

Results, 1986 ARRL International DX Contest

"This was my first single-op DX contest. Are you bored with VHF contests? Then try HF contesting!"—K6GSS

By Mike Kaczynski, W1OD and Billy Lunt, KR1R
Contest Manager, ARRL HQ Assistant Contest Manager, ARRL HQ

HF Contest activity is on the increase! Yes folks, activity in the 1986 ARRL International DX Contest is up from last year! This year, a total of 2391 logs were received. For those of you with score cards, that's 44 ahead of last year's 2347. As has been the case in past years, conditions tend to control the number of contest participants. Even better conditions in 1987 will produce a further increase in scores and entries. Now that conditions in Cycle 21 have just about bottomed out, we're preparing to make the climb toward the peak of Cycle 22. C'mon sunspots!

This year's statistics, as well as score listings, are presented courtesy of Data Base Manager 2 (copyright 1983, Alpha Software Corp). DBM2 has made it possible for us to generate leaders boxes more easily than ever before, hence their abundance in this writeup. This year's single-band super efforts are too numerous to note here. Let's let the boxes tell the story.

CW

Of the 2391 logs received at HQ for the 1986 DX Contest, over half (1169) were on CW. Of these, 1041 were single operator; 17 were multioperator, two-transmitter; 11 were multioperator, unlimited. Our most popular multioperator category, multi-single, boasted an even 100 entries.

When the green flag for the CW portion fell at 0000Z February 15, nobody knew quite what to expect. As things turned out, conditions didn't pack many surprises for the 1169 who reported. Because of a marked decline in high-band propa-

gation, CW scores are down a bit this year. In fact, a total of only 59 10-meter QSOs were made by the entire W/VE Top Ten! Take heart—1987 will be better!

In the single-op Top Ten, K0DQ skipped W3GRF to a first-place finish with 1.49 million points. Another three-lander, K3ZO, finished second with 1.39 million.

CW multioperator, single transmitter leader N4WW took advantage of 15- and 10-meter propagation to sneak past K1YR for the plaque.

Multi-two was won by W2REH and crew—N5AU was second.

Three was the number to be in the battle of the big guns. Unless you were K2TR, you had to be a 3 to make the multiop, unlimited box. W3LPL was on top, followed by K2TR, W3GM, K3OO and N3RS, respectively.

Propagation (or lack thereof) didn't get our DX CW winners down. N6TJ piloted 9Y4AA to a 4.12 million point first-place finish, landing a little more than 700k ahead of W1BIH's PJ9J

Affiliated Club Competition

Unlimited Category	Score	Entries	CW Winner	Phone Winner
Frankford Radio Club	40,416,101	86	N2LT	KT3M
Yankee Clipper Contest Club	26,493,301	68	KC1F	K1KI
Medium Category				
Potomac Valley Radio Club	18,160,689	41	W3GRF	K3ZO
North Texas Contest Club	8,009,870	25	K5NW	K5RX
Mad River Radio Club	7,121,130	27	W8LNO	WD8IXE
Dixie DXers	6,852,654	23	K3KG	WX4G
Northern California DX Club	5,119,047	47	N6QR	N6QR
Texas DX Society	3,741,084	11	KN5H	NR5M
Southern California Contest Club	3,085,021	9	N6AA	W6MKB
Southern California DX Club	2,724,811	39	W6TMD	K6EID
Murphy's Marauders	2,662,245	16	K1ZZ	WA1LWV
Central Virginia Contest Club	2,563,305	5	WU4G	—
Western Washington DX Club	1,924,770	30	NN7L	N7TT
Kansas City DX Club	1,766,724	17	W0JLC	WA0TKJ
Southeastern DX Club	1,445,880	18	KX4R	KX4R
Albany ARA	1,377,684	7	K2VV	K2VV
Eastern Iowa DX Assn	1,128,222	10	W0WP	NG0W
Central Arizona DX Assn	859,275	10	K7OX	K7OX
Western New York DX Assn	828,675	9	WB2ABD	W2FXA
Colorado Contest Conspiracy	603,021	4	K0ZX	W0OSK
Grand Mesa Contesters	457,746	9	W0GOR	K10G
South Jersey Radio Assn	456,882	14	W2EA	K2JLA
Society of Midwest Contesters	425,586	13	WB9JKI	KM9L
Northern California Contest Club	284,952	8	K4TKM	WE6G
Western Pennsylvania DX Assn	247,335	8	—	K3MD
Long Island DX Assn	126,912	4	K2MFY	K2YGM
Boiled Owls of New York	82,443	4	W2GGE	—
Hampden County Radio Assn	19,800	4	—	—
Local Category				
Overlook Mountain ARC	3,561,039	8	K5NA	KY2J
San Diego DX Club	1,531,968	8	N6AW	N6AW
Hoosier Contest Club	1,278,567	4	W9RE	W9RE
Minnesota Wireless Assn	1,148,859	3	N0AT	N0AT
Carolina DX Assn	860,772	6	AA4S	KF4HK
Rochester (NY) DX Assn	785,307	10	W2TZ	W2TZ
Mississippi Valley DX/Contest Club	710,586	6	W0HBH	W0HBH
Northern Ohio DX Assn	685,020	5	N8BC	—
Dauberville DX Assn	589,179	10	—	WB3FYL
Grumman ARC	520,788	6	WA2LQO	NN2F
Fox Cities ARC	349,524	4	W9OP	N9ER
Northern Illinois DX Assn	337,674	7	K9QVB	K9RHY
River City Contesters	309,114	5	KV6H	K6SG
Willamette Valley DX Club	291,564	6	W7NI	W7GUR
Fox River Radio League	288,327	5	—	KC9UM
Arrowhead Radio Amateur Club	269,103	5	AF9T/0	—
Madison DX Club	199,323	4	—	NB9C
Ohio Valley ARA	163,518	4	K8SW	—
Intermedics ARC	150,510	4	—	WE5P
Gloucester County ARC	119,940	4	K2OWE	K2OWE
Northern New Mexico ARC	83,319	4	—	N5EPA
Northern Arizona DX Assn	80,850	3	KR7Y	—
Waterbury ARC	71,046	3	—	KA1ION
Redwood Empire DX Assn	64,053	3	K6ANP	—
Central California DX Club	53,760	4	W6BYH	W6BYH
Alamo DX Amigos	51,186	3	W5KCR	W5KCR
Woodbridge Wireless	48,024	5	NQ4K	KB4EUZ
Utica ARC	39,858	3	—	KK2B
Eastern Michigan ARC	37,548	4	—	N8CQA
Great South Bay ARC	24,864	5	—	WB2RNT
West Park Radiops	9,120	3	—	—



Sitting at the controls is Ben, DL6RAI, who operated single-band 80 on both modes.

Top Ten—DX Phone

Call	Score	160	80	40	20	15	10
LU1BR	3,114,993	0/0	260/43	582/53	955/55	1450/57	762/51
K3UOC/YV4	2,804,301	90/31	468/47	233/43	1582/54	668/53	480/39
CE3BFZ	2,409,120	0/0	94/33	273/42	636/55	1213/55	1144/54
WB6FCR/KH6	2,398,440	15/6	433/47	882/52	1270/57	985/53	49/5
N7NR/KH6	2,158,065	22/8	348/45	500/49	1496/53	843/55	106/7
HC10T	2,157,813	0/0	617/52	390/45	782/53	1138/55	160/28
VP5Y (N6EK, opr)	1,852,128	59/26	311/41	374/45	768/49	1299/50	21/7
PP2ZDD	1,592,889	0/0	75/30	122/37	481/54	1160/53	543/49
ZS6USA	1,460,844	0/0	96/23	444/51	765/50	977/39	95/7
EA9IE	1,303,416	0/0	237/40	85/25	797/56	1407/51	0/0

Top Ten—DX CW

Call	Score	160	80	40	20	15	10
9Y4AA (N6TJ, opr)	4,121,715	161/40	589/55	1047/57	1304/56	1238/56	256/35
PJ9J (W1BIH, opr)	3,412,398	256/45	415/52	691/54	1252/56	927/56	276/35
N5AW/NP2	2,674,434	47/22	639/53	827/57	824/55	1050/56	55/16
K3UOC/YV4	1,940,634	121/35	322/47	416/49	962/56	550/50	98/25
N6EK/C6A	1,335,510	114/34	264/45	715/51	808/52	189/31	0/0
DL6FBL	1,229,211	42/21	165/31	763/50	1203/56	66/25	0/0
AH6AZ	1,178,658	46/29	231/41	571/51	586/51	360/47	0/0
C6ADR (N1EE, opr)	1,161,831	76/25	351/49	380/48	869/55	177/32	0/0
XE2MX	980,865	92/32	331/47	194/44	677/54	241/36	0/0
YV3AGT	769,986	0/0	271/49	184/43	385/45	518/52	0/0

Top Ten—W/VE Phone

Call	Score	160	80	40	20	15	10
K1KI	1,885,482	14/12	106/50	120/58	1318/100	318/84	46/22
K3ZO	1,510,758	21/17	206/65	74/42	997/89	334/74	30/16
N2FB	1,289,238	14/12	97/44	90/49	742/87	436/88	44/22
KT3M	1,273,440	20/16	103/53	68/41	1079/97	210/58	36/15
K1DG	1,242,774	5/5	82/49	82/45	962/88	291/75	47/20
W9RE	1,241,280	23/19	90/48	117/56	425/92	557/82	61/23
N2LT	1,237,698	12/10	71/43	87/49	933/92	326/72	34/16
WX4G	1,217,640	17/15	111/55	98/40	623/92	497/75	44/15
K5ZD/1	1,134,027	13/13	116/59	88/50	782/82	267/72	33/15
W6MKB (N6TJ, opr)	1,095,687	8/6	81/37	396/34	453/72	492/63	73/31

Top Ten—W/VE CW

Call	Score	160	80	40	20	15	10
W3GRF (K0DQ, opr)	1,490,952	17/14	199/61	464/71	771/78	216/65	12/7
K3ZO	1,393,728	25/24	229/59	368/60	920/77	162/48	4/4
KC1F	1,384,812	24/21	176/59	435/70	831/79	142/53	6/4
N2LT	1,383,936	12/10	142/48	452/74	946/79	137/55	7/6
K1AR	1,330,824	20/17	134/49	419/79	891/82	95/54	3/3
K3WW	1,198,773	23/19	168/59	455/70	807/69	76/42	2/2
K1DG	1,127,973	21/17	102/46	405/66	824/75	108/51	3/2
W3BGN	1,091,904	25/21	150/46	354/54	803/72	172/49	0/0
K3KG (K4FJ, opr)	1,060,884	26/21	108/46	306/74	537/73	266/60	11/8
K5NA	1,048,605	26/21	215/58	375/64	580/69	112/44	11/9

operation. Point of interest: Statesiders operated six of the DX Top Ten on CW (including the four top slots). Additionally, an exceptional QRP effort by YV3AGT netted him 769k and a first-place QRP finish. Outstanding!

A stroll through the multiop boxes shows P40M on top of multi-single with 4.48M. V47A copped a second-place finish with 3.49M. Two-transmitter entries were headed by GB4DX, followed with a strong showing from Japanese stations JA7YAA, JA9YBA and JH7YAW (second, third and fourth, respectively). Similarly, it was another European team on top of the multioperator, unlimited category—followed again by a strong Asian showing. IO3FIY, with 1.32M, defeated an outstanding effort by JA2YKA.

