Results, 1988 ARRL November Sweepstakes

By Billy Lunt, KR1R
Contest Manager

Sweepstakes is one of the most fun and popular ARRL sponsored contests. It gives the US and Canadian hams a chance to work each other. SS is held on two different weekends, one for CW and the other for phone. The 1988 SS was held on Nov 7-9 (CW) and Nov 21-23 (phone).

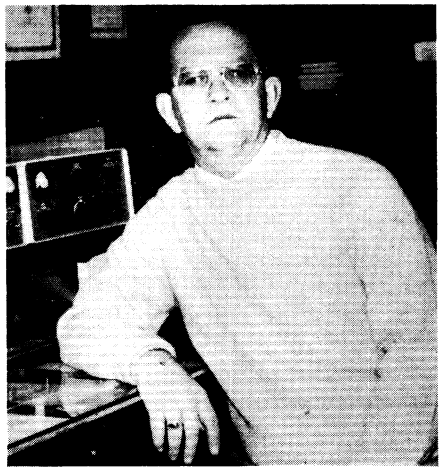
One of the fun things about SS that makes it so popular is saying hello to old friends in the midst of running stations. It is always a great pleasure to work familiar calls in a contest, and Sweepstakes contesters keep coming back year after year. Working old friends makes long contest hours seem to go by so quickly that we keep yearning for more. Leigh, N8LM, claims "This is the 50th anniversary of my first try at SS!" K9BB has been around even longer and is still having fun. Bob discloses, "It is lots of fun even after 53 years of operation. I am getting a little slower now that I am 69+ years young!" N6SJ still loves CW and expresses, "So nice to hear the hard-core CW regulars. I forget about these guys all year and then when I work each one in SS, it is like bumping into an old friend!" Gary, W1ECH, says, "It's always great to hear familiar calls year after year." With comments like these, it is easy to understand why SS is so popular.

Besides the friendly side of SS, there is the challenging side. John, K1NG, summed it up with, "What a high energy blast of excitement! Nonstop action resulted in a clean sweep after only seven hours." Working that last section for a clean sweep is a great feeling, but doing it for the very first time is even better. Marc, WA2S, divulged, "My first clean sweep! What a thrill! I have never had so much fun in a contest! The XYL and harmonics got in the act by keeping the pressure on to make more contacts. I am already making plans for improving next year's score."

Phone remains as the most popular mode again this year. HQ received 979 phone entries and 824 CW entries. Among the single ops, the low-power entry class (less than 150-W output) is the most popular choice. On CW, there were 463 A-class entries as opposed to 229 B-class entries and 86 Q-class entries. During the phone weekend, there were 568 A-class entries, 255 B-class entries and 53 Q-class entries. Multiop entries numbered 46 on CW and 103 on phone.

When all the brass pounding subsided and everything settled into place, KØRF (WØUA, op) was the clear single-operator high-power winner, scoring 176k points in the CW Sweepstakes. Tim, K3LR, was only 4k behind in second place with 172k points. W7NI (N6TR,op) was third with 170k points. In the low-power class (less than 150 watts), the battle was fierce with only a few points separating the top spots. KØEU edged out K4VX (WOØG, op) by only 1K for first-place low power. KV4FZ (N6OP) finished in third. In the second running of the new QRP class, Bill, KVØI, took top honors scoring 100k points. Les, KØSCM, was second with 99k points and Randy, AA2U, was third with 92k points. The crew at N4RJ slipped by K5CM for first-place multioperator. N4RJ scored 167k points and K5CM scored 163k points. NF7P was third with 161k points.

Taking advantage of the new Virgin Islands Section, KP2A (N2IC, op) easily moved into first place scoring 398k points in the phone Sweepstakes. West Coaster W7WA claimed second place with 332k points, and N6IG was third with 320k points. New Mexico's AA5B won first place in the low-power class with 254k points. Tom, K7RI, was 30k off the mark,



Ray, W5EW, handed out Louisiana multipliers.

Single Operator High Power Top Ten

CW		Phone	
Call	Score	Call	Score
KØRF (WØUA,op)	176,250	KP2A (N2IC,op)	398,088
K3LR	172,216	W7WA	332,424
W7NI (N6TR,op)	170,240	N6IG	320,720
N5AU (WN4KKN/5,op)	170,088	KØDD	319,808
N2IC	169,936	KI3V/7	315,096
WM5G (KRØY,op)	169,800	K6LL	301,720
N6IG	169,328	WM5G (KRØY,op)	296,856
WZ4F	168,112	WBØO	296,704
K6NA	166,744	W6GO (K3EST,op)	296,552
K5ZD	166,650	KØRF (WØUA,op)	295,944

Single Operator QRP Top Ten

CW		Phone	
Call	Score	Call	Score
KVØI	100,500	WØLSD	120,384
KØSCM	99,718	W5VGX	79,804
AA2U	92,850	KG5U	76,500
KE7X	90,150	WAØVBW	72,200
NM2L	89,688	W5PAA (WC5D,op)	66,120
K4VFY/5 (N4EVS,op)	89,644	KBØZQ	61,350
KØFRP	85,118	KB9S	61,056
W6IO	80,512	K1KNQ	59,472
W4MYA	78,292	KH6CP/1	58,380
KH6CP/1	70,004	KD2TT	55,380

Single Operator Low Power Top Ten

CW		Phone	
Call	Score	Call	Score
KØEU	145,950	AA5B	254,904
K4VX (WOØG,op)	144,900	K7RI	225,416
KV4FZ (N6OP,op)	144,892	KE5CV	214,776
W2GD	144,450	KØEU	211,432
K1CC	138,624	K7LXC	209,456
W2TZ	138,150	WBØIKN	201,400
K2ZJ	134,700	WO7Y	198,150
AA5B	134,250	WØCP	197,144
WØCP	133,304	AA4RX	185,744
K4XU/9	133,200	KØFRP	184,528

Multioperator Top Ten

CW		Phone	
Call	Score	Call	Score
N4RJ	167,352	W7EJ	318,440
K5CM	163,248	W7XR	282,872
NF7P	161,250	NK7U	254,904
WF5E	142,950	K1NG	243,504
N6VR	136,800	NIØE	241,376
N4EEB	132,608	K5RX	235,448
WDØT	130,950	K5CM	234,688
KØWA	130,832	KF6OG	232,712
WØAIH	128,896	K7MM	228,760
NY6C	125,400	W6UE	227,088

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Affiliated Club Competition

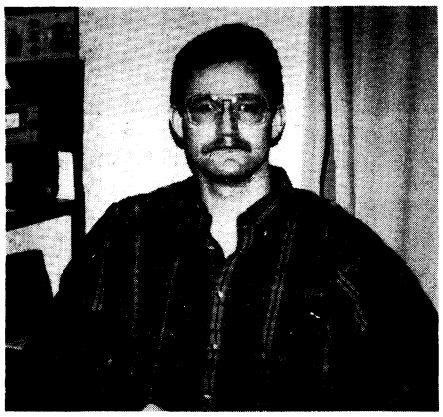
Score	Scores	Entries	CW Winner	Phone Winner
Medium Category				
North Texas Contest Club	4,365,026	35	N5AU (WN4KKN,op)	WM5G (KRØY,op)
*Society of Midwest Contesters	3,987,030	50	AG9A	K4VX/Ø (WOØG,op)
Minnesota Wireless Assn	3,463,098	40	KØDD (KØKX,op)	KØDD
Murphy's Marauders	3,328,964	36	W1WEF	W1WEF
Potomac Valley Radio Club	3,114,624	41	W3LPL	N2FB/3
Yankee Clipper Contest Club	2,793,226	48	KD2RD	N6BV/1
*Mad River Radio Club	2,693,480	26	K3LR	N8CXX
*Texas DX Society	2,004,508	19	WB5BIR	NR5M
*Northern California Contest Club	1,944,044	18	N6BT (N6TV,op)	N6IG
Southern California Contest Club	1,525,864	13	K6NA	W6UQF
*Frankford Radio Club	1,260,578	15	W2GD	W3MA
Overlook Mountain ARC	1,219,670	11	WB2Q	WA2STM
Motor City Radio Club	1,196,882	50	W8UMP	KA8GOM
*Kansas City DX Club	835,316	9	KBØG	KBØG
*Western Washington DX Club	784,626	12	K7NW	KM7E
Grand Mesa Contesters	678,798	11	KJØG	KØGAS
South Jersey Radio Association	646,484	20	W2LYL	W2PAU
*Dixie DXers	610,416	5	K4BAI	K4BAI
*Willamette Valley DX Club	602,688	6	K5MM/7	K5MM/7
*Colorado Contest Conspiracy	598,758	3	KØEU	KØEU
*Salt City DX Assn	532,036	5	K2ZJ	WA2UUK
*Long Island Mobile ARC	461,150	9	N2AU	KS2G
*Eastern Iowa DX Assn	414,264	5	WØWP	WBØZKG
*Warminster ARC	395,524	15	KY3T	KA3SIO
Central Michigan ARC	387,310	14	W8TJQ	W8VPC
*Arkansas DX Assn	344,216	3	W9OBF	K5FUV
*Central Virginia Contest Club	336,244	3	K4BAM	W4MYA
*Hoosier Contest Club	305,002	7	W9RE (WA8YVR,op)	WB9CIF
*Farout ARC	296,976	4	WB8SVN	WB8X
*Penn Wireless Assn	217,328	3	K3TX	K3TX
Western New York DX Assn	202,062	6	W2RR (WB2YQH,op)	W2RR (WB2YQH ,op)
*Redwood Empire DX Assn	198,136	6	WA8LLY	WA8LLY
*Rowan ARS	197,302	7	W8UT	KJ4TI
Local Category				
River City Contesters	1,365,466	10	N6IG	W6GO (K3EST,op)
Rubber Circle Contest Club	1,111,962	6	KR7G	W7WA
New Mexico Big River Contesters	706,404	5	AA5B	AA5B
Calumet Amateur Radio Enthusiasts	485,838	6	KE9I	AJ9C
*Central Arizona DX Assn	457,220	4	KY7M	KC7V
*Rochester (NY) DX Assn	454,854	8	W2TZ	W2HPF
*Reading Radio Club	421,138	6	KS3F	KS3F
Radio Club of Tacoma	356,210	7	W7LKG	W7LKG
Zygo ARC	294,004	6	W1ECH	W1ECH
*Western ARA	289,980	3	K7JA	K7JA
Ramapo Mountain ARC	273,816	5	NW2D	NW2D
*TRIAC	266,424	4		K3ZA
*Murgas ARC	253,932	7	WA3YON	WA3YON
*Fox River Radio League	245,568	3	WA9TPQ	WA9TPQ
*Northrop Radio Club	237,760	10	K6HRT	W6CN
Falmouth ARA	223,556	4	KA1IOR	K1BT
Utah Contest Club	220,890	3	W7MR	W7HS
West Park Radiops	199,714	9	W8IDM	WD8AJF
*Valley Radio Club of Eugene	178,382	6	K7DBV	AI7W
Ventura County ARC	174,054	3		WA6DJS
*Rip Van Winkle ARS	157,942	6	KW2D	KW2D (KC2KK,op)
*Schenectady ARA	153,588	4	WB2SPN	WB2EAR
*Gloucester Co ARC	145,938	3	K2HPV	N2ETJ
*SHY-WY Radio Club	143,656	3	N3AHA/7	N3AHA/7
*Tyler ARC	131,932	3		KD5GD
Burlington Co RC	130,078	7	WB2R	WA3RHW
Clark Co ARA	126,300	8		N9HAV
*Grant Co ARC	111,798	3		NX9T
Western Illinois ARC	108,008	3	N9JF	N9JF
*Crystal Radio Club	106,130	6	K2CIB	N2BJ
*Albany ARA	100,402	4	N2DU	N2DU
*Utica ARC	89,350	3	K2XU	K2IQ
Fresno ARC	89,232	5	KA6LAC	KA6LAC
*Columbia ARC	85,164	4	WF2G	WD4BHM
*Bolingbrook ARS	84,858	4	NA9I	N9DIX
*Rockford ARA	84,840	3		K9GH
Highland ARA	72,100	6		N8FSP
*Montcalm Area ARC	58,576	3	WA8QCW	KE8JW
*Hazel Park ARC	58,478	4		N8FPN
Naked Chicken Contest Club	54,940	3	KA1MIS	NUØX/1
*Radio Amateur Transmitting Society	26,110	3	W4AY (WA4ZZU,op)	W4AY (WA4ZZU,op)
Brooklyn Technical HS ARC	11,246	3		N2RQ

*Indicates that a list of eligible club members, as per the Club Competition Rules, was not received at HQ.

coming in second with a score of 225k. Mike, KE5CV, finished third with 214k points. Ken, WØLSD, ran away with top honors in the QRP class with 120k points. There were only 3k points separating second-and third-place QRP. W5VGX was second with 79k points, and KG5U was third with 76k points. In the multioperator class, W7EJ and crew scored 318k for first place and W7XR finished in second place with 282k points. NK7U was third with 254k points.

Affiliated Club Competition was prevalent as ever, boasting 75 clubs meeting the minimum requirement of having three log entries. There were no entries in the unlimited-club category this year. This was not a sign of low participation by any means. Generally, club scores were on an increase over last year's scores. The medium-club category had 33 different club entries for 1988. The North Texas Contest Club moved up one slot from last year to win the medium-club gavel this year. The Society of Midwest Contesters was close behind for second place. In the local-club category, the River City Contesters edged out last year's champs, the Rubber Circle Contest Club, for the local-club gavel. If your club has an asterisk before the name, your club did not send HQ a list of qualified members and entry class. HQ listed all clubs that turned in at least three entries this year. In the future, the clubs must meet the Club Competition Rules and Criteria which appear in January *QST*.

If participation and conditions keep improving as in the last few years, 1989 should be a record-breaking year! So spend the summer getting your equipment and antennas ready for next November. See ya then!



Bill, WBØO, gave many of us that ND multiplier.

SOAPBOX

CW

VE8 spells relief! (W1WEF). I blew up the amplifier Sunday morning. My score suffered as a result (K1XA). The secret to a good score is get everyone else out of the house, take the phones off the hook and then only Murphy can interrupt you. The secret to a better-than-good score on CW is a narrow filter. Absolutely the most fun I have had in contesting yet! (KA1IOR). Not many points, but a great success since I picked up three of the last states I needed for We the People Worked All States (W1IMQ). Missed VT for the second year in a row. Is it time for a SSexpedition? I missed VE8 this time and heard many others saying they didn't find one either (N1CC). FB contest! Excellent conditions! Although I was only able to spend eight hours in the contest for physical reasons, the eight sections I missed were never even heard! Where were all the W6s? (W2DW). New and improved conditions make it a whole new ball game! (KD2RD). This was first SS after 18 years of ham radio. I found it difficult to build up speed with my long call sign combined with the exchange (WB2AMU). Low power is a real challenge! (W2GD). I had a great time! It was the first time that I tried seriously in a contest. I made some mistakes. I have to get a better dupe-checking process for the next contest (NS2K). This was my first SS, and I had a great time! I am already looking forward to the 1989 Sweepstakes (WF2W). Every year the contest gets better. I made new highs in QSOs, sections and score. First WAS in a contest! Also was my first full 24-hour participation. Now if I only had 10-and 15-meter beams, a kW, computer, etc, etc... (N2EY). This was my first SS, and I really enjoyed it! See you next year with a much higher score (KA3SIO). I had to work Sunday, so I could only put in a part-time effort. I can't believe it. I missed VT, PR and AB, but I worked my usual toughies—SJV and VE8

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CW Division Leaders

Division	High Power	Low Power	QRP	Multioperator
Atlantic	K3LR	W2TZ	NM2L	WB2PSI
Central	AG9A	K4XU/9	N9NE	WØAIH
Dakota	KØDD (KØKX,op)	WØUC	WØYHE	WDØT
Delta	AA4DO	K5GO	K4VFY/5 (N4EVS,op)	WC5N
Great Lakes	KW8N	K8BL	W8IDM	W8EDU
Hudson	KZ2S	W2GD	AA2U	K2GQ
Midwest	KBØG	K4VX (WOØG,op)	KVØI	KØWA
New England	W1WEF	K1CC	KH6CP/1	W1OP
Northwestern	W7NI (N6TR,op)	W7YAQ	KE7X	KE7C
Pacific	N6IG	N6SJ	W6IO	NF7P
Rocky Mountain	KØRF (WØUA,op)	KØEU	KFRP	W7MR
Roanoke	K4PQL	N4AA	W4MYA	K4IX
Southeastern	WZ4F	KV4FZ (N6OP,op)	K4MF	N4RJ
Southwestern	K6NA	NE6I	KD7E	N6VR
West Gulf	N5AU (WN4KKN/5,op)	N4DW	AC5K	K5CM
Canada	VE7CC	VE7ARQ	VE3OOL	VE3ART

