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Contest Branch Manager

2000 ARRL 160-Meter Contest Results

In the fall of the year, it is hard not to notice the migration of birds. You may experience the gaggle of Canada geese flying south with their perfect V formation. Some will be engulfed by flocks of starlings or sparrows, perhaps reminiscent of the old Hitchcock thriller *The Birds*. Perhaps you will witness a pair of eagles soaring to their winter habitats from the summertime nests in the mountains.

In many ways hams go through the experience of migration. When we first get our HF licenses, we nest on the DX or public service frequencies. As seasons and interests change, we begin to migrate to new spectrum as we seek new thrills and challenges. Some will move to higher frequencies, perhaps developing skills in EME or VHF contacts. Others will migrate to lower frequencies, being called by the intrigue of what is referred to as the "Top Band"—160 meters.

It is this special species of Top Banders that come out in force the first full weekend of December annually to participate in the ARRL 160-Meter Contest. Any Top Band enthusiast knows the challenges of playing in the 1.8 MHz spectrum. Space and size become issues (a half-wave dipole cut for the low end of the band will run almost 260 feet in length for example). A quarter-wave vertical will run about 130 feet tall. A radial field of just 20 quarter-wave elements requires over 1/2 mile of wire. If one is trying to identify the best operators who tackle the toughest challenges, they just need to look and see who has migrated to this contest.

In 2000, a total of 690 logs were received, representing a total of 762 participants. This is a 14% increase from the number of logs received last year and a total of over 165,000 completed QSOs reported. When you look at the QTHs of the Top Ten boxes, you will find that 23 ARRL sections and one DX entity (VP5) are listed. Illinois and Ohio each placed 5 stations in the boxes. Virginia followed with 4 stations, then North Carolina with 3. Top Ten finishes came from 9 of the 10 US call areas. It seems the migration patterns are diverse when you're looking for Top Band guys.

Leading the way in the Single Operator High Power category was Bill, W4AN, who found his way to W8JI's station as a guest op. Bill's score of 394,485 from Georgia easily outdistanced second place finisher Jon, AA1K, from Delaware and Bob, W4MYA, in Virginia. Bill's score was the only new Division record (Southeastern) set in any of the four contest categories.

Ron, W4WA, operating at his Georgia QTH, claimed top honors in the Single Operator Low Power category with a score of 151,956. Jim, N9JF, held his own from Illinois to finish as runner-up in the category, followed by Fred, K8FH, who finished third from his Ohio QTH. Douglass, WØAH, finished a close fourth, only 411 points behind.

Heading up the pack in the Single Operator QRP category was Richard, WK3I, with a score of 68,103 from Maryland. Finishing hot on his heels were Roger, KA9EKJ, operating in Alabama and Dick, W8VK, from home in Ohio. Dick narrowly edged out Charlie, NØTT, by a mere 20 points in the final analysis.

Multioperator entries are especially appropriate because not only do they migrate to the band, they migrate in flocks! The K9NR flock took roost at WB9Z's and posted the winning entry in the Multioperator category with a score of 215,520. Settling in on their tail feathers were the ops at K8ND, falling only 2,178 points off the winning pace. N8CC's shack was the QTH for the K8XXX third place effort. Congratulations to all of the top finishers.

The Society of Midwest Contesters continued their resurgence as a top club by taking top honors in the Unlimited Category in the Affiliated Club Competition, beating the Potomac Valley Radio Club by half a million points. The Medium Category was won by the Frankford Radio Club, which edged out the Mad River Radio Club by a score of 787,440 to 716,929. The Hudson Valley Contesters and DXers took top honors in the Local Category over the River City Contesters by a score of 180,180 to 111,841.

Top Ten

Single Operator, QRP

WK3I	68,103
KA9EKJ	56,666
W8VK	55,448
NØTT	55,428
W4TMR	50,008
WA8RCN	34,397
W3TS	34,028
N4ROA	31,631
N9UC (WO9S,op)	29,939
N7IR	27,183

Single Operator, Low Power

W4WA	151,956
N9JF	125,780
K8FH	106,536
WØAH	106,125
N2NFG	100,533
WØUO	93,758
K4OAQ	93,665
K1PX	93,184
W2LC	88,968
WX9U	84,607

Single Operator, High Power

W8JI (W4AN,op)	394,485
AA1K	247,248
W4MYA	243,612
K5NA	218,644
K5GO	212,420
K9DX	207,955
KE9I	207,281
N4AF	170,798
K7CA	170,343
WD5R (N5ECT,op)	165,968

Multioperator

K9NR (@WB9Z)	215,520
K8ND	213,342
K8XXX (@N8CC)	200,728
W5TM	199,916
NØNI	181,305
K5NZ	156,400
VP5K	141,450
K4IQ	129,808
W8VE (@K8DX)	127,366
N5FG	114,720

