

2003 ARRL RTTY Roundup Results

Another session of the finest couch potato, non-contact sport yet invented, the ARRL RTTY Roundup contest has again taken place. This operator's contest has seen an explosion of activity with a 26% increase in logs being submitted for an all-time record number of 720 logs received. RTTY contesting continues to expand each year, helped by new terminal software with improved features in the contest program. Cabrillo log preparation has also made submitting logs easier than ever before.

The goal of every operator is to improve upon a previous score. Some operators try for a new Division record, some for the all-time category score, some for a missing state. Just keep in mind that you're not the only one who improved his score. This year we have three out of four new Top All-time category winners. Everyone else also worked the new guys and gals on RTTY and that's what makes it interesting.

The most popular class continues to be the low power single operator class with 470 logs submitted. This year another 175 logs were submitted in the high power class. There were 55 multioperator class logs; these were about evenly divided between the high and low power categories.



Finishing second overall among WVE Single Operator Low Power stations was W1ZT, piloted by George Johnson.

Expanded Results, Line Score Printouts Available

For complete contest results on-line, 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.

Many people enter the multioperator classes to use either one radio or one transmitter and packet. This is an interesting way to get around the raging argument over multi-radio contesting. The limit of six band changes per hour for multioperator stations makes their rate much less than that of single operator stations and also can let those operators that are "antenna challenged" compete.

Roundup is about the Average Station

The average station operator is the one who makes this contest so much fun. This year we highlight Joe, N3XLS, and Al, N3KAE. The 2003 contest was their first RTTY Roundup. Joe and Al spent 22 hours contesting, made about 500 QSOs in 45 states and 9 provinces and worked 33 DX entities for a score of 43,500. Their equipment consisted of a single rig running 50 W to a dipole up 45 feet. Future plans for Joe and Al include making the ARRL RTTY Roundup an annual tradition.

Let's review the high points. Roundup offers four classes for DX and W/VE entries.

Single Operator Low Power

In the 15 years of Roundup, Don, AA5AU, has won this category 12 times.

Top 10 Scores

Single Operator

WVE—Low Power

AA5AU	219,234
KA4RRU	171,360
N9CK	152,424
WX4TM	149,072
N3SL	143,910
N4BP	113,741
VY2SS	112,332
KC4HW	111,071
KI6DY	105,644
WE9V	101,971

WVE—High Power

K11G	250,472
W1ZT	194,056
W5KFT (K5PI, op)	183,120
K6LL	169,730
K4GMH	154,938
WW7OR	151,690
ND5S	147,932
K4MA	143,980
W4GKM	139,840
VE10P	135,954

DX—Low Power

ZX2B (PY2MNL, op)	132,480
G0URR	118,560
CO8ZZ	82,472
SP6AXW	82,110
UY8IF	80,654
SP6EKS	73,660
UW5U (UY2UA, op)	71,609
LZ2BE	71,094
EU1MM	66,810
YU7AM	66,340

DX—High Power

OR3T (ON4UN, op)	165,312
9A5W	160,655
S54E	136,653
DL4MCF	135,664
LV5V (LU5VV, op)	124,120
RK4FF	110,922
YL7A	109,976
LX5A (LX1RQ, op)	104,299
SN7N	96,330
JH4UYB	88,236

Multioperator

WVE—Low Power

N2WK	115,168
W6YX	114,648
K4WVW	103,550
W5VZF	84,552
KG0QG	78,780
N8LRG	70,512
W1GZ	65,835
K5BAT	64,400
K8VT	57,232
KE4YVD	44,932

WVE—High Power

K9NS	222,176
W0SD	172,224
NE3H	161,007
KI5XP	139,029
KJ7TH	120,330
K8AA	113,390
K0KO	105,948
K0FJ	102,000
W4CBX	74,121
N4CW	67,517

DX—Low Power

KP2D	148,274
XE1KK	110,922
IK4JSI	72,280
YU7AL	60,078
7L4IOU	18,525
UT0H	10,710
SV1XV	9,936
SV1BDO	6,630
JA8JCR	3,808

DX—High Power

VP5NN	243,164
OL5Q	120,904
EN7Z	116,632
MW2I	105,621
KL7FAA	63,096
JM1LPN	30,562
OM3RJB	22,484
OH2K	5,750

Region Leaders

Tables list call sign, score, class (S = Single Operator, M = Multioperator), and power (A = Low Power, B = High Power).