Phone

On the weekend of March 1-2, the CW bands were quiet. Now, it was time for the phone portion of the 1986 shootout. Conditions? Not too shabby! A majority of the 1069 who turned in an entry were surprised with far better propagation than what was experienced in the February brawl. As expected, Stateside entries outnumbered DX by almost 2 to 1. Foreign logs numbered 382, while 687 US/Canadian amateurs sent in summaries.

Entries by category are as follows: Single operator, 935 (608 W/VE, 327 DX); Multi-single, 106 (60 W/VE, 46 DX); Multi-two, 18 (6 DX, 12 W/VE). Ten big guns went for it all, entering the multi-multi category (3 DX, 7 W/VE).

Who won? Glad you asked! In the single operator category, K1KI virtually ran away from the competition, putting together 1922 QSOs and 326 mults for a whopping 1.885 million points. K3ZO put in another of his notable performances to finish second. That's consistency, something we've come to expect from Fred over the years. N6TJ navigated West Coast superstation W6MKB to a top-ten berth. Check out the photo on page 13 and you'll see what a West Coast superstation looks like.

The multi-single race was almost too close to call, with numbers 1 and 2 less than 3k apart. When the dust cleared, K3TUP was on top, just edging out the K3WW team. Multi-two wasn't quite as close—KX4S tiptoed away from the N5AU crew with a 90k buffer.

DX single-operator entrants were led by South American entrant LU1BR, who made use of North-South propagation and outstanding conditions on 10 meters (762 QSOs and 51 multipliers) to outdistance the competition. K3UOC/YV4 fell in a close second, with 2.8 M. CE3BFZ was third, WB6FCR/KH6 was fourth.

Top DX QRP Scores—Phone

Call	Score
K7SS/KH6	623,103
F9YZ	12,792
OK1DKS	10,656
4X6IF	7,161
JA1WSK	6,439
LZ2PO	6,417
JA2JSF	6,111
LZ2EW	5,214
YU1OWW	3,894
JR2BNF/1	2,613

Top QRP DX Scores—CW

Call	Score
YV3AGT	769,986
F9YZ	19,737
EA8BIE	16,050
YU4EJC	15,240
DL0FTZ/P	9,270
PA0ADT	7,128
OK1DZD	6,075
ON4JJ	5,916
OK1DKR	5,829
KH6CP	5,508

W/VE Low Power Top Ten (<150 W)

Phone	Score	CW	Score
VE1NG	720,390	VO1MP	592,200
VO1MP	315,882	W2TZ	339,636
W3UJ	286,836	KS1J	173,052
W2TZ	233,070	K9UIY	126,360
N5AW	178,416	W3HVQ	125,367
KG1D	117,558	K4MF	122,670
WA5OYU	106,533	K1VUT	107,238
W3ARK	102,600	KR8Y	105,216
N6ADK	88,275	WB2ABD	95,106
K4JHT	85,344	WD4AHZ	88,578

W/VE QRP Top Ten

Phone	Score	CW	Score
K3WS	158,928	NN4Q	104,145
KB7VD	37,674	K3WS	87,108
K0GT	36,354	W8VSK	86,940
WABAGH	35,028	N7IR	61,200
KB6KYB	33,858	WB2ENW	27,633
W6CN	24,111	N1AFC	22,794
N8CQA	15,921	KW6Q	20,655
VE1CBF	13,650	KB4GID	14,868
W6YVK	5,382	WT4G	12,012
WA7KLK	5,148	N8CQA	8,184

North-South wasn't the only available propagation path, however, as WB6FCR and N7NR operated "portable king henry six" to numbers 5 and 6 respectively. An effort not to be overlooked was N4NW, who operated ZS6USA to a number 10 finish. K7SS/KH6 racked up 623k, for top world QRP honors.

In the multi-single category, ZF2HI edged out KP4BZ by a mere 10,000 points. In multi-two, V47M topped the 10M mark for the top slot. PJ0B placed second, with 7M. Multioperator, unlimited was won by I3EVK, followed by JE2YRD and JA9YBA.

Affiliated Club Activity

One of the highlights of the ARRL International DX Contest is the affiliated-club competition program. Some questions have been raised about the program. Affiliated-club competition rules appear annually in January QST. Let's take a look at the rules, and see how the program works.

First, the club must be affiliated with ARRL. Contact the Club Services Department at HQ for details on affiliating. Second, the club secretary must send ARRL a list of all club members eligible to compete for the club. This list must include which category the club wishes to enter, and must be sent by the mailing deadline for each compe-

Top DX Multioperator Scores—Phone

Call	Score	160	80	40	20	15	10
ZF2HI	6,113,934	322/51	1070/56	1146/56	1610/58	2271/53	307/29
KP4BZ	6,102,816	203/43	904/53	1116/57	1389/58	2824/56	300/35
XE2XGY	4,307,280	143/42	1094/57	825/54	1850/57	1568/52	0/0
KH6XX	3,620,910	206/46	563/55	1157/56	839/54	1565/55	75/8
J34Z	3,251,745	99/35	790/52	563/53	637/49	1411/56	385/34
<i>Two Transmitter</i>							
V47M	10,543,500	332/54	1575/57	1969/57	2766/58	3271/57	737/47
PJ0B	6,936,393	163/42	1374/57	1097/54	1323/57	2610/58	820/45
JA7YAA	387,192	0/0	102/15	233/27	755/50	151/12	0/0
JA7YFB	356,076	0/0	43/9	273/40	657/47	126/12	0/0
JG1ZKO	104,823	0/0	2/2	91/14	340/31	180/10	0/0
<i>Unlimited</i>							
I3EVK	1,880,418	78/27	398/40	389/37	1487/55	751/43	0/0
JE2YRD	582,615	0/0	91/10	345/39	912/53	257/19	0/0
JA9YBA	464,508	0/0	146/15	130/19	1074/55	168/13	0/0

Top DX Multioperator Scores—CW

Call	Score	160	80	40	20	15	10
<i>Single Transmitter</i>							
P40M	4,478,643	208/43	509/56	1152/56	1588/57	1151/56	319/35
V47A	3,490,344	201/44	571/54	1190/57	1066/56	971/56	69/19
KH6XX	2,964,555	227/46	456/53	1059/56	1027/56	960/54	0/0
4U1UN	2,862,000	306/44	896/56	920/56	911/57	514/46	53/6
J34Z	2,678,808	146/39	367/50	924/56	814/53	875/55	86/25
<i>Two Transmitter</i>							
GB4DX	969,510	9/9	439/39	320/39	936/47	197/36	0/0
JA7YAA	407,160	8/7	147/31	216/23	536/51	137/18	0/0
JA9YBA	385,839	9/5	174/34	288/29	480/52	46/9	0/0
JH7YAW	264,504	15/7	72/16	259/29	436/47	42/8	0/0
OH1AF	137,088	2/2	27/12	9/5	460/49	46/16	0/0
<i>Unlimited</i>							
IO3FIY	1,321,677	15/9	370/40	676/47	841/52	429/41	0/0
JA2YKA	578,598	16/7	192/29	361/42	644/52	108/16	0/0

Top W/VE Multioperator Scores—Phone

Call	Score	160	80	40	20	15	10
<i>Single Transmitter</i>							
K3TUP	1,323,630	16/14	111/54	134/55	648/93	396/94	32/20
K3WW	1,320,948	22/19	87/51	92/56	829/96	288/83	41/19
WB8JBM	1,204,818	17/15	111/53	111/50	579/85	409/87	52/24
WB2ULI	1,020,672	6/6	74/52	39/28	1090/105	120/65	0/0
N4KG	968,175	27/22	100/55	110/54	388/90	310/88	40/22
<i>Two Transmitter</i>							
KX4S	2,457,450	30/25	188/63	139/62	1178/110	573/100	42/21
N5AU	2,391,168	47/32	179/66	408/67	614/112	556/104	112/35
N6ND	1,982,760	25/17	86/37	642/47	621/88	651/83	107/38
N3RS	1,945,026	20/16	93/51	189/68	856/110	602/100	28/17
K3OO	1,754,994	29/23	107/57	100/59	971/108	343/98	44/22
<i>Unlimited</i>							
W3LPL	3,019,302	47/33	163/65	251/80	1067/110	709/108	109/33
W3GM	1,923,108	30/24	113/55	138/65	1058/110	304/92	71/28
K3ZZ	1,019,424	9/8	96/49	90/47	699/87	244/76	46/20
K1EA	903,600	17/16	72/47	75/44	625/98	177/76	38/19
KM1C	901,167	15/13	76/45	75/44	689/91	177/72	37/16

Top W/VE Multioperator Scores—CW

Call	Score	160	80	40	20	15	10
<i>Single Transmitter</i>							
N4WW	1,446,882	21/17	105/51	417/83	746/76	298/68	10/7
K1YR	1,226,016	12/10	196/54	379/76	844/71	117/53	0/0
N2MM	1,162,200	22/19	186/67	379/76	589/75	116/54	8/7
K4VX/0	1,119,525	44/29	122/52	288/70	623/72	172/58	16/14
KM1C	1,102,302	22/19	136/53	319/71	769/80	89/46	6/5
<i>Two Transmitter</i>							
W2REH	2,128,386	27/22	240/66	445/88	1123/84	250/66	14/12
N5AU	1,851,696	58/28	158/52	609/79	655/85	329/76	28/16
K5LZO	1,308,066	30/22	133/52	464/75	482/81	269/65	24/16
K1XM	959,175	16/15	147/53	359/75	626/71	71/43	6/4
N2RM	953,451	6/6	109/36	401/65	639/69	180/56	6/5
<i>Unlimited</i>							
W3LPL	2,828,595	64/45	213/74	603/88	1117/94	362/79	28/15
K2TR	2,643,354	60/44	209/65	721/97	1111/91	206/68	24/13
W3GM	2,170,746	55/36	268/75	451/81	896/84	279/76	27/14
K3OO	1,822,065	37/30	234/70	423/76	903/86	207/67	9/6
N3RS	1,724,514	38/31	184/56	499/87	853/78	228/67	0/0

tion. Additionally, at least three different entries from members of the club must be submitted. In all, 59 clubs had the required three entries to qualify for this year's competition.

Over half of the clubs in the listing (31) competed in the local category. To be classified in

this category, all club members must reside within 20 miles of the club's center. This year's local club champ is the Overlook Mountain ARC. OMARC submitted eight entries totaling 3.56 million points for the local club gavel.

The medium club category is designed for

Overall Division Leaders

Phone	Division	CW
VE1NG	Canada	VO1MP
K3ZO	Atlantic	W3GRF(K0DQ)
W9RE	Central	KC9T
N0AT	Dakota	AF9T/0
K5MK	Delta	K5MK
WD8IXE	Great Lakes	W8LNO
N2LT	Hudson	N2LT
K4VX(KR0Y)	Midwest	W8JLC
K1KI	New England	KC1F
N7TT	Northwestern	NN7L
N6QR	Pacific	N6QR
W3HHG	Roanoke	W3VT
N2IC/0	Rocky Mountain	K13L
WX4G	Southeastern	K3KG(K4FJ)
W6MKB	Southwestern	W6TMD
NR5M	West Gulf	K5NW

Low Power Division Leaders < 150 W)

Phone	Division	CW
VE1NG	Canada	VO1MP
W3UJ	Atlantic	W2TZ
NG9L	Central	K9UIY
WD8BHV	Dakota	WB8BJP
W4SOYU	Delta	W4SOYU
W8JRK	Great Lakes	KR8Y
K3FNW	Hudson	W2KHQ
WA0NOK	Midwest	N10G
KG1D	New England	K51J
W7YAQ	Northwestern	KU7Y
WE6G	Pacific	W6JTI
KB4EUZ	Roanoke	N3OS
W7LHO	Rocky Mountain	W7LHO
W9KTB/4	Southeastern	K4MF
N6ADK	Southwestern	N6IBP
N5AW	West Gulf	KY5N

QRP Division Leaders

Phone	Division	CW
VE1CBF	Canada	—
K3WS	Atlantic	K3WS
—	Central	—
—	Dakota	—
—	Delta	—
WA8AGH	Great Lakes	W8VSK
—	Hudson	WB2ENW
K0GT	Midwest	—
—	New England	N1AFC
KB7VD	Northwestern	—
W6YVK	Pacific	—
—	Roanoke	NN4Q
KB7M	Rocky Mountain	—
—	Southeastern	KB4GID
KB6KYB	Southwestern	KW6Q
N5BA	West Gulf	—

clubs who submit 50 or fewer entries. All stations and all members must reside within 175 miles of the club's center. There are meeting attendance requirements for members residing more than 50 miles from the club center. This year's winner in the medium category really was a winner—the Potomac Valley Radio Club gathered in 41 entries for an 18.2 million point aggregate. The North Texas Contest Club was second, with eight million.