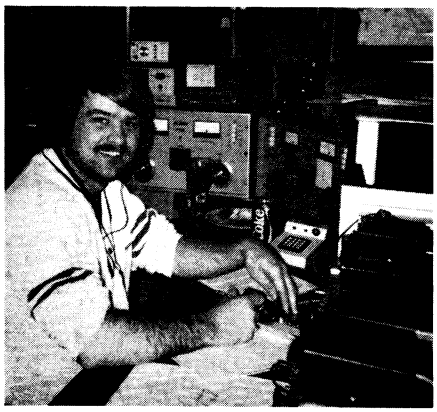
Phone Division Leaders

Division	High Power	Low Power	QRP	Multioperator
Atlantic	N2FB/3	KZ2I	N8NA	K2ZJ
Central	KS9O	AJ9C	KB9S	WØAIH
Dakota	KØDD	ACØW	KBØZQ	WØMXW
Delta	W5WMU	K5FUV	K5KLA	N4TG
Great Lakes	AI8D	AA4RX	N8EIH	N8EKE
Hudson	K8HVT/2	KS2G	KD2TT	KZ2S
Midwest	K4VX/Ø (WOØG,op)	KVØI	WAØVBW	ABØS
New England	N6BV/1	K1VSJ	K1KNQ	K1NG
Northwestern	W7WA	K7RI	N7ICC	W7EJ
Pacific	N6IG	ND7M	KB6LEI	W6BIP
Rocky Mountain	KØRF (WØUA,op)	AA5B	WØLSD	NIØE
Roanoke	KX3Q	N4AA	AA4YZ	AA4NC
Southeastern	KP2A (N2IC,op)	KC4ZV	K4VFY (N4EVS,op)	W4AQL
Southwestern	K6LL	N6HC	W6CN	KF6OG
West Gulf	WM5G (KRØY,op)	KE5CV	W5VGX	K5RX
Canada	VE7SV	VE4GV	VE7EKS	VE5FN

(WB2EKK). Not only did I pick up the two states that I needed for WAS with QRP, I worked all 50 states during the SS (WA8MCQ). It took 35 years of continuous entry in the Sweepstakes to get this close to a clean sweep, and I still cannot find a VE8! I even worked one from my mobile last year but can't work one in the contest. Is it really a valid multiplier? (W3HDH). Not much activity in the Novice subbands (N3GLK). When I heard W1OP's check of 19, I almost told him I needed the last two digits of the year! (KA7LKV). Sweep! (N4AA). It was real nice to work W2KWW with a check of 32; then along came W7NQ with a check of 29! (WA3SSB). I couldn't believe that I could work 74 of the 76 sections with a trap dipole only 14 ft off the ground! (K9BB/4). Oh well, missed VE8! (KØEJ). I enjoyed the contest, but CW activity seems to be declining, much to my dismay! (K4LTA). Sweep! (AA4UJ). Clean sweep! (W4YE). VT, VT...my linear for VT! (KX4V). Being the first-ever entry from the VI Section was a novel experience (KV4FZ). Where was all the activity? The bands were great! (KRØY). Worked all but VE8! (N5AW). Enjoyed it! Go North Texas Contest Club! I blew the power supply in my TS-930. I hope to be back on the air by the SSB weekend. See you again next year (W5FO). This can really be fun! Now, if I could just get VCRs outlawed, then just maybe...(KC5M). Snagged VE8AW for my sweep with 12 minutes to spare (K7JA). The local prohibition of outside antennas limits me to an indoor trap dipole. This resulted in a decreased QSO rate. SS is still my favorite contest (K6MP). I heard that the VE8 was on for the last 15 minutes of the contest (N6VR). I had a 40% better score than last year. I never heard VT, PR or VE8. This is my absolute favorite contest. CU in '89 (W6MVW). Where were the crowds on Sunday? (W6JTI). Where was everybody? (N6IG). Band conditions were pretty good but it seemed that participation was down. This was my first time using a C-64 for real-time logging and it worked real good. At 72 years of age, I need all the help I can get! (K6SG). This was my first QRP effort—ears hurt, headache, feel ill, had fun! The conditions were absolutely FB. Not any QRP station I worked was less than 569 (KD7E). This was not a full effort. My brother was in town from the Army (NC7K). This was my first November Sweepstakes. I know my score might not seem very good, but I think I worked every Novice and Technician in the contest (N7KPR/T). Maybe my call is too long. It can't possibly be the operator! Can it? (WA7RKJ). I can't take it anymore! This is my last year SS...until next year (N4SL). It sure was great to hear the higher bands come to life again. I bet we will see some new contest records in the next few years (KB8FJ). Everyone in PR must have been on the beach looking at YLs instead of looking for me! I missed PR for a clean Sweep (K9UIY). Thanks for the great contest. I wish I had more time to operate (KG9N). Where was PR? (W9EBY). Good to see all my friends again. CU next year (W9JOO). Can I have an extra multiplier for YL interference? (N9CIQ). Next year, I am going to try high power. The year after that maybe QRP! It is really tough to get through the QRM without at least some punch. But I did work 49 states in less than one day, so all was not lost. CU next year (NI9C). All my QSOs were made on 15 meters using low power and an indoor dipole. My good-ears award goes to WØEJ, who was the only station that could hear me on backscatter (NØBSH/9). Those long Sundays get pretty tough for us old guys (WØUA). I had to catch a plane at 2300Z Sunday. I missed the last few hours (KØFRP). I was enjoying the contest until evening, when I switched to my 40-meter dipole only to find that the wind had tangled it around one of the guy wires on the tower. I switched to 80 meters, and that caused so much TVI that I thought my family was going to shoot me. I retired for the night. Still had fun and I am looking forward to next year (NOØZ). This was my first SS in 21 years! The format was different, but the fun was the same! (WAØOUI). We all had a great time! Thanks to Tim and Chip at Turtle River State Park for accommodating us on our ND SSexpedition. The B1B bomber flying over from a local air base was a real bonus (NV9C).

Phone

There was terrible rain static Sunday and strange conditions (W1WEF). Eighty-meter wire was just not enough for all bands. I couldn't get through to K6GSS/KH6 on 10 for the final section (W1ECH). This is a completely different contest from the East Coast! (N6BV/1). Thank goodness for 10 meters. The last time I had a clean sweep was when 10 was wide open a few years ago (KQ1V). I enjoyed working W6BIP (60 years as a ham) just after his 73rd birthday. Isn't that a wonderful ham career! (AD1Z). We got our second straight clean sweep, although it wasn't easy. The rotator control box quit on Sunday morning, and the printer needed a new ribbon during a string of contacts. The control box was fixed and spare ribbons were on hand. The PTT foot switch broke apart, but we still managed to work our 76th section (VE8) with a few hours to spare. The pressure is on for the hat-trick clean sweep (WB1GEX). I was very disappointed at the inability to run stations. I had to search and pounce. Next year, hopefully, it will be better. Twenty died at 8 PM local time, and I couldn't find a clear spot on 75 (KT2D/1). Thanks for initiating the QRP group. I had a ball in the few hours available to me! Worked everyone I heard except a KL7. Next year I'll have a computer for dupes. I spent too much time checking to see if I'd worked someone! I had dozens of unsolicited FB signal reports before I announced the Q power. It was very satisfying. If only others knew what QRP can do! (KT1H). I made a big gamble by starting out on 10 meters. Normally 10 is a bad place to start in the northeast at 2100Z. Four hours later, after 400 QSOs, I knew I made the right choice (WB2JSJ). Almost everyone asked for a repeat on our check and said, "You don't sound old." We aren't, but our club is—1916. People should believe their ears, not their minds (K2AA). I had all but given up finding VE8. Then, 20 minutes before the end of the contest, I heard VE8DX call WB5BIR and give him #1. BIR was kind enough to let me use his frequency, and I received #2 from VE8DX for my sweep. BIR, I owe you one! (K8HVT/2). This was my first venture into the SS contest. I enjoyed the experience, and I am already planning antenna improvements to do better next year (KE2JJ). We were not sure what our check was, but after finding some old SS logs, we decided on 1922. We later found our club charter dated 1919. No one believed our 22 check. I'm not sure what to expect next year using 19! (W2SZ). Last year I bounced one baby on my knee while I operated SS. This year I bounced two. I'd better give up contests before next year's SS (WA2YEI). Multiop + logging software = more Qs (KD2RD). This was the best contest ever for me. I finally broke the 1k contact barrier! Computers are great for logging and dupe checking. However, they forget if the power goes out, like it did twice during the contest. Next contest I'll save more often to avoid having to reinput contacts lost in RAM (KC7KU). I'm glad this wasn't Field Day. We had an inch of rain on Saturday alone. My mini quad was soaked and did not work on 20 meters. It worked fine on 15. The next day we had another inch of rain. Now it works on 20 meters, but not 15... you figure it out! (WB2AZE). I operated less than half as many hours as last year plus had a new Explorer 14 antenna. I got the same score as last year. How did I ever get along without a beam? As always, it was nice to run into old friends (N2ETJ). When WB5BIR asked, ARE YOU HAVING FUN? I answered, I SURE AM! (KB2EMZ). Great contest! Hope to be back next year with a tower and a bigger antenna, as well as more hours to operate (KV3U). I enjoyed my first SS. See you next year (KA3SIO). Fastest sweep I can remember (K3WW). Although I gave my precedence as B, I never did turn on the amplifier, hoping to avoid a TVI problem. It didn't work. I still got into the neighbor's hi-fi and only got to work eight hours (KY3T). Okay, who hid Puerto Rico?



Randy, K5ZD, battled it out with fellow WPA contester K3LR on CW. Both made the Top Ten.

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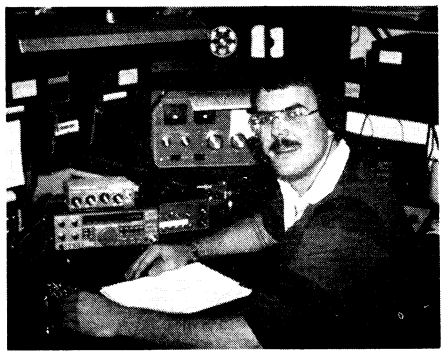
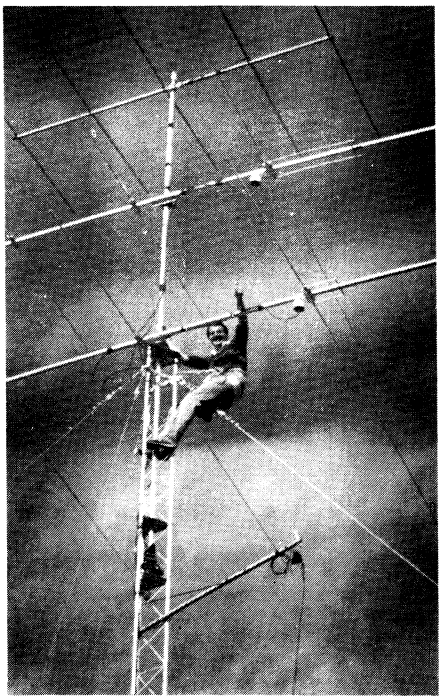
(WB2EKK). I could only work 16 hours this year. A storm came up Sunday afternoon with gusts up to 60 mi/h. I had to crank the tower down and terminate operations. I almost doubled last year's effort. It was a great contest (KA3ROX). Three years of trying, and finally, a sweep! Getting the AK and PAC sections in the first hour sure took some of the pressure off. The guys at VY1 QST are to be congratulated. First time I've ever heard a YU/NWT station calling CQ during the Sweeps (AA4LR). There were great band conditions. The Novice activity on 10 meters and contesting tips from the *NCJ* helped to make this my most enjoyable SS ever! (AA4RX). Doesn't anyone keep a dupe sheet anymore? I had 130+ dupes. I ran most of the time so most of the dupes were the cause of the other station. A station sent me a #1 (which I copied plainly) and he was a dupe! It was a good contest! I'll be back next year! (K4XS). It was an excellent contest. Thanks for a good time (WA4GNR). I was back in SC for the phone SS. I operated in the QRP category and worked all of the hard ones (KH6, KL7, VE8) and only had to call a few times. On the other hand, I missed most of VE-land plus AL and MS. Those darn sunspots (KJ4KB). A great contest. There were lots of stations and good band conditions. My score was about double my last year's score, and I had less time to work the contest (WA4VQD). I was surprised at the large number of 4-digit calls worked in the Novice/Tech portion of 10 meters! (W4JM). This was my first real contest. I had a lot of fun during CW and phone. Looking forward to next November. I couldn't believe I worked all 76 sections (N4QYK). I finally was able to work the last two states I needed for WAS! I didn't expect to have a real big score since I was limited on time. Maybe next year (N4SMB). The electricity went out at 1830Z Saturday due to a thunderstorm. I had to start the contest using a generator and 100-W output until the electricity came back on at 2137Z! (KRØY). Thanks for a good contest (WB5J). Great contest! I wish it could happen every weekend (N5JWL). Wow! 1323 QSOs on 10 meters! Thank you, Novices (N6IG). Clean sweep! (WB6JJE). In about 30 years of SS contests, this was the first time I ran



A view of Randy's (KØEU) shack and antennas that he used to win 1st place Low Power Phone.

a kW. My QSO-per-hour rate was about double. It was nice to catch VY1CM on 10 meters late in the contest for my last section (W6JVA). At age 72, I still enjoy contesting and SS is my favorite. I can't remember when I first entered SS. Why not a little recognition for the old-timers? The check tells the story except for club stations. I can't say enough about my DVK-100 digital voice keyer. It kept me from losing my voice (K6SG). This was my best SS effort. Nevada was well represented this year. I had my sweep with 7 hours left. It was just pure fun after that. Thanks to N8II for WV, my last section (NC7K). Why do I always get the difficult sections and miss the easy ones? I guess I will have to stay up later next year (NS7O). Where was Maine? I missed it two years in a row (KE8KG). Between football, beer, pool and food, we managed to get a clean sweep. It was the first time in several years (WA6EZV/8). I do not contest often, but had a ball for the eight hours I could spare (N8FXH). This was my first clean sweep ever! (N9AEJ). A



clean sweep with a trap dipole is tough! (KY9W). I went to bed at 0930 and set the alarm for 1130. I didn't wake up until 1530. I lost my last four hours! (KØFRP). This was my first entry in SS. The 24 hours seems like a long time when single op! (AF9T). I went to bed Sunday morning with 75 mults. I didn't get the sweep until the last 25 minutes of the contest. Great fun (KMØL). Only the top US ops knew what a real horse race this was—the great '88 shoot out! (KØDD). Finally, a clean sweep! (VE6NN).

Scores

CW scores are listed first, followed by phone. Within each call area, scores are listed by ARRL sections. Within each section, single operator scores are listed first in decending numerical order, followed by multioperator scores. Each line score lists call sign, final score, number of QSOs, number of sections worked, hours operated and output power used (A = 150 watts or less, B = more than 150 watts, Q = 5 watts or less). Example in Connecticut, W1WEF worked 983 stations in 76 sections for a final score of 149,416 points. He operated for 24 hours and used more than 150 watts.