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)		
VY2SS	112,332	S A	AA5AU	219,234	S A	N9CK	152,424	S A	N3SL	143,910	S A	N6OJ	77,309	S A
W1ECT	98,536	S A	KA4RRU	171,360	S A	WE9V	101,971	S A	KI6DY	105,644	S A	W7ZR	73,392	S A
N2DBI	93,296	S A	WX4TM	149,072	S A	W9HLY	87,468	S A	VE4COZ	84,192	S A	W7LD	66,192	S A
WA1EHK	85,842	S A	N4BP	113,741	S A	W4LC	73,034	S A	KT0DX	83,160	S A	N7UVH	65,384	S A
N1NB	78,003	S A	KC4HW	111,071	S A	VE3GSI	71,286	S A	N0CDA	82,156	S A	AC6DR	58,575	S A
K1G	250,472	S B	K4GMH	154,938	S B	ND5S	147,932	S B	W5KFT	183,120	S B	K6LL	169,730	S B
W1ZT	194,056	S B	K4MA	143,980	S B	A19T	119,830	S B	(K5PI, op)			WW7OR	151,690	S B
VE1OP	135,954	S B	W4GKM	139,840	S B	VA3DX	112,545	S B	K5AM	122,910	S B	W7WW	124,925	S B
NO2T	108,960	S B	K4SV	131,852	S B	AB8K	101,660	S B	KU1CW	122,094	S B	KE7AJ	103,158	S B
VE2HQ	93,184	S B	KK5OQ	130,176	S B	W9OL	92,880	S B	W0DC	116,256	S B	K7ZUM	86,668	S B
N2WK	115,168	M A	W5VZF	84,552	M A	K4WW	103,550	M A	VE5CPU	107,601	S B	W6YX	114,648	M A
W1GZ	65,835	M A	K5BAT	64,400	M A	N8LRG	70,512	M A	KG0QG	78,780	M A	N7PWZ	40,572	M A
N3XLS	43,500	M A	VE3XD/W4	13,467	M A	K8VT	57,232	M A	K00Z	39,552	M A	AH6OZ/W7	23,736	M A
K3UG	36,627	M A	KI5XP	139,029	M B	KE4YVD	44,932	M A	N5RFX	30,525	M A	KJ7TH	120,330	M B
W1AW	31,600	M A	W4CBX	74,121	M B	K9NS	222,176	M B	KD5KZG	7,200	M A			
NE3H	161,007	M B	N4CW	67,517	M B	K8AA	113,390	M B	AF0S	1,312	M A			
W2YC	57,062	M B				VE3FJB	51,918	M B	W0SD	172,224	M B			
AJ3M	38,070	M B				AA9RR	32,130	M B	K0KO	105,948	M B			
						KE9S	21,328	M B	K0FJ	102,000	M B			
									W0DET	16,512	M B			

Everyone keeps waiting for Don to try something different. All Don did this year was once again rewrite the category record book with his 219,234 points. Mike, KA4RRU, from Virginia moved into second place this year ahead of Steve, N9CK. The West Coast RTTY guys were represented by Bob, KI6DY, who improved on his 10th place finish last year.

Returning to the DX top spot was ZX2B piloted by Wanderly, PY2MNL. Bob, G0URR, upgraded his station and achieved second place, commenting that 94 QSOs in one hour was "exhilarating stuff." CO8ZZ came in a close third with SP6AXW finishing in fourth place.

Single Operator High Power

For the second year in a row the East Coast dominated this category. Rick, KI1G, set a new all-time record with a first from Rhode Island. George, W1ZT, took his usual second place spot. Robert, K5PI, operating from the W5KFT ranch station finished third. From Arizona, K6LL, operating his single tower station improved to 4th from 7th place last year. Rounding out the top 5 was Mike, K4GMH. From the Pacific Northwest it was WW7OR just a little off the pace in 6th place.

As my Pappy used to tell me, "Son, if you really want to do well in the single operator class, you have to mix running rate with Search and Pounce techniques." At least that's how I remember it.

One of the biggest changes this year on the DX scene was the lack of Caribbean and South American top stations. Europe dominated in 2003. After telling us how to do it last year in his excellent Web article, John, ON4UN, operated as OT3T to win this year. The low bands were excellent and who better to dominate them than John! Tightly behind John was 9A5W who moved up from 4th place

last year to 2nd place this year. S54E and DL4MCF completed the European dominance. And 5th place was LV5V with his first high power effort.

The times are a-changing as we cycle from high to low bands, and we can expect the change in winners to shift as well.

Multioperator Low Power

Stateside it was N2WK in a first time Multi/Single effort taking first place honors with some impressive finds in the Multiplier arena. The N2WK team set a new Atlantic Division record. Beating their last year's Roundup effort QSO total by 300, the Stanford University station W6YX could only take second place US. Third place was captured by Shelby, K4WW, from Kentucky. W5VZF and KG0QG rounded out the top 5 stateside.

The goal of restoring the multi-single low power DX record back to KP2D energized that group to achieve it with several hours left in the contest. From Mexico, XE1KK got a lot of attention and came in second. Topping the Europeans was IK4SJI, last year's low power winner, followed by the YU7AL team.

Multioperator High Power

This year was the year of the DX Multi entry. Clearly last year's push from the Caribbean gave W6XY and N6EE the idea to do a DXpedition. So this year they traveled to VP5NN and set a new all-time high-power record. This team has really hit the RTTY scene lately and is having great success. Second this year on the DX side but dropping down a notch was last year's winner, OL5Q. Groups from EN7Z, MW2I and KL7FAA followed in the rankings.

For the second year in a row, K9NS remained on top of the stateside battle, edging out the group from W0SD, who

again set another Division record. This year NE3H took East Coast honors. KI5XP, KJ7TH and K8AA ate their dust.

Fun in the Roundup

Echoed in log after log was the joy brought to the RTTY community by the group that activated North Dakota on RTTY in a big way. So we give great homage to the operators from NW0L. It seems that a number of new Worked All States will result from the NW0L operation, which submitted as a checklog. As we get closer to having good representation from all the states in the contest, the missing ones really do pop out. This year it seemed to be Delaware. Wonder who is headed there in 2004.

The compact nature of the event keeps the action hot and heavy and that makes for a fun event. Ken, K7ZUM, thought the neatest thing was that he didn't blow up any of his gear this year because he had learned his lesson from past RTTY contests and now only uses bigger parts!