To participate in the unlimited category, a club must submit 51 or more entries. This year, two clubs topped the 51 entry mark: the Frankford Radio Club and the Yankee Clipper Contest Club. The Frankford crew took the gavel again, amassing 86 entries for a total of 40.4 million points. The Yankee Clipper sailed in with 68 entries totaling 26.5 million for second.

Club Secretaries note: Several of you failed to submit an eligibility list this time. Hence, some clubs that might have fallen in the local category were reclassified to the medium category. Please—send your rosters to the ARRL Contest Branch by the mailing deadline next time!

In closing, the 1986 ARRL International DX Contest was made a success because of the effort put forth by the numerous "Deserving DXers" who, despite the odds, gave it their all. We salute you.

CU in the 1987 contest, to be held on February 21-22 (CW) and March 7-8 (Phone). GL!

DX Continental Winners—Phone

Single Opr	Africa	Asia	Europe	North America	Oceania	South America
All Band	ZS6USA	JH7DNO	GW4BLE	VP5Y (N6EK)	WB6FCR/KH6	LU1BR
160	—	—	IV3PRK	—	—	—
80	—	JA1XAF	HB9CXZ	4U1UN (K2GM)	ZL1AAS	HK3IXJ
40	ZS6DW	JA2BAY	I4AVG	—	KH6IJ	HC5EA
20	—	JF1SEK	F6CTT	KP4FI	K6GSS/KH6	HC1HC
15	CT3BM	JA9RPU	EA7AVU	VP2MU (K1CLN)	VK3GK	HK3MAE
10	ZS6P	—	F9YZ	—	—	LU1E (LU3AJW)
QRP	—	4X6IF	—	—	K7SS/KH6	—
Multiop	—	—	—	—	—	—
Single TX	W6QL/Z2	JA1YWX	I5NPH	ZF2HI	KH6XX	LU1VZ
Two TX	—	JA7YAA	I3EVK	V47M	—	PJ0B
Unlimited	—	JE2YRD	—	—	—	—

Top DX Single Band Scores—Phone

160		20	
IV3PRK	1,479	KP4FI	549,594
CU2AF	396	HC1HC	429,039
		F6CTT	406,812
80		K6GSS/KH6	365,400
4U1UN	265,842	CU2AN	297,165
XE1OX	109,548	I4RYC	270,180
HK3IXJ	87,900	LU6ETB	264,132
VP5Z	71,736	G4BWP	259,782
ZL1AAS	25,707	WB2PSD/HK2	242,385
HB9CXZ	20,910	OK6DX	239,948
VK2FAE	19,332		
JA1XAF	18,600	15	
HG7B	13,104	HK3MAE	225,456
		VP2MU	173,469
40		CT3BM	135,270
HC5EA	120,744	K2KT/PJ7	101,385
YV2NY	98,049	YV5IAL	78,000
ZY5OC	86,496	EA7AVU	74,718
JA2BAY	24,219	PS7KM	58,608
I4AVG	22,032	ISOYY	27,720
YV6BTF	18,144	IK2GSN	24,255
KH6IJ	13,938	EA5FCP	20,988
WH6W	11,340		
JH0LFE	10,872	10	
JH1AEP	8,532	LU1E	242,220
		LU8DPM	153,750
		CX2AAL	112,896
		W1BIH/PJ2	87,849
		ZS6P	6,570
		ZP5XDW	5,760

DX Continental Winners — CW

Single Op	Africa	Asia	Europe	North America	Oceania	South America
All Band	ZS6USA	JA7FWR	DL6FBL	N5AW/NP2	AH6AZ	9Y4AA (N6TJ)
160	—	JA7NI	OK1JDX	V3DA (W3UM)	—	CX8DT
80	—	UA0ZQC	OK3TJI	NP4Z	—	OA4ZV
40	SM5ALJ/EA8	UH8EC	I0JX	H18LC	KH6DW	PY4WAS
20	SZ4DE	JA3YBF	G3FXB	TE4T	K7SS/KH6	LU8DQ
15	EA8AVW	—	YU4ETF	—	VK4XA	ZP5XDW
10	—	—	—	—	—	PA0VDV/PJ2
QRP	EA8BIE	JA1KFX	F9YZ	—	KH6CP	YV3AGT
Multiop	—	—	—	—	—	—
Single TX	W6QL/Z2	JE2YRD	YU4EXA	—	KH6XX	P40M
Two TX	—	JA7YAA	GB4DX	—	—	—
Unlimited	—	JA2YKA	IO3FIY	—	—	—

Top W/VE Single Band Scores—Phone

160	20
K1ZM 8,400	K2VV 625,485
WB3GCG/4 5,724	KR2J 476,043
WB2V 4,437	KS1L 459,510
N4SU 3,600	N2AA 454,215
WBKEA 3,332	W1WEF 337,737
AB1A 2,304	K3KG 293,436
K3UA 2,139	N7TT 280,872
W2FCR 1,425	WB9HAD 145,914
W4BAA 1,008	W1GG 139,680
K4TEA 630	W8TWA 110,079
80	15
K2EK 54,315	K3RV 325,680
KM1H 48,300	N8II 206,094
KA1XN 41,391	KS1L 102,051
K3NA 29,388	AI6V 100,548
WA4SVO 27,072	K6SVL 97,980
KQ3V 20,955	N4VZ 80,100
KM1R 17,808	AA4M 78,336
K3WGR 13,824	N4BP 68,373
KZ2I 12,555	KC7V 54,450
NG2X 11,205	K1EFI 48,618
40	10
NZ5I 24,639	K4JRB 18,759
AD8C 17,901	VE1BNN 7,740
KD2RD 17,658	KR9G 6,318
W9CH 16,350	WB5N 5,100
W7FP 13,536	VE3FWQ 5,037
W4OWY 11,178	W3PWO 4,158
KB0U 10,206	W8AKS/6 3,672
NC2V 8,190	N4EJH 3,060
NJ8N 7,980	K9LA 2,592
W4PZV 6,882	K2OVS 2,295

Top W/VE Single Band Scores—CW

160	20
K5UR 15,000	K2VV 363,768
N4SU 7,503	W1WEF 226,812
WB2V 6,480	W1GL 225,018
N4PN 5,428	WA2OOS 182,880
K4TEA 4,653	WD8AUB 169,944
K6DDO 4,392	W1IHN 153,792
W4NL 3,600	KA2MXO 150,144
N4IN 2,349	WD8LLD 130,680
N6TR/7 2,054	KA3NED 117,783
N7DF 1,827	K9QVB 109,200
80	15
W1FV 100,788	K3RV 107,994
W4MYA 42,480	K1RM 55,188
KE9A 15,150	WB4TDH 40,188
N3BJ 13,038	KV8Q 33,855
W8UO 11,514	K8XR 24,009
W1NH 11,025	K4TKM 18,270
KQ8M 8,856	NJ6P 10,836
K8DD 7,770	K3TW 3,588
K3SMQ 6,633	K7OVW 3,150
AA5C 5,760	KC4GR 2,754
40	10
N8QR 181,260	KR1R 231
KR2J 182,000	K9LA 189
W6YA 152,205	KE2N 168
AA7A 129,375	VE2AEJ/3 72
N4ZC 80,145	WB2AMU 45
N4ZZ 68,670	—
W5WQN 23,940	—
KJ0H 17,138	—
NJ8N 15,180	—
W2HG 10,836	—

Top DX Single Band Scores—CW

160	20
V3DA 40,770	K7SS/KH6 258,042
KL7Y 12,075	LU8DQ 254,040
FG/W2KN/FS 2,760	G3FXB 167,076
CX8DT 1,653	OH1AA 98,739
JA7NI 1,260	PY2RRG 96,513
JF1NZW 891	JA3YBF 91,143
JE1SPY 660	JF2EZA 82,521
OK1JDX 297	Y23DL 78,966
80	15
NP4Z 106,530	ZP5XDW 232,008
K0GVB/C6A 82,134	VK4XA 38,829
OK3TJI 35,682	EA8AVW 22,089
HG5A 34,965	YU4ETF 15,903
DL6RAI 28,944	I1XPQ 11,310
KL7UR 22,575	EI3DP 7,395
EA3AQS 19,980	OK2BCI 6,138
UA0ZQC 16,965	I2QIL 5,934
OA4ZV 16,032	OK1TW 5,280
JA1YBK 15,390	ON4XG 3,366
40	10
I0JX 202,122	PA0VDV/PJ2 29,085
YU1EXY 121,950	—
I2UBI 102,900	—
KH6DW 85,374	—
VK2BQQ 69,336	—
F6ARC 50,181	—
PY4WAS 49,632	—
YU2QS 45,264	—
HA0LM 41,082	—
G4CNY 35,175	—

with a mediocre station from the East Coast, I finally heard a JH8 one minute before the contest ended and logged him at the end! (K0DI). I can't remember the last time I could hear North and South America, Europe, Africa and Hawaii all at the same time (K4BNC). Due to the propagation doldrums, I wasn't too inspired to mount a major effort this year (W3IQS). Heard W5s working VK, ZL and KH6, but except for Easter Island and FO8 this was an African/Americas party! (K4JRB). The generally good conditions on the high bands forced me to spend more time on the rig than I planned (KA5KWX). Had consecutive 30+ QSO hours only three times. It's rough in Texas from a city lot these days (K5RX). Enjoyed the contest as always, it's still my favorite! (N5AW). Three new countries on 160! (N8BJQ). Contests seem to have a magnetism all their own. European openings were very poor; where were the OHs and the Russians? (W6BYH). We worked every station we could hear, then ran into dupes (WD8QDQ). Propagation was strange this year: Forty-over signals from Europe, but they couldn't hear us! (NJ8N). Never did get a run on JAs! Will be glad when the spots are in again (N2BVJ/9). It took two whole days to get the 9U! (VE3GRA). Thanks to D44BC and UV100, I got two new ones! (VE7EIK). Never expected 10 meters to open. Next year I'll have an antenna (WB2ULI). Operating with JI6CUK and JM1CAX was a real pleasure. We beat last year's winning QSO total but