Affiliated Club Competition

	Score	*Entries*
Unlimited Category		
Society of Midwest Contesters	2,798,977	74
Potomac Valley Radio Club	2,297,845	51
Medium Category		
Frankford Radio Club	787,440	16
Mad River Radio Club	716,929	13
Yankee Clipper Contest Club	513,365	21
Tennessee Contest Group	503,631	12
Ozark Contest Club	378,208	4
South East Contest Club	372,687	8
Rochester (NY) DX Assn	369,622	7
North Texas Contest Club	358,336	7
North Coast Contesters	353,450	8
Central Texas DX and Contest	309,203	7
Minnesota Wireless Assn	283,882	13
Oklahoma DX Assn	278,026	3
Northern California Contest Club	211,619	14
Willamette Valley DX Club	186,840	5
Southern California Contest Club	178,182	8
Florida Contest Group	170,322	7
Kentucky Contest Group	127,710	3
Carolina DX Assn	111,664	4
Western Washington DX Club	47,030	3
Bay Area Wireless Assn	31,996	3
West Park Radiops	29,328	4
Bergen ARA	20,263	3
Local Category		
Hudson Valley Contesters and DXers	180,180	5
River City Contesters	111,841	3
Redmond Top Key Contest Club	73,136	5

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

WK3I	68,103	A
W3TS	34,028	A
K3TEJ	18,690	A
N1RL	13,454	A
WA2QKF	10,710	A
K1PX	93,184	B
W2LC	88,968	B
KB1EAX	71,862	B
K2CDJ	67,413	B
K1NK	57,288	B
AA1K	247,248	C
K2AXX	159,715	C
W3GH	91,725	C
K1VW	91,701	C
K3SV	83,265	C
K2UG	109,277	D
K3WW	103,884	D
W3UR	93,525	D
K1JT	61,047	D
W2XL	54,208	D

Southeast Region
(Delta, Roanoke and Southeastern Divisions)

KA9EKJ	56,666	A
W4TMR	50,008	A
N4ROA	31,631	A
KV8S	16,000	A
W4DEC	14,835	A
W4WA	151,956	B
N2NFG	100,533	B
K4OAQ	93,665	B
K1KY	76,104	B
K4CNW	71,412	B
W8JI (W4AN,op)	394,485	C
W4MYA	243,612	C
K5GO	212,420	C
N4AF	170,798	C
WD5R (N5ECT,op)	165,968	C
K4IQ	129,808	D
N5FG	114,720	D
N4BP	87,932	D
K4HA	76,245	D
K3KO	75,208	D

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

W8VK	55,448	A
WA8RCN	34,397	A
N9UC (WO9S,op)	29,939	A
N9SE	23,103	A
K8CV	5,824	A
N9JF	125,780	B
K8FH	106,536	B
WX9U	84,607	B
K9LU	80,065	B
K9WJU (W9CG,op)	79,380	B
K9DX	207,955	C
KE9I	207,281	C
K8JP	151,285	C
WT9Q	111,948	C
K4AO	109,719	C
K9NR (@WB9Z)	215,520	D
K8ND	213,342	D
K8XXX (@N8CC)	200,728	D
W8VE (@K8DX)	127,366	D
WØAIH	60,720	D

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

NØTT	55,428	A
NØJK	26,523	A
KØFRP	15,453	A
KD7AEE	11,395	A
W3FAF	10,865	A
WØAH	106,125	B
WØUO	93,758	B
NØSM	65,208	B
KØRWL	61,690	B
NØOQW	53,676	B
K5NA	218,644	C
K7CA	170,343	C
K5RX	161,962	C
KØRF	154,190	C
W6PU	76,368	C
W5TM	199,916	D
NØNI	181,305	D
K5NZ	156,400	D
W7CW	85,702	D
K5ZO	74,834	D

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

N7IR	27,183	A
N6LL	8,772	A
K6EI	7,700	A
KB6FPW	7,590	A
K7TQ	7,552	A
KI7Y	55,575	B
N6NF	48,007	B
AC7A	34,709	B
N6BM	31,122	B
WO7Y	27,391	B
N7GP (N5IA,op)	99,461	C
N6RO	88,264	C
K6AM	87,600	C
KH6ND (@KH7R)	72,870	C
K6SE	62,977	C
W6AW	45,522	D
K6NO	22,513	D
N7KE	22,032	D
N5BF	4,117	D

A total of 311 entrants participated in the Affiliated Club Competition. The top tier clubs will tell you the key to their success is simple: if you get the participants out, your club standings will improve.

The 2001 ARRL 160-Meter contest will be held December 7-9 (always the first full weekend in December). You may migrate to warmer climates or to a better station. Perhaps you simply erect new antennas and migrate your radio to the Top Band. Either way, we bet you won't be unhappy that you extended your operating horizons to include the "gentleman's band" known as 160 Meters.

Scores

Scores are listed by DXCC Entities and ARRL/RAC Sections. Within each Entity or Section, scores are listed Single Operators 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).

