By **Dan Henderson, N1ND**
Contest Manager

1998 ARRL September VHF QSO Party Results

"The best laid plans of mice and men…" We know the rest of this quote though few of us can remember the source. And this year, it seems to be exactly what occurred during the 1998 September VHF QSO Party. From ardent multi-op stations to the casual participant, summary sheets were replete with tales of preparation and planning designed to maximize effort in this year's event. Rovers planned their routes. New antennas were mounted. Recruits for multi-op stations were trained. But it seems someone was not invited to party: Propagation.

The real star of this year's event may have been what one entry called "dismal" band conditions. When compared to the successful June VHF QSO Party (see results December 1998 *QST*), participation, entries received, QSO totals, and multipliers worked all were down. Scoring was also lower than in June. The hard-core VHF community was visible, but more than one log bemoaned the lack of the "casual" contester.

Making the best of band conditions is a hallmark trait of outstanding operators. Two stations set new overall September scoring records for their entry categories. "The Man" was at it again as WA8WZG, who swept all 4 major ARRL VHF/UHF contests in 1997, upped his Single Op September record to 465,915, bettering the 394,744 mark he set last year.

New Single-Op Division scoring records were set by WA8WZG (Delta), K1TEO (New England), KE7SW (Northwestern), N6KBX (Pacific) and K5IUA (West Gulf) while new Division Rover marks were set by N1MJD (New England), K7XC (Pacific), N6TEB (Southwestern), and VE3OIL in Canada. Only W8TL/3 (Atlantic) was able to establish a new Division standard in the QRP Portable category. In the Multi-Op category the K8GP operation set a new Roanoke Division mark while the N5WS group raised the bar in the West Gulf Division. Rounding out the record setters from the Limited Multi-Op Division category were groups manning the stations of K2BAR (Hudson), NC1I (New England), W6MMM (Pacific), and W4CMA (Southeastern). Well done to these outstanding achievers.

A particularly disturbing remark appeared in a number of Soapbox comments: "The 'pop-gun' contester doesn't really matter." Let's put this sentiment to rest: *Every entry matters.* Whether you score 300K and you are a perpetual Division leader, or you casually make 20 QSOs in two grid squares, it takes every entrant to make any contest a success. It was encouraging to hear comments about the return of old call signs to the scene, as well as some larger stations encouraging others to listen out for local "little guys." Still, it was disheartening to hear so many comments about participation being down.

When you participate in any of our contests, remember to submit your log, including your items for the Soapbox section. Don't worry if it isn't a world beater or record setter. You might be surprised how well you did compared to others in your

Top Ten

Single Operator

WA8WZG	465,915
K1TEO	345,685
K1RZ	241,230
WA2FGK (K2LNS,op)	194,677
KA1ZE	178,672
KE8FD	164,925
K1UHF	153,605
K3DNE	145,782
W3OR	145,782
K2YAZ	122,364

QRP Portable

K9PW	155,056
W8TL/3	58,145
ND3F	19,380
AF4HX	15,987
N8A (N8XA,op)	9,275
KK7AT	1,248
KQ6TI	1,134
WB2AMU	987
KQ6UQ	726
KC7OLP	464

Multioperator

W2SZ/1	1,620,042
K8GP	1,327,590
K3MQH	627,997
K2TXB	428,420
K1WHS	209,605
WØUC	192,148
N5WS	92,820
W2EA	80,769
W6TOI	71,496
KF6JSO	57,475

Limited Multioperator

K3YTL	383,783
NC1I	332,454
W4IY	314,748
WB1GQR	208,532
N2HLT	198,152
AA4ZZ	170,154
WB2ODH/6	169,344
NØUK	133,272
W9ICE	131,430
W1QK	94,501

Rover

AB4CR	175,050
W3EKT	112,254
N4STK	107,520
K7XC	90,816
N1MJD	76,167
W9FZ	50,350
WB9SNR	44,910
AB5SS	43,148
VE3OIL	42,840
K3QII	39,520

AB4CR really had a hard time explaining to his wife that the halo was standard equipment for the new car, even before the license plate was added.

SHEILA SCHWARTZ, KE6GFI

Matt Bennett, KF6RTB, visits the station of John Kountz, KE6GFF, and learns about contesting.

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Multiplier Leaders By Band

Single Operator/QRP Portable

50 MHz	
K5TR (at W5KFT)	115
KBØVUK	109
NØLL	89
K5IUA	88
W8CM	75
144 MHz	
KØMQS	70
KE8FD	63
K2YAZ	56
K8TQK	55
K3VGX	53
K1TEO	53
222 MHz	
WA8WZG	36
KE8FD	36
K1TEO	33
KA1ZE	30
K1RZ	30
432 MHz	
KE8FD	49
K8TQK	43
WA8WZG	42
K1TEO	40
K2DRH	38
KA1ZE	38
902 MHz	
WA8WZG	21
K1TEO	20
K1RZ	18
K2YAZ	18
K9PW -Q	16
W3OR	16
WA2FGK (K2LNS,op)	16
1296 MHz	
WA8WZG	32
K4QI	22
K2YAZ	21
K1TEO	20
K1RZ	19
WF9X	19

Multioperator

50 MHz	
K8GP	118
N5WS	112
NØUK -L	107
AA4ZZ -L	97
K2TXB	94
144 MHz	
K8GP	103
W4IY -L	81
K2TXB	70
K3MQH	69
W2SZ/1	66
222 MHz	
K8GP	70
K3MQH	46
W2SZ/1	44
K3YTL -L	42
W4IY -L	42
432 MHz	
K8GP	85
W4IY -L	56
W2SZ/1	53
K3MQH	52
W9ICE -L	49
902 MHz	
K8GP	31
W2SZ/1	29
K2TXB	21
K3MQH	15
K1WHS	12
1296 MHz	
K8GP	39
W2SZ/1	29
K2TXB	27
K3MQH	22
WØUC	15

-Q denotes QRP Portable
-L denotes Limited Multioperator

QSO Leaders By Band

Single Operator/QRP Portable

50 MHz	
K5TR (at W5KFT)	287
N1MIA	231
K1TEO	227
WA8WZG	226
K5IUA	220
144 MHz	
K3VGX	371
K1TEO	360
K1UHF	309
KB2IT	283
K1RZ	274
222 MHz	
WA8WZG	126
K1TEO	101
K5MA	81
K1UHF	76
K1RZ	72
WA2FGK (K2LNS,op)	72
432 MHz	
WA8WZG	208
K1TEO	150
KE6GFF	143
K5MA	111
K1RZ	106
K1UHF	106
902 MHz	
WA8WZG	49
K1TEO	43
K1RZ	37
WA2FGK (K2LNS,op)	30
KA1ZE	28
1296 MHz	
WA8WZG	79
K1TEO	59
WA4VHF	52
K1RZ	48
K9PW -Q	39
K3DNE	38