SOAPBOX

Come on solar flux! (WB1CNM). Biggest surprise was being called by KC6DM for country no. 263 (W2DW). It was really interesting operating 15 and 20 with the Yagi stuck at 120 degrees, but it still got its share (KW2J). Finally after ten years, off and on, propagation allowed us to compete with New England! (K0DQ). I was really surprised to work 26 countries on 40 meters running 3 watts! (K3WS). Compared to last year, conditions were very disappointing. Even the top band yielded very few European QSOs (W3VT). All JA and no Europe keeps the multiplier count low. Thank goodness for the Caribbean and South American multipliers. At least next year we'll be on the up side of the sunspot cycle! (KA5KWX). Ahh, snow static... I love it!! (KT5X). Looking at my log for the first night, I was about 20% ahead of where I've ever been before by morning on Saturday (W5WQN). Low sunspots and QRP yielded a low score and slow contest weekend. But at least it gave me more of a reason to get my tower up (KW6Q). Fortunately, my towers and antennas escaped hurricane winds that knocked out a commercial

station's tower close to my QTH (W6BIP). Totally rotten WX. Spent a great deal of the weekend watching to make sure the antennas stayed up! (K6LRN). Unusual desert rain and high winds killed the first night on the low bands (N8BJQ/6). Murphy reigned... and rained, and rained to give over 8 inches during the contest and lots of rain static (N6GG). Who stole Europe on Saturday? (KU7Y). Conditions were excellent for QRP especially 40 and 80 (W8VSK). What are the odds of the driver and both 6146s going sour in the same contest in only 6 hours of operation? (KK9G). I discovered it's hard to work 160, 80 and 40 with the vertical down on the roof and the wire frozen to the drainpipe. I still managed two QSOs! (WB9HRO). With barefoot power and simple antennas, you really learn to appreciate good solar activity (KA0P). I only was using 40 watts to an all-band vertical antenna, but managed to work some good new DX (VE7EIE). Picking up two multipliers in the last 4 minutes was a surprise (KM1H). High winds gave me antenna-raising problems but I still managed 5 new countries (KA1DBK). My first contest after my upgrade to General at the age of 12 (KA2WLI). A fantastic finish! After working every continent except Asia,

DX Plaque Winners—Phone

Category	Winner	Donor
Single Op		
World	LU1BR	North Jersey DX Assn
Africa	ZS6USA	Kenwood Employees Amateur Radio Club, WD6DJY
Asia	JH7DNO	Acadiana DX Assn
Europe	GW3BLE	Murphy's Marauders Contest Club
North America	VP5Y (N6EK)	Chod Harris, VP2ML
Oceania	WB6FCR/KH6	N7AVK Doc Sayre and DX Int'l Society
South America	LU1BR	Kenwood Employees Amateur Radio Club, WD6DJY
1.8 MHz	IV3PRK	Fred Race W8FR, CPO USN
3.5 MHz	4U1UN	Kenwood Employees Amateur Radio Club, WD6DJY
7 MHz	HC5EA	Central Arizona DX Assn
14 MHz	KP4FI	Don Wallace W6AM Memorial, Central CA DX Club
21 MHz	HK3MAE	Kenwood Employees Amateur Radio Club, WD6DJY
28 MHz	LU1E	Kenwood Employees Amateur Radio Club, WD6DJY
QRP	K7SS/KH6	Gerald Griffin MD, W8MEP/6
Multioperator, Single Transmitter		
World	ZF2HI	Gloucester County ARC
Africa	W6QL/Z2	David Vogel, NL7P
Asia	JA1YWX	Kenwood Employees Amateur Radio Club, WD6DJY
Europe	I5NPH	Metro DX Club
North America	ZF2HI	Nick G. Lash, K9KLR
Oceania	KH6XX	Society of Midwest Contesters
South America	LU1VZ	Kenwood Employees Amateur Radio Club, WD6DJY
Multioperator, Two Transmitter		
World	V47M	Kenwood Employees Amateur Radio Club, WD6DJY
Asia	JA7YAA	Kenwood Employees Amateur Radio Club, WD6DJY
Europe	—	Tom Middleton, WB4CKY and Joyce Middleton, KB4OMW
North America	V47M	John Brosnahan, W0UN
South America	PJ0B	Kenwood Employees Amateur Radio Club, WD6DJY
Multioperator, Unlimited		
World	I3EVK	"Mac" Crush, WB4UOI Memorial—Phil Sager, WB4FDT
Asia	JE2YRD	Kenwood Employees Amateur Radio Club, WD6DJY
North America	—	Willamette Valley DX Club

DX Plaque Winners—CW

Single Op	Winner	Donor
World	9Y4AA (N6TJ)	North Jersey DX Assn
Africa	ZS6USA	Kenwood Employees Amateur Radio Club, WD6DJY
Asia	JA7FWR	Alamo DX Amigos
Europe	DL6FBL	Clarke V. Greene, K1JX
North America	N5AW/NP2	Potomac Valley Radio Club
Oceania	AH6AZ	Tom Morton, KT6V
South America	9Y4AA (N6TJ)	Southern California DX Club
1.8 MHz	V3DA	Jim Dionne, K1MEM and Bill Poellnitz, K1MM
3.5 MHz	NP4Z	Mad River Radio Club
7 MHz	I0JX	Platinum Coast ARS
14 MHz	K7SS/KH6	Bencher, Inc.
21 MHz	ZP5XDW	Southern New England DX Assn
28 MHz	PA0VDV/PJ2	Kenwood Employees Amateur Radio Club, WD6DJY
QRP	YV3AGT	Woodbridge Wireless—KZ2E & KA2TPA
Multioperator, Single Transmitter		
World	P40M	George Schultz, W0UA and John Brosnahan, W0UN
Asia	JE2YRD	Kenwood Employees Amateur Radio Club, WD6DJY
Europe	YU4EXA	Kenwood Employees Amateur Radio Club, WD6DJY
North America	V47A	Kenwood Employees Amateur Radio Club, WD6DJY
Oceania	KH6XX	Southwest Idaho DX Club
South America	P40M	Vic Clark, W4KFC Memorial—Phil Sager, WB4FDT
Multioperator, Two Transmitter		
World	GB4DX	Tom Frenaye, K1KI
Asia	JA7YAA	Kenwood Employees Amateur Radio Club, WD6DJY
Europe	GB4DX	Texas DX Society
Multioperator, Unlimited		
World	I03FIY	H. Stephen Miller, N0SM
Asia	JA2YKA	Kenwood Employees Amateur Radio Club, WD6DJY
Europe	I03FIY	Schenectady Amateur Radio Assn
North America	—	Willamette Valley DX Club

WVE Plaque Winners—CW

Single Operator	Winner	Donor
All Band	W3GRF (K0DQ)	Frankford Radio Club
1.8 MHz	K5UR	Connecticut Wireless Assn
3.5 MHz	W1FV	Dayton Amateur Radio Assn
7 MHz	N6QR	Northern Arizona DX Assn
14 MHz	K2VV	Fox Cities ARC
21 MHz	K3RV	Carl Luetzelshwab, K9LA
28 MHz	KR1R	W5MYA
QRP	NN4Q	Hollywood Amateur Radio Club
Multioperator		
Single Transmitter	N4WW	Kenwood Employees Amateur Radio Club, WD6DJY
Two Transmitter	W2REH	Kenwood Employees Amateur Radio Club, WD6DJY
Unlimited	W3LPL	Colorado Contest Conspiracy

WVE Plaque Winners—Phone

Single Operator	Winner	Donor
All Band	K1KI	Frankford Radio Club
1.8 MHz	K1ZM	Butch Greve, W9EWC, Memorial
3.5 MHz	K2EK	Lance Johnson Engineering, K0CS
7 MHz	NZ5I	Dave Thompson, K4JRB
14 MHz	K2VV	Dayton Amateur Radio Assn
21 MHz	K3RV	Kenwood Employees Amateur Radio Club, WD6DJY
28 MHz	K4JRB	Windsor Amateur Radio Club
QRP	K3WS	Woodbridge Wireless—KA2TPA & KZ2E
Multioperator		
Single Transmitter	K3TUP	Kenwood Employees Amateur Radio Club, WD6DJY
Two Transmitter	KX4S	Kenwood Employees Amateur Radio Club, WD6DJY
Unlimited	W3LPL	Western New York DX Assn—W2RR

us "suffering sevens" can't match the Eastern half of the US for mults (K7LXC). Dead band conditions from 0600 to 1330 daily greatly reduced the score (ZS6USA). Although conditions were very poor, I enjoyed the contest very much (JA1XAF). I hope the conditions are better for next year's contest (JH7XGN). Because the propagation between the US and Ogasawara wasn't very good, all my contacts were on 40 meters (JM1WZP/JD1). Nature provided one of her great miracles Sunday evening with a magnificent opening to the States. We haven't experienced such exciting conditions in the Middle East in over a year. Who says there's no great DXing during a sunspot minimum? (4X6IF). I was invited to a party Saturday night and had to appear there. My physical condition afterwards allowed only 7 hours of operation, then I was closed down and fell into a deep sleep (although 40 and

80 were still open). I missed the alarm and woke up some time in the afternoon after 20 had been open for 3 hours (DL6FBL). This contest was very educational, especially in training to set up my antennas. I wasn't able to work the whole time because the bad WX caused my antenna to break four times. Anyway, I really enjoyed the contest (DL1HCM). The lonely wait for an opening was rewarded with W0HRU, my first ever SD! (EI3DP). Just been looking back in my first contest logs of 1939, and none of the calls appeared in this year's log! With 40 years of participation, it's still enjoyable! (GW3JI). In general, very bad conditions this year. Eighty was in good shape just a half an hour before the end of the contest (HB9AGA). It was again my great battle against powerful stations and poor conditions. I enjoyed the contest very much and kept the QRP flying! (OK1DKR). Very

hard job with a QRP rig against EU KWs. See you again next year with the dwarf rig against the giant powers! (OK2PAW). Forty was by far the best band, 10 was dead, and 80 was noisy with JAS audible at times (VP2APK). A bit different from my first contest in 1931/1932. There was time to exchange pleasantries then (VK2DID). The QRN on 160 was a problem in getting better results (RA0FA). Hats off to American amateurs and many thanks to the European amateurs who showed such fine discipline in keeping all channels clear of QRM during the QRP contacts!! (4X6IF). Fine 15-meter propagation (EA5FHE). Once again a very enjoyable contest, a pleasure to work so many enthusiastic operators. If this is a time of low sunspots, I can't wait for the maximum years! (G4XKR). It was a pleasure to work stations in the US and Canada, as their general operating standards are very good. I may be placed last in the single-band-results table, but this is of secondary importance, as I believe that taking part in a contest is where much of the enjoyment lies (G4XOM).

Special Plaque Winners

Single Operator	Winner	Donor
WVE Operator Combined Score	K3ZO	National Contest Journal
WVE Low Power, Combined Score	VO1MP	Rochester DX Assn
Africa, Combined Score	ZS6USA	Tom Gregory, N4NW
Arizona (CW)	K7OX	Central Arizona DX Assn
Arizona (Phone)	K7OX	Central Arizona DX Assn
Atlantic Division (CW)	W3GRF (K0DQ, opr)	K2NY Memorial—Salt City DX Assn
Fifth Call Area (CW)	K5NW	W5GO Memorial—Red Stick DX Assn
Great Lakes Division (Phone)	WD8IXE	Livonia Amateur Radio Club
Great Lakes Division (CW)	W8LNO	Livonia Amateur Radio Club
Japan (Phone)	JH7DNO	Western Washington DX Club
Southeastern Division (Phone)	WX4G	Robert Garlough, KB4WU Memorial
USSR All-Band (Phone)	UQ1GWV	K1KI, WA2VUY, NC5K, KA6V, AA6BB, NE8K, W0ZV
USSR All-Band (CW)	UW0LT	K1KI, W1DA, W3XU, WB4TDH, NC5K, KA6V, W9LOF, W0ZV
Caribbean Multi-Single (Phone)	ZF2HI	W5MYA
Caribbean Multi-Single (CW)	P40M	The YASME Foundation
Multi-Multi Combined World	W3LPL	W2PV Memorial

FEEDBACK

Please note the following corrections to the results of the 1985 ARRL International DX Contest starting on page 78 of October 1985 QST.