Asia

Japan

JH4UYB	2	1	1	A
JE1SPY	50	5	5	B
JH8KYU	32	4	4	B
JE3UHV	2	1	1	B
JAØQNJ	680	20	17	C
JA2ZJW	468	18	13	C
JI1NJC	126	9	7	C
JN1BMX	72	6	6	C
JHØZHQ (JH1BBT,JH1GNU,JH1MDJ, JR1IJV,JF1DMQ,JJ1VKL,JK1GKG, JAØVSH,JGØPBJ,ops)	1,848	42	22	D

Asiatic Russia

RAØLQ/MM	40	5	4	B

Europe

Fed. Rep. of Germany

DF2PY	1,680	35	24	C

Belarus

EU6EU	2	1	1	B

Hungary

HA5JI	384	16	12	C

Bulgaria

LZ3AB	2	1	1	C

Finland

OH3GD	2	1	1	B

Slovakia

OMØWR	1,440	36	20	C

Netherlands

PA3AAV	96	8	6	B

Bosnia-Herzegovina

T9ØU	2	1	1	A
T99W	12	3	2	B

European Russia

RN6BN	360	18	10	C

North America

Martinique

FM5GU	52,416	416	63	C

Antigua & Barbuda

V26JT	52,460	430	61	B

Turks & Caicos Islands

VP5K (AA5B, K9RS,op)	141,450	943	75	D

South America

Aruba

P4ØRB (W9RB,op)	5,610	85	33	C

Venezuela

YV7QP	1,728	36	24	B

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Connecticut

NM1K	1,800	45	20	A
K1PX	93,184	722	64	B
NX1Q	8,942	130	34	B
K1RO	8,704	136	32	B
W1CTN	7,888	116	34	B
K1BTD	5,724	100	27	B
WA1LJD	5,184	96	27	B
K1VW	91,701	648	69	C
K1YR	34,650	312	55	C
W1WEF	18,810	206	45	C
W1AW (N4QX,op)	13,846	158	43	C
N4XR	10,716	111	47	C
NT1N	8,702	113	38	C
N1MD	10,800	147	36	D

Eastern Massachusetts

WG1Z	2,520	60	21	A
AD1B	2,300	50	23	A
K1DC	22,815	249	45	B
W1VIV	21,920	271	40	B
N1DM	18,080	223	40	B
K1NTR	17,960	226	40	B
W1TW	8,415	126	33	B
K1GU	3,872	88	22	B
K1NU	3,393	57	29	B
WO1N	2,184	52	21	B
W1MMM	768	24	16	B
K5MA	30,264	285	52	C
K1VK	14,238	168	42	C
K2LP	8,645	119	35	C

Maine

W1CEK	32	4	4	A
N1CGP	9,536	149	32	B
K1FK	25,500	247	51	C
K1PQS	15,762	213	37	C
AC1O	9,250	125	37	C

New Hampshire

AA1SB	1,406	37	19	A
KB1EAX	71,862	600	59	B
W1DAD	4,992	96	26	B
KØTV (+WO1N)	47,245	422	55	D

Rhode Island

K2MN	10,395	147	35	B
KS1J	66,410	565	58	C
K1DFT	22,275	243	45	C
W1OP(K1DT,K1JNJ,W1GS,W1IUX,ops)	34,560	314	54	D

Vermont

AA1SU	24,396	318	38	B
W1SJ	60,170	541	55	C

Western Massachusetts

N1RL	13,454	217	31	A
W1TO	38,555	346	55	C
K5ZD	34,140	280	60	C

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Eastern New York

N2IX	2,068	47	22	A
KG2H	1,716	39	22	A
K2UF	25,714	296	43	B
W2ENY	8,715	123	35	B
WB2PUH	2,332	53	22	B
KB2HZI	672	24	14	B
N1EU	51,425	463	55	C
W2FCA	12,144	126	46	C
W2RE	7,308	97	36	C
K2UG (KY2J, WA2JQK, ops)	109,277	805	67	D
W2XL (+ N2SA)	54,208	475	56	D

NYC-Long Island

NY6DX	1,036	37	14	A
W2JGQ	8,532	117	36	B
KA2D	3,822	72	26	B
K2OVS	1,700	50	17	B
WB2DLA	768	24	16	B
WA2YOW	468	18	13	B
K2QMF	10,115	140	35	C

Northern New Jersey

W2JEK	5,562	103	27	A
K2JT	2,596	59	22	A
K1NK	57,288	507	56	B
N2CG	4,020	67	30	B
W2CVW	2,883	45	31	B
N2ED	77,056	590	64	C
NO2R	67,512	573	58	C
W2NO	21,120	220	48	C
W2ZK	17,420	163	52	C
NA2AA	12,105	133	45	C
W2LE	9,360	114	40	C
N2LK	2,860	65	22	C

Northern New York

W2IB (+N4TW)	29,205	323	45	D

Southern New Jersey

WØMHK/2	7,080	118	30	A
W5KI	21,150	222	47	B
AA2WN	10,783	130	41	B
W2YC	31,680	282	55	C
NQ3N	20,650	202	50	C
K1JT (+K2PT)	61,047	531	57	D