Multioperator

50 MHz	
W2SZ/1	562
K8GP	508
K3YTL -L	486
NC1I -L	464
K3MQH	443
144 MHz	
K8GP	671
W2SZ/1	664
K3MQH	639
K3YTL -L	503
NC1I -L	472
222 MHz	
W2SZ/1	219
K8GP	165
K3YTL -L	150
NC1I -L	142
K3MQH	131
432 MHz	
W2SZ/1	375
K3MQH	266
K8GP	253
NC1I -L	217
K3YTL -L	216
902 MHz	
W2SZ/1	99
K8GP	49
K3MQH	28
K2TXB	26
K1WHS	19
1296 MHz	
W2SZ/1	126
K8GP	72
K3MQH	47
K2TXB	41
K1WHS	38

-Q denotes QRP Portable
-L denotes Limited Multioperator

section working under similar conditions. Some sections only have a few logs submitted. It has never been easier to enter any of our contests. With the ability to electronically submit entries to the Contest Branch, you don't have to worry about unreliable delivery times of the postal service. Visit the Contest Branch homepage at **http://www.arrl.org/contest** for details, entry forms, logs sheets, general information, schedules, rules and results.

We look at every log and read every soapbox comment. This is how we get a feel for what the contest weekend was like in your area. Sitting in Headquarters, we can't determine if there were better conditions in California or if there was some good sporadic E in Minnesota unless you tell us. Your photographs also give us a sense of what participants are doing in terms of creativity and experimentation. We can only print a few of the photographs and comments we receive, but believe me, they are valuable tools as we put together each article. One note about photographs: Please attach labels, including names and callsigns of those in the photo, to the *back* of the snapshot. When you write on the photograph proper, it sometimes makes it unusable for us to print.

Get yourselves ready for the 1999 June VHF QSO Party, set for June 14-15. Besides the sunscreen and the cool clothes, be sure to check out your feed lines, good tires for your roving vehicle, and stock in goodies for the cooler. Oh, and someone please remember to invite Mr. Propagation this time. The pleasure of his company is always welcomed. We all hope he RSVP's in the affirmative!

Soapbox

Not as much activity as in June, but all in all it was a lot of fun (AA6W)… At times, tropospheric conditions were unusually good up to 1296 (K7IVW)… Conditions were completely flat. I need to finish building a real antenna for 6m (VE2ZP)… My first contest. All I had hoped to do was qualify for the Participation Pin (KF6RCI)… Super weather, good operating locations, fair propagation except for 50 MHz (WB7DHC/R)… Highlights must be the TE contacts to South America Sunday afternoon (W5UWB)… Sunday morning was so slow I went to a hamfest, but am looking forward to January already (KB8UUZ)… Perhaps poor conditions, producing weak signals, made CW a good mode for making contacts (K4ME)… My last entry in a VHF contest was from NNJ circa 1958. Grids were not known at that time. We worked sections around the country. Of course, then the only modes were AM and CW (K2IUK)… It was a good learning experience and lots of fun (KB6YAD)… If not for about three hours of sporadic on 6 meters, the contest would have been pretty dismal. Conditions for tropo were really poor and this did not provide the usual 432 MHz contacts (WØPHD)… Mix a VHF contest with helping in a public service overnight bike ride and you have a LONG weekend and LOTS of fun (AD4F)… Who said you have to be high on a hill to work the VHF Contests? With less than 1000 feet elevation our contest site for W9ICE came together. We found that with good planning, equipment and dedicated operators you can be competitive from any location (WB9YCZ)… I took a lightning strike a week before the contest, so I had to borrow a few radios (VE3TMG)… My harmonic–op-in-training Susan and I had a great time roving and mountain topping. Thanks to K6NHK/R who put up with our invading his spot on Keller Peak (N6DN)… Thanks to the local "big guns" who made sure that the 'good ones' knew to turn this way and work us little guys too (KC8AQH)… The weather was great at 8013 feet: sunny days and 78º and clear nights at 38°. The entire group appreciated the absences of Murphy this September (WB2ODH/6)… The biggest thrill was watching my two 13 year old grandsons' eyes light up with

Northeast Region
(New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)

K1TEO	345,685	S
K1RZ	241,230	S
WA2FGK (K2LNS,op)	194,677	S
W8TL/3	58,145	Q
ND3F	19,380	Q
WB2AMU	987	Q
W2SZ/1	1,620,042	M
K3MQH	627,997	M
K2TXB	428,420	M
K3YTL	383,783	L
NC1I	332,454	L
WB1GQR	208,532	L
W3EKT	112,254	R
N1MJD	76,167	R
K3QII	39,520	R

Southeast Region
(Delta, Roanoke and Southeastern Divisions)

N8UM	48,096	S
KN4SM	33,640	S
K4QI	32,832	S
AF4HX	15,987	Q
WA4AIW	182	Q
KF4YWT	32	Q
K8GP	1,327,590	M
K4SZ	24,346	M
W8MOP	4,176	M
W4IY	314,748	L
AA4ZZ	170,154	L
W4NH	80,613	L
AB4CR	175,050	R
N4STK	107,520	R
KB4NVD	21,730	R

Central Region
(Central and Great Lakes Divisions; Ontario Section)

WA8WZG	465,915	S
KE8FD	164,925	S
K2YAZ	122,364	S
K9PW	155,056	Q
N8A (N8XA,op)	9,275	Q
W9SZ	330	Q
WØUC	192,148	M
KC8DAZ	7,812	M
WD9DSN	6,426	M
W9ICE	131,430	L
W9FX	61,320	L
VE3TMG	17,748	L
W9FZ	50,350	R
WB9SNR	44,910	R
N8KWX	6,432	R

Midwest Region
(Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)

WQØP	85,794	S
K5IUA	82,984	S
W8CM	81,367	S
KC7OLP	464	Q
N5WS	92,820	M
WW2R	13,325	M
NØFJ	5,460	M
NØUK	133,272	L
KK5IH	25,288	L
K5XU	21,728	L
AB5SS	43,148	R
WA5VKS	10,032	R
KFØUK	4,032	R

West Coast Region
(Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)

