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Contest Branch Manager

Results, the 2002 ARRL 160-Meter Contest

Ready to throw conventional wisdom out the door?

"Top band? From my small city lot?"
"I don't have acres to set up Beverages and a four-square."
"You can't work anyone from the 'black hole.'"
"I can't compete against the East Coast."

Near the top of the sunspot cycle, conventional wisdom says don't waste too much time on the low bands. Noise-levels are higher. Activity is down. Propagation isn't as good. You won't be able to work through the East coast curtain for the DX (well, that is the claim pretty much for all contesters from west of the Mississippi).

So what happened during the 2002 ARRL 160-Meter Contest?

In a year when you would expect participation to be average, since we are just past the sunspot cycle peak and not nearly at the bottom, a record number of entries were received for the contest. The old record of 777 (1996) was not just broken, it was shattered, as a record 930 entries were received at the ARRL—a 20% increase!

A new overall record was set in the Single Operator High Power category—although this one is easily explainable since it was by the superstation of VY2ZM (aka Jeff, K1ZM, arguably the most dominant contester on Top Band these days). But besides the obvious, at least one new division category record was set in five ARRL Divisions (Central, Great Lakes, New England, Roanoke and Rocky Mountain). Finally, one of the other Canadian category records was rewritten.

So, do we throw out conventional wisdom for a "new era" on Top Band?

Before we get carried away…

While total number of QSOs reported for 2002 was an all-time record (263,091) the mean and median number of QSOs were well below previous record levels for the contest. So we have more logs, but fewer QSOs per log.

During the contest, Jeff, VY2ZM, worked a total of 1592 valid QSOs surpassing the previous top QSO total made by any class station of 1563, done in 1996 by the W4WA multioperator winner. Since you can only work a station once during this contest, perhaps another good measure of activity (at least for this contest) is the fact that there were at least 1593 stations on the air that made at least one contact.

Participation by Single Operator stations was at an all-time high in each of the three power categories—QRP (82), Low (422), and High (311). It was good to see QRP activity growing. Several participants mentioned using the popular K2. John, K4WTF, participating in his first-ever contest—talked about the thrill of working both KH6ND and ZF2NT.

Top Ten

Single Operator, QRP

WA4PGM	70,497
N8VW	69,370
W3TS	56,224
W8VK	49,471
N7IR	36,934
N2CU	35,412
W4FMS	31,819
KD7AEE	31,552
K4WTF	30,919
WB8RTJ	30,294

Single Operator, Low Power

K1PX	174,600
K7CA	172,557
KO9A	143,701
W2LC	138,523
WX9U	130,284
K2BA	129,150
K4CNW	128,002
K4OAQ	124,336
WØUO	122,924
WB9CIF	120,238

Single Operator, High Power

VY2ZM (K1ZM, op)	639,744
AA1K	347,415
K9DX	314,172
W4MYA	303,054
VE3EJ	278,850
N1EU	278,320
N2NT	260,172
W5MX	233,700
K5NA	227,856
N4AF	216,546

Multioperator

KC1XX	405,728
W2GD	343,196
WB9Z	299,985
K8XXX	267,200
NO2R	251,899
K9IZ	238,832
NØNI	226,530
WØAIH	210,672
KVØQ	210,056
K3WW	202,368

Top Ten Finishers

In the Single Operator QRP category, a close finish was seen between Kyle, WA4PGM, who set a new Roanoke Division record and Pat, N8VW, who staked

The K6OM QTH was at Bodega Bay, California, made famous by the Hitchcock movie, "The Birds." The tides and weather played havoc with their antenna system.

Expanded Reports Available

For expanded results, participant soapbox and the complete scores in a user-searchable database, please visit **www.arrl.org/contests/results**. ARRL Members without Internet access may obtain a printout of the complete line scores by sending a self-addressed, stamped envelope to ARRL Contest Results, 225 Main St, Newington CT 06111. Please be sure to include the contest name and year.

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Top Five By Region

Tables list call sign, score, QSOs, multipliers, power (A = QRP, B = Low Power, C = High Power, D = Multioperator)

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)					Southeast Region (Delta, Roanoke and Southeastern Divisions)					Central Region (Central and Great Lakes Divisions; Ontario Section)					Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)					West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)				
W3TS	56,224	499	56	A	WA4PGM	70,497	558	63	A	N8VW	69,370	490	70	A	KD7AEE	31,552	249	64	A	N7IR	36,934	310	59	A
N2CU	35,412	339	52	A	W4TMR	29,044	268	53	A	W8VK	49,471	409	61	A	WØRSP	23,161	214	53	A	WX7G	13,940	170	41	A
K3TW	22,618	260	43	A	KW4JS	12,710	164	41	A	W4FMS	31,819	344	47	A	WØSEI	23,100	238	50	A	N6WG	12,204	168	36	A
W1AMF	15,129	188	41	A	W4DEC	11,440	142	40	A	K4WTF	30,919	334	49	A	WA8ZBT	22,842	243	47	A	K6EI	12,096	191	32	A
W1EM	10,760	135	40	A	K8OWL	10,032	132	38	A	WB8RTJ	30,294	304	51	A	WØCH	20,748	198	52	A	N6CMF	11,268	155	36	A
K1PX	174,600	938	90	B	K4CNW	128,002	761	82	B	KO9A	143,701	901	79	B	K7CA	172,557	942	83	B	N6MU(@N6NB)	63,145	425	73	B
W2LC	138,523	888	77	B	K4OAQ	124,336	812	76	B	(@WE9V)					K2BA	129,150	860	75	B	N6RK	54,390	382	70	B
WA1Z	93,528	631	72	B	K4WI	84,375	557	75	B	WX9U	130,284	837	77	B	WØUO	122,924	769	79	B	N6NF	52,302	350	69	B
K1NK	88,515	703	63	B	NA4K	72,280	552	65	B	WB9CIF	120,238	756	79	B	NØFP	104,720	678	77	B	AC7A	39,130	298	65	B
K1DC	79,940	562	70	B	K3JT	70,560	499	70	B	K9BG	110,732	721	76	B	NØIM	103,896	660	78	B	K7ON	38,610	292	66	B
										K8FH	107,870	769	70	B										
VY2ZM	639,744	1592	136	C	W4MYA	303,054	1330	106	C	K9DX	314,172	1387	108	C	K5NA	227,856	1152	94	C	K6SE	134,055	777	81	C
(K1ZM, op)					N4AF	216,546	1000	102	C	VE3EJ	278,850	1181	110	C	N5RG	175,120	949	88	C	KH6ND	123,760	645	80	C
AA1K	347,415	1353	115	C	N4PN	199,108	1064	91	C	W5MX	233,700	1193	95	C	K5RX	173,070	914	90	C	(@KH7R)				
N1EU	278,320	1110	112	C	K4EA	169,442	819	98	C	K9NW	208,620	1131	90	C	AE9B	170,796	982	86	C	KG7H	122,391	701	81	C
N2NT	260,172	1084	108	C	K8AC	154,425	848	87	C	N9RV	197,997	1031	93	C	NØTT	157,120	980	80	C	WA7LT	111,274	654	82	C
K1RX	203,991	918	97	C																W6TRW (KØDI,op)	109,980	657	78	C
KC1XX	405,728	1306	124	D	W4CBX	112,133	664	83	D	WB9Z	299,985	1374	105	D	NØNI	226,530	1248	90	D	N7GP	173,968	962	83	D
W2GD	343,196	1222	119	D	N4CW	108,216	647	81	D	K8XXX	267,200	1288	100	D	KVØQ	210,056	1113	88	D	N7KE	97,014	591	74	D
NO2R	251,899	997	109	D	K3KO	101,360	619	80	D	K9IZ	238,832	1277	92	D	NX5M	198,540	1056	90	D	K7TJR	60,705	389	71	D
K3WW	202,368	1010	96	D	W4NF	100,548	647	76	D	WØAIH	210,672	1190	88	D	N5TW	192,774	1061	89	D	W7TCP	47,168	349	67	D
K2UG	201,818	1031	94	D	N4VV	51,940	360	70	D	N8EA	126,034	756	82	D	N1LN	165,528	900	88	D	W6AW	38,864	349	56	D