Western New York

WA2QKF	10,710	153	35	A
W2RBA	2,000	50	20	A
W2LC	88,968	662	66	B
K2CDJ	67,413	481	69	B
K8FC	49,830	447	55	B
N2CU	49,131	462	53	B
W2TX	15,006	180	41	B
K2YW	7,067	94	37	B
N2UM	3,380	65	26	B
N2MG	418	19	11	B
K2AXX	159,715	917	85	C
K2ZR	31,728	329	48	C
N2WK	19,604	184	52	C
K2OS	19,600	193	50	C
K2UA	6,107	97	31	C
W2RW (+WB2KAO, WB2HJV, K9EEE)	42,018	444	47	D

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Delaware

N8NA	35,412	336	52	B
NY3C	7,452	102	36	B
AA1K	247,248	1167	10	C
W3PP	7,904	101	38	C

Eastern Pennsylvania

W3TS	34,028	362	47	A
K3TEJ	18,690	221	42	A
W3EHZ	16,968	199	42	B
WA3IIA	12,355	175	35	B
N3RM	3,600	60	30	B
W8IJ	140	10	7	B
K3SV	83,265	669	61	C
W3BGN	79,632	617	63	C
K3QIA	40,122	367	54	C
N3FA	31,185	342	45	C
AA3B	20,196	228	44	C
W3AP	14,832	153	48	C
K3WW	103,884	772	66	D
W3FV	47,641	383	61	D
KS3F	33,100	325	50	D
K3NZ	16,054	173	46	D
W3MF	14,300	161	44	D

Maryland-DC

WK3I	68,103	531	63	A
NG3K	6,300	105	30	A
AI3M	39,042	357	54	B
W2GG	31,850	314	50	B
W3CP	30,350	299	50	B
AD3F	18,500	179	50	B
K3DSP	9,452	139	34	B
W3DF	7,289	97	37	B
N3WK	3,640	70	26	B
W3OU	2,622	57	23	B
N3TJ	2,494	43	29	B
N3FX	2,352	56	21	B
AC3P	810	54	15	B
W3GN	80,703	633	63	C
N3HUV	38,563	388	49	C
K3DI	29,848	284	52	C
W3ERU	27,495	288	47	C
N3UM	27,196	260	52	C
N3OC	25,596	234	54	C
AK3Z	24,390	268	45	C
W3HVQ	22,631	209	53	C
N3SB	11,070	132	41	C
N3UN	11,029	133	41	C
N3OA	8,280	102	40	C
4U1WB (AJ3M,op)	780	26	15	C
W3UR	93,525	604	75	D

Western Pennsylvania

AA3GM	6,148	106	29	A
AD8J	24,196	260	46	B
NA3V	24,192	249	48	B
NB4J	14,250	138	50	B
N3UE	8,362	113	37	B
N3GJ	1,140	30	19	B
WA3GQU	72	6	6	B
W3GH	91,725	604	75	C
K3HX	42,282	390	54	C
W3SO (K4VV, op)	41,610	359	57	C

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Alabama

KA9EKJ	56,666	484	58	A
W4DEC	14,835	171	43	A
K4KIP	6,300	90	35	A
AF4OD	29,450	293	50	B
K4IQJ	13,201	152	43	B
K4WI	10,277	115	43	B
KC4HCH	10,038	118	42	B
N4AX	2,880	60	24	B
W4NTI	15,717	200	39	C
KC3QU	12,505	151	41	C
KS4YT (+KV4T)	25,854	201	62	D

Georgia

W4WA	151,956	926	81	B
K9AY	55,556	404	68	B
N4DU	29,755	266	55	B
N4WD	21,892	206	52	B
W4ATL	17,178	203	42	B
NJ8J	1,273	32	19	B
W8JI (W4AN,op)	394,485	1434	11	C
K4BAI	55,388	448	61	C

Kentucky

KM4FO	46,400	396	58	B
AA2GS	22,790	215	53	B
K4FDK	19,642	212	46	B
K4WW	7,761	98	39	B
K4AO	109,719	744	73	C
N4GN	58,520	409	70	C

North Carolina

W4TMR	50,008	445	56	A
N2NFG	100,533	721	69	B
WJ9B	68,355	541	63	B
KE4QZB	4,920	82	30	B
WX4DX	4,710	74	30	B
W4WS (N4VHK,op)	4,650	79	30	B
N4AF	170,798	853	94	C
W4MR (AA4NC,op)	93,312	639	72	C

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N4CW	65,453	532	61	C
K4MA	41,470	347	58	C
N4UH	17,934	177	49	C
N4TL	4,830	69	35	C
K4HA (+K4MA)	76,245	545	69	D
K3KO	75,208	544	68	D

