | 23 | A |
| WA1ITZ | 9,324 | 111 | 42 | 6 | A |

| | | | | | |
|------------------|---------|------|----|----|---|
| WB1GQR (W1SJ,op) | 250,068 | 1603 | 78 | 24 | B |
| W1US (+K1LOM) | 111,264 | 732 | 76 | 20 | B |
| WX1O (+WE3Z) | 56,160 | 360 | 78 | 21 | A |

Western Massachusetts

| | | | | | |
|------|---------|------|----|----|---|
| KZ1M | 171,444 | 1099 | 78 | 24 | A |
| K5ZD | 77,818 | 533 | 73 | 8 | B |

| | | | | | |
|--|---------|-----|----|----|---|
| W1YK (KA1s WIG,YTR,N1s TLE RRS,WHI,N3VUN,W1NT,ops) | 139,152 | 892 | 78 | 24 | B |
| K1TTT (+net) | 42,504 | 276 | 77 | 7 | B |

2

Eastern New York

| | | | | | |
|--------|---------|-----|----|----|---|
| KD2IX | 6,240 | 78 | 40 | 24 | Q |
| W2EQ | 119,016 | 783 | 76 | 24 | A |
| K2UF | 87,360 | 560 | 78 | 23 | A |
| WB2LBF | 55,950 | 373 | 75 | 24 | A |
| WD2K | 28,000 | 200 | 70 | 21 | A |
| K2GS | 22,110 | 165 | 67 | 21 | A |
| K2RI | 21,700 | 175 | 62 | 4 | A |
| K2IK | 19,032 | 156 | 61 | 10 | A |
| K2JW | 14,336 | 128 | 56 | 10 | A |
| N2MTG | 13,520 | 130 | 52 | 14 | A |
| KA2HLB | 11,904 | 124 | 48 | 11 | A |
| N2CJJ | 11,236 | 106 | 53 | 9 | A |
| KG2GP | 10,976 | 112 | 49 | 8 | A |
| KB2SSZ | 8,554 | 91 | 47 | 11 | A |
| K2YR | 6,750 | 75 | 45 | 4 | A |
| WB2TCV | 1,482 | 39 | 18 | 3 | A |
| W2XM | 1,008 | 28 | 18 | 3 | A |

| | | | | | |
|--------|---------|------|----|----|---|
| KB2K | 280,332 | 1797 | 78 | 24 | B |
| WA2UDT | 48,180 | 330 | 73 | 7 | B |
| NN2T | 31,200 | 200 | 78 | 24 | B |
| W2HCA | 21,248 | 166 | 64 | 8 | B |
| N2BIM | 12,168 | 78 | 78 | 8 | B |

| | | | | | |
|-------------------------------|---------|-----|----|----|---|
| KB2POP (+net) | 124,800 | 800 | 78 | 15 | A |
| K2KJM (+net) | 56,240 | 370 | 76 | 13 | A |
| N2KJM (+net) | 56,240 | 370 | 76 | 13 | A |
| AJ2U (+N2KJM) | 56,004 | 359 | 78 | 20 | B |
| N2CFD (+net) | 39,156 | 251 | 78 | 24 | B |
| W2YR (+net) | 38,688 | 248 | 78 | 19 | A |
| KB2UDZ (+KB2SYD,KC2ADW,N2KPB) | 36,750 | 245 | 75 | 22 | A |
| N2TTT (+N2NHN) | 35,624 | 244 | 73 | 23 | A |
| NN2V (+NO2X) | 29,172 | 187 | 78 | 13 | B |
| W2AGZO (+net) | 28,860 | 185 | 78 | 10 | A |
| W2KD (+net) | 20,592 | 132 | 78 | 11 | B |
| KZ2A (+net) | 15,132 | 97 | 78 | 15 | A |
| K2MFF (KF2TN,N2SMS,ops) | 9,030 | 105 | 43 | 15 | Q |

| | | | | | |
|-------------------------|--------|-----|----|----|---|
| N2TTT (+N2NHN) | 35,624 | 244 | 73 | 23 | A |
| NN2V (+NO2X) | 29,172 | 187 | 78 | 13 | B |
| W2AGZO (+net) | 28,860 | 185 | 78 | 10 | A |
| W2KD (+net) | 20,592 | 132 | 78 | 11 | B |
| KZ2A (+net) | 15,132 | 97 | 78 | 15 | A |
| K2MFF (KF2TN,N2SMS,ops) | 9,030 | 105 | 43 | 15 | Q |