his claim with a new Great Lakes Division record. Once the dust had settled, it was Kyle taking top honors back to his Virginia shack by a score of 70,497 to 69,370. After N8VW (OH) we find Dana, W3TS (EPA), Rick, W8VK (OH), Gary, N7IR (AZ), Tom, N2CU (WNY), Frank, W4FMS (MI), Dave, KD7AEE (UT), John, K4WTF (OH), and Jim WB8RTJ (OH) rounded out the category Top Ten.

Single Operator Low Power also saw a real tussle for top honors, this time between Jim, K1PX (CT), and Al, K7CA (UT). Though Al set a new Rocky Mountain Division record, he finished second by a mere 2043 points behind Jim, who entered the winner's circle from New England. Jim, KO9A, using the WE9V station in WI finished third while also setting a new Central Division record. Scott, W2LC (WNY), Phil, WX9U (IL), Bert, K2BA (OK), Jack, K4CNW (SC), Fritz, K4OAQ (TN), Jim, WØUO (NTX) and Mark, WB9CIF (IN), all managed to find their way into the Top Ten box for 2002.

Besides VY2ZM's category record in the Single Operator High power category, we find new records set by John, K9DX (IL), in the Central and Bob, W4MYA (VA) in the Roanoke Divisions. Finishing second in the overall category was Jon, AA1K (DE) who finished ahead of K9DX and W4MYA. Rounding out the Category Top Ten you will find top Canadian in the category John, VE3EF (ON), followed by Barry, N1EU (ENY), Andy, N2NT (NNJ), Bryan, W5MX (KY), Richard, K5NA (STX) and Howie, N4AF (NC).

Eight of the Top Ten multioperator stations were traditional multiop stations, while two used spotting assistance. Congratulations to the operators at KC1XX (NH) who took top category honors with a score of 405,728. The score does establish a new standard for the New England Division. Finishing second were the capable handlers at the W2GD (SNJ). Third place was claimed by the WB9Z (IL) entry while K8XXX (MI) finished in fourth position. Other multioperator stations breaking the Top Ten included NO2R (NNJ), K9IZ (IN), NØNI (IA), WØAIH (WI), KVØQ (CO) and K3WW (EPA). While not making the Top Ten box, a special recognition goes to the VE2OJ entry, which set a new Canadian category record.

Affiliated Club Competition

Just as in Sweepstakes, the battle for the Unlimited Category was another chapter in the continuing feud between the Society of Midwest Contesters and the Potomac Valley Radio Club. SMC was able to hold off the PVRC challenge, due to 13 more logs and with about 5 k more points per log. The Medium Club gavel was claimed by the Yankee Clipper Contest Club, which edged out the Frankford Radio Club by about 500 k points. The CT RI Contest Group took top honors in the Local Club category.

Conclusion

Gene, N9TF, speaks for quite a lot of 160-meter search-and-pounce enthusiasts. "If there is one contest I make sure I don't miss each year, it's this one.

"I challenge myself to work all states and mults. However even though I missed WAS again this year (by 6) I did work my second to last state needed (ID) for 160-Meter WAS. Now if I could just find that AK station, I will be done."

Affiliated Club Competition

Unlimited Category	Score	Entries
Society of Midwest Contesters	4,043,590	67
Potomac Valley Radio Club	2,963,348	54
Medium Category		
Yankee Clipper Contest Club	3,100,162	39
Frankford Radio Club	2,585,090	35
Minnesota Wireless Assn	2,180,385	47
Mad River Radio Club	1,603,962	21
Contest Club Ontario	1,123,761	14
Kansas City DX Club	796,290	16
Central Texas DX and Contest	649,590	6
Hudson Valley Contesters and DXers	627,998	7
North Texas Contest Club	624,186	7
South East Contest Club	570,163	10
Tennessee Contest Group	537,723	16
Grand Mesa Contesters of	537,176	7
Kentucky Contest Group	432,421	7
Florida Contest Group	411,390	13
Northern California Contest Club	379,352	18
Rochester (NY) DX Assn	341,183	8
Willamette Valley DX Club	291,230	6
North Coast Contesters	288,894	7
Southwest Ohio DX Assn	257,494	3
Southern California Contest	171,304	9
Texas DX Society	139,803	3
Central Arizona DX Assn	134,445	4
Green River Valley ARS	124,684	4
Order of Boiled Owls of New York	69,750	3
Western Washington DX Club	64,562	9
West Park Radiops	40,838	4
Bergen ARA	25,286	3
Local Category		
CT RI Contest Group	183,215	6
Medina 2 Meter Group	145,961	3
River City Contesters	130,469	5

The 2003 ARRL 160-Meter contest will be held December 5-7. Anyone want to bet Gene finds the AK to finish off the WAS? A G5RV and tuner may not be the most efficient setup for 160, but it will get you on the air. Can we throw conventional wisdom out the window? Who knows… Can we guarantee some fun to be experienced on Top Band? You bet!