Northern Florida

KQ4YY	750	25	15	A
W4AA	47,104	362	64	B
K9RB	39,060	321	60	B
K4LDR	24,100	238	50	B
NO4S	21,573	225	47	B
WB4IHI	16,826	176	47	B
WS4Y	67,452	456	73	C
N4EK	16,695	181	45	C
W3TMZ	13,846	158	43	C

Puerto Rico

NP3G	8,610	99	41	B

South Carolina

K4CNW	71,412	535	66	B
K4DLJ	9,512	104	41	B
AA4V	55,074	405	67	D

Southern Florida

K4CXX	4,795	67	35	B
K4FS	1,575	36	21	B
K4RFK	264	12	11	B
N8PR	28,670	226	61	C
W4OV	13,488	133	48	C
N4BP (+W4FMS)	87,932	556	76	D

Tennessee

KW4JS	5,536	85	32	A
W4TDB	900	25	18	A
K1KY	76,104	524	72	B
WO4O	41,044	328	62	B
W4DAN	34,349	349	49	B
NA4K	18,612	210	44	B
W4HZD	16,506	195	42	B
K4AMC	13,902	164	42	B
W4YGE	12,096	144	42	B
WB3JKQ	7,733	106	37	B
WA4AA	7,440	90	40	B
K4BP	3,304	59	28	B
KØEJ	153,636	895	84	C
N4IR	97,878	731	66	C
W9WI	82,455	593	69	C
AA4NU	44,756	331	67	C
N4ZZ	38,918	316	61	C
N4KN	13,494	173	39	C
W4OGG	5,487	87	31	C
N4VV	61,880	470	65	D

Virginia

N4ROA	31,631	335	47	A
K4OAQ	93,665	713	65	B
K4ORD	35,700	293	60	B
K3MT	31,217	290	53	B
WA4QDM	18,576	216	43	B
W4SNH	16,652	181	46	B
K4UK	13,818	163	42	B
W4VG	12,880	161	40	B
W4VC	10,255	145	35	B
WM3T	7,035	99	35	B
W4AU	5,916	100	29	B
K4MX	4,896	75	32	B
N3TG	4,554	66	33	B
K3MZ	3,942	73	27	B
W4HM	2,886	54	26	B
W4MYA	243,612	1158	10	C
W4NF	91,596	669	68	C
W4YE	72,640	563	64	C
N3JB	47,187	367	63	C
W4HJ	40,242	347	57	C
N4MM	38,367	297	63	C
K4ZW	26,775	258	51	C
NR4M	26,659	247	53	C
K1KO	9,963	120	41	C
K4IX	8,624	95	44	C
K4FOY	8,094	105	38	C
K4IQ	129,808	842	76	D
N4GU (+W4IQ)	40,590	366	55	D

Virgin Islands

KV4FZ	23,490	198	58	C

West Central Florida

K4FB	559	20	13	A
K4GKD	31,850	314	50	B
N4AO (WC4E,op)	21,870	195	54	C
K9HUY	8,968	112	38	C
W4JN	161	10	7	C

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Arkansas

KJ5WX	57,553	425	67	B
K5GO	212,420	1049	95	C
WD5R (N5ECT,op)	165,968	997	82	C
W5ON	83,835	601	69	C
W5HUQ	24,400	241	50	C

Louisiana

K1DW	25,740	231	55	B
W5WMU	73,201	511	71	C

Mississippi

N5FG (WQ5L, W5UE, ops)	114,720	702	80	D

New Mexico

W6PU	76,368	507	74	C
N5UL	75,701	508	73	C
N7DF	62,480	435	71	C
N6ZZ	47,124	336	68	C
K5AM	15,147	144	51	C

North Texas

WA8ZBT	10,602	138	38	A
WØUO	93,758	629	74	B
W5CWQ	42,746	313	67	B
K5WO	40,828	343	59	B
KE5C	13,395	141	47	B
KY5S	7,446	108	34	B
WK5K	5,673	90	31	B
K5RX	161,962	830	94	C
N5PO	72,000	494	72	C
N5RG	65,320	451	71	C
K5RA	35,255	316	55	C
W5GN	10,412	133	38	C
N5TY	7,511	100	37	C
K5ZO (+KK7JS)	74,834	521	71	D

Oklahoma

K5KA	8,282	98	41	B
K5HP	69,828	526	66	C
N5OT	60,620	427	70	C
WA5RAT (N5OT,op)	17,442	147	57	C
W5TM (+W5AO)	199,916	1064	92	D
KN5TTN (+K5QNM)	6,144	96	32	D

South Texas

AF5Z	14,696	164	44	B
W5TA	13,948	160	44	B
AJ4F	13,200	147	44	B
K5LJ	9,400	97	47	B
W5XD	7,449	94	39	B
K5EJL	4	2	1	B
K5NA	218,644	1067	94	C
N1LN	70,956	477	73	C
W5PR	42,042	314	66	C
K5TR	37,950	269	69	C
AC5AA	10,076	113	44	C
NA4M	6,993	90	37	C
K5NZ (+W5MJ,N5XJ,NX5M)	156,400	878	85	D
K5IUA (+WA5SNL, K5QLP, WD5KBY)	61,060	424	71	D