Perhaps the biggest disappointment was the lack of the good PSK31 activity we have had in the past. It seems that 40 and 80 meters in particular had very limited interest in PSK31.

Next Year

Changes in the rules coming: At a recent ARRL Board meeting the Membership Services Committee voted to include club competition in the RTTY Roundup for 2004. This will most likely result in yet another increase in participation in next year's contest. So wax up your antennas, boys, and gather the club members together for some spirited competition. Perhaps it's time to form a club in your area. Whatever route you take, be ready for the 2004 ARRL RTTY Roundup, January 3-4. 73

Scores

Scores are listed by DXCC Countries and ARRL/RAC Sections. Line scores list call sign, score, QSOs, multipliers, Single or Multioperator, and power (A = Low Power, B = High Power).

Africa					UN4PG	14,796	274	54	S	A
Canary Islands					UN6GN	10,125	225	45	S	A
EA8/DJ1OJ	40,095	405	99	S	Hong Kong					
Asia					VR2BG	1,290	86	15	S	B
Azerbaijan					UK Sov. Base Areas on Cyprus					
4K6DI	2,077	67	31	S	ZC4DW	1,449	69	21	S	A
Israel					Europe					
4Z8EE	19,712	308	64	S	Croatia					
4X6UU	10,600	212	50	S	9A3ZI	61,536	641	96	S	A
Cyprus					9A7R	43,700	460	95	S	A
5B4AHA	42,408	558	76	S	9A3CY	1,449	63	23	S	A
Oman					9A5W	160,655	1265	127	S	B
A45WD (YO9HP, op)					Portugal					
	63,210	602	105	S	CT2HZU	17,302	211	82	S	A
South Korea					Fed. Rep. of Germany					
HL2FDW	16,059	303	53	S	DL1ZBO	38,346	462	83	S	A
HL3GOB	1,419	43	33	S	DJ3IW	29,757	327	91	S	A
Japan					DL2YCA	22,800	300	76	S	A
JA7EMH	26,936	364	74	S	DL4JYT	15,946	238	67	S	A
JA1XRH	11,514	202	57	S	DL4HTK	10,920	182	60	S	A
J11RXQ	8,695	185	47	S	DL4SDT	6,027	123	49	S	A
JA2BY	7,614	162	47	S	DH8WR	3,219	87	37	S	A
JA2BQX	6,850	137	50	S	DL3NCK	3,116	82	38	S	A
JA2QVP	6,390	142	45	S	DL4MCF	135,664	1112	122	S	B
JA3HBF	4,730	110	43	S	DK0EE (DL4MDO, op)					
JA1XUY	4,510	110	41	S		86,838	706	123	S	B
JG1GGU	4,100	100	41	S	DJ3NG	73,008	676	108	S	B
JR4GPA	3,956	92	43	S	DL9NEI	59,262	581	102	S	B
JE1RRK	3,735	83	45	S	DL6JZ	58,976	608	97	S	B
JA2KCY	3,204	89	36	S	DL4RCK	29,760	372	80	S	B
JS1OYN	3,196	94	34	S	Spain					
JA1OVD	2,769	71	39	S	EA2RY	28,500	380	75	S	A
JA1PUK	2,691	69	39	S	EA7DIU	12,903	187	69	S	A
JA9LX	2,244	66	34	S	EA4BPJ	7,420	140	53	S	A
JR3RIY	1,675	67	25	S	EC1AMC	2,146	58	37	S	A
JA1BHK	1,344	64	21	S	EA4BNQ	1,323	49	27	S	A
JA8AGI/1	1,060	53	20	S	EA2AVM	1,230	41	30	S	A
7L3IUE	450	25	18	S	EA4WC	475	25	19	S	A
JM1NKT	434	31	14	S	EA5DFV	82,680	780	106	S	B
JM1KNI	345	23	15	S	EA1AKS	78,764	812	97	S	B
7N2UQC	312	26	12	S	EA5BY	47,382	447	106	S	B
JA3MIB	286	22	13	S	EA5FID	39,200	400	98	S	B
JR1NKN	231	21	11	S	Balearic Islands					
JH1TUX	210	21	10	S	EA6DD	26,270	355	74	S	A
JR3NDM	120	15	8	S	Ireland					
JQ1AHZ/2	117	13	9	S	EI4DW	27,300	300	91	S	B
JA1XPU	84	14	6	S	Moldova					
JK2VOC	33	11	3	S	ER3ZZ	10,976	196	56	S	A
JA1IZZ	10	5	2	S	Estonia					