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Scores

Scores are listed by DXCC Countries and ARRL\RAC Sections. Within each Country or Section, scores are listed in descending order, by power categories, followed by multioperators. Line scores list call sign, score, QSOs, multipliers, power (A = QRP, B = Low Power, C = High Power, D = Multioperator

Africa

Ascension Island

ZD8R (N6ND, op)	2,256	51	24	C
ZD8A	8	2	2	C

Asia

Japan

JH4UYB	18	3	3	A
JE1TSD	408	18	12	B
JE1SPY	336	18	12	B
JH7XMO	252	14	9	B
JA1CP	176	11	8	B
JA1IZZ	60	6	6	B
JK2VOC	4	2	1	B
JH7XGN	3,588	79	23	C
JH2FXK	1,600	42	20	C
JN1BMX	1,482	40	19	C
JA4XRN	588	21	14	C
JA5IP	374	17	11	C
JR3NZC	198	11	9	C
JA3YBK (+JH3PRR, JO3LDN, JF4FUF)	756	27	14	D

Europe

Portugal

CT1ILT	4,640	82	29	C

Fed. Rep. of Germany

DF2PY	5,632	88	32	C
DL7CX	672	22	16	C
DJ8FR	216	13	9	C
DL6LAU	144	9	8	C

Spain

EA1WX	64	8	4	C

Balearic Islands

EA6ACC	1,750	36	25	C

France

F6IRF	280	14	10	B
F5RAB	198	11	9	C

England

M8C (G4DBL, op)	2	1	1	A
G4VGO	3,600	62	30	B
M7M (GØCKP, op)	4,988	87	29	C
G4OBK	1,512	36	21	C
G4BUO	1,120	28	20	C

Wales

GW3JXN	1,804	43	22	C

Hungary

HA1AV	180	10	9	B

Switzerland

HB9AAD	32	4	4	C

Lithuania

LY3UM	1,920	40	24	C
LY2OX	260	14	10	C
LY2TA (+LY2CY)	1,470	40	21	D

Finland

OH3WD	8	2	2	C

Czech Republic

OK2EQ	12	3	2	B
OK2BGK	2,070	47	23	C
OK1DOS	1,040	30	20	C
OK1DWJ	588	21	14	C
OK2LW	60	6	5	C

Slovakia

OM3GI	704	25	16	C

Belgium

ON6AA	6,208	101	32	C

Netherlands

PA3AAV	240	12	10	B
PAØINA	198	11	9	B

Slovenia

S58A	15,280	192	40	C

Poland

SP6IHE	8	4	2	B
SP2FAX	6,612	89	38	C
SP5DRH	832	26	16	C
SP5LCC	390	15	13	C
SP2FMN	2	1	1	C

Latvia

YL2LY	8	2	2	C

North America

Martinique

FM5GU	121,804	837	74	C

Panama

HP1AC	32	4	4	B

Turks & Caicos Islands

VP5WW (W4OV,op)	30,024	278	54	B

Mexico

XE1MM	7,920	91	44	C

Cayman Islands

ZF2NT	150,176	993	76	C
ZF2AH	77,088	548	73	C

Oceania

Philippines

DU9/NØNM	16	4	2	C

Australia

VK3IO	3,712	60	32	C
VK5GN	494	19	13	C

South America

Aruba

PØTA (K6TA, op)	124,960	739	88	C

Brazil

PY2NDX	1,218	29	21	C
PV8DX	126	9	7	C

US

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Connecticut

W1AMF	15,129	188	41	A
K5GMX	8,118	123	33	A
K1PX	174,600	938	90	B
AA1ZT	66,436	478	68	B
NX1Q	10,471	141	37	B
KA1VMG	3,807	76	27	B
K1BTD	3,648	76	24	B
W1JQ	24	4	3	B
K1VW	186,219	843	99	C
W1QK	137,424	780	84	C
K1KI	40,922	239	74	C
K1JN	16,560	172	48	C
W1WEF	11,676	133	42	C
NT1N	9,408	84	48	C
WØBR	7,326	102	37	C
NZ1U (N1XS, KB1H, ops)	129,360	788	80	D
N4XR (+packet)	20,215	137	65	D

Eastern Massachusetts

W1EM	10,760	135	40	A
W1TW	6,699	104	33	A
AD1B	3,500	70	25	A
K1HJ	2,728	65	22	A
K1DC	79,940	562	70	B
W1TE	43,710	345	62	B
WG1Z	33,152	289	56	B
K1NTR	30,108	285	52	B
N1QY	25,382	258	49	B
WV1K	16,758	161	49	B
N1DM	15,867	180	43	B
W1VIV	14,703	189	39	B
N3KCJ	10,570	151	35	B
K1EP	9,656	142	34	B
W1EZ	9,652	128	38	B
K1HT	9,061	106	41	B
K1TH	1,800	46	20	B
K5MA	115,584	605	86	C
K1GU	87,010	547	77	C
K2LP	23,450	221	50	C
NK1L	20,400	255	40	C
KA1RM	13,520	166	40	C
W1AX	3,712	64	29	C
N1SNB (+packet)	48,546	399	62	D
N1SV (+packet)	37,568	290	64	D
K1VV (+packet)	19,584	202	48	D
WO1N (+ packet)	14,445	154	45	D

Maine

W1CEK	9,030	106	43	A
NY1S	26,190	291	45	B
W1AO	19,950	198	50	B
N1CGP	5,846	79	37	B
K1PQS	77,490	513	70	C

New Hampshire

AA1LN	6,697	98	37	A
WA1Z	93,528	631	72	B
K1TR	6,572	104	31	B
K1HI	4,263	73	29	B
K1RX	203,991	918	97	C
W1ECT	161,252	845	91	C
KT1V	59,675	277	77	C
W1ZC	16,524	157	51	C
WC1M	12,201	121	49	C
KC1F	9,216	129	36	C
KC1XX (+W1FV, KM3T, K1GQ)	405,728	1306	124	D
KØTV (+KB1PZ)	150,025	828	85	D
KZ1O (+packet)	20,784	214	48	D

Rhode Island

WB2VVV	3,068	60	26	A
KS1J	16,646	202	41	B
WA1LAD	768	24	16	B
K1DFT	88,920	452	90	C
W1OP (+packet)	70,810	477	73	D

Vermont

K1KD	58,856	523	56	B
WE1H	6,272	100	32	B
W1ECH	4,320	72	30	B
W1SJ	171,615	983	85	C

Western Massachusetts

N1RL	64,704	495	64	B
W1TO	112,465	653	83	C
K5ZD	74,004	338	84	C
KZ1M	25,116	240	52	C
W1CSM	14,076	126	51	C
W1QA (+NC1I)	130,942	641	94	D