On CW, N7IR's CW line score should have read 69,630-211-110-A MDC. K6DR should have been listed in the Sacramento Valley Section. W6JTI was the first place scorer in SF and W6NKR the second place winner in SV. A15P/TF's line score should have read A15P/TF 89,554-328-91-B.

On Phone, VP2EAG replaces HC1HC as the 20-m single-band winner. His score should have read 486,528-2896-56-C-20. KC7QP's 20-m single-band score was listed as an all-band entry. His score should have read 11,193-91-41-C-20. Frankford Radio Club's Phone winner was W3BGN.

Scores

The scores are listed by mode—phone and CW. For both WVE and DX scores, single operators are listed first, followed by multioperator single transmitter, multioperator two transmitter, then multioperator unlimited. WVE single transmitter scores are broken down by call area and ARRL Section. WVE multi-single scores are broken down by call area only. All WVE multiop two-transmitter and unlimited scores are grouped together in descending order by score. DX single-op and multiop scores are broken down by continent and country. Under each ARRL Section (and country for DX), single-op scores are listed in descending order by category. All-band scores are listed first, followed by 160, 80, 40, 20, 15 and 10-meter single-band scores. Each line score lists the following information: call, score, QSOs, multipliers, power output used (A = 10 W, B = 11-150 W, C = more than 150 W). The first station in each category (other than all-band) has a designator following the power indicator. Single-band entries are indicated by 160, 80, 40, 20, 15 and 10. For example, in Connecticut, the top all-band phone scorer is K1KI. The top low-power (150 W or less) entrant is KG1D. KM1R has the top 80-meter single-band score, KS1L has the top 20-meter single-band score, and K1EFI has the top 15-meter single-band score. There were no QRP entrants.



WVE Phone

1

Connecticut

K1KI	1,885,482	1922-326-C
W1QK	252,300	580-145-C
WA1LVW	164,832	404-136-C
KG1D	117,558	311-126-B
K1IN	80,712	236-114-C
K8HVT	78,084	241-108-C
N1CC	72,000	200-120-B
K1MR	57,120	272-70-C
KA1ION	55,296	192-96-B
W1DO	30,000	100-100-C
N1JW	20,862	114-61-C
K1ZZ	14,742	91-54-C
KB1Z	12,000	80-50-B
WA2WIP	10,452	67-52-B
KM1R	17,808	112-53-C-80
KS1L	459,510	1445-106-C-20
W1WEF	337,737	1093-103-C-20
K1YXG	37,224	188-66-C-20
K1BV	13,440	112-40-C-20
K1DSQ	6,552	78-29-B-15
K1EFI	48,618	219-74-C-15
WA1FCN	36,900	205-60-B-15

Eastern Massachusetts

KS2D/1	1,134,027	1299-291-C
K1VR	909,468	1203-252-C
W1CWU	331,788	643-172-C
K5MA	171,828	444-129-C
W1FJ	144,480	430-112-C
A13E	42,966	154-93-C
W1AX	30,000	100-100-C
W1IHN	29,400	100-98-C
W1DOH	25,752	148-58-C
NC1M	15,087	107-47-C
K1MEM	6,000	50-40-C
W1PLJ	3,483	43-27-C
AB1A	2,304	32-24-C-160
KA1EKR	20,124	129-52-B-20

Maine

KB1VZ	759	23-11-B-10
-------	-----	------------

New Hampshire

K1DG	1,242,774	1469-282-C
AK1A	793,914	1046-253-C
W1RR	91,125	243-125-C
K1TR	8,694	69-42-C
AC1J	1,863	27-23-B
KM1H	48,300	230-70-C-80
KE1E	2,457	39-21-B-20

Rhode Island

K1IU	721,752	986-244-C
K1VSJ	206,016	464-148-C
K1HMO	106,926	251-142-C
KS1J	25,179	109-77-B
W1RFQ	10,044	62-54-C
K2MN	351	13-9-B-20
KZ1A	2,940	35-28-B-15

Vermont

K1HKI	80,027	187-107-C
W3SOH	41,580	154-90-B
KD2EN	7,503	61-41-B

Western Massachusetts

KB1W	203,175	525-129-C
NC1B	7,140	70-34-B
KA1KPH	27	3-3-B
KA1XN	41,391	189-73-C-80
WA1ZAM	168	8-7-C-80
W1GG	139,680	582-80-C-20
KR1R	408	17-8-C-10

2

Eastern New York

K2TR	379,200	632-200-C
KY2J	208,590	409-170-C
N2AIF	132,729	293-151-C
W2XL	125,286	314-133-C
W2KHQ	41,796	162-86-B
W2GKZ	27,324	132-69-C
KA2VZW	11,550	77-50-C
W2DW	11,466	78-49-C
WA2AXK	8,979	73-41-C
K2XA	5,400	50-36-C
K1ZM	8,400	70-40-C-160
K2EK	54,315	255-71-C-80
KR2J	476,043	1483-107-C-20
K2IBW	82,824	406-68-C-20

NYC & Long Island

KA2MXO	225,307	509-141-C
K2YGM	59,100	197-100-C
NN2F	52,416	208-84-C
W2MOY	50,196	188-89-C
WB2RNT	20,907	101-69-C
NN2C	20,085	103-65-B
N2FYA	12,825	95-45-B
W2GGE	8,316	63-44-C
N2FIG	147	7-7-C
KA2WLI	108	6-6-C
KD2RD	17,658	109-54-C-40
K2MFY	50,301	243-69-B-20
WA2OVG	2,574	33-26-B-20
K2HPG	756	18-14-C-20
WA2HQB	1,440	30-16-C-15
WB2AMU	360	12-10-B-15
K2OVS	2,295	45-17-B-10

Northern New Jersey

N2LT	1,237,698	1463-282-C
W2RO	721,746	1191-202-C
W1GD	192,884	392-164-C
WA2VUM	115,056	408-94-C
KY2P	100,224	261-128-C
N2CS	63,480	184-115-C
K0DI	62,604	222-94-C
K3FNW	59,058	193-102-B
W2HAJ	49,551	199-83-B
K2BK	42,558	173-82-C
W9NTU	30,336	158-64-B
W2PHW	29,799	129-77-C
KT2D	3,528	42-28-B
W2FCR	1,425	25-19-C-160
N3AHF	9,240	70-44-C-80
WB2HJW	969	19-17-C-80
WA2IFS	3,078	38-27-C-40
N2AA	454,215	1415-107-C-20
WA2ASQ	11,040	80-46-B-20
K4BNC	21,450	130-55-C-15
WB2DND	1,248	26-16-B-15

Southern New Jersey

N2RM	1,074,840	1352-265-C
N2MM	978,600	1165-280-C
K8XR	546,165	795-229-C
K2FL	238,680	442-180-C
K2JLA	195,891	391-167-C
N2MR	195,624	418-156-C
N2SS	188,856	366-172-C
NJ2D	84,501	229-123-C
W2PAU	76,581	201-127-C
K2OWE	69,300	210-110-C
WA2OOS	55,596	226-82-C
N2YW	28,548	122-78-C
W2FGY	25,404	116-73-C
N2DN	12,798	79-54-C
WB2ERI	8,514	66-43-C
WB2UVB	4,950	50-33-B
WA2VYA	810	18-15-B
WA2AWS	429	13-11-A
KZ2I	12,555	93-45-C-80
NC2V	8,190	78-35-C-40
KA2JMM	49,344	257-64-C-20
AB2Y	3,750	50-25-C-20
W2CN	3,024	42-24-C-20
N2CQ	960	20-16-C-20
W2EA	726	22-11-B-20

Western New York

W2TZ	233,070	457-170-B
W2FXA	183,057	379-161-C

KB2WN	121,695	305-133-C
KB2SE	25,560	120-71-C
KK2B	21,012	103-68-B
W2FUI	18,720	104-60-B
W2PHT	18,339	97-63-B
NA2Q	11,220	68-55-B
W2SNI	5,700	50-38-B
W2HG	3,552	37-32-C
WA2JBV	363	11-11-B
NG2X	11,205	83-45-C-80
W2HZ	9,636	73-44-C-80
K2VZ	625,485	1813-115-C-20
NI2T	58,179	451-43-C-20

3

Delaware

AA1K	555,093	693-267-C
W3NX	165,330	330-167-C

Eastern Pennsylvania

KT3M	1,273,440	1516-280-C
KJ3R	322,095	545-197-C
W3DHM	272,454	499-182-C
WB3CIW	229,773	401-191-C
WB3FYL	226,233	441-171-C
KA3DSW	162,792	357-152-C
N3NBA	148,347	311-159-C
W3EVW	138,450	325-75-C
AD3Z	109,980	260-141-C
W3ARK	102,600	300-114-B
W3OV	91,242	274-111-C
KN3S	76,518	218-117-C
W3KV	73,080	210-116-C
N3CHL	68,670	218-105-C
N3RW	54,372	197-92-C
KC3NO	29,952	128-78-B
N3HW	28,710	145-66-C
KC3AF	26,847	157-57-B
N3CIX	25,056	116-72-B
KA3NJA	16,038	99-54-B
WB3EPW	14,790	85-58-C
W3YFV	11,760	80-49-C
KA3LCF	10,578	82-43-C
K3IPK	10,458	83-42-B
K3DYX	7,254	62-39-C
K3ZLK	4,512	47-32-B
W3IQS	4,278	46-31-C
KA3JHJ	4,050	45-30-B
KA3OAX	720	16-15-B
W3FTG	75	5-5-B
KQ3V	20,955	127-55-C-80
K3WGR	13,824	96-48-C-80
AI3Q	61,308	262-78-C-20
KI3N	14,994	119-42-C-20
WA3JXW	720	20-12-C-20
WB3FPA	12,804	97-44-B-15

Maryland-DC

K3ZO	1,510,758	1662-303-C
N2FB	1,289,238	1423-302-C
K3ZJ	768,687	997-257-C
W3UJ	286,836	583-164-B
K3WS	158,928	344-154-A
WB3BRF	61,800	206-100-B
KD6WX	20,736	108-64-B
K3WX	18,483	101-61-C
W3JPT	4,524	52-29-B
W6AXX	4,182	41-34-C
K3NA	29,388	158-62-C-80
W3EE	2,250	30-25-B-20
K3TW	14,766	107-46-C-15
W3PWO	4,158	63-22-C-10

Western Pennsylvania

K3MD	195,615	405-161-C
W3CV	25,764	113-76-C
W3HRF	24,735	97-85-C
K3UA	2,139	31-23-C-160
AD8J/3	18,648	111-56-C-20
W3FGS	11,193	91-41-B-20
KA3BTH	1,080	24-15-C-10
WA3CGE	1,080	30-12-C-10

4

Alabama

AA4LE	97,464	248-131-C
KB4FAI	27,258	118-77-C
WA4VEK	1,512	28-18-C-20

KSRY	495	15-11-B-15
------	-----	------------

Georgia

WX4G	1,217,640	1390-292-C
WB2F/4	761,388	947-268-C
KX4R	347,976	537-216-C
W1UA	160,821	321-167-C
KA4E	122,292	316-129-C
NO4I	102,368	242-141-C
W14R	90,360	251-120-C
W4DXI	82,875	221-125-C
W4MGX	80,304	239-112-C
K4PI	74,676	196-127-C
W9KT/4	65,205	207-105-B
K4BAI	54,540	202-90-C
KC4GR	33,396	121-92-C
K4GKV	30,336	128-79-C
KE4XY	15,045	85-59-C
K4TEA	630	15-14-C-160
W4OWY	11,178	81-46-C-40
K3KG	293,436	836-117-C-20
N4VZ	80,100	300-89-C-15
W4UYC	8,190	78-35-C-15
WN4S	8,040	67-40-C-15
K4JRB	18,759	169-37-C-10