JH4UYB	88,236	774	114	S	ES1RF	13,760	215	64	S	A
JA1BWA	26,700	356	75	S	ES1BH	6,018	118	51	S	A
JE1GMM	12,716	187	68	S	Belarus					
JA2FSM	7,696	148	52	S	EU1MM	66,810	655	102	S	A
JE4CIL	4,418	94	47	S	EU1SA	51,397	499	103	S	B
JH2BTM	2,345	67	35	S	France					
JR1VAY	165	15	11	S	F6AUS	61,710	561	110	S	A
7L4IOU (+packet)					F5FJ	25,988	292	89	S	A
	18,525	285	65	M	F5RD	10,166	221	46	S	A
JA8JCR (+packet)					F8AAN	3,485	85	41	S	A
	3,808	136	28	M	F6FJE	38,496	401	96	S	B
JM1LPN (+packet)					England					
	30,562	413	74	M	G0URR	118,560	1040	114	S	A
Bangladesh					G0MTN	28,720	359	80	S	A
S21YY	1,003	59	17	S	G0/N9LYE	11,088	176	63	S	A
Turkey					M0BEX	9,360	180	52	S	A
TA1GS	18,630	270	69	S	M3OKU	6,642	162	41	S	A
TA1DX	7,280	140	52	S	M3OKT	2,040	60	34	S	A
TA1EQ	300	25	12	S	G4EMT	1,836	54	34	S	A
TA1BM	19,762	241	82	S	M5RIC	1,540	55	28	S	A
Asiatic Russia					Northern Ireland					
UA0CA	28,073	419	67	S	GI4KSH	47,320	455	104	S	A
RA9XF	12,642	258	49	S	Guernsey					
UA9FGJ	5,633	131	43	S	GU0SUP	27,400	274	100	S	A
RU0LL	2,862	106	27	S	Wales					
RV9BB	10,608	208	51	S	MW3OKA	1,767	57	31	S	A
UA0AGI	132	12	11	S	GW4KHQ	22,890	327	70	S	B
Kazakhstan					GW3NJW	18,204	222	82	S	B
UP6P	48,060	534	90	S	GW4BLE	2,496	64	39	S	B
					MW2I (GW4JBQ, GW5NF, G4VXE, ops)	105,621	969	109	M	B
					Hungary					
					HA5BSW	41,860	455	92	S	A
					HA3OU	14,328	199	72	S	A
					HG03HNY (HG4I, op)					
						73,370	667	110	S	B
					HA3LI	14,732	254	58	S	B
					Italy					
					IZ4COW	54,590	515	106	S	A
					IK2XRW	29,241	361	81	S	A
					IZ4DZD	21,770	311	70	S	A
					IV3HAX	21,663	261	83	S	A
					IV3IPS	17,222	218	79	S	A
					IZ8DVD	16,310	233	70	S	A
					IV3KSE	7,224	129	56	S	A
					I2UIY	6,768	144	47	S	A
					IT9ORA	6,370	130	49	S	A
					IZ0BXZ	6,072	138	44	S	A
					IK2WYI	5,292	108	49	S	A
					IK3CST	4,141	101	41	S	A
					I1COB	71,609	709	101	S	B
					IV3OWC	54,162	531	102	S	B
					IZ5CCS	33,592	442	76	S	B
					I1WBW	30,932	418	74	S	B
					I2OKW	26,680	290	92	S	B
					IK4JSI (+ I4NJM)					
						72,280	695	104	M	A
					Norway					
					LA2BBA	6,348	138	46	S	A
					LA9DK	3,773	77	49	S	A
					Luxembourg					
					LX5A (LX1RQ, op)					
						104,299	923	113	S	B
					Lithuania					
					LY2SA	37,944	408	93	S	A
					LY3BH	29,400	350	84	S	B
					Bulgaria					
					LZ2BE	71,094	697	102	S	A
					LZ2PI	57,049	641	89	S	A
					LZ9R (LZ3YY, op)					
						53,489	601	89	S	A
					LZ2JA	16,900	260	65	S	A
					LZ1ZM	10,965	215	51	S	A
					LZ5ZI	5,566	121	46	S	B
					Austria					
					OE8YDQ	12,800	200	64	S	A
					OE1KTS	5,454	101	54	S	A
					Finland					
					OH2JLN	6,909	141	49	S	A
					OH3KOK	6,536	152	43	S	A
					OH7JJT	4,510	110	41	S	A
					OH3XR	4,477	121	37	S	A
					OH7KUD	1,525	61	25	S	A
					OH2LZI	720	40	18	S	A
					OH2BP	48,320	755	64	S	B
					OH2LU	38,475	405	95	S	B
					OH2K (OH2LNH, OH2LRE, ops)					
						5,750	115	50	M	B
					Czech Republic					
					OK2CLW	58,298	566	103	S	A
					OK2PEF	37,802	461	82		