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Eastern New York

W2RBA	6,780	115	30	A
K2UF	36,234	330	54	B
W2WC	25,382	253	49	B
W2ENY	2,116	46	23	B
WB2PUH	1,520	38	20	B
W2YK	532	20	14	B
W2WB	468	19	13	B
N1EU	278,320	1110	112	C
N2TK	42,112	318	64	C
K2SX	39,167	369	53	C
W2FCA	32,940	263	61	C
NA2M	30,051	225	63	C
W2GDJ	19,943	203	49	C
W2RE	6,171	92	33	C
K2UG (KY2J, WA2JQK, ops)	201,818	1031	94	D
N2SA (+W2XL)	94,248	593	77	D

NYC-Long Island

W2HLI	36,351	281	63	B
KA2L	9,516	127	39	B
W2MQB	7,786	113	34	B
K2OVS	4,278	66	31	B
W2JRF	32	4	4	B
NY6DX (+packet)	637	27	13	D

Northern New Jersey

K2JT	6,272	112	28	A
W2JEK	5,974	103	29	A
K1NK	88,515	703	63	B
N2NC	24,570	218	54	B
W2VQ	14,950	166	46	B
K2YLH	13,040	170	40	B
N2CG	10,686	139	39	B
KB2FM	2,500	50	25	B
N2NT	260,172	1084	108	C
N2LT	146,028	813	86	C
WA2VYA	80,178	565	69	C
K2DM	38,656	299	64	C
N2ED	37,107	296	63	C
W2OO	26,904	226	57	C
W2LE	5,985	81	35	C
NO2R	251,899	997	109	D
AB2DE (+KC2AVE)	62,568	385	79	D

Northern New York

W2IB (+N4TW)	72,936	498	72	D

Southern New Jersey

AD3Y	96	8	6	A
W5KI	11,767	142	41	B
N2VW	11,520	130	45	B
K2JF	7,252	108	37	B
W2GD (+K2TW, W2CG, W2NO, N2OO, KU2C)	343,196	1222	119	D
W2YC (+packet)	66,300	429	75	D
K2SB (+packet)	24,084	221	54	D
K2OWE (+packet)	3,556	65	28	D

Western New York

N2CU	35,412	339	52	A
W2LC	138,523	888	77	B
W2TX	54,312	432	62	B
W2TZ	31,968	327	48	B
K2CS	7,562	99	38	B
WB2ABD	4,234	74	29	B
N2DBI	3,774	57	34	B
K2FU	104,280	642	79	C
W2FU	83,895	448	85	C
K2OS	38,164	326	58	C
N2WK	36,582	273	67	C
K2NV	23,296	198	56	C
WB2HJV	21,165	203	51	C
K2UA	9,944	114	44	C
WD5T	6,688	77	44	C
W2RW (+WB2KAO)	11,544	149	39	D
W2SEX (N2RHL, W2TPC,KC2ALA, ops)	2,552	47	29	D

3

Delaware

DJ4KW	80	8	5	B
AA1K	347,415	1353	115	C
N3DXX	23,641	255	47	C

Eastern Pennsylvania

W3TS	56,224	499	56	A
W3ZMN	3,240	61	27	A
K3SWZ	55,380	421	65	B
K3OQF	21,784	200	56	B
N3NR	20,709	176	59	B
K3SV	18,630	201	45	B
WA3IIA	16,458	213	39	B
K3NK	11,808	143	41	B
KB3IEO	8,658	121	37	B
WA3AAN	6,696	110	31	B
W8IJ	308	14	11	B
WE3C	149,468	841	86	C
NY3A	114,120	784	72	C
W3RJ	83,200	491	80	C
K3MD	47,946	385	61	C
W3BGN	43,316	284	68	C
K4JLD	32,067	249	63	C
W3AP	21,206	228	46	C
W3MF	17,329	199	43	C
WT3P	5,880	85	35	C
KB3TS	4,836	84	31	C
K3WW (+packet)	202,368	1010	96	D
W8FJ	106,200	553	90	D
K3ATO (+packet)	51,415	395	65	D
W3FV (+packet)	35,896	315	56	D
W3OV (+packet)	34,650	347	50	D
N3MX (+packet)	18,990	224	45	D
NZ3O (+packet)	18,500	179	50	D
K3CP (+packet)	14,310	153	45	D
K3ND (+packet)	10,105	98	47	D
KU3X (+packet)	6,440	96	35	D
K3NM (+packet)	4,200	55	35	D

Maryland-DC

K3TW	22,618	260	43	A
NG3K	6,831	102	33	A
K1HTV	53,337	378	69	B
AI3M	37,800	345	54	B
N3II	24,544	227	52	B
W2GG	18,870	180	51	B
WK3H	17,071	199	43	B
NS3T	15,664	176	44	B
K3DSP	11,622	151	39	B
W3CP	10,004	123	41	B
K2YWE	6,720	94	35	B
AD3F	5,200	50	50	B
W3DF	115,654	742	77	C
K3ZO	111,095	627	85	C
K2PLF	98,864	648	74	C
N3UM	95,637	661	71	C
N4GG	54,932	437	62	C
N3HUV	41,976	397	53	C
W3GN	25,281	232	53	C
WX3B	20,832	212	48	C
N3AM	19,488	200	48	C
W3GG	18,584	196	46	C
K3DI (+K2YWE)	154,560	899	84	D
N3OC (+packet)	43,680	357	60	D
W3HVQ (+packet)	36,120	293	60	D

Western Pennsylvania

WW3S	76,092	551	68	B
AA3ZV	66,799	494	67	B
AD8J	33,176	319	52	B
AA3ML	10,184	135	38	B
N3LL	5,580	91	31	B
W3ZA	2,928	61	24	B
N3GJ	2,400	50	24	B
W3GH	200,160	1000	96	C
WA3GQU	90	9	5	C

4

Alabama

W4DEC	11,440	142	40	A
WB4HUX	600	25	12	A
K4WI	84,375	557	75	B
K4IQJ	29,256	271	53	B
AF4OD	25,308	222	57	B
N4AX	676	26	13	B
W4NTI	45,260	359	62	C

Georgia

WB6BWZ	9,432	128	36	A
N4MAP	6,580	99	35	A
K4SB	56,856	417	69	B
NE4S	55,185	418	65	B
W4DD	52,455	395	65	B
KU8E	50,922	365	69	B
AA4LR	23,715	232	51	B
AK4XX (OH7KD, op)	15,435	150	49	B
N4WD	7,956	120	34	B
K4EA	169,442	819	98	C
K4BAI	72,224	483	74	C
N4NX	70,956	431	81	C
W4IS	13,156	142	46	C
N4XMX (+packet)	8,976	98	44	D

Kentucky

K4FXN	100,344	679	74	B
KM4FO	27,445	251	55	B
W5MX	233,700	1193	95	C
N4XM	5,406	72	34	C
N4GN (+packet)	39,744	273	69	D
K4WW (+packet)	14,696	168	44	D