Kentucky

WB4FOT	35,607	143-83-C
--------	--------	----------

North Carolina

KF4HK	258,032	508-168-C
K2SD	38,070	135-94-C
WB3GCG/4	5,724	53-36-C-160
N4SU	3,600	40-30-C-160
W4UW	2,684	37-24-C-15

Northern Florida

W4WQK	101,517	247-137-C
WA4SVO	27,072	141-64-B-80
WC4E	33,630	190-59-C-15

Southern Florida

W4BV	119,472	262-152-C
K8UNP	64,074	181-118-C
WK4F	44,982	153-98-C
W4PC	13,680	80-57-C
WA4UBC	13,158	86-51-C
W2SDB/4	2,340	30-26-C
KB4HGV	1,320	22-20-B
W4BAA	1,008	21-16-C-160
W4PZV	6,882	62-37-C-20
W4YN	6,660	60-37-C-20
N4BP	68,373	321-71-C-15
N4EJW	23,010	130-59-C-15
K4MF	15,933	113-47-B-15
N4EJV	3,060	51-20-C-10
K0FD	1,368	38-12-B-10

Tennessee

K4JHT	85,344-	254-112-B
AA4MN	64,515-	187-115-C
KB4HU	46,206-	151-102-C
KE4HX	36,084-	194- 62-C-15

N6LL	12,834-	93-46-C	KB7VD	37,674-	182-69-A	W0BWW	7,371-	63-39-C	W2RR (K2UD,KA2s AJT,VYW,WIK,W2KKZ,WA2s AOG,DSC,MBM,WB2s ABD,CJL,IVO,opr)	419,016- 632-221-C
N6IBP	12,360-	103-40-B	W7QN	29,172-	143-68-C	W6JUA/0	3,456-	48-24-C	WA2LQO (K2DOD,W2DKM,opr)	289,938- 506-191-C
WA6LOD	9,120-	76-40-B	WA7STA	11,934-	102-39-B	W6GOQ	1,008-	24-14-C	W2UI (+opr)	185,484- 377-164-C
WA6BW	8,370-	93-30-C	W7IIT	4,941-	61-27-B	W6ZV	4,437-	51-29-C-16C	K2TD (+opr)	139,965- 301-155-C
KF6TG	7,992-	74-36-B	K7DS	3,780-	45-28-C	W0KEA	3,332-	44-26-C-16C	W2VJN (+N2BA)	66,144- 208-106-C
KG6O	6,240-	65-32-B	N7FTL	2,583-	41-21-B	ND0E	8,208-	76-36-C-80		
W6JII	5,952-	64-31-B	K7TG	2,280-	38-20-C-80					
KK6P	2,784-	32-29-C	N7TT	280,872-	996-94-C-20	Iowa				
W6CBA	621-	39-23-B	N7RO	102,837-	581-59-C-20	NG0W	305,184-	544-187-C		
W6OK	32,250-	215-50-C-20	WA7GVM	46,312-	244-66-C-20	W0PLS	39,093-	157-83-C		
JA6CVK/W6			KD7IK	46,656-	324-48-C-20	K0GT	36,354-	146-83-A		
	180-	12-5-C-20	W7LVI	36,234-	198-61-C-20	W0PPF	34,425-	153-75-C		
W6RZ	48-	4-4-C-20	W7BQG	1,800-	50-12-B-20	W0VX	26,937-	123-73-C		
K6SVL	97,980-	460-71-C-15	K9GYW	1,260-	28-15-B-15	KA0SSZ	13,923-	91-51-C		
W8AKS/6	3,672-	51-24-C-10			KA0HIB	13,860-	84-55-B			
			Wyoming			WA0DCB	6,993-	63-37-C		
Orange			KB7M	2,244-	34-22-A					
W6TMD	240,408-	504-159-C				Kansas				
AB6R	161,916-	524-103-C				WA0TKJ	236,964-	403-196-C		
WN6J	19,278-	153-42-C	Michigan			W0BISW	79,650-	225-118-C		
W6HT	17,820-	110-54-C	WB1RK	21,696-	113-64-B	K0VXU	58,647-	173-113-C		
K6LEB	7,884-	73-36-C	N8CQA	15,921-	87-61-A	N1BS	8,910-	66-45-C		
NM6L	8,217-	83-33-C-20	WBVSK	816-	17-16-A	AB0X	4,200-	50-28-C-80		
			W8TWA	110,079-	453-81-C-20	KB0U	10,206-	81-42-C-40		
Santa Barbara			K8KUH	11,931-	97-41-C-20	Minnesota				
W2KVA/6	46,989-	227-69-C	N8ERV	2,550-	50-17-C-20	N8AT	215,670-	455-158-C		
N6VR	14,274-	122-39-C	KBNA	20,670-	130-53-C-15	W0LP	14,469-	91-53-C		
			Ohio			W0BJP	10,665-	79-45-B		
Santa Clara Valley			WD8IXE	242,784-	562-144-C	W0NGB	3,306-	38-29-B		
K6XO	129,837-	383-113-C	K8MR	193,776-	367-176-C	Missouri				
W6SZN	126,000-	420-100-C	WA8BIN	186,252-	374-166-C	K4VX (KR0Y,opr)				
K6LY (K0EJ,opr)			WA8AGH	35,028-	139-84-A		1,028,160-	1071-320-C		
	90,300-	430-70-C	W8DWP	21,300-	100-71-C	W0HBH	274,620-	460-199-C		
K6ITL	84,456-	276-102-C	KA8PKK	21,105-	105-67-B	K0FL	129,987-	303-143-C		
N6AN	76,923-	259-99-C	W8UPH	7,938-	63-42-C	W0NOK	60,903-	201-101-B		
WA6TKT	46,740-	205-76-C	WBIMF	6,612-	58-38-C	W0FSJ	38,304-	152-84-C		
KG6AM	13,356-	84-53-C	N8EKS	6,450-	50-43-C	K0LX	25,986-	122-71-C		
K8RQ	12,960-	90-48-C	K8EF	6,348-	46-46-C	KM0L	24,840-	115-72-C		
N6NF	10,413-	89-39-C	WA8IMF	5,304-	52-34-B	N1BG	24,255-	105-77-B		
W6YVK	5,382-	69-26-A	W8IDM	1,320-	22-20-B	W0PKO	14,256-	88-54-C		
W6ZKM	3,108-	37-28-C	AD8C	17,901-	117-51-C-40	KA0USO	7,920-	55-48-B		
W6ISQ	2,430-	30-27-C	W8DQDQ	6,195-	59-35-C-40	K0CS	1,350-	25-18-B-80		
W6GI	49,995-	303-55-C-20	W8LT (K3JT,opr)	22,137-	157-47-C-20	K0FW	3,042-	39-26-C-20		
W6HXW	17,100-	100-57-C-20	N8BC	2,337-	41-19-C-20	North Dakota				
K6MA	5,220-	58-30-C-20	KA8OUT	1,514-	36-14-B-20	K0CU	63,300-	211-100-C		
			W8KTM	126-	7-6-B-15	Nebraska				
San Diego			West Virginia			K0SCM	146,016-	338-144-C		
W6MKB (N6JJ,opr)			W8VEN	15,138-	87-58-C	N0FYM	43,326-	166-87-B		
	1,095,687-	1503-243-C	N8JN	7,826-	62-41-B	W1VY	20,085-	103-65-C-20		
N6ADK	88,275-	275-107-B	N8II	7,980-	76-35-B-40	South Dakota				
W6OKK	79,254-	238-111-C		206,094-	701-98-C-15	W0BHV	24,570-	126-65-B		
W6LUN	21,879-	143-51-C	Illinois			K5LZT	60-	5-4-B		
WN6L	18,564-	119-52-B	KM9L	149,202-	307-162-C	Maritime-Newfoundland				
N6JMV	7,854-	77-34-B	KC9UM	108,540-	268-135-C	VE1NG	720,390-	1298-185-B		
K6MC	5,544-	56-33-C	W8JKI	86,842-	221-134-C	VO1MP	315,882-	654-161-B		
WA6VNR	1,680-	28-20-C-80	W0GIG	64,935-	195-111-C	VO1AW	14,400-	100-48-C		
AA6EE	990-	30-11-B-20	KV9S	38,412-	132-97-C	VE1CBF	13,650-	91-50-A		
AA4M	78,336-	408-64-C-15	W8LYN	24,750-	110-75-B	VO1QU	37,800-	225-56-B-20		
			W8TNZ	18,786-	101-62-B	VE1AGZ	14,715-	109-45-C-40		
San Francisco			KC9DL	16,554-	89-62-C	VE1BNN	7,740-	86-30-C-10		
W6ZQK	714-	17-14-B	KD9KN	11,628-	76-51-C	Quebec				
K6LRN	855-	19-15-B-20	WA9ZQJ	10,350-	69-50-C	VE2AYU	257,424-	496-173-C		
NJ6P	17,028-	129-44-C-15	W9ZGQ	9,333-	61-51-B	Ontario				
			W9LNP	9,288-	72-43-B	VE3XN	570,726-	813-234-C		
San Joaquin Valley			N9CWI	4,620-	44-35-C	VE3ST	144,615-	311-155-C		
KA6BIM	184,032-	432-142-C	WB9HYA	3,813-	41-31-C	VE3IY	81,000-	250-108-C		
N8BJU	22,500-	125-80-C	KG9Z	432-	12-12-C	VE3CWE	18,240-	80-76-C		
W6BYH	22,080-	115-64-C	KE9U	5,508-	54-34-C-80	VE3GRA	11,040-	92-40-B		
KB6KKL	8,694-	69-42-C	K8SU	1,500-	25-20-C-80	VE3CUI	300-	10-10-C-40		
N6OT	5,400-	60-30-C	W9BW	1,500-	25-20-C-80	VE3NBE	96,672-	424-76-C-20		
			W9CH	16,350-	109-50-C-40	VE3NXQ	20,574-	127-54-B-20		
Sacramento Valley			WB9HAD	145,914-	586-83-C-20	VE3NYT	5,445-	55-33-B-20		
N6QR	498,405-	745-223-C	K9RHY	91,512-	328-93-C-20	VE3FWQ	5,037-	73-23-C-10		
K6DR	200,079-	473-141-C	W9NUF	52,320-	218-80-C-20	VE2AEJ/3	726-	22-11-B-10		
K6SG	198,006-	541-122-C	K9UIY	8,640-	72-40-B-20	Manitoba				
N6JM	300-	10-10-B	KR9G	6,318-	81-26-C-10	VE4JK	95,700-	319-100-C		
A16V	100,548-	532-63-C-15	Indiana			Saskatchewan				
			W9RE	1,241,280-	1293-320-C	VE5RA	249,912-	534-156-C		
7			WA9NPM	65,934-	198-111-C	British Columbia				
Arizona			NE9I	48,327-	181-89-C	VE7AAQ	110,250-	350-105-C		
K7OX	364,182-	667-182-C	K9JS	46,035-	155-99-C	VE7FJE	81,003-	403-67-C		
W7AYY	89,145-	283-105-C	NE9O	45,792-	159-96-C	VE7EIK	34,580-	258-45-C		
K7CE	22,968-	132-58-B	W9PC	30,573-	129-79-C	VE7FTC	25,857-	189-51-B		
N7BD	9,135-	87-35-C	K9CFK	28,567-	127-77-C	Multioperator				
W7ATK	5,148-	52-33-A	K9VCK	27,216-	126-72-C	Single Transmitter				
KX7J	5,040-	60-28-C	N2BVJ/9	47,328-	232-68-C-20	1				
W7NWL	540-	15-12-A	Wisconsin			AK1L (+KA1X)				
KC7V	54,450-	242-75-C-15	N8ER	125,685-	285-147-C		591,528-	1006-196-C		
			N8BC	104,250-	278-125-C	K1WA (+K1DM)				
Montana			W9GXR	60,996-	221-92-C		466,242-	653-238-C		
KS7T	98,226-	321-102-C	NG9L	32,076-	132-81-B	K51N (+KA1KF,K81EK,WB1EYL)				
K7ABV	69,084-	303-76-C	W9HHRO	27,216-	126-72-C		227,808-	452-168-C		
			N1RC	12,561-	79-53-B	2				
Nevada			W9QFX	10,350-	69-50-B	WB2ULI (+N2BOW)				
KC7DB	40,545-	159-85-C	N9DMG	5,100-	50-34-B		1,020,672-	1329-256-C		
WB7VH	3,096-	43-24-C	W9YCV	3,069-	33-31-C	KU2Q (+K5NA,KA2ZP)				
N7NV	18-	3-2-B	N9DHG	1,428-	28-17-B		784,508-	926-286-C		
			N9BUS	5,985-	57-35-C-40	K2NJ (+KU2C,KY2O,N2CKC,WA8DSQ)				
Oregon			W9OP	65,268-	294-74-C-20		723,216-	988-244-C		
W7YAO	60,066-	213-94-B	W9GIL	33,660-	187-60-C-20	K2UR (+NJ2L)				
W7GUR	55,704-	211-88-C	K09L	25,398-	166-51-C-20		447,387-	757-197-C		
AD7T	26,250-	125-70-C	Colorado							
W7FP	13,536-	141-32-C-40	N2C10	537,510-	943-190-C					
W7TWL	828-	23-12-C-40	K0XL	58,800-	200-98-C					
AG7M	70,980-	338-70-C-20	W0SK	55,146-	202-91-C					
W7MLJ	39,204-	198-66-B-20	K1G	37,989-	189-67-C					
			K0GAS	37,386-	186-67-C					
Utah			K1G0	24,882-	143-58-C					
W7HS	68,052-	214-106-C								
W7MFU	24,180-	124-65-B								
WA7QCC	18,025-	119-45-B								
N7HJ	2,442-	37-22-B								
WA7TUX	576-	16-12-A								
Washington										
NN7L	108,540-	402-90-C								
K7DZ	86,688-	258-112-C								