N6KBX	36,608	S
N6AJ	30,912	S
W3SE	27,295	S
KK7AT	1,248	Q
KQ6TI	1,134	Q
KQ6UQ	726	Q
W6TOI	71,496	M
KF6JSO	57,475	M
K6MI	25,056	M
WB2ODH/6	169,344	L
W6MMM	52,200	L
W7QH	4,640	L
K7XC	90,816	R
N6IFW	36,040	R
KA7YOU	31,213	R

L = Limited multioperator; M=Multioperator; Q=QRP; R=Rover; S=Single operator

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each new grid square. It won't be long before I have competition from them (WA9LZM)… This time it was no place for a "blue collar" station (W1FEZ)… More CW activity would yield more QSOs. Break out those keys, bugs and paddles for January (W9KHH)… It had not rained all summer. Guess what? (WD5AGU)… My QTH, while pleasantly overlooking the Pacific Ocean, is ringed to the north and east by mountains. I now need a couple thousand more feet up or a few less mountains (KE6GFF)… My friend Aki (7M3CJQ) and I come from Japan to participate in this contest. OM Dave WBØGAZ prepared a fine VHF/UHF multi-band system for us (JO2AJT/WH2O)… it was good to hear some calls that have been absent for a while – plus it takes a while to get used to the new vanity calls the hardened VHF contesters have changed to (N8PVT)… I drove 3½ hours then an additional two hours of backpacking 50 pounds over 2 miles of trails climbing 1300 feet of elevation to operate QRP portable DM43 (WA9TKK)…

Scores

Each line score lists call sign, score, stations worked, multipliers, number of grids activated (if Rover), and bands (A= 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, 9 = 902 MHz, E = 1296 MHz, F = 2304 MHz, G = 3456 MHz, H = 5760 MHz, I = 10 GHz, J = 24 GHz, K = 47 GHz, L = 75 GHz, M = 119 GHz, N = 142 GHz, O = 241 GHz, P = 300+ GHz). Call signs of Division leaders and band indicators are listed in **boldface** type.

1

Connecticut

K1TEO 345,685 959 235 S **ABCD9EFG**
K1UHF 153,605 674 155 S ABCD9EF**I**
N1NQD 14,396 168 61 S ABCD9E
K1WVX 3,404 69 37 S ABCDE
W1QJL 2,028 57 26 S ABCDE
W9JJ 1,770 59 30 S AB
W1WHL 1,748 76 23 S A
K1QNF 900 50 18 S AB
W1QK (+W1QJ,N1TIV,N1TMG,AA1MY,N1ABY)
94,501 664 121 L ABCD

Eastern Massachusetts

K5MA 92,690 521 130 S **ABCD**
W1GHZ 46,276 343 92 S ABCD**9EI**
WG1Z 24,131 290 59 S ABCDE
N1GT 23,736 223 69 S ABCD9E**F**
W1PM 17,574 201 58 S ABCDE
K1UR 6,727 166 31 S ABCD
N1JOY 5,967 106 39 S ABDE
WA1OFR 1,950 60 26 S ABD
N1VQR 741 57 13 S AB
N1EKV 450 26 15 S ABC
AD1B 396 33 12 S AB
W1DYJ 396 36 11 S A
N1TMF 210 30 7 Q A
KA1EKR (+N1IA)
8,241 131 41 M BCDE
N1FDX (N1FYZ,ops)
2,376 108 22 M AB

Maine

W1XX 39,248 316 88 S **ABCD9E**
N1DGF 7,612 118 44 S BCD
N1RWY 4,961 98 41 S ABCD
K1WHS (+K1CA,N2CEI,W1MRQ,K1ART,N1LBI, K1DY,W1AIM)
209,605 749 185 M ABCD9EFGHI
W1NPP (AA1TO,N1KAT,OXA,MBZ,WBJ, KB1CNJ,ops)
5,117 95 43 L ABCD

New Hampshire

AF1T 38,456 258 92 S A**B**CD9E**FGHI**
WA1OUB 15,300 246 51 S **BE**
AC1J 6,880 120 43 S ABCD
KU2A 6,678 103 42 S ABCD9E
N1JHJ 1,950 64 25 S ABD
WB1FLD (+N1NUM)
16,380 226 63 L ABD

Rhode Island

KM1X 24,494 273 74 S **ABD**
K1ZE 3,630 72 33 S B**C**D
K8BGZ 782 46 17 S AB
N1SXL 735 49 15 S B
W1VHF (W1JJM,K1RWK,N1VDM,ops)
10,384 215 44 M ABDE

Vermont

K1LPS 2,890 68 34 S **ABD**
WB1GQR (W1SJ,N1SRC,N2YHK,W1NT,ops)
208,532 1100 148 L ABCD

Western Massachusetts

WA1MBA 35,856 223 83 S **BD9EFGHI**
N1MHH 9,540 166 45 S ABCD
N1MIA 7,392 231 32 S **A**
N1FUS 6,552 146 36 S ABD
WA1UOL 5,733 106 39 S AB**C**D
WA1NYV 1,500 100 15 S B
N1RSY 200 25 8 S B
W2SZ/1 (K1DH,K1EP,K2AD,K2TR,KBØWJO, KE2TP,KE4IBF,N2BNY,N2HPA,N2XRE,N2YCA, N2YZO,W1SZ,W1VE,WA1ZMS,WA2AAU,WA2SPL, WA8USA,WS2B,ops)
1,620,042 2322 386 M ABCD9EFGHIJK
NC1I (+NC1B,N1DPM,N1MUW,K1TOL,W1QA,WZ1V)
332,454 1295 201 L ABCD

2

Eastern New York

W2FCA 40,810 266 106 S A**BCDE**
W3HHN 23,616 238 72 S ABCD**9**E
K2ZZ 11,426 163 58 S ABDE
WM2Y 6,018 136 34 S ABCDE
W2JHO 3,564 145 18 S ABCD
N2TMT 3,075 123 25 S **A**
W2CCP 2,160 80 27 S B
N2MSS 1,375 36 25 S ABCD9E**I**
WA2BAH 1,162 67 14 S ABCD9E
KA2MCU 754 47 13 S ABCD9E
KB2SLE 704 44 16 S AB
WZ2X 504 42 9 S BCD
KB2TSA 450 39 10 S ABD
K2RI 360 31 8 S BCD
KG2GX 322 32 7 S BCD
W2FW 296 31 8 S ABD
WB2BEJ 280 25 8 S ABCD
AA2CW 196 22 7 S BCD
N2PEQ 176 44 4 S B
KB2ZTQ 168 24 7 S AB
WB2VVQ 154 21 7 S ABD
K2QNU 138 46 3 S B
N2JJE 126 18 7 S AB
KF2XY 54 9 6 S AB
KN2C 2 2 1 S B