North Carolina

W4TMR	29,044	268	53	A
WB4MSG	21,783	206	53	B
WJ9B	20,130	177	55	B

W9IXX 16,324 152 53 B
N4UH 11,316 120 46 B
W4YDY 9,009 117 39 B
N4NTO 8,228 121 34 B
NX9T 6,580 99 35 B
N4AF 216,546 1000 102 C
K8AC 154,425 848 87 C
K4SV 75,682 457 79 C
NR3X (N4YDU, op)
74,905 516 71 C
N4CW (+KO7X)
108,216 647 81 D
K3KO (+packet)
101,360 619 80 D

Northern Florida
KQ4YY 1,280 29 20 A
KN4Y 12,852 150 42 B
W4AA 9,460 107 43 B
W8IM 2,968 50 28 B
N4PN 199,108 1064 91 C
NU4Y 79,760 474 80 C
W7QF 26,901 202 63 C
N4EK 21,788 200 52 C
W3TMZ 19,266 154 57 C

South Carolina
K4CNW 128,002 761 82 B
WA4AOS
17,136 165 51 B
K4ADI 3,696 66 28 B
N2FY 47,656 304 74 C

Southern Florida
W4SAA 7,511 97 37 B
N4PSE 5,365 75 37 B
K4RFK 714 21 14 B
N4BP 122,378 694 86 C
N8PR 45,584 272 77 C
WC4H 40,610 329 62 C
KC4HW (+AF4Z, W2DTJ)
5,550 75 37 D

Tennessee
KW4JS 12,710 164 41 A
WA4AA 3,740 55 34 A
WA4HLV 2,024 44 23 A
NA4K 72,280 552 65 B
W4DAN 61,008 498 62 B
WO4O 52,734 398 66 B
W9WI 50,526 398 63 B
K3JXO 43,089 402 53 B
W4NZ 42,273 344 61 B
K4BEV 38,720 297 64 B
W4HZD 13,902 173 42 B
W4YGE 12,800 160 40 B
N4DW 11,609 122 47 B
K4AMC 8,646 128 33 B
WO4Y 7,960 98 40 B
WB3JKQ 7,904 107 38 B
K3CQ 7,486 98 38 B
K4BP 3,024 55 28 B
NQ4U 570 23 15 B
W4BCG 242 13 11 B
N4IR 114,784 838 68 C
K4RO 66,605 422 77 C
KØEJ 31,372 250 62 C
K4WX 22,950 228 51 C
W4OGG 6,912 96 36 C
W4CBX (+N4DD, W4FXO)
112,133 664 83 D
N4VV (+packet)
51,940 360 70 D
AG4V (+packet)
26,928 197 68 D

Virginia
WA4PGM
70,497 558 63 A
N4ROA 8,968 115 38 A
K4UK 8,880 120 37 A
K4OAQ
124,336 812 76 B
K4ORD 55,056 437 62 B
K3MT 51,520 397 64 B
W4PM 47,734 406 58 B
W4YE 32,364 255 62 B
N4MM 31,680 240 64 B
W2YE 27,108 242 54 B
K4EU 20,688 215 48 B
WK4Y 19,900 190 50 B
K4RDU 18,275 213 43 B
AD4TJ 13,288 150 44 B
W4VG 12,714 163 39 B
K3WA 11,454 122 46 B
KI3O 6,732 103 33 B
K3MZ 864 24 18 B
W4MYA
303,054 1330 106 C
K4ZW 131,718 723 87 C
K3ZM 70,818 528 66 C
N3JB 56,298 419 66 C
W4EI 28,850 293 50 C
K1GG 21,306 196 53 C
K4IA 18,400 199 46 C
K1KO 15,582 151 49 C
W4HJ 5,616 73 36 C
W4NF (+packet)
100,548 647 76 D
W4TNX (+packet)
14,364 165 42 D

Virgin Islands
NP2MJ 52,185 356 71 B

West Central Florida
WØPV 1,704 33 24 A
K4GKD 51,744 382 66 B
K1TO 234 13 9 B
K9HUY 4,830 67 35 C

5

Arkansas
KJ5WX 29,766 219 66 B
K5ACO 8,360 110 38 B
K5VR 5,244 69 38 B
K5BAT (WA5BDU, WU5X, W5RZ, K5RPD, ops)
20,466 194 54 D

Louisiana
N6SL 8,398 109 38 B

Mississippi
W5UE 41,211 358 57 B
WQ5L 37,800 291 63 B
NI5F 17,340 166 51 B
N4OGW 99,698 625 79 C
N5ID 9,202 111 43 C

New Mexico
K7IA 14,248 136 52 B
N5KH 9,156 109 42 B
WA7LNW
128,248 783 82 C
W6PU 120,690 733 81 C
N7DF 61,864 404 74 C
N6ZZ 58,050 381 75 C
N5UL 50,832 341 72 C
K5AM 19,352 161 59 C
W6TER (+WD7Z)
65,910 414 78 D

North Texas
WA8ZBT
22,842 243 47 A
WØUO 122,924 769 79 B
AC5HF 28,380 218 66 B
KB5NJD 19,482 187 51 B
AA5AM 17,543 159 53 B
WØVX 10,692 121 44 B
N5HSG 1,120 40 14 B
N5RG 175,120 949 88 C
N5RX 173,070 914 90 C
N5PO 99,840 630 78 C
AA5BG 31,330 244 65 C
K5ZO (+KK7JS)
161,112 961 84 D
K1NT (+packet)
52,614 353 74 D

Oklahoma
K2BA 129,150 860 75 B
K5CM 75,375 498 75 B
NEØP 5,760 98 30 B
AB5ZA 2,520 60 21 B
KA5BAY 1,722 44 21 B
K5TTN 1,600 40 20 B
N5OT 131,057 780 83 C
N5OHL 2,640 72 22 C

South Texas
K5WA 67,032 433 76 B
K5LJ 22,156 186 58 B
AJ4F 17,765 158 55 B
K5WAF 5,412 79 33 B
KI5DR 156 13 6 B
K5NA 227,856 1152 94 C
N5ZK (W5ASP, op)
55,545 398 69 C
K5TR 21,112 182 58 C
NA4M 13,622 133 49 C
WF5W 12,912 145 48 C
NX5M (+N5XJ, UAØOFF)
198,540 1056 90 D
N5TW (+W5TA, KE5C)
192,774 1061 89 D
N1LN (+packet)
165,528 900 88 D
K5IUA (+N5KEX, WA4PSO, N5PV, WA5SNL)
114,636 697 82 D
N5MT 17,226 141 58 D
N3BB (+packet)
16,642 151 53 D