West Texas

W5ZO	14,985	165	45	B
NZ5M	270	15	9	B

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East Bay

N6WG	6,160	140	22	A
KE6QR	3,318	79	21	B
KK6F	2,414	71	17	B
N6RO	88,264	592	68	C
K6TS	10,108	133	38	C

Los Angeles

N6LL	8,772	129	34	A
KU6T	6,006	91	33	A
KØINT	11,098	179	31	B
N6OU	6,300	105	30	B
N6GL	5,564	107	26	B
K6RO	3,600	72	25	B
WA6BOB	696	29	12	B
K6SE	62,977	430	71	C
W6/KH6DX	56,490	390	70	C
W6YRA (WA6AYI, K6LDO, KU6T, ops)	15,717	201	39	C
K6LA	2,280	58	19	C
NB6I	468	18	13	C
N5BF	4,117	91	23	D

Orange

N6BM	31,122	267	57	B
K6NR	12,173	125	47	B
N6RT	3,312	69	24	B
W6MX	40,078	332	58	C
W6DF	39,798	291	67	C
N6PE	28,050	252	55	C
W6HG	17,888	208	43	C

Pacific

KH6/W7DRA	2	1	1	B
KH6ND (@KH7R)	72,870	453	70	C
KH6DX/M	58,940	406	70	C

Santa Barbara

W6WQC	6,120	102	30	B
W6JEO	3,000	75	20	B
W7CB	29,323	244	59	C

Santa Clara Valley

K6EI	7,700	154	25	A
KB6FPW	7,590	165	23	A
K6XX	3,108	74	21	A
K6III	840	35	12	A
N6NF	48,007	383	61	B
W6ISO	5,808	121	24	B
N6IV	3,500	70	25	B
N7FF	1,672	44	19	B
K2RDX	858	33	13	B
K6RB	20,202	239	42	C
WØYK	14,620	170	43	C
K6MO	11,440	143	40	C

San Diego

AK6R	1,050	35	15	A
W6JVA	6,400	100	32	B
K6AM	87,600	572	75	C
K6NY	23,140	221	52	C

San Francisco

N6ZFO	13,240	164	40	B
W8NF	528	22	12	B
K6CTA	12,321	165	37	C

San Joaquin Valley

K6MI	2,275	44	25	A
WA6YEE	25,676	259	49	B
N6BU	3,408	71	24	B
KI6PG	2,688	56	24	B
KA6BIM	30,785	323	47	C

Sacramento Valley

N6RK	20,930	226	46	B
K6LRN	6,664	119	28	B
W6RKC	1,518	33	23	B
K6SG	1,064	38	14	B
K6ME	20,553	200	51	C
K6TA	19,665	214	45	C
W6EU	15,211	184	41	C
W6IXP	11,084	163	34	C
W6AW	45,522	420	54	D
K6NO (+K6RC)	22,513	238	47	D

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Alaska

KL7FAP	72	6	6	B

Arizona

N7IR	27,183	265	51	A
W7LUX	3,996	54	37	A
AC7A	34,709	283	61	B
KJ7WY	23,210	211	55	B
N7GP (N5IA,op)	99,461	616	79	C
KC7V	58,940	400	70	C
K7ON	40,504	329	61	C

Eastern Washington

W9LT	19,608	228	43	B
W7MY	8,283	121	33	C
W7LGG	6,048	81	36	C
W7UB	6,045	96	31	C

Idaho

K7TQ	7,552	118	32	A
WO7Y	27,391	278	49	B
KA7T	16,560	171	48	B
KG7H	36,879	319	57	C

Montana

AB7CE	924	33	14	A
KE7NO	8,184	132	31	B
KK7UV	3,432	78	22	B
K7BG	17,061	183	47	C
KS7T	5,168	76	34	C

Nevada

N7PU	17,343	177	47	B
NW7O	7,350	102	35	B
K7NV	24,090	219	55	C

Oregon

W7/AH8DX	2,200	55	20	B
W7GG	59,500	424	68	C
K4XU	28,620	267	53	C
K7ZUM	14,250	186	38	C
KØJJ	4,710	77	30	C

Utah

KD7AEE	11,395	131	43	A
WA7LNW	6,160	140	22	A
N7XJ	5,340	89	30	A
WØYSE	1,044	29	18	A
W7UT	40,610	317	62	B
W7HS	18,650	185	50	B
K7CA	170,343	954	81	C
K8EI	18,584	202	46	C