NYC-Long Island

NB2T 6,380 150 29 S B**CD**
WB2CMI 3,293 70 37 S ABCD
KF2XF 1,980 90 22 S **B**
KB2WVG 1,197 54 21 S **A**BD
WB2AMU 987 47 21 Q AB

Northern New Jersey

WB2VVV 96,472 493 124 S AB**CD9EFGI**
K2KIB 21,409 184 79 S ABCDE
K2SIX 18,292 236 68 S **A**BD
KB2IT 12,452 283 44 S **B**
K1NK 11,132 226 46 S ABD
WB2CUT 3,900 156 25 S B
KE3PL 1,475 59 25 S A
KD2Q 1,056 45 22 S ABD
KF2OK 833 44 17 S ABCD
W2JEK 384 30 12 S ABD
WB2IDV 319 29 11 S B
K2BAR
(K2AMI,K2PJM,K2YLH,K2ZB,KB2YGJ,KF2OK, KO2OK,N2PBY,N2PPS,NN2T,NO2T,W1GI,W2MSK, WA2LXE,WA2QHL,WI2W,WU2C,ops)
85,020 604 109 L ABCD
NX2Q (+W2OZU)
6,042 159 38 L B

Northern New York

WA2AEY 29,481 261 93 S A**BD**
KB2ZVP 5,754 137 42 S **A**
NT2W 1,890 64 27 S ABD

Southern New Jersey

WB3JYO 68,123 339 121 S A**B**C**D**9E**F**G
W2SJ 50,112 245 116 S ABCD**9E**F**G**
K2WKA 8,976 174 48 S A**B**D
W2PAU 4,988 99 43 S ABD
N2MPU 765 45 17 S AB
W2BE 70 10 7 S B

Western New York

NJ2L 88,740 411 145 S **ABCD9EF**
K2AN 50,840 263 124 S ABCD9E
N2JMH 42,895 273 115 S ABCD
W2WGL 5,175 88 45 S BD
KV2X 5,085 100 45 S ABC
WB2WPM 5,074 118 43 S AB
WA2ZNC 3,441 69 37 S ABCD
N2PSH 1,134 42 27 S AB
WØVU/2 800 40 20 S B
KC2ATB 325 24 13 S ABD
N2SFB 48 8 6 S A
KG2LV 243 22 9 Q BD
K2TXB (+W2DRZ,N2ODU,N2XTX,K2SMN)
428,420 1013 310 M ABCD9EFHI
K2IWR(N2MRE,KC2ARE,KC2CCC,KC2DTE, N2MRE,ops)
1,953 47 31 M ABCDE
N2HLT (KB2DMK,NS9E,N2JDQ,N2OLB,ops)
198,152 800 188 L ABCD
KB2SGX (AA2PV,KG2NF,KB2SCK,AB2DY, KC2DYR,KG2BN,ops)
4,961 104 41 L ABCD

3

Delaware

W3OR 145,782 509 182 S **ABCD9EFG**
WA3BZT 3,720 124 30 S B
WA3WUL 3,034 74 41 S A

Eastern Pennsylvania

WA2FGK (K2LNS,op)
194,677 607 203 S A**B**C**D9EFG**
AA3GN 39,494 250 98 S ABCD9E
K3GNC 30,888 229 88 S ABCDE
K3VGX 19,663 371 53 S **B**
N3ADC 15,105 158 57 S ABCD9E
W3KM 14,732 156 58 S ABCD9EF
W3SZ 13,872 167 51 S BDEF
WS3C 8,120 114 58 S ABD
W3RT 8,060 102 52 S ABCDE
WA4GPM 6,076 74 49 S ABCDE
N3XJX 4,324 92 47 S AB
N3OGF 2,204 56 38 S ABC
K3KEL 2,100 75 28 S B
WA3CSP 1,920 64 30 S A
W3PQB 1,800 60 30 S AB
KK3K 1,575 57 21 S BDE
N3JNX 1,534 50 26 S ABD
W3HOA 1,311 57 23 S B
N3KFV 1,144 44 26 S AB
N3OWM 768 41 16 S ABD
NE3I 672 46 14 S ABE
WA3H 532 28 19 S AB
KE3TC 528 33 12 S BCD
W3JS 420 30 14 S B
W3ZGD (N3VQI,op)
390 30 13 S B
K3MQH (+K3MM,K3RA,N3KTV,N3EYB,W2GG,AI3M, K3JFL,W3SST)
627,997 1572 289 M ABCD9EIJ
W2EA (K2WB,N2FY,KD2KS,KF4YX,N2SCJ, N2XYZops)
80,769 609 109 M ABCD
K3YTL (K3MKZ,KA3ZHT,KB3QI,N3EMF,N3FA, N3RN,N3PBH,W3DZH,WA1HHN,WB3FKQ,ops)
383,783 1355 223 L ABCD

Maryland-DC

K1RZ 241,230 738 215 S **ABCD9E**F
K3DNE 145,782 529 178 S ABCD9E
WA4VHF 5,616 67 26 S E**F**
N3BWJ 4,032 81 42 S ABD
KA3TCC 3,296 81 32 S ABCD
WA3EOQ 2,856 64 34 S BD
W3TMZ 1,080 30 18 S BDEF
KB1YZ 435 26 15 S ABD
N3SOK 360 29 12 S ABD
N2TDT 256 32 8 S AB
N3VOP 155 26 5 S BD
W3GN 88 11 8 S AB
W8TL/3 58,145 266 145 Q ABCD9E
ND3F 19,380 120 68 Q ABCD9EFGHIJP
N3UMA (+N3QFZ)
5,292 105 42 L ABCD

Western Pennsylvania

KA1ZE 178,672 549 208 S **ABCD9EFG**
NO3I 19,656 164 78 S ABCDE
AA3GM 4,472 73 43 S ABCD9E
WG3E 425 24 17 S ABD
W3YOZ (+K4VV,WR3Z,KC3EK,KD3SA)
67,541 424 137 L ABD
K3MJW (KA3JWJ,N3NOS,N3OEX,N3WCR,ops)
28,119 253 91 L ABD
K3MD (+N3PUR)
12,876 146 74 L ABD

4

Alabama

N4ION 7,552 103 64 S A**B**D
W4ZRZ 7,488 113 52 S **BDE**
KS4YT 3,040 66 40 S ABD
AD4DY 1,029 49 21 S AB
WA4WQK 690 30 23 S AB
KD4RHH 231 21 11 S B
KF4YWT 32 8 4 Q B
N4IDX (K4EKW,WA4III,K4WXX,ops)
10,430 128 70 L ABCD