West Texas
W5ZO 59,718 405 74 B
K4NR 14,160 143 48 B
NZ5M 728 28 13 B
W5JMW 29,862 234 63 C

6

East Bay
N6WG 12,204 168 36 A
K2KW 26,961 238 57 B
K6SRZ 11,254 159 34 B
KE6QR 2,688 65 21 B
N6RO 48,576 327 69 C
W7DR 11,340 159 35 C

Los Angeles
KU6T 930 31 15 A
KØINT 11,390 166 34 B
ND6P 4,125 84 25 B
WO6M 3,703 82 23 B
WA6BOB 3,500 71 25 B
N6GL 2,880 72 20 B
W3SE 1,188 34 18 B
AD6PC -4 2 2 B
N5BF 8,432 137 31 C
N6TW 7,227 109 33 C
W4EF 630 21 15 C
W6YRA (WA6AYI, K6LDO, AC6YV, KN6Y, KU6T, ops)
18,216 211 44 D

Orange
N6CMF 11,268 155 36 A
N6PE 2,250 46 25 B
K6NR 45,764 324 68 C
W6HG 26,052 243 52 C

Pacific
KH6ND (@ KH7R)
123,760 645 80 C
NH7O (N6KB, op)
24,080 217 56 C

Santa Barbara
W6GL 2 1 1 A
WA5VGI 66,456 442 72 C
N6VR 43,030 314 65 C

Santa Clara Valley
K6EI 12,096 191 32 A
N6NF 52,302 350 69 B
K6RB 14,715 162 45 B
W7SW 5,512 106 26 B
K2RDX 4,984 89 28 B
W6PRI 1,110 37 15 B
N5CV 690 23 15 B
WØYK 70,992 488 68 C
K6OY 65,175 422 75 C
K6XX 42,834 319 66 C
N6RZ 37,386 277 67 C
K6MO 13,376 149 44 C
K6III 2,814 67 21 C
NI6T (+packet)
15,660 144 54 D

San Diego
W8QZA 1,200 40 15 A
AA6EE 9,520 137 34 B
WN6K 6,812 132 26 B
W6TRW (KØDI, op)
109,980 657 78 C

San Francisco
W6JTI 23,184 239 46 B
WW6D 3,080 77 20 B
K6OM (+WA6HZT, WB6HII)
11,253 185 31 D

San Joaquin Valley
K6MI 2,438 54 23 A
N6MU (@N6NB)
63,145 425 73 B
N6IV 5,160 86 30 B
K6CSL 1,980 55 18 B
KI6PG 1,800 36 25 B
K6SE 134,055 777 81 C
KA6BIM 73,803 501 73 C
K6YK 11,956 119 49 C

Sacramento Valley
N6RK 54,390 382 70 B
KI6IV 10,980 187 30 B
K6KYJ 9,141 137 33 B
W6RFF 6,902 101 34 B
K6DGW 5,824 114 26 B
KU6J 4,100 82 25 B
K9JM 4,020 67 30 B
W6NKR 990 34 15 B
K6UO 528 24 11 B
N6JV 64,167 426 73 C
K6LRN 31,598 247 61 C
W6EU 29,224 272 52 C
K7FF 9,954 117 42 C
W6RKC 3,068 59 26 C
N6DW 870 32 15 C
W6AW (+ WB6RVR, WB6RUU, K6LQ, K6PW, K6SDW) 38,864 349 56 D

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Alaska
NL7Z 5,220 95 29 C

Arizona
N7IR 36,934 310 59 A
WØYHE 1,720 45 20 A
AC7A 39,130 298 65 B
K7ON 38,610 292 66 B
KJ7WY 30,600 262 60 B
W7ZMD 20,723 198 53 B
KN5H 1,449 33 21 B
W9NGA 52,164 355 63 C
KC7V 45,288 299 72 C
KY7M 31,500 245 63 C
W7YS 27,625 214 65 C
KØDR 15,057 120 63 C
N7GP (N5IA, W7MCO, NI5L, ops) 173,968 962 83 D

Eastern Washington
K7BFL 420 21 10 A
K7QBO 19,344 205 48 B
WS7V 2,760 61 23 B
WA7LT 111,274 654 82 C
K7OX 89,762 595 74 C

Idaho
WX7G 13,940 170 41 A
KG7H 122,391 701 81 C
KA7T 60,513 420 69 C
KØTO 52,260 394 67 C

Montana
KE7NO 26,854 227 58 B
K7PGL 17,920 161 56 B
K7BG 76,760 500 76 C
W7LR 27,560 197 65 C

Nevada
N7ON 7,560 135 28 B
AE7I 286 13 11 B

Oregon
AA7IH 4,158 78 27 B
W7GG 92,588 554 79 C
K7MI 45,504 346 64 C
W2VJN 33,660 255 51 C
K7RAT (N6TR, op)
32,635 266 61 C
K4XU 25,056 260 48 C
W7OT 7,560 108 35 C
K7TJR (+K7ZUM)
60,705 389 71 D

Utah
KD7AEE
31,552 249 64 A
K7CA 172,557 942 83 B
W7HS 21,987 170 63 B
N7VM 12,792 122 52 B
NS7K 9,576 129 38 B
WØYSE 2,948 67 22 B
KA7EII 1,728 36 24 B
K7RJ 1,200 31 20 B
WJ7L 200 10 10 B
KB7NZG 702 27 13 C

Western Washington
KX7L 380 20 10 A
W7LD 28,188 257 54 B
K7UIR 14,868 174 42 B
NØAX 9,432 123 36 B
K7II 3,072 64 24 B
WB7FJG 1,938 51 19 B
AB7RW 1,700 50 17 B
W7DPW 1,680 41 21 B
N7XY 1,200 40 15 B
W7GTO 902 41 11 B
W7RM (KI7Y, op)
95,037 554 79 C
K7FL 26,598 213 62 C
N7LOX 24,648 237 52 C
N7ETC 21,522 211 51 C
K7DZ 18,179 167 53 C
NØKV 17,784 174 52 C
W7RG 17,296 179 46 C
W7MCU 6,493 76 43 C
KB7N 6,438 112 29 C
W7TSQ 1,628 37 22 C
N7KE (W7QC, KB7N, AC2K, K7SZL, NW7DX, ops)
97,014 591 74 D
W7TCP (W7NTF, WA7IVO, W7LKG, W7DO, ops)
47,168 349 67 D