CW

1

Connecticut

W1WEF	149,416-	983-	76-	24-	B
K1CC	138,624-	912-	76-	24-	A
K1XA	124,950-	833-	75-	23-	B
K1TO	121,800-	812-	75-	15-	B
K1WB	101,952-	708-	72-	24-	A
K1YRP	101,672-	716-	71-	23-	A
K1IN	97,820-	670-	73-	17-	B
W1ECH	92,400-	616-	75-	22-	A
KG1D	70,416-	489-	72-	12-	B
KH6CP/1	70,004-	473-	74-	24-	Q
K1RM	65,088-	452-	72-	7-	B
N8RA	53,568-	372-	72-	14-	B
N1JW	51,830-	355-	73-	14-	A
KA1MWX	37,788-	282-	67-	18-	A
W1BIH	30,222-	207-	73-	4-	B
WA1FCN	26,760-	223-	60-	5-	A
K1NYK	21,728-	194-	56-	5-	A
W1TKG	17,920-	160-	56-	11-	A
N4XR	15,840-	120-	66-	24-	B
K1BV	15,794-	149-	53-	3-	B
NC1E	12,512-	136-	46-	4-	B
K1KI	10,500-	150-	35-	2-	B
KA1JAN	9,660-	105-	46-	4-	A
WA3VIL	9,212-	98-	47-	8-	A
KA1SAG	3,700-	50-	37-	24-	A
KA1CV	3,472-	56-	31-	18-	Q
KA1RPQ/N	1,188-	27-	22-	12-	A
KA1MIS/T	160-	10-	8-	3-	A
NJ2L (+K1TO)	72,668-	491-	74-	11-	B

Eastern Massachusetts

W2SC	118,400-	800-	74-	23-	A
KA1OR	91,800-	612-	75-	24-	B
W1FM	82,218-	579-	71-	18-	A
WA1OLV	72,988-	514-	71-	20-	A
K1BT	67,488-	456-	74-	17-	A
W1KEE	66,896-	452-	74-	23-	A
K1NTR	65,262-	447-	73-	14-	A
KT2E	64,610-	455-	71-	15-	A
KB1VL	40,460-	289-	70-	15-	A
N1DC	37,240-	266-	70-	16-	A
W1MJ	35,466-	257-	69-	10-	Q
KQ1F	35,088-	258-	68-	11-	A
N1IR (WA3ZTW,op)	34,170-	255-	67-	8-	B
AD1Z	30,552-	228-	67-	13-	A
N1RC	28,908-	219-	66-	8-	A
K1OM	28,200-	235-	60-	12-	A
W1AX	24,800-	200-	62-	3-	B
K1SEC	17,952-	176-	51-	5-	A
K1XM	17,202-	141-	61-	3-	A
W1TUM	7,224-	84-	43-	7-	A
W1SR	6,688-	76-	44-	4-	A
W1IMQ	6,210-	69-	45-	17-	A
N1EDM	6,084-	78-	39-	4-	A
K2PNK	4,480-	64-	35-	4-	A
W1PLJ	3,712-	58-	32-	5-	B
W1BK	1,120-	28-	20-	6-	A

Maine

KX1E	75,210-	545-	69-	21-	A
K1BZ (N1ATN,op)	42,380-	326-	65-	12-	A
K1MZB	32,696-	268-	61-	5-	B
N1AFC	21,720-	181-	60-	17-	Q
KA1ZX	13,320-	111-	60-	24-	A

New Hampshire

N1ELN	108,770-	745-	73-	24-	A
K1AR	87,468-	591-	74-	10-	B
KC1F	59,200-	400-	74-	9-	A
KK1E	50,112-	348-	72-	12-	A
KB1T	29,036-	238-	61-	10-	B
K1TR	25,976-	191-	68-	4-	A
AC1J	1,496-	34-	22-	2-	A
K1OSM (+KI1M)	45,640-	326-	70-	14-	A

Rhode Island

KM1X	118,992-	804-	74-	24-	B
K1IU	82,656-	574-	72-	13-	B
K6IM/1	54,020-	370-	73-	20-	B
K1VSJ	46,718-	329-	71-	12-	A
KD2SX/1	41,942-	313-	67-	7-	B
K2MN	16,940-	154-	55-	7-	A
KA1DNB	11,236-	106-	53-	8-	A
W1RFQ	8,450-	65-	65-	8-	A
W1OP (K1DS,KA1RSH,N1AKO,W1GS,ops)	74,382-	539-	69-	19-	B

Vermont

WA1GUV	19,116-	177-	54-	6-	Q

Western Massachusetts

KZ1M	110,084-	754-	73-	24-	B
KB1W	100,500-	670-	75-	14-	A
K1FIR	3,720-	60-	31-	3-	B

2

Eastern New York

WB2Q	149,700-	998-	75-	24-	B
K8HVT/2	126,600-	844-	75-	24-	B
N1CC	118,104-	798-	74-	23-	B
N2AZS	114,450-	763-	75-	23-	A
WA2STM	107,850-	719-	75-	20-	A
W2JU	100,950-	673-	75-	20-	B
N2HIF	70,650-	471-	75-	13-	A
N2DU	47,286-	333-	71-	17-	A
KW2D	46,576-	328-	71-	17-	A
NW2J	41,676-	302-	69-	10-	A
AA2Y	39,438-	313-	63-	17-	A
W2DW	32,640-	240-	68-	8-	A
WE2G	26,352-	183-	72-	12-	A
W2NRD	22,644-	153-	74-	15-	A
WA2CJY	9,512-	116-	41-	4-	A
WB2SPN	8,528-	104-	41-	7-	A
KD2IX	7,728-	92-	42-	12-	Q
WD2K	3,960-	60-	33-	12-	A
K2CIB	2,352-	42-	28-	2-	A
KB2EMB	1,520-	40-	19-	14-	A

NYC—Long Island

KC2AG	133,760-	880-	76-	24-	B
KD2RD	125,400-	836-	75-	24-	B
N2AU	105,750-	705-	75-	22-	B
N2MG	99,308-	671-	74-	24-	A
KC2FD	92,304-	641-	72-	24-	B
WB2AMU	48,960-	340-	72-	22-	A
W2KTF	27,264-	213-	64-	5-	A
W2DX	26,390-	203-	65-	8-	B
K2HVN	9,800-	70-	70-	5-	A
K2YGM	9,522-	69-	69-	7-	A
WD2R	3,172-	61-	26-	4-	A

Northern New Jersey

KZ2S	154,800-	1032-	75-	24-	B
W2GD	144,450-	963-	75-	24-	A
W2RQ	110,400-	736-	75-	21-	A
AA2U	92,850-	619-	75-	24-	Q
NW2D	91,960-	605-	76-	21-	B
NS2K	79,520-	560-	71-	24-	A
WA2S	73,416-	483-	76-	21-	A
W2HCA	48,300-	322-	75-	16-	A
KT2D	42,432-	312-	68-	18-	A
W2KWW	29,670-	215-	69-	13-	A
N2HDY	23,936-	187-	64-	24-	A

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KW4E 23,010- 177- 65- 7- A
KR2J 21,720- 181- 60- 5- A
W2TI 19,910- 181- 55- 6- A
WA2UDT 19,152- 152- 63- 7- B
WAØQOA/2 17,024- 152- 56- 12- A
K2VX 8,352- 87- 48- 2- A
W2JEK 4,070- 55- 37- 5- Q
K2GE (K2FD,op) 3,456- 72- 24- 6- A
N2IEH 1,536- 32- 24- 10- A
K2GQ (W2QR,WA2NXW,WB2JBZ,WF2O, K3FKX,ops) 15,370- 145- 53- 14- A

Southern New Jersey

N2MM 105,000- 700- 75- 22- A
AB2E 104,784- 708- 74- 23- B
W2LYL 96,064- 632- 76- 20- A
WA2VYA 93,024- 612- 76- 24- A
KA2BOP 88,622- 607- 73- 20- B
W5KI 66,900- 446- 75- 21- A
W2PAU 53,874- 369- 73- 12- B
K2OSV 46,480- 332- 70- 17- B
N2GZL 44,530- 305- 73- 10- Q
WB2DIN 42,884- 302- 71- 14- B
K2HPV 38,780- 277- 70- 13- Q
WB2R 35,496- 261- 68- 18- A
KC2TA 32,818- 269- 61- 12- A
N2EZ 24,544- 208- 59- 15- A
W3ELJ 17,820- 162- 55- 9- A
N2GUW 14,688- 136- 54- 6- A
K2KED (WB2YOF,op) 13,208- 127- 52- 7- A
N2BCF 12,240- 120- 51- 5- A
K2TD 8,514- 99- 43- 3- A
W2EA 3,600- 60- 30- 3- A
N2NU (+WA2IUO) 112,566- 771- 73- 24- B

Western New York

W2TZ 138,150- 921- 75- 24- A
K2ZJ 134,700- 898- 75- 24- A
WJ2O 93,586- 641- 73- 23- B
NM2L 89,668- 606- 74- 24- Q
KW2J 83,028- 561- 74- 22- B
K2MQY 74,592- 504- 74- 21- A
WF2W 66,528- 462- 72- 22- A
W2RR (WB2YQH,op) 64,080- 445- 72- 18- B
WA2EYA 55,200- 400- 69- 20- A
K2UNR 52,080- 372- 70- 10- B
W2HPF 47,886- 347- 69- 8- B
N2GU 40,896- 284- 72- 13- A
NM2J 38,448- 267- 72- 17- B
W2FR 36,680- 262- 70- 8- A
KD2YP 21,700- 175- 62- 14- A
NW2I 18,724- 151- 62- 15- Q
W2MTA 10,600- 100- 53- 12- A
K2XU 10,074- 73- 69- 5- A
W2OMV 7,680- 96- 40- 6- A
KK2B 7,200- 60- 60- 6- A
WB2ABD 4,810- 65- 37- 1- B
W2HG 4,366- 59- 37- 2- B
WB2PSI (K2s MP,OS,KD2OM,KE2CP, W2AV,WA2s AUY,DHS,IKC,ZKD,ZQN, WB2s KAO,QCJ,ops) 117,344- 772- 76- 24- B
K2DB (+K2ZR) 78,144- 528- 74- 24- B

3

Delaware

N8NA 129,808- 854- 76- 24- B
K3WUW 111,568- 734- 76- 22- B
KQ5G 52,560- 360- 73- 16- B
K3HBP 33,184- 244- 68- 8- A

Eastern Pennsylvania

AA3B 117,600- 784- 75- 24- B
KS3F 104,880- 690- 76- 21- B
K3NW 95,460- 645- 74- 20- A
K3MQH 91,732- 646- 71- 24- A
KC3M 88,920- 585- 76- 23- A
WA3JLD 81,992- 554- 74- 22- A
N2EY 79,776- 554- 72- 24- A
K3TX 76,160- 544- 70- 24- B
KY3M 50,304- 393- 64- 16- A
KY3T 49,348- 338- 73- 18- B
KA3SIO 47,740- 341- 70- 9- B
WA3YON 46,860- 330- 71- 19- A
WA3RTY 43,746- 317- 69- 21- A
KB3JK 28,060- 230- 61- 12- B
NK3Z 25,350- 195- 65- 14- A
NJ3N 24,360- 203- 60- 11- A
KR3I 18,544- 152- 61- 9- A
KA3QYH 14,308- 146- 49- 12- A
K3VW 13,328- 119- 56- 24- Q
W3CEI 11,760- 120- 49- 8- A
WB3KXM 10,406- 121- 43- 12- A
AG3G 10,028- 109- 46- 7- A
NR3Z 9,900- 99- 50- 9- Q
KD3GC 9,212- 98- 47- 15- A
N3CZB 4,366- 59- 37- 5- A
K3WW (+NET) 46,324- 313- 74- 11- B
WB3ESR (+K3USV) 41,580- 330- 63- 13- A
KM3D (+WB3IGS) 11,040- 120- 46- 9- A

Maryland—DC

W3LPL 163,096- 1073- 76- 24- B
KE3Q 141,450- 943- 75- 24- B
KS1G 138,000- 920- 75- 24- B
K3TM 103,514- 709- 73- 24- A
WB2EKK 89,644- 614- 73- 13- B
W3GN 86,488- 569- 76- 19- B
W3HVQ 49,680- 360- 69- 13- B
K3SA 42,000- 300- 70- 8- B
WA8MCQ 39,900- 266- 75- 17- Q
WB3BRF 34,920- 291- 60- 9- A
K3DI 21,384- 198- 54- 5- A
W3CPB 4,680- 60- 39- 8- A
WA3GYW 1,968- 41- 24- 4- Q
W3FQE 1,364- 31- 22- 5- B
WB3JRU (+KC3AJ) 17,556- 154- 57- 4- A

Western Pennsylvania

K3LR 172,216- 1133- 76- 24- B
K5ZD 166,650- 1111- 75- 24- B
K3TUP (K3UA,op) 162,600- 1084- 75- 24- B
KA3MMM 65,262- 447- 73- 24- A
W3HDH 39,450- 263- 75- 8- A
N3EQF 26,650- 205- 65- 10- B
NJ3K 21,700- 175- 62- 14- A
N3GLK 2- 1- 1- 1- B

4

Alabama

WZ4F 168,112- 1106- 76- 24- B
KC4ZV 110,960- 730- 76- 23- A
NB9P 39,192- 276- 71- 12- A

Georgia

K4BAI 140,904- 927- 76- 24- B
N8LM 76,608- 532- 72- 21- A
W4GOG 69,696- 484- 72- 17- A
AA4VD 68,550- 457- 75- 18- A
WB4UIH 64,084- 433- 74- 19- A
K3PI 62,488- 428- 73- 24- Q
AB4FX 56,304- 391- 72- 24- A
KB4GID 55,500- 370- 75- 23- Q
KA7LKV 41,072- 302- 68- 16- Q
N4CXF 40,602- 303- 67- 17- A
ND1J 26,780- 206- 65- 23- Q
KI4Y 17,820- 135- 66- 8- A
N4RJ (+KM9P) 167,352- 1101- 76- 24- B

Kentucky

WM4T (KU8E,op) 147,556- 997- 74- 24- B
N4XM 108,336- 732- 74- 24- B
K4FU 102,600- 684- 75- 23- A
KC4WQ 90,958- 623- 73- 21- A
N1WR 83,768- 566- 74- 24- A
N4OGW 82,350- 549- 75- 20- A
WB4FOT 76,650- 525- 73- 20- A
N4TY 41,138- 307- 67- 6- B

North Carolina

K4PQL 146,100- 974- 75- 24- B
AA4NC 139,050- 927- 75- 23- B
K8AC 126,150- 841- 75- 24- B
N4AA 113,088- 744- 76- 23- A
WA4FFW 97,800- 652- 75- 23- A
K4JEX 93,600- 624- 75- 19- A
W8UT 52,360- 385- 68- 15- A
NK4Q 38,924- 263- 74- 21- Q
KY2P/4 36,852- 249- 74- 9- A
WB5M 33,660- 306- 55- 12- A
N4MPQ 9,180- 85- 54- 10- A
NJ4R 5,390- 77- 35- 8- A
N4QVM 612- 18- 17- 17- A

Northern Florida

N4WW (KØLUZ,op) 160,200- 1068- 75- 24- B
WC4E 130,568- 859- 76- 24- A
K4XS 128,908- 871- 74- 24- A
W4RVU 50,688- 352- 72- 16- A
NX4N 50,646- 367- 69- 6- B
WA4SSB 44,020- 310- 71- 12- A
K9BB/4 43,512- 294- 74- 15- A
K4VRT 34,048- 266- 64- 12- A
WD4IIO 32,912- 242- 68- 9- A
WB8PAF 29,140- 235- 62- 17- Q
W2SHM 21,960- 180- 61- 6- B
N4EEB (+KB4T,K8SR) 130,950- 873- 75- 24- B

Puerto Rico

WP4FMH 29,158- 239- 61- 13- A
NP4XM 9,360- 104- 45- 15- A

South Carolina

KØEJ 121,500- 810- 75- 22- B
K4PYM 20,952- 194- 54- 8- A
W6OKX/4 8,330- 85- 49- 4- A
WF2G 6,478- 79- 41- 7- A

Southern Florida

N4BP 152,608- 1004- 76- 24- B
WD4AHZ 85,200- 568- 75- 24- A
K4MF 69,856- 472- 74- 19- Q
K1TN/4 67,340- 455- 74- 16- A
WB9OEP 26,624- 208- 64- 10- A
KK4DK 24,552- 198- 62- 17- A
W1UCI/4 17,700- 150- 59- 15- A
W4YN 3,400- 50- 34- 3- A
KO4D 1,650- 33- 25- 2- B

Tennessee

AA4DO 138,776- 913- 76- 24- B
K4LTA 136,800- 912- 75- 24- B
N4IR 106,704- 702- 76- 24- A
N4ZZ 97,720- 698- 70- 12- B
K4OAQ 74,314- 509- 73- 15- A
K3CQ 70,448- 476- 74- 16- B
N4TG 36,856- 271- 68- 7- A
W4AY (WA4ZZU,op) 7,410- 95- 39- 9- B

Virginia

K1ZZI 124,172- 839- 74- 24- B
AA4UJ 106,856- 703- 76- 24- B
AA4FF 104,700- 698- 75- 23- A
W4YE 102,600- 675- 76- 18- A
K4BAM 84,064- 568- 74- 23- A
NK5I 82,200- 548- 75- 21- A
W4MYA 78,292- 529- 74- 20- Q
WD4JHY 73,296- 509- 72- 18- A
N3OS 55,440- 396- 70- 15- A
W4FOA 47,888- 328- 73- 18- Q
W4XD 39,032- 287- 68- 14- Q
K4FPF 36,778- 259- 71- 11- A
N4ZR 33,930- 261- 65- 7- A
KX4V 32,700- 218- 75- 12- Q
W4HM 23,270- 179- 65- 7- A
K4OD 19,608- 172- 57- 6- B
WD4MUR 11,250- 75- 75- 13- A
N3JT 10,082- 71- 71- 3- B
N4SMB 6,162- 79- 39- 11- A
N3AVA 4,650- 75- 31- 2- B
N3RC 3,348- 54- 31- 2- A
WB4BLJ 330- 15- 11- 4- A
K4IX(+KC4ACB,KK4FV,N4QYK,W4HIR, WA4GDB,WB4ENE,W8RJL,KØJH) 75,450- 503- 75- 24- A
W4RV (+K1FR) 36,300- 275- 66- 14- A

Virgin Islands

KV4FZ (N6OP,op) 144,892- 979- 74- 24- A

5

Arkansas

K5GO 127,832- 841- 76- 24- A
KM5G 100,010- 685- 73- 24- A
W9OBF 83,232- 578- 72- 23- A
WA5VBE 15,792- 141- 56- 8- A
W5KL 10,486- 107- 49- 3- B
WC5N (+N5NHU,W5EW) 105,228- 711- 74- 24- B

Louisiana

WC5D 96,976- 638- 76- 24- A
NT5G 77,256- 522- 74- 18- A
NO5W 32,240- 248- 65- 17- Q
AA5HV 1,364- 31- 22- 6- A

Mississippi

W5XX 107,850- 719- 75- 23- A
K4VFY/5 (N4EVS,op) 89,644- 614- 73- 24- Q
WA5OYU 66,748- 451- 74- 24- A
WQ5L 26,792- 197- 68- 6- A
AC5R 13,208- 127- 52- 6- A