| | | | | | |
|-------------------------------|--------|-----|----|----|---|
| N2CFD (+net) | 39,156 | 251 | 78 | 24 | B |
| W2YR (+net) | 38,688 | 248 | 78 | 19 | A |
| KB2UDZ (+KB2SYD,KC2ADW,N2KPB) | 36,750 | 245 | 75 | 22 | A |
| N2TTT (+N2NHN) | 35,624 | 244 | 73 | 23 | A |
| NN2V (+NO2X) | 29,172 | 187 | 78 | 13 | B |
| W2AGZO (+net) | 28,860 | 185 | 78 | 10 | A |
| W2KD (+net) | 20,592 | 132 | 78 | 11 | B |
| KZ2A (+net) | 15,132 | 97 | 78 | 15 | A |
| K2MFF (KF2TN,N2SMS,ops) | 9,030 | 105 | 43 | 15 | Q |

| | | | | | |
|-------------------------------|--------|-----|----|----|---|
| N2CFD (+net) | 39,156 | 251 | 78 | 24 | B |
| W2YR (+net) | 38,688 | 248 | 78 | 19 | A |
| KB2UDZ (+KB2SYD,KC2ADW,N2KPB) | 36,750 | 245 | 75 | 22 | A |
| N2TTT (+N2NHN) | 35,624 | 244 | 73 | 23 | A |
| NN2V (+NO2X) | 29,172 | 187 | 78 | 13 | B |
| W2AGZO (+net) | 28,860 | 185 | 78 | 10 | A |
| W2KD (+net) | 20,592 | 132 | 78 | 11 | B |
| KZ2A (+net) | 15,132 | 97 | 78 | 15 | A |
| K2MFF (KF2TN,N2SMS,ops) | 9,030 | 105 | 43 | 15 | Q |

| | | | | | |
|-------------------------------|--------|-----|----|----|---|
| N2CFD (+net) | 39,156 | 251 | 78 | 24 | B |
| W2YR (+net) | 38,688 | 248 | 78 | 19 | A |
| KB2UDZ (+KB2SYD,KC2ADW,N2KPB) | 36,750 | 245 | 75 | 22 | A |
| N2TTT (+N2NHN) | 35,624 | 244 | 73 | 23 | A |
| NN2V (+NO2X) | 29,172 | 187 | 78 | 13 | B |
| W2AGZO (+net) | 28,860 | 185 | 78 | 10 | A |
| W2KD (+net) | 20,592 | 132 | 78 | 11 | B |
| KZ2A (+net) | 15,132 | 97 | 78 | 15 | A |
| K2MFF (KF2TN,N2SMS,ops) | 9,030 | 105 | 43 | 15 | Q |

| | | | | | |
|-------------------------------|--------|-----|----|----|---|
| N2CFD (+net) | 39,156 | 251 | 78 | 24 | B |
| W2YR (+net) | 38,688 | 248 | 78 | 19 | A |
| KB2UDZ (+KB2SYD,KC2ADW,N2KPB) | 36,750 | 245 | 75 | 22 | A |
| N2TTT (+N2NHN) | 35,624 | 244 | 73 | 23 | A |
| NN2V (+NO2X) | 29,172 | 187 | 78 | 13 | B |
| W2AGZO (+net) | 28,86 | | | | |

| | | | | | |
|----------------|--------|-----|----|----|---|
| W4IM (+KC4DCL) | 44,488 | 332 | 67 | 18 | A |
|----------------|--------|-----|----|----|---|

116 June 1997 QST-

KC5OJY (KC5CGH,KB2RVB,KK5KN,
NSVHO,ops)
29,376 216 68 24 A
N5MUJ (KC5s VPY,VPZ,WUG,WUH,
NQ5X,ops)
9,976 116 43 15 A

Oklahoma

K5KA 116,270 755 77 13 A
W5TZN 33,540 210 75 21 A
K5ASND 29,900 230 85 12 A
KB5ENP 26,390 203 65 15 A
KK5XI 18,904 139 68 22 A
KB5IRL 18,212 157 58 11 A
K5PFX 12,838 131 49 5 A
KC5KUG 9,660 105 46 16 A
AA5HV 2,700 45 30 3 A