Western Washington

W7LD	6,348	138	23	A
NW7DX	2,948	67	22	A
K7SY	2,890	85	17	A
W7/JR1NKN	10	5	1	A
KI7Y	55,575	408	65	B
N4SL	6,665	106	31	B
AB7RW	4,738	103	23	B
K7II	702	27	13	B
W7RM (KI7Y,op)	55,315	400	65	C
W7QC	42,056	368	56	C
K7QQ	36,244	344	52	C
N7ETC	7,722	117	33	C
K7UU	6,090	105	29	C
N7KE (KB7N, N7VMV, ops)	22,032	228	48	D

Wyoming

WC7S	5,376	84	32	B
W7CW (+ WU7Y, W7CA, WG7Y, N7VWV)	85,702	581	73	D

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Michigan

K8CV	5,824	104	28	A
NE8O	39,416	376	52	B
K8SIA	24,336	231	52	B
W8RU	23,712	225	52	B
K8GT	22,626	208	54	B
K8IR	12,892	145	44	B
W8WVU	3,276	57	28	B
WX3M	320	16	10	B
W8MJ	65,736	495	66	C
N8EA	55,503	436	63	C
ND5S	42,185	353	59	C
K8CC	37,526	319	58	C
KT8X	9,509	127	37	C
K8XXX (@N8CC) (N8CC,NU8Z,K8AQM, W8MJ,K8JM,K8KS,KG8CO,ops)	200,728	1121	88	D

Ohio

W8VK	55,448	475	58	A
WA8RCN	34,397	320	53	A
N8XA	4,488	68	33	A
K8FH	106,536	763	69	B
W8GN	35,620	338	52	B
KU8E	19,965	177	55	B
K8MR	18,676	200	46	B
K8AB	12,096	141	42	B
K8BL	12,054	144	41	B
W8DHG	11,950	115	50	B
ND8DX	11,172	130	42	B
K8KSN	10,234	119	43	B
W8IDM	9,972	137	36	B
W8GRP	6,384	114	28	B
N8WS	4,060	71	28	B
W8PN	3,224	52	31	B
AF8C	3,200	64	25	B
N8BJQ	82,218	570	71	C
K5ZG	38,114	317	59	C
N8TR	18,810	159	57	C
K8ND (+K1LT)	213,342	1111	93	D
W8VE (@K8DX) (+N8PW, K8DX)	127,366	703	86	D

West Virginia

KV8S	16,000	200	40	A
K8OWL	5,040	84	30	A
WA8WV	34,006	344	49	B
KG8GW	7,986	121	33	B
K2UOP	117,150	769	75	C

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Illinois

N9UC (WO9S,op)	29,939	317	47	A
N9JF	125,780	823	76	B
WX9U	84,607	575	73	B
K9LU	80,065	596	67	B
K9MMS	64,021	434	73	B
K9BGL	37,524	315	59	B
W9SMC (K9PG @ K9QVB)	26,784	276	48	B
K9ZO	25,410	231	55	B
K9CW	21,696	223	48	B
N9EP	21,115	256	41	B
N9CO	17,685	195	45	B
W9YS	16,500	186	44	B
K9SB	15,876	159	49	B
N9TF	13,284	120	54	B
N9TK	12,669	153	41	B
KB9CRY	12,556	143	43	B
KX9DX	11,920	149	40	B
W9RM	10,125	108	45	B
K9PPW	6,336	99	32	B
AA9D	5,070	83	30	B
WK9O	4,094	89	23	B
W9LYA	2,772	63	22	B
K9PG	1,904	56	17	B
W9EV	1,848	44	21	B
W9QFV	1,360	34	20	B
N9IO	1,152	33	16	B
N9IJ	1,056	33	16	B
AD4OS	132	11	6	B
K9DX	207,955	1060	95	C
KI9A	72,030	508	70	C
KG9X	64,804	472	68	C
W9OF	56,875	433	65	C
N2BJ	30,195	246	61	C
AE9D	22,034	238	46	C
KS9W	19,176	201	47	C
W9OA	13,545	149	45	C
KG9N	10,250	125	41	C
K9SD	9,176	124	37	C
NA9D	3,915	66	29	C
K9NR (@WB9Z) (+K9CS, AK9F,K9FO, WB9Z)	215,520	1091	96	D
K9HMB	35,535	244	69	D
K9MOT (K9PW, K9RR, ops)	24,682	287	43	D

Indiana

N9SE	23,103	225	51	A
K9WJU (W9CG,op)	79,380	561	70	B
WB9CIF	61,404	444	68	B
W9ELI (KJ9C, op)	50,866	434	58	B
K9AF	31,027	214	71	B
WT9U	28,968	281	51	B
W9BS	16,371	159	51	B
K9MI	13,674	156	43	B
N4TZ	13,566	157	42	B
K9IG	13,050	145	45	B
K9WX	7,392	112	33	B
KC9FC	6,180	103	30	B
WA0JTL	4,640	80	29	B
K9EA	288	12	12	B
K9BG	50	5	5	B
KE9I	207,281	1139	89	C
K8JP	151,285	944	79	C
W9RE	100,125	657	75	C
W9IU	84,070	599	70	C
NZ9R	20,623	253	41	C
K9VV	4,263	72	29	C