New Mexico

AA5B 134,250- 895- 75- 24- A
KI3L 78,110- 535- 73- 12- A
W5YZ 76,500- 510- 75- 18- A
KT5X 53,600- 400- 67- 7- A
WD5CAW 33,550- 275- 61- 12- B
W5TTE 24,278- 199- 61- 10- Q
KD5VV (+K5QQ,AI9X) 97,680- 660- 74- 13- B

North Texas

N5AU (WN4KKN/5,op) 170,088- 1119- 76- 24- B
WM5G (KRØY,op) 169,800- 1132- 75- 24- B
N5RZ 157,200- 1048- 75- 24- B
K5RX (AA5DX,op) 146,250- 975- 75- 24- B
KC5DX (WQ5W,op) 139,536- 918- 76- 24- B
KW5P 131,400- 876- 75- 24- B
N5AW 107,250- 715- 75- 23- A
W5ONL 107,100- 714- 75- 21- B
KO9Y/5 88,848- 617- 72- 22- A
W5FO 85,988- 581- 74- 14- B
W5UDA 84,064- 568- 74- 20- B
N5RM 76,796- 526- 73- 12- B
K5MR 76,220- 515- 74- 13- B
NN5T 52,128- 362- 72- 18- A
K5WXZ 46,920- 340- 69- 16- A
KA5W 42,768- 297- 72- 11- A
KT5V 37,728- 262- 72- 10- A
W5TB 31,680- 220- 72- 23- Q
N3BAO 22,984- 169- 68- 18- A
NT5V 20,416- 176- 58- 12- A
KL7FDQ/5 11,448- 106- 54- 7- A

Oklahoma

KM5H 101,972- 689- 74- 24- A
WM4Z 95,046- 651- 73- 20- A
K5CM (+N5s CG,KW) 163,248- 1074- 76- 24- B

South Texas

WB5BIR 133,912- 881- 76- 24- B
AD5Q 131,850- 879- 75- 24- B
W5ASP 121,904- 802- 76- 21- B
K5LZO 118,408- 779- 76- 15- B
KG5U 115,350- 769- 75- 18- B
K5WA 106,096- 698- 76- 24- B
W5WQN 100,962- 711- 71- 24- B
KN5A 96,712- 628- 77- 16- B
W5XD 92,016- 639- 72- 24- B
NT5D 84,064- 568- 74- 24- A
AC5K 68,080- 460- 74- 21- Q
K5DX 61,776- 429- 72- 12- B
W5LXG 53,600- 400- 67- 11- A
W5NR 39,760- 280- 71- 14- B
N5KAE 37,524- 318- 59- 11- A
WA9YLB/5 32,640- 240- 68- 19- Q
K2UA/5 29,264- 248- 59- 6- B
WX5I 17,360- 140- 62- 14- A
KC5M 10,780- 110- 49- 8- A
NV5L 2,800- 50- 28- 2- A
W5EHM (KB1CM,AA5BT,KG5KI,ops) 119,732- 809- 74- 24- B
KC5CP (+N5EY) 89,376- 588- 76- 23- B

West Texas

N4DW 111,300- 742- 75- 23- A
W5VGX 33,410- 257- 65- 8- Q
KT5H 31,222- 233- 67- 13- A
WA5MFI 24,056- 194- 62- 10- A
WF5E (K5CFA,NQ5C,NV5R,ops) 142,950- 953- 75- 24- B

6

East Bay

K6PJY 105,228- 711- 74- 23- A
N6EK 99,752- 674- 74- 24- A
KS6H 98,100- 654- 75- 23- B
K6ATV 62,196- 426- 73- 16- A
K6CSL 26,880- 210- 64- 19- A
N7AZU 25,376- 208- 61- 13- A
N6SKF 24,948- 198- 63- 8- A
N6RO 8,064- 96- 42- 2- B

Los Angeles

W6AQ (WA6OTU,op) 160,968- 1059- 76- 24- B
NE6I 131,936- 868- 76- 24- A
N6PN 121,952- 824- 74- 24- A
N6HC 98,404- 674- 73- 21- A
KE6B 77,526- 531- 73- 20- A
N6GL 50,400- 350- 72- 21- A
WA6FSF 48,848- 344- 71- 13- A
WB6JJE 39,712- 272- 73- 15- Q
W6FA 31,284- 237- 66- 10- A
N6RVC 12,800- 128- 50- 13- A

Orange

K7JA 109,288- 719- 76- 17- A
K6HRT 41,208- 303- 68- 17- A
W6HAL 40,170- 309- 65- 17- A
WB6YNI 38,778- 281- 69- 13- A
K6WS 29,920- 220- 68- 10- A
W6SX 25,016- 212- 59- 3- B
WB6OWD 4,810- 65- 37- 13- A
KB6YAR 112- 8- 7- 4- A

Pacific

AH6AZ 102,300- 682- 75- 21- B
KG6DX 60,208- 424- 71- 20- B
AH6JF 26,078- 221- 59- 22- B
WH6I 7,396- 86- 43- 4- A
AH6IO 7,332- 94- 39- 14- A

Santa Barbara

W2KVA/6 91,104- 624- 73- 20- B
WA6FGV 82,080- 570- 72- 19- A
W7CB 77,404- 523- 74- 13- B
W6TKF 65,888- 464- 71- 14- B
K6MP 60,336- 419- 72- 13- B
VE3AWE/W6 54,576- 379- 72- 12- B
N6NMH 23,436- 186- 63- 10- B
N6MW 16,912- 151- 56- 5- A
N6VR (+NM5M,AC6T,NS6X) 136,800- 912- 75- 24- B

Santa Clara Valley

N6BT (N6TV,op) 148,504- 977- 76- 24- B
N6SJ 116,920- 790- 74- 24- A
N6NF 112,480- 760- 74- 19- A
NS6V 102,268- 691- 74- 16- B
N6ZB 101,850- 679- 75- 22- B
AD6E 93,900- 626- 75- 23- A
W6IO 80,512- 544- 74- 20- Q
W6ISQ 54,168- 366- 74- 10- B
WA6CUX 29,172- 221- 66- 9- A
N6PT 21,912- 166- 66- 12- A
W6PRI 18,900- 150- 63- 24- Q
W6PLJ 17,280- 144- 60- 17- A
W6IGU 6,240- 80- 39- 7- A
WB6QKG 6,020- 70- 43- 5- A
NY6C (+KI6KT,WA9ZBV) 125,400- 836- 75- 24- B

San Diego

K6NA 166,744- 1097- 76- 24- B
N6ND (NI6W,op) 153,450- 1023- 75- 24- B
W6UQF 116,250- 775- 75- 24- A
W6MVW 65,554- 449- 73- 23- A
W6JXA 35,778- 267- 67- 9- A
W6QX 34,560- 240- 72- 20- Q
KI6ZH 29,040- 220- 66- 24- Q
AA6EE 27,008- 211- 64- 8- A
W6JVA 5,396- 71- 38- 3- A

San Francisco

W6JTI 113,664- 768- 74- 24- A
K6LRN 37,380- 267- 70- 9- B
WA8LLY 12,064- 116- 52- 6- Q
KE6WL 10,600- 100- 53- 10- B
W6BIP (+KK1A) 96,824- 637- 76- 19- B

San Joaquin Valley

WA6IQZ 48,528- 337- 72- 20- A
KA6LAC 7,998- 93- 43- 6- A
WB6ITM 3,600- 50- 36- 2- Q

Sacramento Valley

N6IG 169,328- 1114- 76- 24- B
KV6H 113,848- 749- 76- 23- B
N6JV 113,100- 754- 75- 24- B
N4KS/6 107,712- 748- 72- 24- B
K6SG 86,284- 583- 74- 23- B
W6NKR 78,440- 530- 74- 17- B
K6BPB 56,856- 412- 69- 20- A
NB6G 14,700- 147- 50- 3- B
W6EGX 9,800- 70- 70- 24- A

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Alaska

AL7CQ 125,248- 824- 76- 24- B
NL7DQ 54,264- 399- 68- 14- A
NL7DU 44,744- 329- 68- 19- A
KL7UR 31,872- 249- 64- 16- A

Arizona

KY7M 164,700- 1098- 75- 24- B
K6LL 164,400- 1096- 75- 24- B
K7GM 164,008- 1079- 76- 24- B
N7CPL 68,328- 468- 73- 20- A
KD7E 61,466- 421- 73- 24- Q
N7IR 27,264- 213- 64- 15- Q
NN7A 10,400- 100- 52- 6- A
W7ZMD 6,000- 75- 40- 24- A
W2HTX 2,700- 50- 27- 2- A

Idaho

WO7Y 113,700- 758- 75- 24- A
W7ZRC 81,072- 563- 72- 16- A
KN7K 65,536- 512- 64- 14- B
KK7A 61,320- 420- 73- 23- Q
KA7NOC 4,884- 74- 33- 4- A
WS7U 2,600- 50- 26- 7- Q

Montana

KØPP/7 125,504- 848- 74- 20- B
KS7V 97,528- 668- 73- 21- A
KS7T 92,016- 639- 72- 21- B
KE7X 90,150- 601- 75- 24- Q
W7LR 600- 20- 15- 1- A

Nevada

NC7K 70,596- 477- 74- 13- A
AE7K 68,728- 484- 71- 24- A
NF7P (+NET) 161,250- 1075- 75- 24- B

Oregon

W7NI (N6TR,op) 170,240- 1120- 76- 24- B
K5MM/7 162,450- 1083- 75- 24- B
W7YAQ 127,528- 839- 76- 24- A
K7FD 39,680- 310- 64- 21- B
N7ENU 35,088- 258- 68- 12- A
K7DBV 22,806- 181- 63- 8- Q
W7IMP 13,664- 122- 56- 11- B
K7GDN 13,520- 130- 52- 12- A
AI7W 13,250- 125- 53- 10- A
N7DG 6,760- 65- 52- 9- B
W7WHY 5,772- 74- 39- 6- B

Utah

W7CFL 101,808- 707- 72- 17- B
N7IUN 29,808- 216- 69- 11- A
WB7TJI 28,990- 223- 65- 14- A
KK7C 23,280- 194- 60- 10- Q
N7KPR/T 312- 13- 12- 7- A
W7MR (+KE7RU,KF7IM,WE7s B,D,WJ7M,WK7V) 121,656- 822- 74- 24- B

Washington

KR7G 142,820- 965- 74- 24- B
WA7RKJ 130,608- 907- 72- 24- B
K7LXC 111,000- 750- 74- 24- A
K7NW 91,980- 630- 73- 19- A
N4SL 90,132- 609- 74- 22- A
W7LKG 78,144- 528- 74- 24- B
N7ETC 75,180- 537- 70- 20- A
N6CY 74,736- 519- 72- 20- A
K7WA 62,652- 454- 69- 12- A
N7LOX 57,960- 420- 69- 20- A
N6MZ 51,696- 359- 72- 16- A
WA7EGA 51,520- 368- 70- 24- Q
NØAX 50,976- 354- 72- 20- Q
N7KZN 41,538- 301- 69- 14- A
W7HWR 37,128- 273- 68- 13- A
W7BYK 36,850- 275- 67- 12- A
KF7MD 33,902- 253- 67- 24- A
K7XX 33,390- 265- 63- 8- B
N7EPD 33,108- 267- 62- 7- A
N7DM 29,832- 226- 66- 12- Q
N7HUS 26,664- 202- 66- 11- A
N6CHU/7 22,428- 178- 63- 11- A
N7GGJ 16,956- 157- 54- 15- Q
W7KJ 9,000- 100- 45- 5- Q
W7IEU 5,880- 70- 42- 5- A
KD7GB 2,800- 50- 28- 5- A
K7BFL 2,484- 46- 27- 3- Q
W7HX 1,872- 36- 26- 2- A
KE7C (+N5HSG,WB7OJV) 111,740- 755- 74- 24- A
K2ØØLED (K7ND,KA7CSE,N7NW,NU7Z, W7EVS,WA7UVJ,WM7N,ops) 75,970- 535- 71- 24- A
KE7LE (+N7KLX) 24,676- 199- 62- 12- A

Wyoming

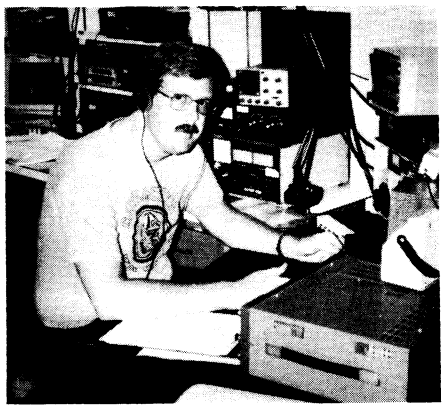
K7MM 128,464- 868- 74- 24- A
WØETT/7 86,256- 599- 72- 21- A
KZ7V 29,700- 225- 66- 21- A
N3AHA/7 20,900- 190- 55- 7- A
NC7O 6,536- 76- 43- 4- A
WG7Z (+KB7AWM) 77,816- 548- 71- 22- A

8

Michigan

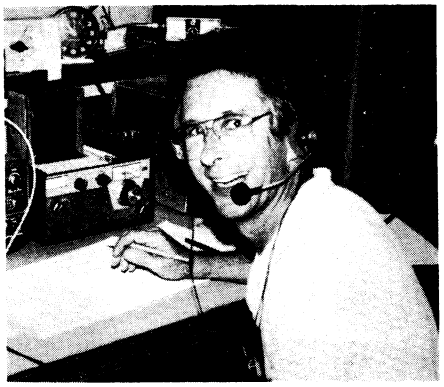
K8CC 156,436- 1057- 74- 24- B
K8DD 103,008- 696- 74- 23- B
W8UMP 94,572- 639- 74- 24- A
W8TJQ 87,172- 589- 74- 24- A
KJ8A 84,096- 584- 72- 21- A
K8SB 77,672- 532- 73- 22- A
K8RDJ 64,368- 447- 72- 20- A
W8VPC 60,006- 411- 73- 18- B

From May 1989 QST © ARRL



Jim, N6IG, operated both modes.

Dee, N8JLT, talking her turn at the controls of multiop station WB8SMC/KH6.



John, K6GSS/KH6, smiles from his operating position in Hawaii.

K8SAK 57,936- 408- 71- 18- A
WA8VEB 54,244- 382- 71- 19- A
W8QM 52,302- 379- 69- 23- B
K8CV 48,528- 337- 72- 19- A
KW8G 44,238- 303- 73- 17- A
WB8AAX 42,600- 300- 71- 19- Q
WA8YPY 42,504- 308- 69- 20- A
W8EGI 34,544- 254- 68- 13- A
K8SIA 26,352- 216- 61- 7- A
KE8RA 24,400- 200- 61- 12- A
KA8GOM 21,594- 183- 59- 14- A
N8HSN 20,648- 178- 58- 24- A
W8VWY 19,520- 160- 61- 8- Q
N8LA 16,302- 143- 57- 13- Q
K8MVZ 12,208- 109- 56- 8- A
W8WVU 9,000- 100- 45- 3- A
WK8V 8,740- 115- 38- 6- Q
KA8IZE 8,352- 87- 48- 19- A
WA8FRD 6,080- 80- 38- 11- A
KD8FR 3,120- 52- 30- 6- Q
W8ROS 2,296- 41- 28- 4- A
NX8K 1,452- 33- 22- 17- A
WA8QCW 884- 26- 17- 3- A
WJ8J 768- 24- 16- 14- A
WB8IFD 192- 12- 8- 10- A
KA8YVW 50- 5- 5- 3- A
NE8O (+KA8JBK) 94,544- 622- 76- 24- A

Ohio

KW8N 156,712- 1031- 76- 24- B
W8FN 132,016- 892- 74- 24- B
K8BL 130,720- 860- 76- 24- A
K8MR 121,600- 800- 76- 18- B
WB8PHI 93,520- 668- 70- 22- B
W8UPH 79,716- 546- 73- 23- B
WA8TMK 68,620- 470- 73- 23- A
W8PN 62,640- 435- 72- 19- A
W8IDM 53,136- 369- 72- 19- Q
N8AM 40,576- 317- 64- 14- A
NS8O 36,432- 253- 72- 17- A
W8EAR 36,224- 283- 64- 15- A
W8KIC 33,370- 235- 71- 6- A
W8XT 32,776- 241- 68- 17- A
KC8JH 18,900- 150- 63- 24- A
W8KRR 11,552- 76- 76- 11- A
AF8C 11,136- 116- 48- 7- A
WA8RCN 7,800- 100- 39- 4- A
WD8AJF 7,740- 90- 43- 7- A
W8EDU (AF8A,N8ARD,WB8WTS,ops) 114,150- 761- 75- 24- B
WB8SMC (KA8YLY,N8s JLT,IWC,NC8Q, NR8C,W8ILC,WB8QVC,ops) 72,816- 492- 74- 24- A
WA8M (+KF4AV,NU8U) 27,032- 218- 62- 11- A

West Virginia

KB8FJ 90,000- 625- 72- 15- B
W4NW 71,852- 506- 71- 12- A
W8JWX 30,552- 228- 67- 9- Q
NJ8J 21,360- 178- 60- 9- A
KE8SF 20,020- 182- 55- 8- A
KA8MWW 24- 4- 3- 4- A