Wyoming
K7EY 46,506 333 69 B
W7CA 9,894 144 34 C

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Michigan
W4FMS 31,819 344 47 A
KC8LTL 8 2 2 A
N8MR 59,410 455 65 B
K8VT 39,556 313 62 B
K8SIA 38,995 362 55 B
NE8O 37,191 382 49 B
NU8Z 15,666 187 42 B
K8IR 15,222 177 43 B
K8VF 14,940 163 45 B
K8GVK 13,950 154 45 B
N8IA 12,138 144 42 B
W8ROS 7,462 91 41 B
N8VEN 7,437 101 37 B
N8EN 6,766 100 34 B
NX8C 4,096 65 32 B
N8UZE 2,700 56 27 B
KC8OBH 1,628 41 22 B
W8MJ 185,339 1106 83 C
K8MV 153,813 973 79 C
ND5S 112,164 710 78 C
W8RU 51,220 390 65 C
K8GL 49,350 342 70 C
K8MJZ 20,654 226 46 C
K8XXX (K8KS, K8AQM, N8CC, NU8Z, W8MC, ops)
267,200 1288 100 D
N8EA (+K8LV)
126,034 756 82 D
K8CC (+packet)
108,864 660 81 D
KT8X (+packet)
23,532 214 53 D

Ohio
N8VW 69,370 490 70 A
W8VK 49,471 409 61 A
K4WTF 30,919 334 49 A
WB8RTJ
30,294 304 51 A
W8DD 13,040 164 40 A
NO8C 6,138 100 31 A
KC8NIU 336 17 12 A
K8FH 107,870 769 70 B
AD8P 65,160 447 72 B
W8IQ 49,764 424 58 B
K8MR 40,474 343 59 B
N8BJQ 37,236 313 58 B
N8ET 35,844 308 58 B
K8GU 33,264 348 48 B
K8NVR 25,051 269 47 B
W8IDM 18,662 217 43 B
W8XY 13,104 156 42 B
K8AB 12,848 148 44 B
W8PN 8,880 122 37 B
N8OH 8,172 113 36 B
N8XE 7,667 96 41 B
KV8Q 6,336 97 33 B
W8TK 5,504 86 32 B
K8BL 4,544 71 32 B
AF8C 448 18 14 B
W8QID 181,026 998 89 C
W8FT (AD8P, op)
86,346 548 78 C
W8CAR 70,848 546 64 C
N8AA 42,240 348 60 C
WZ8D 39,232 310 64 C
K8ND 23,485 207 55 C
W8GN 12,464 161 38 C
W8MHW 10,669 106 47 C
N8XP 10,374 145 39 C

N8TR (+packet)
49,530 300 78 D
N8KM (+packet)
16,954 171 49 D
W8FAX (+packet)
14,858 154 46 D

West Virginia

K8OWL 10,032 132 38 A
K3JT 70,560 499 70 B
N4ZR 32,424 286 56 B
N8II 89,110 629 70 C
K2UOP 69,875 527 65 C
W8ZA 21,465 200 53 C
WA8WV 19,080 210 45 C
K8OQL (+packet)
11,152 135 41 D

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Illinois

NN9K 29,680 285 53 A
KX9DX 16,984 199 44 A
K9JU 6,936 105 34 A
WB9MII 224 16 7 A
WX9U 130,284 837 77 B
KF9D 99,086 668 74 B
N9JF 91,553 586 77 B
K9BGL 88,312 572 76 B
K9PG (@K9XD)
41,634 386 54 B
K9WA 36,850 270 67 B
K9CC 32,864 318 52 B
N9TF 32,116 255 62 B
K9ZO 29,854 258 59 B
K9CW 29,512 263 56 B
K9IJ 23,972 232 52 B
W3HDH 22,385 201 55 B
K9LW 19,320 207 46 B
KO2R 18,718 198 49 B
WA9AQN
18,330 193 47 B
K9MOT (K9PW, op)
17,630 215 41 B
W9RM 14,331 133 51 B
K9JE 14,276 166 43 B
K9SB 13,005 131 51 B
W9YS 12,600 139 45 B
NV8V 12,236 136 46 B
K9OZ 10,728 153 36 B
KK9DX 9,020 111 41 B
W9QFV 7,448 98 38 B
AA9NF 5,184 81 32 B
WB9AYW 2,150 48 25 B
WA9LKZ 1,638 43 21 B
N9XR 1,326 42 17 B
W9SE 1,056 33 16 B
N9UM 576 25 12 B
N9YZS 176 12 8 B
K9AA (K9PG, op)
154 11 7 B
N9DT 144 12 6 B
W9SMC 24 4 3 B
K9DX 314,172 1387 108 C
WO9S 67,603 506 67 C
N2BJ 48,192 376 64 C
AC9S 25,190 227 55 C
K9AB 14,210 142 49 C
N9GH 12,814 149 43 C
KG9N 6,142 85 37 C
WB9Z (+K9NR, K9CS, AK9F, K9FO)
299,985 1374 105 D
KG9X (+packet)
63,765 492 65 D
KI9A 37,392 327 57 D
W9LYN (+packet)
12,474 111 54 D
KM9M (+packet)
5,032 74 34 D
N9IO (+packet)
1,440 39 20 D

Indiana

KB9ZUV 546 23 13 A
WB9CIF
120,238 756 79 B
K9BG 110,732 721 76 B
K9WJU (W9CG, op)
98,250 648 75 B
KJ9C 73,128 549 66 B
WT9U 54,040 483 56 B
K9WWT 53,454 457 59 B
K9MI 16,482 205 41 B
KA9F 10,458 131 42 B
N4TZ 7,372 97 38 B
K9WX 5,278 92 29 B
K9SG 3,131 49 31 B
K9IG 1,800 50 18 B
K9CUN 870 29 15 B
K9NW 208,620 1131 90 C
N9RV 197,997 1031 93 C
W9RE 174,984 928 92 C
W9IU 120,460 799 76 C
W9SN 36,240 302 60 C
K9GX 11,086 124 46 C
KC9OP 5,456 89 31 C
K9IZ (KE9I, AJ9C, ops)
238,832 1277 92 D

Wisconsin

N9NE 26,850 270 50 A
NI9C 2,400 49 25 A
KO9A (@WE9V)
143,701 901 79 B
WA1UJU
83,358 628 66 B
K9DAF 72,720 504 72 B
W9LO 30,050 304 50 B
W9OA 26,622 222 58 B
N9CIQ 20,300 201 50 B
W9WUU 6,878 96 38 B
KB9S 1,248 39 16 B
WA9IRV
163,782 1000 81 C
K9AY 129,795 751 85 C
N9CK 110,925 729 75 C
WT9Q 110,547 782 71 C
N9FH 91,728 637 72 C
K9MA 36,790 279 65 C
WA9TZE
35,466 257 69 C
K9TY 5,082 80 33 C
WØAIH (+NØAT, KØTG)
210,672 1190 88 D
NE9U (+packet)
36,120 300 60 D