RK4FF 110,922 973 114 S B
UA1AKC 53,760 512 105 S B
RW3LB 24,192 336 72 S B
RK6BZ 11,600 200 58 S B
RZ3TZA 2,380 70 34 S B

Ukraine

UY8IF 80,654 823 98 S A
UW5U (UY2UA, op)
71,609 709 101 S A
UR5FFC 29,962 422 71 S A
US9QA 22,632 328 69 S A
UZ7HO 20,672 272 76 S A
UT11A 19,264 301 64 S A
UR5ZMK 15,300 225 68 S A
UT4ZK 11,220 170 66 S A
UR8QR 5,580 124 45 S A
UT5EPP 5,400 150 36 S A
UZ7U (UT3UA, op)
54,684 558 98 S B
UT8EL 39,204 484 81 S B
UT4ZO 9 3 3 S B
UTØH (UT1HT, + ops)
10,710 210 51 M A
EN7Z (UTØZZ, UWØZZ,
UT4ZO, ops) 116,632 956 122 M B

Latvia

YL2KF 30,408 362 84 S A
YL7A 109,976 932 118 S B
YL2NN 27,300 364 75 S B

Romania

YO3APJ 48,480 505 96 S A
YO6BHN 44,625 525 85 S A
YO2NAA 3,696 84 44 S A
YO7ARY 168 14 12 S A
YO3JF 30,780 342 90 S B

Yugoslavia

YU7AM 66,340 620 107 S A
YU1L1M/QRP 13,275 225 59 S A
YU7AL (+ YZ7EM)
60,078 589 102 M A

North America

Cuba

CO8ZZ 82,472 793 104 S A

Panama

HP1AC 27,192 309 88 S A

Alaska

KL7AC 28,280 404 70 S A
KL7WP 12,095 205 59 S A
AL7B 4,136 94 44 S A
KL7FAA (KL7FH, AL1G, KL9A,
AL7LI, ops) 63,096 717 88 M B

Virgin Islands

KP2D (KP2N, NP2W, NP2DJ,
NP2DZ, ops)
148,274 1246 119 M A

Puerto Rico

KP4VP 7,315 133 55 S A
KP4JRS 6,930 126 55 S A

Guatemala

TG9/NØAT 51,170 595 86 S A

Turks & Caicos Islands

VP5NN (N6EE, W6XK, ops)
243,164 1961 124 M B

Mexico

XE1KK (+packet)
110,922 973 114 M A

Oceania

New Caledonia

FK8HN 19,462 263 74 S A

French Polynesia

FO5PS 1,296 48 27 S A

Hawaii

KH6GMP 32,576 509 64 S A
AH6HH 7,685 145 53 S A

Australia

VK3DBQ 3,358 73 46 S A
VK6GOM 11,342 214 53 S B
VK5GN 9,394 154 61 S B
VK2KM 8,280 115 72 S B

New Zealand

ZL2BR 12,810 183 70 S A

ZL2AMI 51,680 544 95 S B

South America

Uruguay

CX7BY 41,400 575 72 S B

Argentina

LW9ETQ 3,960 99 40 S A
LV5V (LU5VV, op)
124,120 1070 116 S B

Brazil

ZX2B (PY2MNL, op)
132,480 1104 120 S A
PS7ZZ 6,321 129 49 S A
PR7AR 1,645 47 35 S A
PY7ZY 9 3 3 S A
PT2BW 9,702 154 63 S B

Venezuela

YV5AAX 53,835 555 97 S A

1

Connecticut

WA1EHK 85,842 753 114 S A
N1NB 78,003 729 107 S A
W1DMM 77 11 7 S A
K7BV 74,480 665 112 S B
WØBR 31,520 394 80 S B
W1AW (WB8IMY, N4QX, ops)
31,600 400 79 M A

Eastern Massachusetts

K1YAN 35,288 401 88 S A
KD6NA 25,542 258 99 S A
WG1Z 22,304 272 82 S A
K1UG 6,837 129 53 S A
K1UR 2,800 80 35 S A
W1ZT 194,056 1528 127 S B
W1RY 79,704 738 108 S B
N1UVA 50,160 528 95 S B

Maine

NY1S 68,561 629 109 S A
WN1OTV 36,520 415 88 S A
K1US 12,750 170 75 S B

New Hampshire

W1ECT 98,536 904 109 S A
WA1Z 15,696 218 72 S A
KA1CRP (+ K1DAN)
17,208 239 72 M A

Rhode Island

W1HY 12,328 184 67 S A
AA1PV 10,230 155 66 S A
K1IG 250,472 1912 131 S B

Western Massachusetts

W1BYH 51,336 552 93 S A
W1TO 27,971 337 83 S A
KX1X 4,560 95 48 S A
K5ZD 32,560 370 88 S B
W1GZ (N1MGO, KT11, ops)
65,835 627 105 M A

2

Eastern New York

KC2DTJ 6,844 116 59 S A
NA2M 21,021 273 77 S B

NYC-Long Island

KA2D 40,420 430 94 S A
KF2XF 27,971 337 83 S A
KE2SX 4,000 80 50 S A
N2FF 75,400 754 100 S B

Northern New Jersey

K2YG 47,616 512 93 S A
WA2LXE 45,450 505 90 S A
KB2FM 44,175 475 93 S A
KO2FB 15,111 207 73 S A
W2VTV 13,200 200 66 S A
KF2QS 12,864 192 67 S A
N2QLQ 10,350 150 69 S A
N2LK 9,882 162 61 S A
NO2T 108,960 908 120 S B
W2KD (+packet)
18,404 214 86 M A

Southern New Jersey

KC2SZ 19,363 289 67 S A
N2UZ 9,490 146 65 S B
W2YC (+packet)
57,062 554 103 M B

Western New York

N2DBI 93,296 833 112 S A
K1PY 74,235 735 101 S A
WA2EYA 29,316 349 84 S A
W2MKW 9,794 166 59 S A
AA2IZ 5,253 103 51 S A
W2KKZ 1,344 56 24 S A
AB2HG 3,698 86 43 S B
N2WK (+ W1TY)
115,168 944 122 M A
KF2VX (+ K2ZUW)
19,000 250 76 M A