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Illinois

AG9A 150,936- 993- 76- 24- B
K9KM 150,450- 1003- 75- 24- B
K4XU/9 133,200- 888- 75- 23- A
AC9C 127,200- 848- 75- 24- A
KS9O 120,324- 813- 74- 24- B
N9AEJ 119,550- 797- 75- 24- B
K9UIY 118,200- 788- 75- 24- A
K9LJN 115,440- 780- 74- 24- B
WB9JKI 103,896- 702- 74- 24- A
K9HDE 87,912- 594- 74- 22- B
WA9TPQ 87,080- 622- 70- 24- A
WB8SVN 84,972- 582- 73- 24- A
NA9J 80,550- 537- 75- 18- B
KC9T 66,598- 469- 71- 12- A
N9JF 66,008- 446- 74- 18- A
K9JU 64,094- 439- 73- 24- Q
WB9VLV 61,100- 470- 65- 23- A
W9LNQ 56,832- 384- 74- 14- A
N2CKZ 53,392- 376- 71- 19- A
KA9LTR 51,100- 350- 73- 17- A
W9LO 46,576- 328- 71- 17- Q
K9CC 44,640- 310- 72- 12- Q
WD9AFL 43,808- 296- 74- 24- A
AG9E 42,704- 314- 68- 19- A
K9PPW 36,846- 267- 69- 10- A
NA9I 35,968- 281- 64- 14- A
K9UQN 35,154- 279- 63- 11- A
WB9HBI 27,720- 220- 63- 9- A
W9ZEN 24,278- 199- 61- 11- A
KG9N 22,400- 200- 56- 3- A
W9REC 17,956- 134- 67- 6- A
W9EBY 10,658- 73- 73- 24- A
WA9AXL 10,512- 73- 72- 8- A
W9AGM 2,900- 50- 29- 3- A
ND9X 2,852- 46- 31- 7- Q
NM9C 2,520- 45- 28- 24- A
KA9NZI 520- 20- 13- 4- Q
KB9BMW/T 18- 3- 3- 7- A
WA0AVL (+N9CXQ) 103,660- 710- 73- 24- B
KJ9G (AK9N,KI9G,WE0B,ops) 75,600- 525- 72- 21- B
KG9Z (+KA9TNZ,KB9AFG,N9AX) 61,466- 421- 73- 18- A
AF9M (+KA9GIZ,N9RF,WB9RGZ) 59,478- 431- 69- 22- A
W9OO (WB8RFB,KA9JXU,ops) 31,500- 250- 63- 14- A

Indiana

KE9I 123,728- 814- 76- 24- B
AJ9C 93,632- 616- 76- 22- B
W9RE (WA8YVR,op) 86,240- 616- 70- 12- B
W9JOO 71,832- 492- 73- 23- A
WB6UAG/9 61,864- 418- 74- 22- B
N9ACD 60,760- 434- 70- 16- A
N9CSR 58,240- 416- 70- 19- A
NN9H 50,518- 377- 67- 21- Q
KM8I 43,824- 332- 66- 13- A
WB9CIF 28,910- 245- 59- 9- A
KR9V 26,838- 213- 63- 14- A
K9JWI 26,230- 215- 61- 16- A
KA9IRS 25,288- 218- 58- 15- B

Wisconsin

W2WOE/9 107,136- 744- 72- 23- B
W9NA 105,000- 700- 75- 15- B
K9CAN 99,572- 682- 73- 24- B
WA1UJU 95,460- 645- 74- 24- A
W9HE 94,024- 644- 73- 24- A
N9CIQ 93,388- 631- 74- 21- A
W9GHY 86,112- 598- 72- 24- B
AE9H 68,620- 470- 73- 22- A
N9NE 66,600- 450- 74- 20- Q
KT9W 65,888- 464- 71- 16- A
WB9HRO 63,280- 452- 70- 21- Q
K9OSH 59,670- 459- 65- 18- B
KB9S 58,220- 410- 71- 24- Q
NI9C 47,232- 328- 72- 17- Q
NA9M 44,446- 313- 71- 22- Q
N9HDE 42,458- 299- 71- 15- A
K9RR 42,000- 300- 70- 15- B
N0BSH/9 32,118- 303- 53- 15- A
WB9HGS 29,040- 220- 66- 18- B
NG9L 27,324- 207- 66- 7- A
K1TMM 27,068- 202- 67- 10- A
K9GDF 24,000- 200- 60- 3- A
W9KHH 20,800- 160- 65- 24- A
N9EZ 19,470- 165- 59- 5- A
N9CKC 18,560- 160- 58- 5- A
K9KR 16,800- 140- 60- 9- B
KB9W 1,540- 35- 22- 1- A
N9GBB 60- 6- 5- 3- A
W0AIH (K0FVF,K0TG,ops) 128,896- 848- 76- 24- B

0

Colorado

K0RF (W0UA,op) 176,250- 1175- 75- 24- B
N2IC 169,936- 1118- 76- 24- B
K0EU 145,950- 973- 75- 24- A
KN5H 136,012- 919- 74- 24- B
W0CP 133,304- 877- 76- 24- A
KC0D 132,422- 907- 73- 24- B
KJ0G 111,106- 761- 73- 24- B
W1XE 110,704- 748- 74- 24- A
AC0S 109,646- 751- 73- 21- B
K0FRP 85,118- 583- 73- 19- Q
WA2MNO 83,376- 579- 72- 24- A
N0FFZ 49,392- 343- 72- 22- A
N0CNV 48,714- 353- 69- 17- Q
KR0U 48,576- 352- 69- 17- Q
N0ZA 37,324- 301- 62- 14- B
W0GOR 35,108- 262- 67- 19- B
NX0Q 23,880- 199- 60- 15- Q
NQ0I 13,176- 122- 54- 4- B
AB0G 11,220- 110- 51- 9- A
NY0Q 10,922- 127- 43- 10- A
W0UAT 3,200- 50- 32- 4- A
KA0YXI 1,254- 33- 19- 4- A
N5OP (+K2NA) 81,750- 545- 75- 21- A

Iowa

W0WP 119,016- 783- 76- 24- A
NO0Z 31,878- 253- 63- 8- A
W0JTC 22,960- 205- 56- 12- A
WB0CHS 6,240- 78- 40- 5- B
WB0B 1,836- 34- 27- 4- Q
K0JGH (+KD0RT,N0ICI) 90,288- 627- 72- 24- B

Kansas

KB0G 152,250- 1015- 75- 24- B
K0VBU 110,556- 747- 74- 24- A
NW0F 30,192- 222- 68- 13- Q
WB0YJT 28,476- 226- 63- 19- A
WA4TWB 25,970- 245- 53- 4- B
N0FMR 21,120- 165- 64- 10- A
NE4F/0 17,520- 146- 60- 6- A
W0YRN 10,900- 109- 50- 11- A
W0BT 10,192- 98- 52- 11- A
NO0Y 270- 15- 9- 24- A
K0WA (+AB0S,W0CEM) 130,832- 884- 74- 24- B

Minnesota

N0AT 143,116- 967- 74- 24- B
W0AA (N0CIB,op) 127,376- 838- 76- 22- B
W0HW 117,216- 792- 74- 24- B
K0IJL 116,654- 799- 73- 22- B
W0UC 114,600- 764- 75- 24- A
WB0HCH 114,464- 784- 73- 24- B
WA0RBW 102,150- 681- 75- 19- B
KB0ZQ 93,440- 640- 73- 22- A
W0SA 87,696- 609- 72- 13- B
K0HB 85,410- 585- 73- 24- A
K0FZG 84,804- 573- 74- 24- A
KN0V 84,242- 577- 73- 17- A
K3WT 73,130- 515- 71- 15- A
N0NO 71,852- 506- 71- 12- A
K0AD 68,544- 504- 68- 16- B
K0TK 66,960- 465- 72- 9- B
KE0OL 43,594- 307- 71- 7- B
W0YHE 40,986- 297- 69- 19- Q
N0BG 35,980- 257- 70- 8- A
WJ0M 35,768- 263- 68- 21- A
W0HBE 35,508- 269- 66- 20- A
KG0B 30,418- 227- 67- 9- A
K0MPH 20,336- 164- 62- 5- A
K0VW 15,900- 150- 53- 5- A
WB0YUC 15,750- 125- 63- 9- A
KB0VP 12,168- 117- 52- 10- A
KF0T 10,658- 73- 73- 15- A
WB0GGM 9,504- 108- 44- 6- A
K0GJX 6,642- 81- 41- 9- Q
W0NGB 5,700- 75- 38- 6- A

Missouri

K4VX (WO0G,op) 144,900- 966- 75- 24- A
KM0L 132,750- 885- 75- 24- B
K0DEQ 78,588- 531- 74- 16- B
W0RNG 41,400- 300- 69- 9- A
N0TT 23,836- 202- 59- 4- B
KA0P 20,790- 165- 63- 6- A
WD0ARX 17,490- 159- 55- 17- A
WA0OUI 4,560- 60- 38- 3- A
NS0B 2,560- 40- 32- 1- A
W0RNM 1,254- 33- 19- 10- A

North Dakota

WB0O 139,050- 927- 75- 20- B
AK0T 13,158- 129- 51- 6- A
NJ9C/0 (+K9s BQL,LUW) 93,388- 631- 74- 24- B

Nebraska

KV0I 100,500- 670- 75- 24- Q
K0SCM 99,718- 683- 73- 24- Q
K0MZV 48,008- 353- 68- 15- A

South Dakota

K0DD (K0KX,op) 148,650- 991- 75- 24- B
WA0NSY 30,366- 241- 63- 13- A
WD0T (+KB0QA) 132,608- 896- 74- 24- B

VE

Maritime—NFLD

VO1AW 34,432- 269- 64- 11- B

Quebec

VE2AQP 70,800- 472- 75- 22- B
VE2FFE 17,820- 162- 55- 12- A
VE2BLX 5,340- 89- 30- 9- A

Ontario

VE3OOL 44,588- 314- 71- 18- Q
VE3ST 36,852- 249- 74- 11- A
VE3TEE 21,450- 165- 65- 18- A
VE3CUI 12,032- 128- 47- 4- A
VE3NYT 9,632- 86- 56- 11- A
VE3ART (VE3s DAO,FPI,GAS,QB,ops) 99,960- 735- 68- 15- B

Manitoba

VE4IM 100,776- 663- 76- 19- B
VE4GV 75,260- 530- 71- 16- A
VE4VV 13,616- 152- 46- 4- A

Saskatchewan

VE5VP 74,160- 515- 72- 23- A
VE5AGA 42,284- 341- 62- 15- A

Alberta

VE6UX 103,950- 693- 75- 17- B
VE6DZ 68,870- 485- 71- 24- A
VE6RI 22,156- 191- 58- 15- A

British Columbia

VE7CC 161,880- 1065- 76- 24- B
VE7ARQ 98,988- 678- 73- 22- A
VE7YU 36,294- 263- 69- 19- Q
VE7CKF 13,260- 130- 51- 18- Q
VE7EKS 4,830- 69- 35- 19- Q

Phone

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Connecticut

W1WEF 237,728- 1564- 76- 24- B
K1NYK 167,552- 1088- 77- 24- B
K1RM 138,380- 935- 74- 15- B
N8RA 124,976- 856- 73- 16- B
K1TO 103,156- 697- 74- 8- B
KG1D 90,440- 595- 76- 10- B
KA1JNR 85,968- 597- 72- 21- B
N1JW 81,168- 534- 76- 14- B
K1IN 71,248- 488- 73- 16- B
WA1LJP 69,768- 459- 76- 24- A
W1ECH 66,000- 440- 75- 20- A
KA1MWX 64,084- 433- 74- 19- A
K1DII 62,926- 431- 73- 11- A
KH6CP/1 58,380- 417- 70- 24- Q
NC1E 44,676- 306- 73- 9- B
K1YRP 38,304- 304- 63- 9- A
NU0X/1 35,772- 271- 66- 24- A
KA1JTH 33,150- 255- 65- 14- B
AB1U 28,148- 227- 62- 6- A
W1BIH 27,600- 184- 75- 4- B
KB1WR 21,000- 175- 60- 12- B
KA1MIS/T 19,008- 198- 48- 13- A
WE6G/1 17,110- 145- 59- 5- B
W1TKG 15,812- 134- 59- 7- A
K1CC 13,728- 156- 44- 2- B
N1FNV/T 10,800- 135- 40- 15- A
NI1L 5,810- 83- 35- 6- Q
K1KI 2,300- 50- 23- 1- B
KA1SPM 1,088- 32- 17- 7- A
KA1CI (+K1s TO,XA) 141,000- 940- 75- 24- B
NJ2L (+K1s NCD,TO,XA,KA1CI) 119,776- 788- 76- 20- B
N1GAU/T (+N1GAT) 6,720- 80- 42- 7- A

Eastern Massachusetts

N6BV/1 258,704- 1702- 76- 24- B
W1FM 98,952- 651- 76- 19- A
N1AU 97,382- 667- 73- 15- B
KQ1V 76,760- 505- 76- 18- A
K1BT 55,056- 372- 74- 15- A
W1XS 44,696- 302- 74- 11- A
W1AX 39,450- 263- 75- 5- B
W1KRS 38,778- 281- 69- 16- B
AD1Z 35,328- 256- 69- 14- B
N1FIO 33,660- 255- 66- 16- A
W1TUM 31,496- 254- 62- 11- A
WA1EOT 27,960- 233- 60- 4- A
KB1VL 17,024- 152- 56- 11- A
KA1PES 10,578- 123- 43- 12- A
K1AGM 10,000- 100- 50- 6- A
N1DGO 9,212- 98- 47- 7- A
N1FYZ 8,400- 100- 42- 10- A
WB1EHL 6,586- 89- 37- 13- Q
W1BK 6,314- 77- 41- 4- A
W1SR 6,308- 83- 38- 3- A
W1PLJ 4,950- 75- 33- 13- B
KC1F 198- 11- 9- 1- B
N1DZJ 42- 7- 3- 1- A
WB1GEX (+KS1A) 164,920- 1085- 76- 24- B
N1IR (+WB2MZU,WA3ZWT) 140,700- 938- 75- 24- B

Maine

KA1ZX 29,792- 196- 76- 7- A
WB2ZWT/1 27,604- 206- 67- 13- A
N1AFC 27,300- 210- 65- 16- Q
N1CDF (+N1GAX) 38,226- 277- 69- 18- A
KT2D/1 (+WA2OFI) 28,006- 209- 67- 13- A

New Hampshire

AK1K 154,050- 1027- 75- 22- B
K1TR 89,376- 588- 76- 13- A
K8LT/1 45,648- 317- 72- 10- A
KT1H 24,790- 185- 67- 9- Q
NU1I 15,250- 125- 61- 11- A
WA1KSW 11,938- 127- 47- 7- A
KA1LMR 11,088- 99- 56- 7- Q
AC1J 10,000- 100- 50- 2- A
KC1F 1,330- 35- 19- 1- A

Rhode Island

K1VSJ 108,832- 716- 76- 24- A
KD2SX/1 57,456- 399- 72- 12- B
KA1DNB 35,360- 272- 65- 11- A
K6IM 35,052- 254- 69- 10- B
WA2FTC 33,000- 250- 66- 20- A
K1IU 23,660- 182- 65- 5- A
K2MN 17,056- 164- 52- 7- A
N1DTG 13,176- 122- 54- 8- A
W1RFQ 9,522- 69- 69- 8- A
K1NG (+KB1EM,KI1G) 243,504- 1602- 76- 24- B
WA1TAQ (+KA1KWE) 139,536- 918- 76- 20- B
W1OP (K1DS,K1PLX,KZ1K,N1s AKO,BBM,ERJ,ops) 91,050- 607- 75- 22- B

Vermont

WB1GQR (WB2JSJ,op) 246,392- 1621- 76- 24- B
W3LPR 19,468- 157- 62- 14- A
KA1RRX/N 9,976- 116- 43- 14- A
KA1OVA 9,600- 100- 48- 6- A

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Western Massachusetts

KZ1M 130,568- 859- 76- 24- B
KB1RI 88,504- 598- 74- 19- A
K1KNQ 59,472- 413- 72- 19- Q
WA1HFF 29,988- 238- 63- 9- A
KB2R 13,776- 123- 56- 9- A
KC1F 4,340- 70- 31- 1- B
K2AA (WA2s TBA,VYA,ops) 119,850- 799- 75- 24- A
WA1ZAM (+NET) 29,054- 199- 73- 8- A
KA1KPH (+NC1B) 13,568- 128- 53- 3- A