Wisconsin

AA9PB	2,688	56	24	A
AF9J	288	16	9	A
WA1UJU	33,250	331	50	B
K9DAF	29,008	256	56	B
KØSN	16,416	215	38	B
W9LO	15,222	177	43	B
W9WUU	6,480	108	30	B
WD9GWH	3,900	75	26	B
KB9KEG	2,392	46	26	B
N9XX	154	11	7	B
WT9Q	111,948	732	76	C
WA9IRV	72,080	527	68	C
N9CK	58,357	431	67	C
W9XT	44,415	351	63	C
WA9TZE	42,159	286	69	C
W9OP	39,150	333	58	C
N9AU	35,786	304	58	C
N9FH	33,488	296	56	C
K9MA	32,205	281	57	C
WE9V	12,593	124	49	C
WØAIH (KØTG,WØBV, ops)	60,720	454	66	D
WA9CWX (+packet)	26,468	250	52	D

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Colorado

KØFRP	15,453	150	51	A
WØAH	106,125	703	75	B
WØETT	32,574	267	61	B
KØUK	19,992	190	51	B
W9KV	3,186	59	27	B
WV7T	1,216	32	19	B
KØRF	154,190	889	85	C
WV7U	48,573	384	63	C

Iowa

NO9S	910	35	13	A
N2BTJ	504	21	12	A
NØSM	65,208	491	66	B
KBØSK	12,402	159	39	B
NØAAA	11,400	150	38	B
WBØB	4,640	80	29	B
KØSRL	15,796	178	44	C
NØNI (+NØAC)	181,305	1053	85	D
KEØFT (+ KG9IE)	22,860	254	45	D

Kansas

NØJK	26,523	206	63	A
KØRY	17,719	187	47	B
WØNXS	9,766	127	38	B
WØWPL	5,282	68	38	B
KØBJ	1,260	35	18	B
WØUY	59,094	438	67	C

Minnesota

W3FAF	10,865	131	41	A
WØSEI	8,645	122	35	A
NØUR	4,140	90	23	A
NØOQW	53,676	372	71	B
WØOPW	53,199	384	69	B
NØXB	42,185	356	59	B
NØAT	33,390	312	53	B
ACØW	32,890	296	55	B
WA2MNO	24,150	240	50	B
NAØN	20,445	216	47	B
WØZQ	20,205	223	45	B
KIØF	16,324	184	44	B
NØHJZ	12,950	185	35	B
KØAD	7,821	117	33	B
WØUC	6,913	110	31	B
KØCAT (K9WIE,op)	3,473	74	23	B
WBØBNX	2,553	54	23	B
WAØRBW	14,600	181	40	C

Missouri

NØTT	55,428	444	62	A
WDØFLJ	3,618	67	27	A
KØRWL	61,690	493	62	B
WØTY	16,027	168	47	B
NØAJ	4,060	70	29	B
WAØIYY	2,440	61	20	B
KØOU	21,736	206	52	C
AAØA	18,894	201	47	C
WØTT	10,062	117	43	C

North Dakota

KØVX	208	13	8	B

Nebraska

WNØL	1,890	45	21	B
KE5RX	22,412	214	52	C

Maritime-Newfoundland

VE1KB	4,140	69	30	B

Quebec

VE2AWR	4,480	80	28	B
VE2AQC (VE2AWR,op)	2,496	52	24	B
VE2OWL	126	9	7	B
VE2ZP	25,296	245	51	C
VA2CT	9,509	127	37	C
VE2OJ (VE3EDR, VE3FFK, VE3NJ, VE3OP,ops)	29,187	309	47	D

Ontario

VY2MGY/3	4,914	91	27	A
VE3BUC	2,814	67	21	A
VE3CSK	42,060	346	60	B
VE3OSZ	31,314	304	51	B
VE3STT	21,472	241	44	B
VE3KP	18,748	215	43	B
VE3UZ	10,491	133	39	B
VE3ZT	9,760	122	40	B
VE3WZ	9,112	134	34	B
VE3BNO	7,755	114	33	B
VA3IX	7,095	106	33	B
VA3UA	6,583	112	29	B
VE3MQW	6,150	101	30	B
VE3KZ	105,336	678	77	C
VE3PN	71,874	534	66	C
VE3QAA	58,410	435	66	C
VE3EJ	42,539	356	59	C

Saskatchewan

VE5SF	468	18	13	B
VA5DX	29,376	269	54	C

Alberta

VE6JY	5,365	71	37	B
VE6BF	3,180	53	30	B

British Columbia

VE7JKZ	7,560	126	30	B
VE7VV	27,183	262	51	C

Checklogs

AB5XP, AF4OX, K2DW, K2FU, K3OQF, K7OA, K8OQL, KB2DCE, NØIJ, NØJK, N3SEO, N4UL, WØHW, W3SE, W5TEN, W5ZN, W6UT, W7LR, W9OA, W9YYG, WA6FGV