Georgia

KD4K 6,612 99 58 S **ABCD**
K4KAZ 476 28 17 S AB
K4SZ (KC4GCK,KJ4P,KT4XE,K4SZ,ops)
24,346 210 94 M ABCDE
W4CMA (K4AEK,KD4HLG,KA5WZY,ops)
43,731 327 113 L ABCD
KO4MZ (+ops)
15,280 160 80 L ABCD

Kentucky

WA4FVQ 9,027 103 59 S A**BCD9E**
KT4JN 2,479 54 37 S ABD
KE4WDZ 600 30 20 S **A**

North Carolina

K4QI 32,832 198 108 S A**BDE**
NG4C 29,344 211 112 S A**B**CD
W4VVH 12,529 113 67 S BDE**FG**
W4FSO 11,130 110 70 S ABCDE
N4UFP 6,615 100 63 S ABD
W4TNV 2,065 41 35 S ABCDE
N4AJF 1,870 51 34 S ABD
KF4LVF 120 12 10 S A
KU4HM 77 11 7 S A
K2IUK 72 9 8 S AB
AF4HX 15,987 176 73 Q ABCD
WA4AIW 182 25 7 Q ABD
AA4ZZ (+K4MQG,K2SD,W4MW,W4VHF,WA4UNZ)
170,154 684 207 L ABCD
W4NH (K4BI,K4EA,KF4DZV,KU4OZ,N9KHC,NX9O, W4KXY,W4WA,ops)
80,613 442 169 L ABCD
WB2NHQ (+KD4GCF)
1,456 49 26 L ABD
N4ZAK (+KD4OFG)
221 16 13 L ABD

Northern Florida

W2BZY 12,750 118 85 S A**B**C**D**E
NX4E 12,096 137 72 S AB**D**E
KD4MWO 6,050 105 50 S A**B**CD
KE4YYD 4,059 99 41 S **B**
WD4EOJ 608 32 19 S AB

South Carolina

KR4QO 28,971 211 111 S **ABCD**
KM4ID 3,225 73 43 S ABD
KB4GYT (+AC4WW)
7,670 118 65 L AB

Southern Florida

K9HUY 8,580 129 65 S **AB**D
WB2WIH 6,528 121 48 S AB**C**D
WD4MGB 5,310 83 59 S ABD
KØVXM 4,998 76 49 S AB**D9E**
KE4SCY 1,092 31 26 S ABDE
KD4JMV 96 16 6 S B

Tennessee

N8UM 48,096 275 144 S **ABCDE**
WA4HFN 16,650 200 74 S ABD
N4LGY 1,848 62 24 S BCD
WB4ZUG 1,450 50 25 S ABD
AD4F 1,407 54 21 S ABCD
KD4LTR 702 46 13 S ABCD
KA4CHT 595 28 17 S ABD
KF4MVH (W4OLX,KF4LXL,WA4IRU,KF4MVH,ops)
1,012 44 23 L AB
W4GGM (KE4ZER,KF4QCH,N4EO,N4KN,KE4YBS, KA4ZDR,KF4ZLA,K4BX,KF4FCS,ops)
864 33 24 L ABD

Virginia

KN4SM 33,640 233 116 S **ABD**
K4ZOO 25,665 194 87 S ABCD**E**
KH2CY 20,320 183 80 S AB**C**D
K9OYD/4 18,063 134 81 S ABCD**9**E
K4FTO 13,532 156 68 S ABCD
KB4OLM 12,663 149 67 S ABCD
AD4TJ 1,342 61 22 S AB
WB4YRB 940 35 20 S BD
AD4DG 828 31 18 S ABCD9
K4ME 264 24 11 S B
W8MOP (WW8D,N8GK,N8XXA,N8RIG,WD8OOR, KD4ZUA,WB8NRK,ops)
4,176 85 48 M ABD
W4IY (W4AD,W4NF,W4RM,WAØDYJ,W4CE, K4RG,W4DC,W4DAV,ops)
314,748 991 252 L ABCD
KF4JKC (+KB4GET)
300 25 12 L AB

5

Louisiana

WA5RT 7,360 109 64 S **ABD**
KC5QAY 1,536 48 32 S AB

Mississippi

W5RCI 9,271 94 73 S **ABCD9EF**
KJ5RC 2,132 52 41 S A

New Mexico

K5AM 11,250 132 75 S **AB**CD
N5XZM 3,852 79 36 S AB**CDE**
W5FF 1,984 62 32 S A
W5DO 1,705 45 31 S ABD
KB5ZSK 480 26 12 S ABCDE
N9KUW (+KC5YXB)
836 36 19 L ABD

North Texas

W8CM 81,367 409 143 S A**B**CD**9E**
K1IM/5 9,306 141 66 S A
KK6IT 5,508 153 36 S **B**
KB5OAI 3,666 78 47 S A
N5WD 2,263 73 31 S AB
N5NUV 2,240 62 32 S ABD
N5KB 1,352 48 26 S ABD
KF5CQ 300 25 12 S B
WW2R N2NQI13,325120 65 M ABCD9EFGHIJ

Oklahoma

K5QNM (+KN5TTN)
450 25 18 M A

South Texas

K5IUA 82,984 384 164 S AB**CD9EFG**
K5TR (at W5KFT)
76,302 429 162 S **AB**CD
W3XO 7,564 93 62 S ABCD9E
W5UWB 2,457 51 39 S ABCDE
KZ5E 1,320 44 30 S AB
AJ4F 330 30 11 S B
N5WS (+WB5VYE,N5ZZ,KB5TEE)
92,820 428 170 M ABCD9E
N5XU (KA5WSS,KM5FA,ops)
21,728 204 97 L ABCD

West Texas

KE5TN 117 13 9 S **A**
KK5IH (+KK5KK)
25,288 190 109 L ABCD

6

East Bay

W6OMF 15,694 175 59 S A**B**CD**E**
KF6GYM 9,870 190 42 S A**BD**
KF6BXM 1,309 63 17 S ABCD
KQ6DI 960 48 10 S **C**
KE6QR 629 34 17 S ABD