3

Delaware

K3LT 494 26 19 S A
CX7BF 36,848 376 98 S B

Eastern Pennsylvania

WA3IIA 59,850 570 105 S A
W3MEL 50,600 550 92 S A
WA3AAN 48,480 505 96 S A
KB3IEO 36,855 405 91 S A
KA3PVA 27,307 329 83 S A
AAØCY 13,277 187 71 S A
W3DSX 10,362 157 66 S A
K3OK 9,150 150 61 S A
W3DZH 7,119 113 63 S A
N3JX 6,039 99 61 S A
K3VW 77,468 724 107 S B
KB3TS 74,778 726 103 S B
W3FV 72,710 661 110 S B
KD3TB 20,636 268 77 S B
K3QIA 17,750 250 71 S B
N3NZ 14,839 209 71 S B
W2UP 11,536 206 56 S B
N3OW 11,115 171 65 S B
N3XLS (+ N3KAE)
43,500 500 87 M A
N3RN (+KA3EEO, KA3ZHT)
10,758 163 66 M A
NE3H (+packet)
161,007 1353 119 M B

Maryland-DC

WA1LWS 34,452 396 87 S A
WN3C 15,318 207 74 S A
W3BUI 7,668 142 54 S A
W3FQE 6,384 112 57 S A
K3YJP 4,278 93 46 S A
K3UG (+packet)
36,627 421 87 M A
AJ3M (+packet)
38,070 405 94 M B

Western Pennsylvania

N3FR 30,710 370 83 S A
K3FH 12,390 210 59 S A
WA3GPP 6,708 129 52 S A

4

Alabama

WX4TM 149,072 1232 121 S A
KE4KWE 78,279 807 97 S A
W6DSQ 25,974 351 74 S A
AG4W 60,078 589 102 S B

Georgia

W4AO 27,391 301 91 S A
WB6BWZ 17,934 294 61 S A
AE4Y 12,864 192 67 S A
AG4SV 1,708 61 28 S A

Kentucky

W4LC 73,034 689 106 S A
WA4KY 15,300 225 68 S A
N4GN 270 18 15 S A
K4VW (+packet)
103,550 950 109 M A
KE4YVD (WT4KY, KE4ISW,
AC4PY, KG4AOF, KØ4OL, WD4IRK,
ops) 44,932 478 94 M A

North Carolina

W4UEF 83,422 787 106 S A
K4WES 34,344 424 81 S A
AE4EC 5,800 100 58 S A
N4YDU 5,060 110 46 S A
KV4CN 3,634 79 46 S A
K2SD 1,728 54 32 S A
K4MA 143,980 1252 115 S B
K4SV 131,852 1108 119 S B
N4CW (+ WW4M)
67,517 631 107 M B

Northern Florida

W4TMM 13,532 199 68 S A
ACØM 3,240 72 45 S B

South Carolina

W4UK 99,693 1007 99 S B
KØCOP 4,320 90 48 S B

Southern Florida

N4BP 113,741 1063 107 S A
KC4HW 111,071 1019 109 S A
W4OX 38,078 482 79 S A
WO4D 25,500 300 85 S A
WT5L 14,755 227 65 S A
N4PSE 5,076 94 54 S A
K4RFK 1,500 50 30 S A
VE3XD/W4 (+ VE3BUC)
13,467 201 67 M A

Tennessee

W4BCG 55,625 625 89 S A
AD4EB 30,129 363 83 S A
WB9BSH 7,986 121 66 S A
W4JH 5,830 110 53 S A
KE4OAR 5,150 103 50 S A
NA4K 2,072 56 37 S A
W4GKM 139,840 1216 115 S B
K4RO 92,214 846 109 S B
W5BEN 16,206 222 73 S B
W4CZ 7,353 129 57 S B
W4CBX (+KF4CWH)
74,121 797 93 M B

Virginia

KA4RRU 171,360 1360 126 S A
N4DSL 70,176 731 96 S A
WD4GBW 53,560 520 103 S A
K4PZC 26,312 299 88 S A
N3MA 14,000 200 70 S A
WA4FFX 9,576 168 57 S A
W4DXD 7,755 141 55 S A
N6MW 3,510 78 45 S A
K4GMH 154,938 1302 119 S B
W6IHG 90,978 771 118 S B
W4RM 78,192 724 108 S B
N4UXA 56 8 7 S B

West Central Florida

N4IG 85,580 778 110 S A
N4GI 59,655 615 97 S A
KR4U 37,765 415 91 S A
W4TIJ 16,705 257 65 S A
W4IHI 12,375 165 75 S A
N2UM 7,560 120 63 S A
WB3D 58,176 606 96 S B

5

Arkansas

W5MK 29,674 401 74 S A
K5RPD 20,679 339 61 S A
W5RZ 1,044 36 29 S A
W5JE 13,680 240 57 S B
K5BAT (K5NRC, WB5BHS, ops)
64,400 644 100 M A

Louisiana

AA5AU 219,234 1797 122 S A
KD5CFB 5,720 110 52 S A
W3GAT 5,661 111 51 S A
K15XP (+ WA5CHX, KA5BSE,
N5RLM, W5WMM)
139,029 1149 121 M B

Mississippi

N5PU 32,384 368 88 S A
N15F 22,320 310 72 S A
WB5KYK 912 38 24 S A
KK5OQ 130,176 1152 113 S B
W5VZF (+ WA4DDE, KB4HB)
84,552 813 104 M A

New Mexico

K5IC 31,390 365 86 S A
K7IA 13,332 202 66 S A
WØZW 1,470 49 30 S A
K5AM 122,910 1205 102 S B
WAØSXV 63,075 725 87 S B

North Texas

N3BUO 5,880 140 42 S A
N5JR 62,700 550 114 S B
W5AP 32,109 417 77 S B
N5RFX (+packet)
30,525 407 75 M A
KD5KZG (+ KD5LDV, K5WI)
7,200 150 48 M A