JF4GJB 7,383- 107- 23-C-20
JA1WSK 6,439- 103- 21-A-20
JA2JSF 6,111- 97- 21-A-20
JA6IP 5,834- 86- 23-B-20
JA1BNW 3,780- 70- 18-C-20
JA1VZM 3,564- 66- 18-B-20
JA6AKV 1,710- 38- 15-B-20
JA0CGJ 1,014- 26- 13-C-20
JA0VHI 504- 21- 8-B-20
JM1LRQ 420- 14- 10-B-20
JA7PCH 399- 19- 7-B-20
JA4PA 252- 14- 6-B-20
JA6RHH 240- 10- 8-B-20
JR4ISK 84- 7- 4-B-20
JA9RPU 4,860- 135- 12-B-15
JH1OBS 2,304- 64- 12-B-15
JH7WKQ 2,016- 84- 8-C-15
JE7HFQ 819- 39- 7-B-15
JA1QXC 504- 42- 4-B-15
JA8UJY 405- 27- 5-B-15
JA1AAT 84- 14- 2-B-15
JA3BBG 45- 15- 1-B-15
RA0FA 147,096- 681- 72-B
UW0MF 136,827- 661- 69-B
UA8ZDU 2,910- 97- 10-B-80
UW0CV 4,365- 97- 15-B-20
UA9FM 2,346- 46- 17-B-20
UG6JJ 12- 2- 2-B-20
RM8MA 1,014- 26- 13-B-20
4X6IF 7,161- 77- 31-A

Europe
CT4AKU 287,676- 786- 122-C
CS7AHU (CT1AHU,opr) 32,193- 219- 49-B
CT1DIZ 10,200- 100- 34-B
CT1UO 2,100- 50- 14-C-20
CR8TM (CT1TM,opr) 12,600- 140- 30-B-15
CR2EX (CT4EX,opr) 2,160- 40- 18-B
CU2AF 396- 12- 11-B-160
CU2AN 297,165- 1801- 55-C-20
DL4UE 4,416- 64- 23-B
DL6RAI 10,368- 128- 27-C-80
DL3JH 71,136- 494- 48-C-20
DL3ZBJ 8,400- 100- 28-B-20
DL1MDW 3,249- 57- 19-B-20
DJ0BX 2,352- 56- 14-B-20
DJ3GE 1,911- 49- 13-B-20
DL8AAM 567- 21- 9-B-20
EA2QU 566,244- 1284- 147-C
EA3CCN 436,392- 1254- 116-C
ED1CI 261,360- 968- 90-B
EA3BOX 238,329- 873- 91-C
EA2SKT 41,420- 229- 60-B
EA1AW 15,729- 107- 49-B
EA3ELM 8,280- 92- 30-B
EA3DCL 7,446- 73- 34-C
EA2BMA 7,245- 69- 35-C
EA48KE 58,515- 415- 47-C-20
EA3IN 13,068- 132- 33-B-20
EA5ELI 2,376- 44- 19-B-20
EA5AOJ 198- 11- 6-B-20
EA7AVU 74,718- 593- 42-C-15
EA5FCP 20,988- 212- 33-B-15
EA1FHT 3,906- 62- 21-B-15
EA5FHE 3,278- 52- 21-B-15
EA3CSK 2,046- 31- 28-B-15
EA6TC 15,996- 172- 31-B-20
E18AU 6,000- 80- 25-B-20
FE6ZU 168,696- 568- 99-C
F6BEE 74,018- 257- 96-B
F6BVB 20,010- 145- 46-B
FE6DRP 17,400- 145- 40-B
F6PGP 14,847- 101- 49-B
F91YZ 12,792- 104- 41-B
FD1HWB 7,128- 88- 27-A
F6CLM 4,500- 60- 25-B
FD1JBZ 450- 15- 10-C
F6CTT 406,812- 2338- 58-C-20
G20T 115,200- 480- 80-C
G3SJJ 5,124- 61- 28-C
G4GIR 3,432- 52- 22-B
G4BWP 259,782- 1493- 58-C-20
G4XKR 70,200- 468- 50-C-20
G4XOM 2,898- 46- 21-B-20
GM4WEW 13,824- 144- 32-B-20
GW4BLE 654,456- 1628- 134-C
HA8XX 11,321- 107- 35-B
HA6UNX 3,780- 36- 35-B
HG7B 13,104- 156- 28-C-80
HA2KMR 90,258- 614- 49-B-20
HA5XW 8,343- 103- 27-B-20
HB9CXZ 20,910- 205- 34-C-80
HB9DX 11,160- 120- 31-C-20
HB9DCO 1,530- 35- 15-C-20
IK4CBM 8,370- 90- 31-B
IV3PRK 1,479- 29- 17-B-160
IA4VG 22,032- 216- 34-C-40
IBSAT 5,148- 78- 22-C-40
I4RYC 270,180- 1580- 57-C-20
IN3XUG 36,900- 300- 41-C-20
I2TZK 30,444- 236- 43-C-20
IK2AEQ 22,914- 201- 38-B-20
IK1BBC 16,956- 157- 36-C-20
IC4SP 14,040- 130- 36-B-20
ISGCA 13,959- 141- 33-C-20
IK1DYU 3,240- 60- 18-B-20
IS0YY 27,720- 280- 33-C-15
IK2GSN 24,255- 245- 33-B-15
JW8E 11,825- 125- 31-C-20

LA4HW 8,343- 103- 27-C
LA8DY 2,250- 50- 15-C-20
LA3JA 1,566- 29- 18-C-20
LA0DY 408- 17- 8-B-20
LX1WW 13,689- 117- 39-B
LZ2PO 6,417- 69- 31-A
LZ2VP 1,767- 31- 19-C
LZ1KWS 189- 9- 7-A
LZ1BJ 3- 1- 1-C-80
LZ2KZA (LZ2ESZ,opr) 4,851- 77- 21-B-20
LZ2QV 4,161- 73- 19-B-20
LZ2KDP 594- 18- 11-C-20
LZ1WY 144- 8- 6-B-20
LZ1BY 5,220- 87- 20-B-15
LZ2EW 5,214- 79- 22-A-15
OE1WWL 7,992- 74- 36-C
OH2KI 720- 24- 10-C
OH6FY 26,325- 225- 39-C-20
OH2BYS 4,416- 64- 23-B-20
OH1PY 4,290- 55- 26-C-20
OH3HS 406- 47- 9-B-20
OH1ZAA 216- 12- 6-C-15
OK1KZ 9,998- 98- 34-B
OK1DMA 5,544- 66- 28-B
OK6DX 239,946- 1379- 58-B-20
OK3KII (OK3CDV,opr) 223,551- 1263- 59-C-20
OK2BOL 46,092- 334- 46-B-20
OK1DKS 10,656- 111- 32-A-20
OK1JPH 8,526- 98- 29-B-20
OK1AJN 6,768- 94- 24-B-20
OK1AGN 6,000- 100- 20-C-20
OK1KAY 870- 29- 10-B-20
OK1AGA 405- 15- 9-B-20
OK2SWD 2,448- 48- 17-B-15
OK3YCA 1,638- 39- 14-B-15
ON8BK 139,536- 646- 72-C
ON8WN 4,602- 59- 26-B
ON8TX 3,672- 51- 24-B
ON4JJ 1,008- 24- 14-A
ON4ALL 2,508- 44- 19-B-80
ON5FV 231- 11- 7-B-15
OZ1BTE 70,560- 420- 56-C
OZ1FTE 1,581- 31- 17-C-80
OZ7HT 84,672- 504- 56-B-20
OZ5EV 5,400- 60- 30-C-20
OZ1DPW 2,832- 59- 16-B-20
OZ1INN 2,448- 51- 16-B-20
OZ1AXG 2,166- 38- 19-C-20
OZ7SG 1,392- 29- 16-B-20
OZ8T 120- 8- 5-B-20
PA3AAN 53,019- 411- 43-C
PA0DUU 14,592- 128- 38-B
PA3BDK 6,612- 76- 29-B
PA3DDO 122,271- 769- 53-C-20
PI4KST 26,691- 217- 41-B-20
PA0QX 10,296- 132- 26-C-20
PI1GOE 2,646- 49- 18-B-20
PA3DJC 3,990- 70- 19-B-15
SM5ALJ 1,710- 38- 15-B-20
SM0BDS 1,275- 25- 17-B-20
SM5AAY 756- 21- 12-B-20
SM7TV 412- 16- 9-B-20
SM5DAC 180- 10- 6-B-20
SM6FJY 180- 10- 6-C-20
SP9MQH 111,033- 507- 73-B
SP9KMM (SP7MTH,opr) 14,229- 153- 31-B-20
SP2EXN 4,731- 83- 19-C-20
SP3BYZ 3,888- 81- 16-B-20
SP6DPV 3,240- 54- 20-B-20
SP6JZG 1,443- 37- 13-B-20
SP9MRO 990- 33- 10-B-20
SP9IWO 924- 28- 11-B-20
TF1PS 1,170- 30- 13-B-20
TF3SD 312- 13- 8-B-20
UB5IFN 54- 6- 3-B-40
UB5UAT 48,363- 343- 47-B-20
RB5DX 9,912- 118- 28-B-20
UP2BO 24,108- 196- 41-B
Y41ZH 6,399- 79- 27-B
Y24SKA 1,620- 36- 15-C
Y23DL 101,760- 640- 53-C-20
Y32KE 35,547- 289- 41-C-20
Y32TE 30,771- 263- 39-C-20
Y44ZK 21,080- 195- 36-B-20
Y54L 5,292- 84- 27-C-20
Y25BL 4,758- 61- 26-B-20
Y43LO 2,805- 55- 17-B-20
Y21WI 1,880- 44- 15-B-20
Y24YH 1,404- 36- 13-C-20
Y36TG 75- 5- 5-B-20
Y08KOD 4,140- 64- 23-B
Y09DHZ 1,512- 36- 14-B
Y09DIA 1,404- 39- 12-B
Y08KBM 972- 27- 12-B-20
Y09HT 16,554- 178- 31-C-15
YT2W 34,425- 225- 51-B
YU1OWW 3,894- 59- 22-A
YT3A (YU3SO,opr) 234,726- 1349- 58-C-20
YU7ORQ 60- 5- 4-B-15
4U1ITU (KC8ET,opr) 3,528- 49- 24-C