KB5BOB 94,402 613 77 14 B
AB5I 54,756 351 78 12 B
K5CM 45,640 326 70 10 B
KB5ZUD 41,400 300 69 12 B
K5YAA 24,970 227 55 2 B

NJ5S (+KA7GLA,KA2RNY,KB0GBD,
KC5s GUD,TEZ,KM5DH,N1UOC,
WB5OXY)
112,420 730 77 24 B

WD0GTQ (+WB0ZWW)
51,696 359 72 22 A

KB5RBX (+N5SAM)
37,076 299 62 24 A

South Texas

KG5U 23,660 182 65 7 Q
N5BA 1,320 30 22 2 Q

WA5IYX 64,600 425 76 20 A
WA5TOS 62,900 425 74 17 A
AB5SS 62,502 387 73 16 A
AC5FW 40,752 283 72 20 A
N5XU 40,470 285 71 13 A
N1JV 30,096 209 72 10 A
WD5GNI 29,040 220 66 16 A
KK5CA 28,566 207 69 10 A
WA5WZA 25,344 198 64 6 A
KB0CN 24,830 191 65 11 A
K5ZTY 24,708 174 71 8 A
K5WLA 18,492 138 67 6 A
N5RLQ 16,500 150 55 15 A
W5PDW 12,880 115 56 2 A
KK5DO 12,528 108 58 24 A
KK5KX 11,466 117 49 8 A
WA5SAJ 10,788 93 58 9 A
WA5DUJ 10,682 109 49 18 A
W5VHN 10,600 100 53 24 A
K5WNO 10,404 102 51 24 A
WB9LAU 10,120 110 46 11 A
N5RBC 10,058 107 47 11 A
N5NMK 9,116 106 43 3 A
W5OYH 5,472 72 38 9 A
K5GO 3,192 57 28 4 A
KM5CF 2,838 43 35 24 A
NBECG 1,550 31 25 3 A

N5JA 330,564 2119 78 24 B
K5TR (at W5KFT)
319,550 2075 77 24 B

N5KA (at N3BB)
306,228 1963 78 24 B

W5ASP 195,156 1251 78 19 B
K5NZ 142,576 938 76 24 B
AB5EA 138,216 886 78 24 B
K5DX 121,680 780 78 24 B
K5RC 87,672 582 78 9 B
WD5DLX 87,600 600 73 19 B
NA4M 50,516 346 73 24 B
KK5GJ 44,850 325 69 8 B
K8CSG 37,444 253 74 13 B
KB5RUG 31,668 203 78 16 B
W5XD 12,512 136 46 8 B
W5NR 4,800 60 40 4 B

K5DU (+K5NA,WB2Q)
242,112 1552 78 24 B

W5EHM (N1PVB,AA5BT,KA5WSS,
KG5KI,ops)
184,688 1248 78 24 B

N5TU (+K5GVHL,KM5DX,W2YX,W5MJ)
156,936 1006 78 24 B

W5NC (K1OJ,K5s NZ,ZTY,KA5AKG,
KC5QDX,KJ5X,KK5LD,N5KEU,
WA5s DWX,MLJ,SAJ,ops)
156,000 1000 78 21 B

W5OO (+K5MV,KC5WCN,N5AF)
109,356 701 78 15 B

KK5MH (+K5CNRA)
54,040 386 70 22 B

K15ME (+net)
29,252 206 71 19 A

KB5ZXO (+KC5UTN)
1,832 34 24 3 A

West Texas

K5ED 85,500 570 75 18 Q

AB5WV 45,440 320 71 14 Q

WB5M 101,384 667 76 16 A

KB5LMB 10,800 120 45 21 A

WB5AAR (N5RZ,op)
257,244 1649 78 18 B

KJ5BX (+K5KYJ,KC5s HNI,KQF,MVT,
OBX,QZM)
93,940 610 77 24 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

K6J 171,600 1100 78 12 B

W6BSY 156,312 1002 78 20 B
W6RJ 67,080 430 78 6 B
K6ZM (AC6CI,op)
66,640 490 68 8 B
WW6I 22,560 188 60 24 B
N6ZM (NH7A,op)
3,286 53 31 24 B