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Eastern New York

K8HVT/2 184,832- 1216- 76- 24- B
WA2STM 179,100- 1194- 75- 24- B
N1CC 125,400- 825- 76- 17- B
KD2NE 87,308- 598- 73- 23- B
WB2EAR 85,264- 584- 73- 16- B
N2AZS 76,464- 531- 72- 17- A
N2BJ 53,280- 360- 74- 9- A
KE2IV 49,392- 343- 72- 24- A
K2CIB 37,122- 269- 69- 6- A
WB2SPN 33,840- 282- 60- 12- A
N2HIF 32,086- 263- 61- 14- Q
NW2F 28,672- 224- 64- 12- A
WA3AFS 28,470- 195- 73- 6- B
KE2JJ 25,956- 206- 63- 13- A
WB2KHE 20,640- 172- 60- 15- A
W2NRD 20,128- 148- 68- 14- A
WB2MJQ 12,584- 121- 52- 5- B
N2HIG 9,594- 123- 39- 6- A
N2FS 9,212- 98- 47- 4- A
KW2D (KC2KK,op) 8,976- 102- 44- 3- A
N2DU 6,630- 85- 39- 4- A
KB2EIK 4,810- 65- 37- 4- A
WA2EHI 2,262- 39- 29- 2- A
N2HTT 1,518- 33- 23- 24- A
KY2J (+KA2TIP) 179,968- 1184- 76- 24- B
WB2Q (+KU2Q,K5NA) 148,352- 976- 76- 19- B
W2SZ (KA1PRT,N2s DCM,HPA,NY2U, WB2s FOB,KMY,N3GI,ops) 125,704- 827- 76- 24- B
KU2Q (+K5NA,WB2Q) 116,584- 767- 76- 19- B
K5NA (+KU2Q,WB2Q) 112,176- 738- 76- 15- B
WA2UMX (KG2H,WB2HIH,ops) 38,364- 278- 69- 12- A

NYC—Long Island

KS2G 87,900- 586- 75- 18- A
K2AU 86,432- 592- 73- 18- B
K2YGM 56,980- 385- 74- 11- B
KD2TT 55,380- 390- 71- 19- Q
WD2R 42,120- 324- 65- 11- A
WA2YEI 10,212- 111- 46- 6- B
K2HVN 6,962- 59- 59- 5- A
WB2RCJ 5,000- 50- 50- 1- A
N2RQ 1,920- 40- 24- 2- A
N2FIG 1,276- 29- 22- 6- A
WB2CAO 1,160- 29- 20- 5- A
WB2IJY 2- 1- 1- 1- A
N2MG (+NQ2D) 176,850- 1179- 75- 24- B
KD2RD (+N2PL) 166,440- 1095- 76- 24- B
W2CXN (+N2RQ) 9,324- 111- 42- 5- A

Northern New Jersey

KC7KU 154,432- 1016- 76- 24- B
NW2D 78,584- 517- 76- 18- B
WA2UDT 62,250- 415- 75- 10- B
W2RQ 47,250- 315- 75- 10- B
KB2ZQ 46,900- 335- 70- 20- A
KW4E 36,000- 250- 72- 12- A
KE2CG 30,660- 210- 73- 14- B
W2GD 23,408- 154- 76- 6- A
K4BNC 12,150- 81- 75- 24- B
W2HCA 11,400- 100- 57- 7- A
N2IEH 11,374- 121- 47- 13- A
WB2AZE 10,622- 113- 47- 7- A
WAØQOA 10,406- 121- 43- 5- A
KR2J 8,136- 113- 36- 2- B
W2JEK 3,828- 58- 33- 5- Q
K2VX 1,470- 35- 21- 1- B
AA2U 1,088- 32- 17- 1- Q
KZ2S (+KA2AEV) 205,200- 1368- 75- 24- B
K2GQ (KA2s EYH,HJH,KB2FKX,W2QR, WA2NXW,WB2s GJE,SRY,ops) 120,450- 803- 75- 22- A
K2MFF (KA2s PFM,RRR,KB2EDH,N2FXZ, WG2W,WJ2J,ops) 75,628- 518- 73- 16- B

Southern New Jersey

AB2E 160,512- 1056- 76- 24- B
KZ2I 110,656- 728- 76- 23- A
K2PS 89,528- 589- 76- 23- A
W2PAU 67,650- 451- 75- 16- B
N2ETJ 65,268- 441- 74- 13- A
W2FGY 51,652- 349- 74- 22- B
WB2UEY 41,890- 295- 71- 19- A
WA2WJL 41,124- 298- 69- 10- A
NT2V 39,902- 281- 71- 20- A
K2OSV 37,264- 274- 68- 13- B
W2ORA 32,604- 247- 66- 14- A
W5KI 23,424- 183- 64- 9- A
W2EA 22,360- 172- 65- 7- A
N2GZL 19,680- 164- 60- 7- Q
K2LOO 15,162- 133- 57- 9- B
KA2KFO 12,546- 123- 51- 11- B
WA3RHW 8,428- 98- 43- 9- A
AB2Y 8,330- 85- 49- 5- A
K3HW 7,740- 90- 43- 8- A
N2VW 6,278- 73- 43- 3- B
N2HQL 4,864- 76- 32- 7- A
K2TD 2,632- 47- 28- 2- A
KD2AE 1,610- 35- 23- 3- A
KA2YKN 1,224- 34- 18- 5- A
K2KED (K2EWZ,WA2SDX,WB2R, WB2YOF,ops) 55,522- 391- 71- 20- A

Western New York

W2HPF 161,424- 1062- 76- 18- B
W2RR (WB2YQH,op) 72,504- 477- 76- 16- B
WA2UUK 72,000- 480- 75- 21- A
WF2W 71,248- 488- 73- 21- A
WJ2O 58,108- 398- 73- 15- B
NM2J 50,400- 350- 72- 22- B
KB2NU 41,400- 300- 69- 6- B
K2QR 38,056- 268- 71- 14- A
KD2YP 34,992- 243- 72- 12- A
KB2SE 34,500- 250- 69- 8- A
WA2WPI 32,604- 247- 66- 15- A
WB2EKP 23,640- 197- 60- 11- A
WE2T 18,328- 158- 58- 15- A
NW2I 14,760- 123- 60- 15- Q
W2OMV 11,628- 114- 51- 8- A
W2TZ 8,800- 100- 44- 2- A
WK2N 7,800- 78- 50- 9- A
WB2ABD 3,976- 71- 28- 2- A
KB2EMZ 3,016- 58- 26- 4- A
N2IHQ/T 2,592- 54- 24- 6- A
K2ZJ (+K2ZL,N2MF) 198,968- 1309- 76- 24- B
K2CC (KA2KWB,KB2DUE,KE2EU,N2ITR, NS2F,N4TW,N5KTP,ops) 76,812- 519- 74- 20- B
K2IQ (WA1LLC,K2OZV,KA2s CFM,MTB, KK2B,WA2AZA,WB2PYU,ops) 72,076- 487- 74- 24- A

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Delaware

K3WUW 119,472- 786- 76- 13- B
AC3T (KA3B,op) 108,376- 713- 76- 23- B
N8NA 50,540- 361- 70- 12- Q
KV3U 9,936- 108- 46- 5- A

Eastern Pennsylvania

W3MA 180,750- 1205- 75- 24- B
K3ZA 170,348- 1151- 74- 24- B
KS3F 152,912- 1006- 76- 22- B
KA3SIO 111,750- 745- 75- 14- B
WB3FED 97,384- 658- 74- 14- B
N3CHL 94,276- 637- 74- 20- B
K3TX 90,864- 631- 72- 24- B
K3MQH 85,768- 604- 71- 21- A
K3MRG 70,308- 558- 63- 15- A
WA3YON 69,900- 466- 75- 21- A
AA3B 68,408- 503- 68- 9- B
WA1MKE 50,370- 365- 69- 20- A
K3WW 46,816- 308- 76- 6- B
KD3GC 46,760- 334- 70- 20- A
WB3AAK 40,820- 314- 65- 19- A
NI3J 32,500- 250- 65- 15- A
KB3JK 28,832- 212- 68- 9- B
KY3T 23,436- 189- 62- 8- B
KA3DYX 20,008- 164- 61- 24- A
WB3FAA 19,504- 184- 53- 3- B
K3EBZ 14,800- 148- 50- 7- A
NS3P 13,886- 131- 53- 7- A
KA3QYH 11,088- 126- 44- 8- A
N3GOY/T 9,718- 113- 43- 10- A
NK3O 8,772- 86- 51- 5- B
W3GBG 7,600- 100- 38- 10- Q
N3FOB 6,630- 85- 39- 12- A
KA3AFY 4,288- 67- 32- 5- A
AG3G 3,782- 61- 31- 6- A
WA3LGG 3,200- 50- 32- 11- A
N2EY 3,172- 61- 26- 3- A
NE3F 2,900- 50- 29- 3- A
WA3VFM 918- 27- 17- 1- A
N3CZB 360- 15- 12- 2- A
N3ESB/T 160- 10- 8- 1- A
WA3BIF (+KA3QKJ,KA3TFM) 69,438- 489- 71- 20- B
NJ3N (+ops) 15,228- 141- 54- 9- A

Maryland—DC

N2FB/3 214,624- 1412- 76- 24- B
KE3Q 187,568- 1234- 76- 24- B
N3AOE 150,900- 1006- 75- 24- B
N3EHD 104,272- 686- 76- 22- A
NO3X 61,124- 413- 74- 16- B
N3GB 53,466- 399- 67- 7- B
KC3EK 30,798- 261- 59- 4- A
WB2EKK 23,520- 210- 56- 5- A
KA3SKQ 22,568- 182- 62- 21- Q
K3TM 13,886- 131- 53- 3- B
NS3T 10,080- 90- 56- 3- A
KD7JZ/3 9,504- 108- 44- 10- A
K3DI 6,630- 85- 39- 2- A
WB2BZR 5,984- 88- 34- 11- A
KA3LKQ 5,928- 78- 38- 8- A
KA3OUT/T 5,214- 79- 33- 7- A
K3SA 4,410- 63- 35- 1- A
W3FQE 3,672- 54- 34- 3- B
W3GN 2,288- 44- 26- 2- B
WA3EKL (+K3ZZ) 194,408- 1279- 76- 24- B

Western Pennsylvania

K3MD 132,608- 896- 74- 22- B
K5ZD/3 112,566- 771- 73- 10- B
KA3MMM 40,704- 318- 64- 24- A
WA3JPJ 37,752- 286- 66- 14- A
N3FAS 31,620- 310- 51- 18- B
KA3ROX 27,040- 208- 65- 17- A
K3RYA 14,812- 161- 46- 9- A
K3UA 10,250- 125- 41- 1- B
WA3WAW 5,040- 63- 40- 2- A
WA8KIW/M 1,972- 34- 29- 1- A
N3GLK 1,634- 43- 19- 8- A
WA3PCX 300- 15- 10- 2- A

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Alabama

WZ4F 221,312- 1456- 76- 24- B
KC4ZV 135,280- 890- 76- 24- A
NB9P 48,020- 343- 70- 21- A
KA7WPD/4/T 7,752- 114- 34- 9- A

Georgia

AA4LR 74,328- 489- 76- 24- A
K4BAI 40,446- 321- 63- 5- B
KI4Y 18,048- 141- 64- 11- A
W9UIX/4 7,392- 84- 44- 13- A
KA7LKV 220- 11- 10- 1- A
W4AQL (KC4GLA,KJ4SC,N4s CXF,JQD, RMM,NR4E,WA4ABY,WD4DWN,ops) 143,792- 946- 76- 24- B

Kentucky

AA4RX 185,744- 1222- 76- 24- A
N4TY 108,488- 764- 71- 13- B
KI4DC 45,816- 332- 69- 10- A
KA4MTX 8,064- 96- 42- 8- A
KE4KE 7,912- 86- 46- 8- Q
KB4BVP 5,916- 87- 34- 10- A
WA4RZD 2,808- 52- 27- 3- A
N4OHW (+KB4QNR) 48,960- 340- 72- 17- A

North Carolina

K4JEX 120,600- 804- 75- 15- B
N4AA 76,000- 500- 76- 15- A
K3LL 60,882- 417- 73- 20- A
KJ4TI 59,714- 409- 73- 20- A
WA4FFW 36,432- 276- 66- 5- B
KA4HKK 32,110- 247- 65- 22- A
W8UT 31,602- 229- 69- 9- A
WB4Y 27,600- 200- 69- 12- A
KB4EON 25,216- 197- 64- 16- A
NK4Q 21,840- 168- 65- 16- Q
KB4MIL 18,240- 160- 57- 15- A
N4UH 198- 11- 9- 1- A
AA4NC (+WB5M) 213,408- 1404- 76- 24- B

Northern Florida

K4XS 268,128- 1764- 76- 24- B
N4WW (N4XN,op) 231,800- 1525- 76- 24- B
W4WKQ 114,300- 762- 75- 20- B
WC4E 60,648- 399- 76- 8- A
K4VFY (N4EVS,op) 44,400- 300- 74- 15- Q
WA4GNR 25,326- 201- 63- 18- A
N4MUH 17,556- 154- 57- 17- A
N4PSD 10,412- 137- 38- 12- A
WA4VIY 9,416- 107- 44- 9- A
N4SGQ 3,328- 52- 32- 3- A
KB4T (+KJ4WN,N4s NKB,NKK,PLT, WD4GDZ,N8DTN) 106,726- 731- 73- 24- B

South Carolina

KØEJ 176,776- 1163- 76- 17- B
AA4V 24,898- 211- 59- 7- B
WD4PLF 20,178- 171- 59- 9- B
WD4BHM 18,476- 149- 62- 6- A
KJ4KB 14,760- 123- 60- 14- Q
K4BAM 3,472- 56- 31- 3- A
WF2G (+KC4LB,N4s QWL,RYO) 53,424- 371- 72- 18- B
KC4EFI (+KA2CUF,KC4s EFJ,HER,HNQ) 6,786- 87- 39- 24- A

Southern Florida

KO4J 86,140- 590- 73- 21- B
WA4VQD 57,720- 390- 74- 12- A
N8ESK 26,130- 201- 65- 14- A
W1UCI 14,732- 127- 58- 10 A
K1TN/4 13,650- 91- 75- 5- A
WA2MZE 11,808- 123- 48- 5- A
WK4F 9,800- 70- 70- 8- B
N4BP 4,380- 73- 30- 1- B
W4JM 1,680- 35- 24- 2- B

Tennessee

N4ZZ 155,550- 1037- 75- 16- B
K3CQ 49,152- 384- 64- 15- B
AA4DO 46,136- 316- 73- 14- B
W4AY (WA4ZZU,op) 18,224- 136- 67- 9- A
WA4MCZ 16,520- 140- 59- 10- A
KS2X 13,886- 131- 53- 5- A
N4SFO 12,348- 126- 49- 5- A
N4TG (+KI4UZ) 206,264- 1357- 76- 24- B
W4PQP (+WBØVBG) 476- 17- 14- 2- A

Virginia

KX3Q 208,240- 1370- 76- 24- B
W4MYA 173,888- 1144- 76- 24- B
AA4UJ 125,400- 825- 76- 22- B
K1ZZI 100,168- 659- 76- 24- B
N4QYK 64,600- 425- 76- 22- A
AA4FF 62,472- 411- 76- 15- A
W4TMN 57,226- 403- 71- 16- B
W4YE 51,100- 350- 73- 11- A
WA3RGH 44,220- 335- 66- 7- A
W4LMJ 43,452- 306- 71- 12- B
AA4YZ 30,464- 224- 68- 16- Q
N3RC 27,776- 224- 62- 6- A
K4OD 27,608- 203- 68- 9- B
N3AVA 25,392- 184- 69- 6- B
WD4KQJ 25,326- 201- 63- 8- A
N4MM 16,632- 132- 63- 7- Q
N4SLR/T 13,818- 147- 47- 13- A
N4NPX/T 13,348- 142- 47- 16- A
N4SMB 9,504- 108- 44- 7- A
K4OCI 3,266- 71- 23- 3- A
KC4DY (+AB4U,N4VG) 156,104- 1027- 76- 24- B
WR4I (+NG3K) 80,104- 527- 76- 22- A
W4HFH (KA4s COQ,GFY,KB4WKK,N4s ASX,CWP,HCP,QOS,QOT,SFG,ops) 19,548- 181- 54- 19- A

Virgin Islands

KP2A (N2IC,op) 398,088- 2619- 76- 24- B
NP2E 12,688- 122- 52- 13- Q
NP2B (+NP2C,KV4JC,KE8CA) 41,100- 274- 75- 20- A

5

Arkansas

K5FUV 152,000- 1000- 76- 24- A
W9OBF 108,984- 717- 76- 21- A
WD5COT 52,114- 367- 71- 14- A
N5KKD 34,056- 258- 66- 17- A
WA5VBE 32,026- 239- 67- 9- A
K5JH 14,310- 135- 53- 9- A
WA5VWH 7,650- 85- 45- 4- A

Louisiana

W5WMU 261,150- 1741- 75- 24- B
W5EW 122,056- 803- 76- 20- A
K5KLA 36,984- 268- 69- 10- Q
WB5SSD 16,844- 146- 57- 8- A
AA5HV 6,660- 74- 45- 5- A