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Los Angeles
W3SE 27,295 367 53 S A**BCDE**
KQ6QW 13,188 240 42 S ABCD
KE6FCT 12,090 171 62 S **A**BCD
AB6YQ 5,760 207 24 S ABD
W6IST 3,160 112 20 S ABCD
KE6AXJ 2,656 105 16 S BCD
KD6OLH 1,296 60 16 S ABCD
KF6PQT 649 52 11 S ABD
KF6EOJ 440 36 10 S ABD
WA6BIL 374 34 11 S AB
W6EZB 345 69 5 S B
N3WTK 180 30 6 S B
KQ6TI 1,134 45 18 Q ABCD
KQ6UQ 726 39 11 Q BCD
WB2ODH/6 (+K6KWQ,N6HKF,N6RMJ,N6ZE, WA6DJS,WB6DTA)
169,344 870 147 L ABCD

Orange
K6TSK 22,500 295 60 S A**B**D
WB6FCS 14,976 159 78 S **A**B**C**D
KF6HAM 4,280 95 40 S ABD
KE6GFF 3,718 143 13 S **D**
K6IBY 3,026 64 34 S ABCD
KE6GFI 3,000 158 15 S BD
KC6ILH 1,386 90 14 S ABD
KN6WL 1,125 102 9 S BD
K6OUE 765 65 9 S BD
N6CMF 680 57 10 S BD
KD6UIH 640 29 16 S ABCD
KE6QCB 406 46 7 S BD
N6DZS 216 36 6 S B
KG6EG 198 13 9 S ABCD
KG6VV 150 30 5 S B
KQ6BS 160 40 4 Q B
KE6WOX 48 12 4 Q A
KF6RTB 18 5 2 Q BD
W6TOI (KB6WKT,KD6FPX,WB6JDH,KE6HPZ,ops)
71,496 492 108 M ABCDE
KE6ENB (+WA6JZQ)
441 54 7 L BD

Santa Barbara
W6FM 3,440 67 40 S A**B**C**DE**
KE6RCI 1,030 88 10 S **B**D

Santa Clara Valley
W6IT 14,092 185 52 S AB**CD**E
W6MT 6,552 127 42 S **AB**CDE
W6GYD 4,950 110 33 S ABCDE
AA6W 4,512 119 24 S BCD**E**
KG6HM 798 57 14 S AB
KQ6OT 255 37 5 S BD
KF6JSO (KB6HRB,KF6KDC,KB6QNP, KC6UCN,ops)
57,475 425 95 M ABCDE

San Diego
KF6JBB 4,844 139 28 S A**B**C**D**
KE6NRO 2,813 80 29 S **A**BD
KE6SQG 900 50 15 S AB**C**
K6IAH 689 44 13 S ABC
WA6AIL 155 31 5 S B

San Francisco
WN6W 495 36 11 S **ABDE**
W6MMM (WB9NJS,WA6KLK,KD6LTB, WD6HDY,ops)
52,200 439 90 L ABCD

San Joaquin Valley
N6AJ 30,912 227 92 S **ABCDE**
KF6CNV 300 50 6 S B
KD6IVL 224 27 8 S BD
WA6QYR 24 8 3 S B
K6MI (+KC6QPO,NI6G,WA6YDI)
25,056 234 72 M ABCDEI
K6QG (+WB6GPD)
752 47 16 L AB

Sacramento Valley
N6KBX 36,608 290 88 S A**B**C**DE**
KE6ZWT 15,120 233 45 S **B**C**D**
KB6YAD 324 36 9 S AB

7

Arizona
KE7FC 8,208 123 57 S **AB**C**D**
KE7NR 4,320 79 40 S AB**CD9**
K7KGB 585 26 15 S ABCD**E**
KF7JS 390 21 15 S ABD
WB7OHF 390 34 10 S ABCD
WA7VHF 120 15 6 S BD
WA9TKK 455 29 13 Q ABCD

Eastern Washington
N7AU 12,474 142 66 S **AB**C**D**E
K7XW 9,020 118 55 S ABCD**9E**
N3CEV 4,816 83 43 S ABCDE
N7JGO 2,610 40 45 S BC**D**
KC7VNA (+NET)
15,120 163 72 M ABCDE

Idaho
KJ7TH 1,995 86 19 S A**B**D
WB9DRB 1,395 35 31 S AB**CD**
KA7GUX 1,092 44 21 S A**B**D
WA0DYU 336 28 12 S AB
KK7AT 1,248 63 16 Q ABC
N7LT (+KC7HCR)
1,100 48 20 L ABD

Nevada
K7ICW 7,788 107 59 S **ABCDE**
KO6CX (+KO6YD)
3,052 95 28 L ABD

Oregon
W7DSA 3,450 94 30 S A**BCDE**
N7DB 1,633 60 23 S **A**BCD
W7ZOI (+AA7QU)
442 25 13 M ABD
W7QH (+W7IK)
4,640 100 40 L ABCD
W7LT (KC7AOI,KC7PDI,ops)
1,488 90 16 L ABD
N7CNH (+KC7QAG)
1,392 57 24 L ABD

Utah
NJ7A 552 37 12 S **AB**D**E**
KC7KZD 210 24 6 S B**D**
KC7OLP 464 42 8 Q BD

Western Washington
KE7SW 25,702 253 71 S A**B**C**D9**E**G**
K7JX 20,880 272 58 S A**B**C**D**E
AA7VT 7,697 133 43 S ABCD9E
WA1IED 2,184 76 28 S ABD
KK7LK 1,380 59 20 S ABD
K7XD 910 35 13 S D
W7SZ 671 29 11 S DE
W7BA 605 55 11 S A
KC7WDX 470 47 10 S B
K7ND 462 29 11 S BCD
W7LRD 156 26 6 S B
K7HSJ 14 5 2 S BE
KK7FL (+KC7QBD)
4,760 125 35 M ABD

Wyoming
W7DMD 49 7 7 S **AB**

8

Michigan
K2YAZ 122,364 377 198 S A**BCD9EFH**
K8MD 85,170 371 167 S ABCD9E
KC8AQH 8,109 130 53 S ABD
W8CO 6,026 131 46 S **A**
K8PNW 5,480 96 40 S BDE
K8EB 4,708 107 44 S AB
K8KD 4,446 97 38 S ABD
W8WNX 4,284 102 42 S A
N8ZVB 1,375 55 25 S A
KC8JTK 722 38 19 S AB
W8MGO 504 36 14 S A
N8DGD 310 30 10 S ABD
KC8DAZ (+WW8M)
7,812 87 63 M ABCDEFGJ
WA8RLI (+N8OEO)
4,674 99 38 L ABD
N8PVT (+KC8ALA)
3,239 66 41 L ABD