Oklahoma				
W5TZN	31,801	413	77	S A
WA9AFM	12,915	205	63	S A
K0CIE	52,584	626	84	S B

South Texas				
N5XUS	66,542	679	98	S A
KS5V	49,049	539	91	S A
N5LYG	36,208	496	73	S A
AE5NL	29,230	370	79	S A
NI5O	27,816	366	76	S A
AJ4F	15,879	237	67	S A
KC5YKX	15,872	256	62	S A
N5VYS	13,632	213	64	S A
N5BA	4,165	85	49	S A
K5VWW	4,085	95	43	S A
N5DD	1,102	38	29	S A
N5PV	1,066	41	26	S A
K5HDU	238	17	14	S A

W5KFT (K5PI, op)	183,120	1526	120	S B
NA4M	82,566	834	99	S B
W5BBR	28,119	309	91	S B
K5NZ	10,800	200	54	S B

West Texas				
KE5OG	49,552	652	76	S A
N5IJE	15,477	231	67	S A
K4NR	18,531	261	71	S B
N5NA	11,660	220	53	S B

6

East Bay				
AC6DR	58,575	825	71	S A
N6TQS	37,074	501	74	S A
K6BIR	19,536	296	66	S A
AE6IS	8,880	148	60	S A
AK6DV	8,478	157	54	S A
WB6IYM	8,154	151	54	S A
KE6QR	4,888	104	47	S A

Los Angeles				
KB6WKT	32,616	453	72	S A
W6FFH	26,724	393	68	S A
ND6P	20,394	309	66	S A
N6EU	64,823	781	83	S B
WA6BOB	29,444	433	68	S B
AD6KA	27,472	404	68	S B
WO6M	12,006	207	58	S B

Orange				
KK6T	40,588	556	73	S A
WA6BFW	31,901	437	73	S A
W8KIE	12,360	206	60	S A
AD6WL	85,272	836	102	S B
W7TI	8,316	154	54	S B

Santa Barbara				
W6NS	120	12	10	S A

Santa Clara Valley				
AC6JT	51,205	665	77	S A
W6OAT	41,325	551	75	S A
K6EP	35,416	466	76	S A
N6RJB	22,896	318	72	S A
W6ZZZ	19,703	323	61	S A
K6RFM	11,214	178	63	S A
W6PRI	204	17	12	S A
W6YX (K6ENT, N6DE, ops)	114,648	1124	102	M A

San Diego				
N6PC	27,470	410	67	S A
N6VH	27,667	379	73	S B

San Francisco				
N6OJ	77,309	797	97	S A
K6UM	21,556	317	68	S A
K6OWL	14,137	211	67	S A
W6JOX	30,415	395	77	S B
K6RIM	12,220	188	65	S B

San Joaquin Valley				
K6MI	27,132	399	68	S A
K6MAR	14,732	254	58	S A

Sacramento Valley				
KQ6IK	36,720	510	72	S A
KJ6RA	11,256	201	56	S A
K6DGW	10,797	183	59	S A

7				
Arizona				
W7ZR	73,392	834	88	S A
K7KAR	20,054	271	74	S A
K6LL	169,730	1543	110	S B
W7WW	124,925	1315	95	S B
KC7V	77,100	771	100	S B
W6RLL	66,309	713	93	S B
N7PWZ (+ N7IZM, KB7YEB)	40,572	483	84	M A

Eastern Washington				
K7MM	37,410	435	86	S A
K7GS	28,305	333	85	S A
KB7JHM	3,116	82	38	S A
KB1QU	1,488	48	31	S A
KE7AJ	103,158	1042	99	S B

Idaho				
N7UVH	65,384	743	88	S A
N7ESU	3,465	315	11	S A
KJ7TH (+ KW7N)	120,330	1146	105	M B

Montana				
K7VK	46,155	543	85	S A
N7MNY	9,126	169	54	S A

Nevada				
N7ON	13,200	220	60	S A
KC5OZ	1,457	47	31	S A
KD5MSS	4	4	1	S A

Oregon				
N7DB	36,872	419	88	S A
AA7IH	11,088	198	56	S A
N7XB	10,335	195	53	S A
N7OR	6,075	135	45	S A
K7GZP	1,904	56	34	S A
WW7OR	151,690	1379	110	S B
K7ZUM	86,668	922	94	S B
AH6OZ/W7 (+W7AY)	23,736	344	69	M A

Utah				
WA7YAZ	25,192	376	67	S A
KJ7NO	5,445	121	45	S A

Western Washington				
W7LD	66,192	788	84	S A
KB7N	43,310	610	71	S A
AL7CM	19,856	292	68	S A
W7VXS	4,050	90	45	S A
W7GTO	16,592	272	61	S B
WG7X	14,616	232	63	S B
W7DPW	6,660	111	60	S B

Wyoming				
WG7Y	51,000	600	85	S A
KD7RX	7,098	169	42	S A

8				
Michigan				
K8RS	65,291	599	109	S A
W8HCS	45,630	507	90	S A
W8EB	43,010	506	85	S A
AA8TC	33,201	357	93	S A
K8RLM	30,324	361	84	S A
NX8C	22,185	255	87	S A
K8MD	3,075	75	41	S A
K8IR	1,428	51	28	S A
W8W	1,400	50	28	S A
ND5S	147,932	1193	124	S B
WA8RTP	17,625	235	75	S B
W8RU	4,488	88	51	S B
K8VT (+ WA8RTP)	57,232	584	98	M A
K8AA (+packet)	113,390	986	115	M B