Mississippi

K5MK 112,632- 741- 76- 20- A
NTØJ 82,276- 614- 67- 24- A
WA5OYU 36,018- 261- 69- 15- A
WB5KYK 9,400- 100- 47- 11- Q

New Mexico

AA5B 254,904- 1677- 76- 24- A
N5EPA 162,640- 1070- 76- 24- A
KB3EI 121,500- 810- 75- 24- A
KE5BL 96,900- 646- 75- 14- B
WB5TXJ 38,480- 260- 74- 20- A
KN5S 26,400- 200- 66- 3- B
WA5VAL 16,128- 144- 56- 10- A
N5JXU 8,960- 112- 40- 13- Q

North Texas

WM5G (KRØY,op) 296,856- 1953- 76- 24- B
N5AU (WB5VZL,op) 266,304- 1752- 76- 24- B
N5RZ 243,504- 1602- 76- 24- B
KE5CV 214,776- 1413- 76- 24- A
KC5DX (WQ5W,op) 195,472- 1286- 76- 24- B
KC5NQ 153,450- 1023- 75- 18- B
NJ1V 149,700- 998- 75- 20- B
NT5V 123,576- 813- 76- 14- A
AA5FB 122,360- 805- 76- 21- A
W5FO 107,920- 710- 76- 15- B
KD5GD 102,144- 672- 76- 22- A
KW5P (N5LAU,op) 100,168- 659- 76- 24- A
K5MR 66,000- 440- 75- 13- B
KA5W 60,040- 395- 76- 13- A
K5WXZ 58,460- 395- 74- 22- A
N5DTO 48,720- 348- 70- 16- A
W5LKP 46,512- 306- 76- 18- B
NN5T 45,440- 320- 71- 15- A
KD5XH 42,980- 307- 70- 19- B
N5IET 35,880- 260- 69- 11- A
AA5AA 26,788- 181- 74- 15- A
KL7FDQ/5 13,608- 126- 54- 13- A
AA5EG 3,000- 50- 30- 6- A
K5RX (+AA5DX) 235,448- 1549- 76- 24- B
WH6AYI/5/N (+W5ONL) 50,468- 407- 62- 15- A

Oklahoma

KM5H 141,600- 944- 75- 24- A
WM4Z 116,432- 766- 76- 18- A
W5PAA (WC5D,op) 66,120- 435- 76- 24- Q
AA5CO 45,114- 309- 73- 10- A
KB5BOB 33,012- 262- 63- 22- B
WD5COS 18,178- 149- 61- 11- A
K5CM (+N5s CG,KW) 234,688- 1544- 76- 24- B
N5KKB (+N5JKN) 128,168- 866- 74- 24- A

South Texas

NR5M (KE5IV,op) 275,120- 1810- 76- 24- B
WB5BIR 234,384- 1542- 76- 23- B
KC5CP 134,672- 886- 76- 22- B
WU5Z 125,550- 837- 75- 21- A
WN4KKN/5 87,552- 576- 76- 6- B
WA5IYX 76,608- 532- 72- 22- A
KG5U 76,500- 510- 75- 21- Q
N5KAE 66,096- 459- 72- 10- B
K5DX 63,384- 417- 76- 12- B
W5ASP 61,180- 437- 70- 7- A
WB5RUS/T 54,432- 432- 63- 14- A
W5LXG 45,640- 326- 70- 6- A
K5HKX 37,760- 295- 64- 6- B
WB5J 33,728- 248- 68- 12- A
K2UA/5 27,450- 225- 61- 6- B
W5NR 25,608- 194- 66- 9- B
KB5AJS 22,044- 167- 66- 8- A
N5JWL 19,800- 198- 50- 6- A
W5XD 17,690- 145- 61- 7- A
W5UFA 17,052- 147- 58- 9- A
KG5LM 14,784- 132- 56- 12- A
NV5L 7,452- 81- 46- 4- A
W5EHM (CE3LAR,KA5WSS,KF5XR, KG5KI,N5LZX,WN4KKN,WR5J,ops) 175,408- 1154- 76- 24- B
K5RVK (+KC5M,N5AQT,N5EA,W5ASP, W5/GWØECO) 173,128- 1139- 76- 23- B
WB4LZG (+ops) 29,568- 224- 66- 16- A

West Texas

WF5E 190,772- 1289- 74- 23- B
W5VGX 79,804- 562- 71- 17- Q
N4DW 50,820- 363- 70- 9- A
KE5GO 44,622- 333- 67- 17- A
KC5PU 25,600- 200- 64- 16- A
KT5H 72- 6- 6- 1- A

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East Bay

N6IG 320,720- 2110- 76- 24- B
W6BSY 169,936- 1118- 76- 22- B
KS6H 145,920- 960- 76- 16- B
N6EK 101,824- 688- 74- 24- A
WB6OHH 44,100- 294- 75- 19- B
W6RPY 480- 16- 15- 2- B

Los Angeles

N6HC 166,896- 1098- 76- 20- A
W6CN 41,756- 286- 73- 23- Q
WB6NFO 41,026- 281- 73- 17- A
KB6STF 26,934- 201- 67- 24- A
KF6HI 26,004- 197- 66- 11- A
KD6JP 16,170- 147- 55- 14- A
W6UGU 12,672- 99- 64- 10- A
K6SPQ 11,628- 102- 57- 15- B
WB2ODH/6 11,250- 125- 45- 4- A
WB6BXP 10,388- 106- 49- 6- A
W6FA 3,604- 53- 34- 2- A
WA6HQS 1,470- 35- 21- 3- A
W6UE (KA6SAR,N6DLU,WA6OTU,ops) 227,088- 1494- 76- 24- B
W6KAT (+KC6AMD,WA6SNG,WB6JBL) 45,156- 318- 71- 24- A
WB6JJE (+WA6FSF) 38,304- 252- 76- 16- Q

Orange

K7JA 105,300- 702- 75- 14- A
KI6DU 93,288- 676- 69- 17- A
W6HAL 53,682- 389- 69- 23- B
K7YCI 44,436- 322- 69- 14- B
K6HRT 41,538- 301- 69- 14- A
KH6WZ/6 19,344- 156- 62- 13- A
K6BVE 14,950- 115- 65- 15- A
KB6YAR 13,300- 133- 50- 15- A
NM6R 11,368- 98- 58- 10- A
KGØF 10,082- 71- 71- 9- A
WA6GFR 5,760- 72- 40- 5- A
KF6OG (+N6RPL,WA6OWM,WA6T) 232,712- 1531- 76- 24- B
K6RUB (+KB6s SRM,ZMR) 75,392- 496- 76- 18- A
WA6YNT (K6HRT,KA6ART,N6s OUG,QHR, NR6V,WB6s IXV,OWD,ops) 67,248- 467- 72- 15- B
KI6WD (+N6QYQ) 11,760- 147- 40- 6- A

Pacific

K6GSS/KH6 171,000- 1125- 76- 22- A
AH6IO 45,648- 317- 72- 16- A
WL7E/WH6 24,240- 202- 60- 8- A
WH6BMP 20,880- 174- 60- 16- A
WB8SMC/KH6 (N8JLT,W8XT,WB8s OFR,QVC,ops) 33,500- 250- 67- 18- A

Santa Barbara

N6MB 147,440- 970- 76- 21- B
WA6FGV 120,450- 803- 75- 18- A
W6TKF 117,900- 786- 75- 15- B
WA6DJS 89,540- 605- 74- 20- B
K6VMN 73,264- 482- 76- 20- B
KD6LD 36,494- 257- 71- 22- B
W6HYK 34,484- 233- 74- 22- A
N6OQZ 25,254- 207- 61- 7- B
N6NMH 16,464- 147- 56- 9- Q
KA6L (+KD6QX,WA6VNO) 121,618- 833- 73- 16- B

Santa Clara Valley

N6NF 142,376- 962- 74- 14- A
NS6V 106,708- 721- 74- 10- B
W6PLJ 28,290- 205- 69- 16- A
W6LPW 23,936- 187- 64- 14- A
WA6HRK 19,440- 162- 60- 22- A
KJ6MW 19,032- 183- 52- 22- A
K3QM 17,360- 140- 62- 7- A
K6VGW 13,600- 136- 50- 5- A
W6IGU 10,290- 105- 49- 8- A
N6TV 1,426- 31- 23- 1- A
AA6BS (+N6s NAE,RCE,WA6CUX, G8HQA) 50,716- 409- 62- 17- A

San Diego

N6ND 181,792- 1196- 76- 19- B
W6UQF 116,888- 769- 76- 22- A

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W6JVA 106,552- 701- 76- 13- B
KI6ZH 93,176- 613- 76- 22- A
W6JXA 30,686- 229- 67- 7- A
AA6EE 2,496- 39- 32- 2- A
W6MVW 1,200- 30- 20- 2- A

San Francisco

WA8LLY 70,376- 463- 76- 12- A
WB2CHO 66,900- 446- 75- 12- A
K6LRN 28,980- 210- 69- 7- B
KE6WL 9,216- 96- 48- 5- B
W6BIP (+KK1A) 136,496- 898- 76- 21- B

San Joaquin Valley

KD6WW 131,784- 867- 76- 17- A
WW6O 95,400- 636- 75- 21- B
N6PKI 52,394- 391- 67- 17- A
KA6LAC 51,216- 388- 66- 20- A
WA6YAB 26,400- 200- 66- 10- A
KB6LEI 12,054- 123- 49- 4- Q
WB6ITM 18- 3- 3- 1- A
WU6I (+KI6DS) 96,976- 638- 76- 22- A
KI6PR (+K6RAU,KA6FTA,KB6SBH, KH6JWJ,N6QVI,NR6N,WA6PIC) 88,950- 593- 75- 24- A

Sacramento Valley

W6GO (K3EST,op) 296,552- 1951- 76- 24- B
KV6H 223,896- 1473- 76- 24- B
KF6A 156,864- 1032- 76- 24- B
K6SG 112,200- 748- 75- 21- B
N6JV 78,694- 539- 73- 17- A
N6JM 9,800- 100- 49- 5- A

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Alaska

AL7CQ 274,500- 1830- 75- 20- B
KL7CQ 49,580- 370- 67- 13- B
AL7HS 35,112- 266- 66- 16- A
NL7DU 5,850- 65- 45- 12- A

Arizona

K6LL 301,720- 1985- 76- 24- B
WE7G 174,000- 1160- 75- 18- B
WA7LNW 155,952- 1026- 76- 16- A
KC7V 122,512- 806- 76- 17- B
WA7NWL 12,126- 129- 47- 11- Q
W7KAJ 5,460- 70- 39- 6- A
WB7CFL 4,060- 58- 35- 2- A

Idaho

WO7Y 198,150- 1321- 75- 24- A
W7QDM 41,038- 289- 71- 8- A
KE7RT 27,300- 195- 70- 19- A
W7KDB 7,040- 80- 44- 24- A

Montana

KS7T 122,250- 815- 75- 24- B
KW7I 28,842- 209- 69- 16- A
KA7YYR 27,430- 211- 65- 16- A
N7ICC 21,516- 163- 66- 15- Q
W7LR 14,248- 137- 52- 3- A

Nevada

KI3V/7 315,096- 2073- 76- 24- B
ND7M 175,864- 1157- 76- 20- A
NC7K 163,856- 1078- 76- 23- A
WB7VVH 18,848- 152- 62- 12- B
KF7MW 13,936- 134- 52- 9- A

Oregon

K5MM/7 202,768- 1334- 76- 16- B
K7KJM 160,968- 1059- 76- 21- A
N7LXB 103,600- 700- 74- 20- A
W7YAQ 100,928- 664- 76- 14- A
AI7W 70,528- 464- 76- 20- A
K7FD 65,232- 453- 72- 24- B
K7GDN 51,840- 360- 72- 19- B
W7XN 46,150- 355- 65- 4- A
N7HPA 45,724- 322- 71- 19- B
W7IMP 40,500- 270- 75- 22- B
K7GWK 39,450- 263- 75- 12- B
N7GRY/T 35,868- 294- 61- 10- A
W7GUR 29,680- 212- 70- 12- A
KA7OAI 25,172- 203- 62- 9- A
KC7DH 21,516- 163- 66- 21- A
N7IXI 16,200- 150- 54- 10- A
W7WHY 14,304- 149- 48- 10- B
N6TR/7 13,600- 136- 50- 2- A
W7PXL 6,438- 87- 37- 2- A
WA7IIM 672- 21- 16- 2- A
W7EJ (+AI7B,W7ZR) 318,440- 2095- 76- 30- B
NK7U (+N7GPO,NI7T) 254,904- 1677- 76- 30- B

Utah

W7CFL 244,112- 1606- 76- 24- B
W7HS 55,626- 381- 73- 19- A
W7GXC 50,550- 337- 75- 11- A
KE7QA 43,608- 316- 69- 21- A
N7IUN 26,390- 203- 65- 10- A
KF7CD 23,530- 181- 65- 15- A
WA7TUX 1,260- 35- 18- 5- Q
W7MR (+KE7RU,KF7IM,WE7B,WE7D, WJ7M,WK7V) 196,384- 1292- 76- 24- B

Washington

W7WA 332,424- 2187- 76- 24- B
K7RI 225,416- 1483- 76- 24- A
K7LXC 209,456- 1378- 76- 24- A
KM7E 191,976- 1263- 76- 22- B
NG7P 145,440- 1010- 72- 24- A
W7LKG 116,736- 768- 76- 24- B
W7HX 87,756- 618- 71- 10- B
N7LOX 87,308- 598- 73- 20- A
N7KZN 69,204- 474- 73- 23- A
N7GGJ 50,094- 363- 69- 18- A
NS7O 40,044- 282- 71- 13- A
N7ETC 22,936- 188- 61- 6- A
N7KWC 20,768- 176- 59- 19- A
N6CHU/7 15,344- 137- 56- 8- A
N7DX 12,896- 124- 52- 3- A
W7QCV 10,300- 103- 50- 7- A
KD7LJ 9,898- 101- 49- 6- A
N7JZO 7,760- 97- 40- 10- A
KE7ZG 3,630- 55- 33- 9- A
N7AME 2,610- 45- 29- 3- A
K7WA 2,494- 43- 29- 2- A
W7XR (+K7HBN,K7SS) 282,872- 1861- 76- 24- B
NN7L (+NB7N) 223,440- 1470- 76- 24- B
WA7IUL (+WA7GWX) 55,578- 471- 59- 10- A

Wyoming

WD7L 194,850- 1299- 75- 21- B
N3AHA/7 116,216- 796- 73- 19- A
KB7M 34,176- 267- 64- 15- Q
N7GVV 34,160- 244- 70- 13- A
KD7RX 30,470- 277- 55- 10- A
N7LOD/T 6,540- 109- 30- 10- A
K7MM (+KB7BIL,N7HYE) 228,760- 1505- 76- 24- B
WG7Z (+KB7AWM) 104,940- 795- 66- 22- A

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Michigan

AI8D 188,480- 1240- 76- 24- B
N8CXX 155,496- 1023- 76- 19- B
WD8MGQ 148,808- 979- 76- 24- A
K8CC (W8WD,op) 144,900- 966- 75- 23- B
KE8OC 105,000- 700- 75- 21- B
KE8KG 83,028- 561- 74- 20- A
KA8GOM 81,992- 554- 74- 19- A
K8GSR 80,408- 529- 76- 24- B
K8SAK 59,250- 395- 75- 19- A
K8SB 58,400- 400- 73- 18- A
WD8O 58,350- 389- 75- 20- A
K8CV 57,670- 395- 73- 24- B
K8RDJ 52,560- 360- 73- 16- A
W8UMP 51,150- 341- 75- 21- A
W8VCF 46,056- 303- 76- 19- A
KE8RA 45,582- 321- 71- 13- A
W8VPC 44,446- 313- 71- 20- B
WB8THO 40,328- 284- 71- 19- A
WA8YPY 38,080- 272- 70- 20- A
WA8FRD 32,736- 248- 66- 15- A
NS8F 31,416- 238- 66- 13- A
WE8L 29,568- 224- 66- 12- A
KA8GIA 28,320- 240- 59- 8- A
KA8IZE 27,048- 196- 69- 18- A
W8TJQ 26,980- 190- 71- 12- A
K8KUH 26,400- 200- 66- 11- B
KE8JW 26,004- 197- 66- 13- A
N8FPN 24,050- 185- 65- 12- A
WD8KZX 23,932- 193- 62- 17- A
K8MVZ 23,552- 184- 64- 11- A
KB8CRR/T 23,100- 210- 55- 22- B
WB8AFO 22,936- 188- 61- 11- A
K8DD 22,800- 200- 57- 4- B
K8OSF 22,302- 189- 59- 10- A
W8EGI 22,230- 171- 65- 10- A
WB8TOT 19,096- 154- 62- 9- B
N8HSN 17,400- 150- 58- 23- A
WD8R 17,280- 144- 60- 11- A
NX8K 17,228- 146- 59- 20- A
KB8DRY 17,000- 170- 50- 7- A
W8PPG 16,200- 150- 54- 13- A
K3UWO 15,400- 140- 55- 10- A
KA8WBQ 14,848- 128- 58- 24- A
WB8IFD 14,168- 154- 46- 11- A
WJ8J 13,260- 130- 51- 15- A
N8DDV 12,826- 121- 53- 11- A
W8PDV 12,430- 113- 55- 7- A
KE8GC 11,024- 104- 53- 10- A
N8EUQ 10,716- 114- 47- 10- A
N8JVN/T 9,424- 124- 38- 8- A
W8VWY 9,328- 106- 44- 7- Q
KB8BJN 9,024- 94- 48- 7- A
KA8KGW/T 7,488- 96- 39- 15- A
KA8MEF 7,268- 79- 46- 5- A
WB8BUQ 6,970- 85- 41- 5- A
W8QIY 6,320- 79- 40- 4- A
N8ECL 6,216- 84- 37- 8- A
W8KZM 6,162- 79- 39- 3- B
WD8NQD 4,130- 59- 35- 8- B
WB8NXG 4,012- 59- 34- 3- A
WD8KZO 3,300- 50- 33- 3- A
W8FEM 3,000- 50- 30- 3- A
W8ROS 2,378- 41- 29- 4- A
KB8CHA 2,300- 50- 23- 10- A
KA8ZUQ/T 1,760- 40- 22- 2- A
WA8MJY 1,610- 35- 23- 2- A
KA8ZUP 1,156- 34- 17- 5- A
N8GMM 144- 12- 6- 2- A
KA8EGC/T 70- 7- 5- 1- A
KB8EXY 18- 3- 3- 1- A
NE8O (+KA8JBK) 115,672- 761- 76- 24- A
WA8QCW (+KA8CAU) 31,688- 233- 68- 7- A