Ohio
WA8WZG 465,915 993 267 S **ABCD9EFGHI**
KE8FD 164,925 490 225 S ABCD9E
K8TQK 120,958 445 197 S ABCD9
WA8RJF 58,860 279 135 S ABCD9EFH
K8MR 43,008 293 112 S ABCD
KC8CSD 22,841 194 91 S ABCD
K8WW 13,696 129 64 S ABCDE
W8ANS 10,725 119 65 S ABDE
KC8CCD 6,625 125 53 S AB
KC8DMN 3,818 83 46 S AB
KB8JVH 3,280 82 40 S B
KB8YKR 2,784 73 32 S ABD
N8LGP 2,730 91 30 S B
KB8UUZ 2,496 78 32 S AB
WA8TMK 1,890 70 27 S B
W1FEZ 1,794 52 26 S BD
KB8TJX 1,458 47 27 S ABC
KC8CZQ 1,166 53 22 S B
KB8UHY 946 33 22 S BD
KC8CFI 702 29 18 S BD
N8ADO 540 30 18 S AB
N8XWO 475 25 19 S AB
W8IDM 435 29 15 S AB
N8VEA 364 26 13 S ABD
KB8YMN 352 27 11 S ABD
KC8BZV 336 27 12 S ABD
KB8VSX 280 28 10 S B
N8A (N8XA,op)
9,275 120 53 Q ABCD9EI
W8DZ (N8SIM,W8RHR,N8JP,KI8GG,KC8DWR, KC8IXG,KF4BCG,K8CR,ops)
3,115 74 35 L ABCD

West Virginia
K8KFJ 2,451 57 43 S **AB**
K8GP (K1RA,K1TR,K1HTV,KA1TB,K3SX,K3LFO, W3ZZ,N4UK,W4XP,K6LEW,WD8ISK,ops)
1,327,590 1794 495 M ABCD9EFGHIJP

9

Illinois
K2DRH 53,424 313 144 S **ABD**
W9IIX 35,595 250 105 S AB**CD9E**
K9ZZE 18,352 224 74 S ABD
WB9VTF 10,653 152 53 S ABD
WD9ISG 5,494 106 41 S BD
KB9II 2,550 69 30 S ABCD**P**
KB9MLA 2,080 80 26 S B
N9OBE 1,496 44 34 S AB
KB9THA 510 34 15 S A
KB9RJK 306 34 9 S AB
N9MBR 154 14 11 S B
N9YBP 120 21 5 S BD
W9SE 64 8 8 S A
KB9SKP 40 8 5 S B
K9PW 155,056 486 176 Q ABCD9EFGHIJ
W9SZ 330 22 15 Q B
W9FX (+WD9EXD,N9BJG,N9LAG,N9KJE,KB9QKL, KB9QQR)61,320 303 168 L ABCD
KO2R (+KB9KCJ)
4,785 73 55 L ABD
W9DA (KC5OEF,W9YO,ops)
336 36 7 L BD

Indiana
WA1MKE 26,100 179 100 S AB**CD9E**
KB9NKM 11,040 160 69 S A**B**
W9ESU 4,914 83 42 S ABDE
AA9LT 4,620 71 55 S ABCD
KB9MWA 4,000 80 40 S ABD
K8LEE 3,978 102 39 S **A**
K9RQ 962 37 26 S AB
N9RZY 700 28 25 S AB
K9QHO 364 26 14 S B
WD9DSN (+WD9DSP)
6,426 98 54 M ABD
W9ICE (WB9YCZ,WB8ERB,N8NQG,N9QQY, K9YDO,N8JLZ,KA9BFM,KB9NWP,KB9PWA,ops)
131,430 518 195 L ABCD
N8LUX (+KB9NNR,N9XPP,KB9QII)
8,060 125 52 L ABD

Wisconsin
WF9X 82,544 350 154 S **ABCD9E**
W9JN 21,470 165 95 S ABCD
N9LLT 18,091 184 79 S ABCD
AA9VP 14,472 162 72 S ABC
AF9J 5,355 75 51 S ABCDE
K9UUT 5,004 116 36 S ABD
WA9LZM 3,645 81 45 S AB
WA1UJU/9 3,535 101 35 S B
N9UBS 2,880 63 40 S ABD
N6NDP 2,407 83 29 S AB
K9UJH 2,387 75 31 S BD
W9KHH 1,458 54 27 S AB
N9CIQ 1,080 36 24 S ABD
W9HR 1,058 46 23 S AB
K9MAL 945 35 27 S AB
KB9PCU 493 29 17 S AB
N9TUW 425 25 17 S B
W0UC (+ops)
192,148 594 242 M ABCD9EFI
KB9LYL (+KB9KBK)
741 48 13 L ABC

Ø

Colorado
W6OAL 31,458 246 98 S A**B**CD**9EFI**
NØVSB 20,748 198 78 S A**BCD**E
NØKE 6,864 117 52 S ABCD
K6LS 1,712 73 16 S ABCDE
KIØII 1,547 73 17 S ABD
W3DHJ 1,428 51 28 S AB
NN5DX/Ø 1,403 59 23 S AB9
K5GZ 504 26 18 S ABD
KØMP 364 28 13 S A
NØFJ (WH2O,KCØBFB,ops)
5,460 113 35 M ABCDE

Iowa
KØDAS 21,330 147 90 S B**CD9EF**
KØMQS 13,860 198 70 S **B**
NØSPP 8,640 129 64 S **A**BD
ABØHF 2,280 57 40 S AB
WYØV 1,530 46 30 S ABD
KE6NTZ 58 29 2 S B
WØVAN 48 8 6 S A

Kansas
WQØP 85,794 363 181 S AB**CD9EHI**
NØLL 54,662 315 151 S **A**BCDE
NØKQY 18,216 167 92 S A**B**D

Minnesota
KBØVUK 56,364 316 154 S **A**BCD
WAØBWE 47,362 281 119 S AB**CD9EFH**
KØWLU 36,288 299 112 S A**B**D
KAØPQW 28,930 220 110 S ABCD
WA2HFI/Ø 18,368 161 82 S ABCD9E
WBØLJC 9,456 149 48 S ABCD9E
WØAUS 9,222 137 53 S ABCDE
WA2VOI 9,152 121 52 S ABCD9**IJ**
WØKKN 7,400 125 50 S ABD
KBØZEV 6,006 118 42 S ABCD
NØSRQ 5,050 84 50 S ABD
KBØIXC 4,960 112 40 S ABD
KØMHC 4,428 88 41 S ABD
WØPHD 3,280 61 41 S ABDE
NØYXO 3,090 92 30 S ABD
KBØLYL 1,925 175 11 S B
WAØRLY 525 22 21 S ABCD
NØUK (+NØHJZ,WBØGGM,WA2PHW,WØZQ)
133,272 521 216 L ABCD
KBØTZA (+KBØMNK,KAØRYT)
600 30 20 L B