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Colorado

WUØL 8,680 128 35 A
KIØII 7,070 109 35 A
WØETT 39,666 298 66 B
K7TD 28,356 211 68 B
KØCO 2,300 51 23 B
K8FC 136,332 812 84 C
KØUK 23,142 204 58 C
KVØQ (+KTØF, NØNR)
210,056 1113 88 D
KØSX (+KJØG)
92,554 602 77 D

Iowa

WBØB 2,600 52 25 A
WTØD 45,936 400 58 B
WØNFL 35,428 253 68 B
KBØSK 13,440 171 42 B
KEØFT 8,988 108 42 B
KØTVD 5,890 78 38 B
NØDY 154,693 1006 77 C
KØSRL 28,280 248 56 C
KØIO 17,700 144 59 C
NØNI (+NØAC)
226,530 1248 90 D
N2AWE (+KEØFT, KG9IE)
49,166 398 62 D

Kansas

AAØMZ 47,771 353 67 B
KØPY 41,788 340 62 B
NØAG 23,484 212 57 B
KØRY 18,050 178 50 B
KØVBU 17,199 175 49 B
KØBJ 12,773 116 53 B
AAØFO 8,512 114 38 B
KØTRL 7,854 116 34 B
WØUY 68,154 460 74 C
KGØUA 28,768 243 58 C

Minnesota

WØSEI 23,100 238 50 A
NØUR 10,948 161 34 A
WØQF 2,800 54 28 A
WBØTRA 870 32 15 A
WØRK 150 15 5 A
NØFP 104,720 678 77 B
NØIM 103,896 660 78 B
KØTT 81,396 538 76 B
WRØDK 69,864 495 71 B
ACØW 59,928 453 66 B
KEØUI 59,280 457 65 B
WA2MNO
58,940 423 70 B
WØUC 54,264 396 68 B
KØCAT (K9WIE, op)
39,614 342 58 B
KSØT 34,645 264 65 B
WØZQ 34,344 328 53 B
KØXH 32,880 275 60 B
KØAD 32,391 274 59 B
WØPI 30,744 250 61 B
WØIZ 28,158 250 57 B
ACØX 23,426 219 53 B
KØQC 19,239 177 53 B
AAØAW 13,500 151 45 B
KØSQ 13,201 156 43 B
KØMPH 9,576 132 38 B
KCØW 7,600 100 38 B
WØAMT 7,600 103 38 B
WGØM 7,006 120 31 B
WA2HFI 1,710 45 19 B
WØVC 1,116 33 18 B
KØSV 660 22 15 B
KØOB 576 36 8 B
NØXB 137,538 851 81 C
KØIR 108,452 712 76 C
NØIJ 85,956 561 76 C
WØOR 72,036 526 69 C
WØHW 61,608 450 68 C
WØBV 53,480 374 70 C
K4IU 25,064 242 52 C
KØSR 19,170 210 45 C
KØHB 9,440 120 40 C
KFØGV 988 27 19 C
WØGJ (+N5IN)
161,422 932 86 D
KØKX (+packet)
153,090 834 90 D
KTØR (+KCØW)
68,746 461 74 D
NØHJZ (+packet)
41,663 340 61 D
WAØRBW (+WØDC)
40,238 346 59 D
KA9ALC (+packet)
34,368 266 64 D
KØJA (+KØJE)
28,536 253 58 D

Missouri

WØCH 20,748 198 52 A
N8AU 5,740 91 35 A
NØPB 33,670 258 65 B
WØWG 23,722 218 58 B
KI7WO 9,614 129 38 B
WBØQLU 7,980 114 35 B
NWØL 5,890 97 31 B
NØUF 18 3 3 B
AE9B 170,796 982 86 C
NØTT 157,120 980 80 C
KU1CW
138,915 850 81 C
KGØUS
118,712 782 76 C
KØJPL 96,320 600 80 C
KØLW 32,175 244 65 C
KØLIR (WØSLW, NØIS, WØHBH, WAØIYY, ops)
117,225 789 75 D

North Dakota

AGØT 6,930 105 33 A
N7IV 8,580 113 39 B
NØUD (WBØOAJ, op)
6,468 104 33 B
KØVX 3,782 61 31 B

Nebraska

W7DRA 34,038 287 61 B
WTØA (+KE5RX)
52,688 355 74 D

South Dakota

WØRSP 23,161 214 53 A
K7RE 94,402 606 77 B
KDØS (+KCØOCH, WDØT)
38,148 275 68 D

Canada

Maritime-Newfoundland

VE9WH 4,587 69 33 B
VY2ZM (K1ZM, op)
639,744 1592 136 C
VE1ZJ 92,820 438 84 C

Newfoundland-Labrador

VO1NA 2,825 52 25 A
VO1HP 51,198 270 69 C
VO1TA 42,050 236 58 C

Quebec

VE2AWR
17,220 211 41 B
VE2OWL 736 23 16 B
VE2RA 57,660 468 60 C
VE2OJ (VE3EDR, VE3FFK, VE3NJ, VE3OP, ops)
137,280 853 80 D

Ontario

VY2MGY
14,720 190 40 A
VE3WZ 11,088 155 36 A
VE3FAL 4,140 69 30 A
VE3OIL 3,600 76 25 A
VE3CSK
101,790 649 78 B
VE3XAX
86,407 603 71 B
VE3NE 85,157 629 67 B
VE3KP 77,066 619 62 B
VE3OSZ
72,628 537 67 B
VA3KA 48,546 384 62 B
VE3BUC
24,380 267 46 B
VE3AGC
23,184 246 48 B
VE3UZ 21,511 220 49 B
VE3GLO
21,312 229 48 B
VE3RER
20,424 222 46 B
VE3CR 17,424 197 44 B
VA3IX 15,570 173 45 B
VE3BNO
15,006 186 41 B
VE3EJ 278,850 1181 110 C
VE3PN 150,150 788 91 C
VE3DO 148,092 894 82 C
VE3QAA
140,086 765 89 C
VE3KZ 101,563 654 77 C
VA3DX 25,864 211 61 C

Manitoba

VE4YU 672 23 16 B

Saskatchewan

VE5SF 11,295 127 45 B
VA5DX 83,545 541 77 C
VE5CPU 780 26 15 C

Alberta

VE6BF 2,100 42 25 B
VE6TN 2,080 52 20 B
VE6JY 1,428 35 21 C
VE6SW 144 9 8 C

British Columbia

VA7MM 630 35 9 A
VE7SL 36,584 264 68 B
VE7VV 36,966 274 61 C
VE7ZBK 14,085 159 45 C
VE7JKZ 12,600 172 36 C