W6DI (N6UUG,WX6M,ops)
209,820 1345 78 24 B

Los Angeles

K6RO 170,352 1092 78 24 A
K6CX 139,620 895 78 22 A
W6KC 85,932 558 77 20 A
WA7BNM 82,368 528 78 13 A
WB6NFO 71,568 504 71 18 A
K6ES 48,240 335 72 24 A
W6LX 38,304 266 72 19 A
N6TW 31,720 244 65 24 A
WE6E 26,460 210 63 14 A
NA2D 24,156 198 61 13 A
N7KFL 21,204 185 57 13 A
NM4X 20,174 131 77 17 A
KE6VWV 19,040 170 56 24 A
WB6CGZ 18,126 159 57 22 A
KE6JLF 3,000 50 30 7 A
KN6DQ 504 18 14 24 A

K6LA 262,080 1680 78 24 B

K6DI 164,780 1070 77 24 B

W6UE (KA6SAR,KF6EHD,N7UE,
N9YS,ops)
245,856 1576 78 23 B

K6VR (+net)
25,102 163 77 14 A

KE6WEH (K6Gs NMR,QWU,ZHU,
K6Gs GHX,RJE,ZTK,KF6s DFI,GMG,
GYY,N6s WZR,XAC,ops)
23,684 191 62 23 B

W6VPZ (KC6TWP,N6YPJ,ops)
4,248 59 36 6 A

Orange

K6C6NV 145,160 955 76 24 A
WM7D 28,116 213 66 24 A
WA6JZQ 19,936 178 56 24 A
K6XB 14,080 128 55 10 A
K6BVE 13,920 120 58 13 A
W6NT 12,500 125 50 13 A
WA6GFR 7,392 88 42 7 A
N6RT 6,900 75 46 4 A