Ohio

WB8JKR 147,896- 973- 76- 21- B
KE8PG 118,992- 804- 74- 19- B
W8UPH 78,280- 515- 76- 23- B
WF0E 74,304- 516- 72- 24- A
W8FN 66,882- 471- 71- 10- B
WD8AJF 51,830- 355- 73- 13- A
W8ILC 49,704- 327- 76- 10- A
N8ATR 47,880- 315- 76- 15- A
N8EIH 42,918- 311- 69- 16- Q
K8BL 42,778- 293- 73- 9- A
NC8V 42,192- 293- 72- 7- B
K8MR 41,464- 292- 71- 6- B
NQ8Y 36,938- 253- 73- 21- Q
N8FSP 36,312- 267- 68- 19- A
W8KIC 29,104- 214- 68- 5- A
W8RHY 27,122- 191- 71- 22- B
W8IMF 24,570- 189- 65- 13- B
W8NHO 24,448- 191- 64- 19- B
NU8U 22,504- 194- 58- 17- A
KD8UC 22,440- 170- 66- 17- A
KC8JH 22,050- 175- 63- 24- A
W8IDM 21,350- 175- 61- 10- Q
N2FRW 19,964- 161- 62- 10- A
KA1S 19,008- 176- 54- 14- A
KC8F 17,920- 128- 70- 9- A
K8RSH 15,582- 147- 53- 7- A
KD8UN 8,832- 96- 46- 7- A
KB8DTY/T 7,280- 91- 40- 7- A
K8CKY 5,070- 65- 39- 5- A
N8JOC 4,864- 64- 38- 8- A
KA8YKI/N 4,416- 69- 32- 12- A
KA8ZEP 3,200- 50- 32- 4- A
N8KAG 2,850- 57- 25- 8- A
WD8KTM 462- 21- 11- 1- A
N8EKE (+N8IKX,WB3KKX) 168,416- 1108- 76- 22- B
AL7JP/8 (+KB8AHJ,N8HOB,WB8s MIP,PIY,ZYD) 118,200- 788- 75- 23- B
WB8X (+KA8YLY,KB8DEB,N8IWC, W8ILC) 106,412- 719- 74- 24- B
WD8EOL (+W2DIN,KA8WBG) 56,980- 385- 74- 24- A
WA6EZV/8 (+N8ASV,WD8s NMT,NMV) 45,752- 301- 76- 17- B
W8EDU (KA1PNF,KL7CQ,N8IRS, NV8L,WD8LQG,ops) 27,156- 219- 62- 13- A
N8INT/T (+N8INS) 3,456- 64- 27- 10- A

West Virginia

N8II 79,236- 558- 71- 9- B
NJ8J 35,340- 310- 57- 16- A
N8FXH 23,364- 198- 59- 8- A
W8VEN 14,756- 119- 62- 8- B
W3PYZ (+K3LDE,KQ3S,W3DQI,WA3QGA) 130,872- 861- 76- 24- B

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Illinois

KS9O 169,480- 1115- 76- 24- B
N9AEJ 96,520- 635- 76- 16- B
AG9E 75,184- 508- 74- 14- A
AG9A 65,512- 431- 76- 9- A
WA9TPQ 65,100- 434- 75- 13- A
W9KVF 63,688- 419- 76- 21- A
WA9DRE 57,760- 380- 76- 17- B
K9GH 51,120- 360- 71- 20- A
WB9JKI 49,950- 333- 75- 9- A
N2CKZ 46,650- 311- 75- 17- A
WD9AFL 42,458- 299- 71- 19- A
WB9GKA 40,460- 289- 70- 21- A
N9JF 39,480- 282- 70- 10- A
K9HDE 25,080- 209- 60- 5- B
N9DIX 20,060- 170- 59- 8- A
N9EVX 19,836- 171- 58- 20- A
W9LNQ 19,454- 137- 71- 9- A
KB9BIB/N 19,208- 196- 49- 10- A
WA9DIP 14,790- 145- 51- 11- A
KA9IMX 14,756- 119- 62- 7- A
N9ABF 14,040- 135- 52- 9- A
N9ALC 12,720- 106- 60- 8- A
W9REC 12,160- 95- 64- 11- A
KA9CJG 6,786- 87- 39- 4- A
K9UQN 4,224- 66- 32- 2- A
KA9QIK/T 2,400- 50- 24- 4- A
KB9BMW/T 884- 26- 17- 4- A
KA9TNZ (+KB9s AAW,AAX,KG9Z,NJ9Q) 187,264- 1232- 76- 24- B
WA0AVL (+N9CXQ) 164,768- 1084- 76- 24- B
W9YH (KE9NA,N9HXG,NM9H,ops) 123,120- 810- 76- 23- B
W9OO (K1BVS,KA9s JXU,ZMW,N9s GZE,HDL,WB8RFB,ops) 51,984- 361- 72- 22- A

Indiana

AJ9C 138,168- 909- 76- 23- A
N9QX 123,728- 814- 76- 23- B
KB0C 109,440- 720- 76- 20- B
W9JOO 81,928- 539- 76- 22- A
NX9T 47,328- 348- 68- 17- A
KR9V 42,240- 330- 64- 10- A
WB9CIF 36,778- 259- 71- 13- A
NN9H 34,164- 234- 73- 15- Q
N9HAV 26,532- 201- 66- 15- A
WB9NQQ 25,862- 193- 67- 11- A
KE9IT 25,452- 202- 63- 18- Q
NX9B 24,566- 173- 71- 11- A
N9GEU 18,480- 140- 66- 24- A
KB9LQ 17,040- 142- 60- 9- B
W4WQD 13,640- 124- 55- 21- A
KE9B 10,800- 100- 54- 5- A
N9HKW 10,000- 100- 50- 9- B
N9ACD 7,632- 106- 36- 4- A
N9HOV/T 6,888- 84- 41- 12- A
KE9I 6,006- 77- 39- 3- B
KB8AC 2,400- 50- 24- 24- A
N9FIM 1,150- 25- 23- 5- A
WB9WDW 972- 27- 18- 3- A
KE9FZ 576- 18- 16- 2- A
N9RJ (+AF9A,N9AZD,NE9O,WB9CEP) 195,016- 1283- 76- 24- B
N9BHQ (+ops) 45,990- 315- 73- 24- A

Wisconsin

K9OSH 152,912- 1006- 76- 20- B
WA1UJU 114,760- 755- 76- 24- A
K9KR 104,340- 705- 74- 20- B
WB9HRO 88,992- 618- 72- 9- B
KE9HJ 84,600- 564- 75- 22- A
W9NA 70,050- 467- 75- 14- A
KT9W 68,552- 451- 76- 14- A
NG9L 61,500- 410- 75- 12- A
KB9S 61,056- 424- 72- 16- Q
N0BSH/9 197,752- 411- 74- 7- B
N9HDE 55,522- 391- 71- 19- A
K1TMM 50,680- 362- 70- 9- B
K9RR 50,400- 350- 72- 15- B
W9WI 49,876- 337- 74- 16- A
N9HKD 40,066- 299- 67- 16- A
NA9M 28,098- 223- 63- 10- Q
KE9FT 26,400- 200- 66- 14- A
NI9C 24,966- 219- 57- 9- A
W9FPA 23,718- 201- 59- 11- A
WB9BWP 20,040- 167- 60- 12- A
KA9JAC 19,040- 170- 56- 15- A
K9CAN 16,200- 135- 60- 24- Q
W9VTL 10,080- 105- 48- 14- A
W9KHH 9,720- 81- 60- 24- A
WD9IAB 5,986- 73- 41- 24- A
KA9LOE 4,788- 63- 38- 24- B
N9FZK 4,628- 89- 26- 8- A
KA9JCP 1,610- 35- 23- 14- A
KA9KFU 40- 5- 4- 2- A
W0AIH (K0FVF,K0TG,N0BSH,ops) 197,752- 1301- 76- 24- B
WA9AKV (+KA9WXN) 29,312- 229- 64- 16- A
KA9YAF (+N9NE) 6,080- 80- 38- 3- A

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Colorado

K0RF (W0UA,op) 295,944- 1947- 76- 24- B
K0EU 211,432- 1391- 76- 24- A
WB0IKN 201,400- 1325- 76- 24- A
W0CP 197,144- 1297- 76- 24- A
K0FRP 184,528- 1214- 76- 20- A
AC0S 181,800- 1212- 75- 20- B
W1XE 162,792- 1071- 76- 24- A
K0GAS 160,876- 1087- 74- 24- B
W0LSD 120,384- 792- 76- 24- Q
W0GOQ 109,938- 753- 73- 15- B
N0ZA 90,576- 612- 74- 21- B
W0GOR 73,556- 497- 74- 14- B
WA2MNO 65,240- 466- 70- 22- A
KD0DI 61,200- 408- 75- 20- A
KR0U 49,640- 340- 73- 19- Q
KE0PX 35,376- 268- 66- 20- A
N0AJM 33,672- 244- 69- 17- A
WD0T 29,440- 230- 64- 7- A
NQ0I 21,042- 167- 63- 4- B
WB0AJA 19,706- 167- 59- 15- A
WB0Z 19,140- 165- 58- 12- B
K2NA 12,880- 115- 56- 9- A
WD0GVH 12,700- 127- 50- 11- A
N0FS 10,058- 107- 47- 8- A
NY0Q 3,472- 56- 31- 4- A
KA1MPF/0 1,920- 40- 24- 4- A
KN5H 1,120- 28- 20- 3- A
N0JPY 952- 28- 17- 5- A
NI0E (+WB0IWL) 241,376- 1588- 76- 24- B
NY0R (+N0JAB) 22,040- 190- 58- 11- B

Iowa

WA0VBW 72,200- 475- 76- 23- Q
KC0GM 50,700- 338- 75- 19- A
WB0ZKG 39,000- 300- 65- 16- A
W0PPF 38,736- 269- 72- 19- B
KA5NWB/0 23,836- 202- 59- 24- B
KE0WO 23,790- 195- 61- 24- A
W0BVR 19,430- 145- 67- 14- A
K0EVC 11,536- 103- 56- 12- A
AD0H 11,000- 110- 50- 4- A
KD0RT (+K0JGH,N0ICI) 127,224- 837- 76- 23- B
W0YSE (+KA0WAA) 9,400- 100- 47- 13- A

Kansas

KB0G 183,616- 1208- 76- 24- B
WB0YJT 58,800- 392- 75- 21- A
K0VXU 46,920- 345- 68- 4- B
WB0SRX 45,402- 329- 69- 14- A
NW0F 29,614- 221- 67- 10- A
KA0SIX 3,780- 70- 27- 24- A
KB0DAC 3,016- 58- 26- 3- A
NO0Y/M 1,120- 28- 20- 3- Q
AB0S (+K0WA,W0CEM) 211,050- 1407- 75- 24- B
N0FBS (+N0s IXZ,JEI,WJ0H) 17,110- 145- 59- 14- A

Minnesota

KR0B (AF9T,op) 192,000- 1280- 75- 24- B
WB0HCH 153,150- 1021- 75- 24- B
AC0W 134,672- 886- 76- 24- A
W0JC 124,640- 820- 76- 23- A
K0FZG 115,144- 778- 74- 24- A
N0AT 111,456- 774- 72- 10- B
WA0RBW 84,656- 572- 74- 13- B
K0IJL 69,204- 474- 73- 5- B
WB0YUK 65,846- 451- 73- 11- B
K3WT 65,136- 472- 69- 12- A
KB0ZQ 61,350- 409- 75- 15- Q
W9RXJ 48,240- 335- 72- 19- B
W0YHE 40,392- 297- 68- 16- Q
N0HJZ 21,476- 182- 59- 5- A
WA0WWW 17,400- 150- 58- 5- A
K0MPH 14,300- 130- 55- 4- A
KF0T 10,952- 74- 74- 11- A
K0AD 10,332- 126- 41- 2- B
KA0ZPP 7,878- 101- 39- 8- A
K0TK 6,776- 77- 44- 1- A
KB0CWV/T 6,264- 108- 29- 4- A
KA0ZIA 1,880- 47- 20- 4- A
W0NGB 260- 13- 10- 1- A
W0MXW (K0EN,DL5BAN,ops) 103,650- 691- 75- 17- B

Missouri

K4VX/0 (WO0G,op) 248,368- 1634- 76- 24- B
KM0L 167,352- 1101- 76- 24- B
NJ0X 51,876- 393- 66- 16- B
KE0WR 23,540- 214- 55- 12- A
K0HOF 9,804- 114- 43- 12- A
N0ZZ 9,400- 100- 47- 9- A
W0RNM 9,180- 90- 51- 12- A
KA0NAY 9,040- 113- 40- 2- A
KA0P 3,536- 52- 34- 3- A
N0HBH 3,234- 49- 33- 9- A
KB0DAX/T 800- 20- 20- 3- A
KA0USY 162- 9- 9- 5- A
W0QEV (KA0s HJY,VYF,WCH,WA0S, WB0OOO,ops) 120,028- 811- 74- 24- B

North Dakota

WB0O 296,704- 1952- 76- 23- B

Nebraska

KV0I 180,728- 1189- 76- 24- A
K0SCM 168,750- 1125- 75- 24- A
KB0QA 54,954- 387- 71- 9- A
K0PFV 42,174- 297- 71- 15- A
K0MZV 32,768- 256- 64- 11- A

South Dakota

K0DD 319,808- 2104- 76- 24- B
WB0MWJ 183,160- 1205- 76- 18- B
K0WIU 30,336- 237- 64- 9- A

VE

Maritime—NFLD

VE1BEM 119,624- 787- 76- 23- B
VO1AW 16,688- 149- 56- 8- B

Quebec

VE2MS 57,868- 391- 74- 20- A
VE2AQP 1,920- 48- 20- 2- B
VE2MAB (VE2s AMY,BRT,BT,DWT, ESP,GOP,HAX,HNL,JJL,MAJ,MPD, NAM,SHW,TD,YW,ops) 61,568- 416- 74- 24- A

Ontario

VE3IXU 35,644- 266- 67- 18- A
VE3CDS 33,880- 242- 70- 18- A
VE3TJL 33,180- 237- 70- 16- A
VE3OVI 29,964- 227- 66- 12- A
VE3FSV 28,416- 222- 64- 12- A
VE3NYT 16,330- 115- 71- 12- A
VE3FWF 13,552- 121- 56- 9- A
VE3SFK 10,528- 112- 47- 7- A
VE3FVW 10,488- 114- 46- 10- B
VE3OBU 5,856- 61- 48- 12- A
VE3ECH 4,896- 51- 48- 24- A
VE3LRB 2,800- 50- 28- 7- Q
VE3XD (VE3s FPI,GAS,ops) 88,950- 593- 75- 8- B

Manitoba

VE4GV 155,700- 1038- 75- 21- A
VE4IM 69,160- 455- 76- 23- B
VE4SD 51,264- 356- 72- 18- A
VE4GN 50,224- 344- 73- 21- A
VE4VV 16,450- 175- 47- 4- A
VE4AR 12,862- 109- 59- 8- A

Saskatchewan

VE5AG 169,024- 1112- 76- 20- B
VE5FN (+ops) 183,768- 1209- 76- 20- B

Alberta

VE6DZ 47,996- 338- 71- 19- A
VE6NN 31,768- 209- 76- 19- A
VE6RI 12,444- 122- 51- 8- A

British Columbia

VE7SZ 207,936- 1368- 76- 19- B
VE7ARQ 63,114- 471- 67- 11- A
VE7EKS 8,256- 96- 43- 13- Q
VE7TND 3,360- 56- 30- 8- A

Yukon

VY1QST (VY1s AD,AL,AU,BM,BQ,BR, CC,CW,DN,DU,ops) 120,900- 806- 75- 24- B

Checklogs

N1EUK, KK4RV, K5SL, K6MP, AE7K, W8VUV, NZ9M, VE3NRU

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