Missouri
KØWR 7,260 94 60 S A**BD**
KØETC 5,457 98 51 S A**BCD**E

North Dakota
NTØV 2,310 52 35 S **ABCDE**
WBØOAJ 300 20 15 S AB

Nebraska
WBØRVS 9,198 126 73 S **AB**
AEØG 130 13 10 S B

South Dakota
WBØLUX 2,205 59 35 S A**B**D
WBØHHM 2,175 54 29 S A**BCD**

Canada

Maritime-Newfoundland
VE1ZJ 345 21 15 S **ABD**
VE1MR (+VO1NO)
4,368 79 42 L ABCD

Quebec
VE2GOG 2,730 164 14 S **BD**
VE2PIJ 780 39 20 S **A**
VE2ZP 96 12 8 S A
VE2SHW 84 42 2 S B
VE2QQ (+VE2HKI,VE2VE,VE2MPD,VE2MBS)
17,538 162 79 L ABCD

Ontario
VE3RM 18,568 157 88 S A**B**C**D**
VE3BFM 8,710 91 65 S AB**CD9**
VE3FHU 7,524 104 57 S ABCD
VE3WCB 5,130 77 45 S ABD**EF**
VE3OJN 4,141 81 41 S ABCD
VE3SXE 3,724 98 38 S A**B**
VE3CWJ 2,142 44 34 S ABCD
VE3NPB 1,860 42 31 S ABCD
VE3VHB 1,272 53 24 S B
VE3FUL 972 36 27 S AB
VE3VRQ 722 38 19 S A
VE3AV 308 22 14 S AB
VE3RQM 108 27 4 S B
VE3TMG (+VE3ATZ)
17,748 216 68 L ABD
VE3SRE (+VA3FIN)
15,820 171 70 L ABCD

Manitoba
VE4KQ 1,403 40 23 S A**BCD9E**
VE4AS 1,222 47 26 S **AB**

Alberta
VE6EKP 442 26 17 S **AB**

British Columbia
VE7AGG 6,981 147 39 S AB**D**
VE7SKA 4,964 141 34 S **AB**D
VE7XF 4,515 102 35 S ABD**E**
VE7VDX 1,860 88 20 S ABD
VE7IHS 1,716 76 22 S ABD
VE7XO 153 17 9 S AB

Rovers

Atlantic
W3EKT (+K3AN)
112,254 669 106 R 4 ABCD9E
K3QII 39,520 299 80 R 5 ABCD9E
K1DS 13,160 197 47 R 3 ABCD
N2GKM (+KC2EBH)
4,356 72 44 R 5 ABCD
N1XSY (+KBØWJO)
2,540 54 20 R 4 ABCD9EFGIK
K2ZD 629 25 17 R 7 BD

Central
W9FZ 50,350 322 95 R 7 ABCD9EFG
WB9SNR 44,910 243 90 R 5 ABCD9EFGHIJ
N8KWX 6,432 133 32 R 4 ABCDP
N9RLA 2,418 80 26 R 4 ABD

Dakota
KFØUK 4,032 112 36 R 4 AB
KBØEET 1,024 52 64 R 2 ABD

Great Lakes
AB4CR (+W8ULC)
175,050 488 150 R 10 ABCD9EFGHIJ
N4STK 107,520 308 120 R 10 ABCD9EFGHIJ
KB8ZW (+WA8TJL)
13,688 154 59 R 4 ABCDE
KF8QL (+N8XHD)
7,599 127 51 R 6 ABCD
K8NFT 3,800 95 40 R 6 AB
NE8I 2,686 44 34 R 5 ABCDFGJ

Hudson
N2MH 9,072 202 42 R 5 ABD
WA2IID 6,956 123 37 R 6 ABCDE
KC2CCY (+N2MNZ)
2,970 73 33 R 6 ABD
N2TIN 242 13 11 R 6 BD
KF2XY/R 66 6 6 R 2 BD9

New England
N1MJD (+N1JEZ)
76,167 600 84 R 9 ABCD9E
N1XHS 9,282 129 28 R 6 ABCD9EFGHIJ
N1RZC 1,944 68 27 R 6 ABD

Northwestern
KA7YOU 31,213 291 85 R 6 ABCD
KB7UEP (+W7FHI)
20,679 236 54 R 7 ABCD9E
WB7DHC 20,178 272 57 R 5 ABCDE

Pacific
K7XC 90,816 516 129 R 21 ABCD
N6IFW 36,040 296 65 R 20 ABCD
W7KK 9,520 192 35 R 6 ABCDE
KE6BZY 7,640 112 7 R 7 ABCDE
KE6NCX (+KF6CRZ)
2,016 54 24 R 4 ABDE
KF6RCI 1,302 53 21 R 2 ABD
WA6UDI 320 32 10 R 5 B
KH6HKL 264 25 8 R 2 ABD

Roanoke
KB4NVD 21,730 215 82 R 5 ABCD
WB3AKD 4,576 143 32 R 4 AB

Rocky Mountain
N3EUA 1,911 60 21 R 4 ABDE
N7TFT 12 3 4 R 3 B

Southeastern
WBØQGH 1,377 34 27 R 4 ABCDE

Southwestern
N6TEB (+KE6RPY)
23,548 281 46 R 12 ABCDE
N6DN 23,352 292 56 R 9 ABCDE
K6NHK (+KE6HGV)
9,840 178 40 R 3 ABCD
KB7PQW (+KE6DBO)
7,511 168 37 R 12 ABD
K6LMN 6,636 189 28 R 2 ABCD
KC6UIX 3,003 91 33 R 4 AB
AD6AF 1,888 91 16 R 4 ABD
KQ6CG 949 42 13 R 2 BCD
KA6T 871 56 13 R 4 BD
KF6RDI 621 69 9 R 4 B

West Gulf
AB5SS (+W5DF)
43,148 253 92 R 11 ABCD9EHIJP
WA5VKS 10,032 187 44 R 11 ABCD9E
WD5AGO 1,311 44 23 R 4 ABC

Canada
VE3OIL 42,840 309 85 R 6 ABCDEFGI
VE3FHK (+VE3NPB)
6,580 106 35 R 4 ABCDEI
VE2OKL (+VE2XDG)
1,007 53 19 R 11 B

Checklogs
K3IXD, KF4DRS, W3EP, W6OMF