Ohio				
N4GXP/8	31,500	350	90	S A
KE8FP	18,984	226	84	S A
KB8LNP	8,733	123	71	S A
K8RT	5,535	135	41	S A
W8TK	2,584	68	38	S A
K8RJW	2,508	66	38	S A
W8WTS	2,242	59	38	S A

N8CDN	1,395	45	31	S A
AB8K	101,660	884	115	S B
N8BJQ	43,200	450	96	S B
N8KM	13,725	183	75	S B
N8LRG (+ KB8TCF)	70,512	678	104	M A

West Virginia				
KG8WB	65,100	651	100	S A
K3JT	12,834	186	69	S A
WA8KAN	720	30	24	S A

9

Illinois				
K9BJM	37,113	417	89	S A
W9ILY	33,525	447	75	S A
W9TMMW	7,134	123	58	S A
N9KO	6,240	120	52	S A
AA9NF	5,610	110	51	S A
W9SE	3,861	99	39	S A
N9TF	2,278	67	34	S A
A9T	119,830	1042	115	S B
W9OL	92,880	860	108	S B
N2BJ	69,015	645	107	S B
KG9X	52,264	556	94	S B
KB9YOZ	4,512	94	48	S B
K9NS (K9HMB, K9PW, KS9W, N9NCX, ops)	222,176	1696	131	M B

Indiana				
W9HLY	87,468	788	111	S A
N9SF	45,505	479	95	S A
WD9GMK	29,920	374	80	S A
KB9AX	20,951	287	73	S A
WC9C	15,276	201	76	S A
K9WX	13,440	192	70	S A
K9SG	11,392	178	64	S A
W9THD	6,669	117	57	S A
N9MR	2,496	52	48	S A
K9RT	20,935	265	79	S B
K9RU	17,000	250	68	S B

Wisconsin				
N9CK	152,424	1314	116	S A
WE9V	101,971	953	107	S A
N9SDL	32,400	400	81	S A
W9GM	28,880	361	80	S A
KB9Q	4,753	97	49	S A
KA9VHG	3,080	77	40	S A
KB9S	527	31	17	S A
K9DJ	73,439	713	103	S B
N9BCA	12,150	162	75	S B
AA9RR (+packet)	32,130	378	85	M B
KE9S (+packet)	21,328	344	62	M B

0

Colorado				
KT0DX	83,160	840	99	S A
N0CDA	82,156	874	94	S A
K0FX	45,591	501	91	S A
W0SM	26,800	400	67	S A
N0UX	17,822	266	67	S A
K0RZ	15,642	237	66	S A
N0IBT	11,408	184	62	S A
A0EQ	10,696	191	56	S A
N0SG	1,100	50	22	S A
N0MWY	464	29	16	S A
W0MNX	128	32	4	S A
W0LSD	35,931	413	87	S B
AF0S (WV7T, N0QJS, ops)	1,312	41	32	M A
W0DET (+ K0CL)	16,512	258	64	M B

Iowa				
N3SL	143,910	1170	123	S A
K0SRL	1,860	60	31	S A
N5RJF/0	168	14	12	S A
Kansas				
K16DY	105,644	1078	98	S A
AK0A	47,000	500	94	S A
WD0BNC	5,883	111	53	S A
K0FJ (+ K0BJ)	102,000	1000	102	M B

Minnesota				
WA0LPV	35,708	452	79	S A
K0TG	22,445	335	67	S A
WA2HFI	5,805	129	45	S A
W0DC	116,256	1038	112	S B
W0HW	56,238	618	91	S B
N0MY	50,414	554	91	S B
W0ML	35,670	410	87	S B
W0GJ	28,056	334	84	S B
K0IR	10,830	190	57	S B
K0KO (+packet)	105,948	972	109	M B

Missouri				
N0IU	63,500	635	100	S A
WA0WIK	23,180	305	76	S A
KE0LY	20,500	250	82	S A
KS0M	16,536	212	78	S A
N0AJ	7,018	121	58	S A
KU1CW	122,094	1071	114	S B
K0BX	46,228	508	91	S B
KF0OH	8,816	152	58	S B
KG0QG (+ KI0IV)	78,780	780	101	M A
KO0Z (+ NF0Q)	39,552	412	96	M A

North Dakota				
KE0A	10,309	169	61	S A

Nebraska				
K0IDT	52,644	642	82	S A
W0KK	1,984	64	31	S A

South Dakota				
K7RE	36,856	542	68	S A
WB0ULX	9,760	160	61	S A
WA0PNB	513	27	19	S A
W0SD (+N0ABE, K0HW, W7XU, W0OE)	172,224	1472	117	M B

Maritime-Newfoundland				
VY2SS	112,332	1012	111	S A
VE9TTY	39,032	476	82	S A
VE1AOE	9,100	182	50	S A
VE9FX	8,640	144	60	S A
VE1OP	135,954	1162	117	S B
VE9MY	15,841	217	73	S B
VE9GLF	7,952	142	56	S B

Newfoundland-Labrador				
VO1HP	10,465	161	65	S A