N6HC 218,400 1400 78 23 B

W6TKV 88,920 585 76 15 B

K6NR 18,232 172 53 5 B

W6HT 9,374 109 43 7 B

W6EEN (+K6XC)
197,184 1264 78 17 B

K6HRT (+N6s XGS,YZT)
180,492 1157 78 23 B

K6MBH (+ops)
80,234 521 77 19 B

KE6SVW (K6TOS,KE6WUE,W6KAT,
WA6SNG,WB6JBL,ops)
52,414 359 73 24 A

W6JBT (+KE6LTT,KF6CR,N6CMF,
W6HAL)
25,956 206 63 14 A

AC6YB (+AC6XX,KE6BNI)
14,096 133 53 11 A

K6RUB (+WB6BMR)
13,340 115 58 7 A

Pacific

WB6FZH/KH6
4,760 68 35 24 Q

WH6DY 71,208 516 69 13 A

KH6FKG 108,770 745 73 23 B

Sacramento Valley

W6PYX 148,512 952 78 24 A

KE6QJ 17,936 408 71 21 A

K6GWP 20,276 137 74 11 A

K6GIS 16,790 115 73 9 A

W6QEU 12,168 78 78 15 A

K6ORU 9,996 102 49 24 A

K6GLF 257,244 1649 78 24 B

K6PU 136,032 872 78 13 B

AC6DQ 126,048 808 78 15 B

K6GRHM 40,016 328 61 13 B

W6REC 12,878 137 47 2 B

K6RCC (AA6WJ,N6IG,NB6G,ops)
323,388 2073 78 24 B

N6ZS (+N6SNO)
220,740 1415 78 24 B

K6VH (+net)
206,076 1321 78 23 B

A16V (+K6GII)
196,992 1296 76 16 B

N6KE (+K6GV,KJ6YC,KN6OX)
180,336 1156 78 24 B

K6SG (+K3EST)
140,016 936 78 19 B

KQ6IT (+ops)
67,800 452 75 13 B

W6YM (+KE6FEE)
34,160 244 70 13 B

K6JJ (+net)
21,248 166 64 17 A

Santa Diego

W6CN 35,520 240 74 23 Q

N6SMW 25,012 169 74 24 A

W6MVW 13,920 120 58 24 A

K6CT 10,200 100 51 24 A

K6VWL 10,152 108 47 20 A

W6JVA 72,540 465 78 12 B

WA6YOO 36,816 354 52 8 B
WA6UFY 24,240 202 60 7 B
K6GQK 19,440 162 60 5 B

N6KI (+K6AM,KC6WEO,KM6WF,
N6UWW,WB6NBU)
265,512 1702 78 24 B

KC6VVT (+KC6ZEC,N2LWL)
39,150 261 75 24 A

San Francisco

K6UM 76,152 501 76 16 A
N6ZFO 69,412 469 74 16 A
W6ESJ 50,768 334 76 18 A
AC6AH 12,528 116 54 8 A
WA6QCL 12,480 120 52 7 A
K6LRN 3,712 58 32 24 A
W6BD 40 5 4 1 A

WB2CHO 28,896 258 56 24 B

WA6CTA 5,780 85 34 2 B

W6WP (K6Gs VWD,YDY,KN6SY,
K6GFG,N6BWS,NN6D,W6s BD,
V,ops)
45,752 301 76 24 A

KE6SL (K6FAAR)
35,904 272 66 18 A

San Joaquin Valley

K6MI 4,104 57 36 4 Q

KG6OB 32,982 239 69 17 A

K6BRW 24,856 184 67 14 A

K6PCC 15,048 132 57 17 A

W6DPD 13,250 125 53 9 A

KE6JTH 12,882 113 57 16 A

W6WM 12,192 127 48 24 A

KE6GTR 10,192 104 49 24 A

W6UOX 9,720 108 45 12 A

WC6H 292,138 1897 77 24 B

WA6YEE 37,240 245 76 15 B

WB6QVI 11,220 110 51 7 B

N6MU (+N6MI)
204,204 1326 77 24 B

KT6RA (+K6BKKP)
171,132 1097 78 24 B

NT6K (+K6BIM)
138,840 890 78 24 B

WB6YIK (+K6BHJ)
109,032 708 77 22 B

N6TNX (+N6TNW)
100,320 660 76 19 B

W6XX (+NR6N,W6PS)
94,240 620 76 20 B

KM6AE (+AC6WP,K6ALE,KE6TII,
KK6KE)
27,090 215 63 17 A

N6EE (+NET)
18,560 145 64 6 A

Santa Barbara

WA6FGV 91,260 585 78 19 A

W6GL 58,064 382 76 21 A

W6BKY 16,530 145 57 11 A

W3KT 10,700 107 50 8 A

W6HYK 9,916 74 67 12 A

N6PMO 8,118 99 41 11 A

KE6UUP 4,736 74 32 11 A

K6GGRY 120 10 6 2 A

W6NK 154,752 992 78 19 B

W6TKF 138,684 889 78 16 B

K6NE 1,450 29 25 24 B

WB6HZ (KC6WOT,KD6CVS,KE6SYA,
N6s DE,ED,ops)
137,060 890 77 24 B

Santa Clara Valley

N6NF 141,834 921 77 17 A

AD6E 92,862 803 77 19 A

AE6Y 81,774 531 77 11 A

N6BZ 55,008 382 72 16 A

W6PJ 31,944 242 66 21 A

K6EP 31,920 228 70 24 A

K7JJ 29,882 232 67 10 A

KE6EFO 23,058 183 63 14 A

AC6UR 9,632 112 43 24 A

N6NM 3,360 56 30 2 A

W6/XE1RGL 2,400 48 25 12 A

N2ALE 32 4 4 1 A

N6NT 258,960 1660 78 24 B

N6TV 191,412 1227 78 16 B

K6HNZ 159,276 1021 78 21 B

N6ET 154,596 991 78 24 B

K6GT 104,192 704 74 21 B

W6ISO 99,684 639 78 21 B

N7TN 89,528 589 76 7 B

K6XX 42,772 289 74 24 B

K6KR 36,864 288 64 4 B

K6II 35,500 250 71 14 B

W6CF 7,918 107 37 2 B

W6OAT (+net)
156,936 1006 78 15 B

AB6EQ (+K6GNOS)
113,344 737 77 24 B

AE6M (+N6BBS)
63,024 404 78 18 B

N6SF (+net)
18,648 126 74 16 B

KE6CCJ (+K6EBKK)
11,092 118 47 10 A

7**Alaska**

KL7WP 48,024 348 69