North America
W8KFP/C6A 771,603- 1421- 181-B
FM5CD 145,392- 932- 52-B
H3AMF 247,806- 706- 117-C
H16RCD (H16LC,opr) 84,600- 800- 47-B-20

HP1XHT 3,021- 53- 19-B
KL7LF 156,099- 853- 61-C
AL7CQ 186,006- 1069- 58-C-20
KL7WP 13,225- 152- 29-C-20
KP4FI 549,594- 3214- 57-C-20
K2KTT/PJ7 101,385- 751- 45-B-15
WA1TAE/TI2 576,810- 1131- 170-B
TI2ANL 486,240- 1013- 160-B
TI0RC 9,570- 110- 29-B-15
V3DG (N5DYY,opr) 675,792- 1482- 152-B
VP2MU (K1CLN,opr) 173,469- 1091- 53-B-15
VP5Y (N6EK,opr) 1,852,128- 2832- 218-B
VP5Z (KC2RS,opr) 71,736- 488- 49-B-80
N4SF/VP9 339,090- 890- 127-B
XE1VIC 698,328- 1098- 212-C
XE2NNZ 406,479- 989- 137-C
XE1OX 109,548- 716- 51-C-80
4U1UN (K2GM,opr) 265,842- 1641- 54-C-80

Oceania
A35WZ 292,617- 793- 123-B
K4YT/DU1 4,554- 66- 23-C-20
WB6FCR/KH6 2,398,440- 3634- 220-C
N7NR/KH6 2,158,065- 3315- 217-C
K7SS/KH6 623,103- 1229- 169-A
KH6J 13,938- 202- 23-C-40
WH6W 11,340- 126- 30-C-40
AH6GR 8,343- 103- 27-B-40
KH6CP 54- 6- 3-A-40
K6GSS/KH6 365,400- 2175- 56-C-20
W7PSO/KH6 109,551- 689- 53-B-20
AH6EK 28,314- 242- 39-B-20
K2ZFAE 19,332- 179- 36-C-80
VK3GK 2,376- 72- 11-C-15
KA7KSY/YB8 117- 13- 3-B-40
ZL1ANJ 257,796- 682- 126-C
ZL1IM 3,081- 79- 13-B
ZL1AAS 25,707- 209- 41-C-80
ZL2AFY 6,006- 77- 26-B-80

South America
CE3BFZ 2,409,120- 3360- 239-C
CE6BE 431,604- 2524- 57-C
CP6NU 130,815- 459- 95-B
CX2AAL 112,896- 784- 48-B-10
HC1OT 2,157,813- 3087- 233-C
HC5EA 120,744- 774- 52-B-40
HC1HC 429,039- 2509- 57-C-20
HK3IXJ 87,900- 586- 50-B-80
WB2PSD/HK2 242,385- 1469- 55-C-20
HK3MAE 225,456- 1342- 56-B-15
LU1BR 3,114,993- 4009- 259-C
LU1BT 437,541- 863- 169-C
LU1ABT 82,125- 375- 73-B
LU6ETB 264,132- 1518- 58-C-20
LU1E (LU3AJW,opr) 242,220- 1468- 55-C-10
LU8DPM 153,750- 1025- 50-C-10
OA4ZV 1,031,034- 1514- 227-C
W1BIH/PJ2 87,849- 681- 43-C-10
PP2ZDD 1,592,889- 2381- 223-C
PY4OY 712,746- 1773- 134-C
PT2TE 337,500- 1125- 100-C
PP2ZCP 98,193- 461- 71-C
PY7SSB 87,216- 316- 92-B
ZY5OC 86,496- 346- 93-C-40
PY4VD 6,300- 70- 30-C-20
PS7KM 58,608- 407- 48-B-15
PY4BA 19,320- 161- 40-C-15
K3UOC/YV4 2,804,301- 3501- 267-C
YV6BXN 118,272- 448- 88-B
YV2NY 98,049- 667- 49-C-40
YV6BTF 18,144- 168- 36-C-40
4MSJ (YV5JEA,opr) 123,777- 809- 51-B-20
YV5IAL 78,000- 520- 50-B-15
ZP5XDW 5,760- 96- 20-C-10

Multioperator Single Transmitter
Africa
W6QL/Z2 (+ W6KG) 313,958- 969- 108-B

Asia
JA1YWX (JH1CUP,JH1HJR,JM1MCF, JF2IWL,J2IQT,JR4NIV,JH7PKU,opr) 321,048- 1092- 98-C
JH7YJF (JA7RHJ,JF76 IQA,JOV,JH7s LRS,VFP,XWT,JF76 DHV,FEK,opr) 305,760- 1040- 98-C
JA7YAB (JA7UMT,JA8-380,JF7SVH, JH1NNJ,opr) 284,544- 988- 96-C
JA1YCL (JL1s LNC,QOC,J01GAD, JS1AFY,JH0NOS,opr) 178,848- 738- 81-C

JA7YAF (JE7s IDA,MHM,PPC,RJZ, JG7BBY,opr) 12,636- 156- 27-B
JA2YEF (JF2NFC,J2s LPD,QVF, SIC,opr) 12,462- 134- 31-C
JA1YCG (JN1TEO,J01MMI,JP1NKI, JA5GHQ,opr) 7,575- 101- 25-B

Europe
CQ1BZN (CT1s BZN,CVW,opr) 55,566- 441- 42-C
G4ANT (G4s SDP,WD,opr) 237,048- 1411- 56-C
G3XEP (G3s PSM,VMW,ZGA, G4s ATZ,ULC,opr) 49,500- 330- 50-C
G3HKR (G1PXJ,G4s IUF,PDB,YEK,YGN, ZAT,G0s CJI,CLY,CQW,GH08Z,opr) 22,638- 154- 49-C
GBAGH (+ G4IEB,G6VAT) 16,263- 139- 39-C
HA3KMA (HA3s MN,PF,PQ,RD,RG,opr) 224,322- 763- 98-B
HA1KRR (HA1s DRM,DRR,XO,XU,ZN, ZZ,opr) 212,610- 746- 95-B
HB9AUS (+ HB9s EEX,SFD,HE9s ASD,UZX) 307,692- 924- 111-C
I5NPH (+ I5s MPN,SDG,IK5BAF,I8MPO) 2,270,580- 3692- 205-C
IK2DUU (+ I2UIV) 369,800- 1100- 112-C
I2CZ (+ I2s MYF,QEA,QMU,SLA,-2184, IK2s AGN,AHR,AVH) 77,814- 393- 66-C
OH8AV (OH8s DD,NW,opr) 59,712- 311- 64-C
K8MN/OH0 (+ OH1NX,OH2BH) 58,050- 430- 45-C
OK2KOD (OK2s BDI,BHM,WAZ,opr) 6,375- 85- 25-C
OK1KNC (+ oprs) 405- 15- 9-B
PI4TTC (PA3s CKY,DOX,DZP,EEX,PA0IA, PD0ORP,opr) 6,048- 72- 28-B
SK6TW (SM6s AOU,CPY,DER,DOI,opr) 70,290- 426- 55-C
SP9UOU (SP9s OJB,404KSA,opr) 7,470- 83- 30-B
SP5PBE (+ SP5ELA) 972- 27- 12-B
U6ZLWZ (UA6s 150-1104,150-1240,opr) 29,070- 170- 57-B
UB4QWW (RB5OW,UB4QD,opr) 26,208- 224- 39-B
UB4WZA (+ UB5WBY) 9,720- 90- 36-B
UB4TWL (+ oprs) 1,056- 32- 11-B
UQ1GWW (UQ2s OI,037-83,037-116,opr) 209,196- 894- 78-B
UQ1GXN (UQ2s GID,GKA,GM,GN,opr) 89,358- 562- 53-B
YT3T (YU3s BQ,DE,EIJ,W,opr) 472,440- 1240- 127-C
YU4EXA (YU4s NW,RW,WIA,opr) 391,680- 1088- 120-C
YU4CBC (+ oprs) 1,833- 47- 13-B

North America
AA4NC/C6A (+ AA4GA) 2,071,305- 3015- 229-B
F6HMQ/FM (+ F6HLC/FM) 2,223,570- 3154- 235-C
J34Z (K4LTA,N4s FKO,LHN,MMV, NF5Z,WA8FSX,K08SN,opr) 3,251,745- 3885- 279-C
J87BM (+ J87s BL,BN) 110,880- 616- 60-B
KP4BZ (+ NP4s CC,Z,WP4s D,K) 6,102,816- 6736- 302-C
XE2XGY (K5s JX,TSQ,KD5GY,NA5C, W5VX,opr) 4,307,280- 5480- 262-C
ZF2HI (KZ2E,N4MZJ,W2HPF,WA8TZS, WD4KXB,opr) 6,113,934- 6726- 303-C

Oceania
KH6XX (+ KH6ND,WH6BG) 3,620,910- 4406- 274-C
AH6AZ (+ AH6GR,VE7QO) 91,104- 584- 52-C

South America
LU1VZ (LU1s VD,VK,LU3DXL, LU7VCA,opr) 664,644- 1142- 194-C

Multioperator Two Transmitter
Asia
JA7YAA (JH1MVV,JH1YYN,JE3DDT, JG3s EDV,JRM,JE4KZZ,JE7s HLZ, CQJ,JH7s CVO,HWR, JR7s OMD,PGL, JH0s MRP,ORW,opr) 387,192- 1241- 104-C

JA7YFB (JN1IRON,JE7s JWB,MOY, JF7s AAD,TDN,QGQ, JH7s XKI,XMO, JR7s GYC,JLU,OEJ,RLB,WFH, JH0QNT,opr) 356,076- 1099- 108-C
JG2JKO (JH1DHI,JK1JQQ,JL1MWI, JM1s APN,HUG, JN1s IZR,NRD, JO1s JYX,RDV,JP1s FRD, PVH, JQ1s FAB,ITD,WHK,JS1KTR,opr) 104,823- 613- 57-B
JH8YCT (JE8s BFO,MODF,JH8s JPK, WAH,WJY,opr) 100,850- 550- 61-B

North America
V47M (K0GU,N10E,WB0MIV,opr) 10,543,500- 10650- 330-C

South America
PJ0B (K2s NG,SS,K3EST,opr) 6,936,393- 7387- 313-C

Multioperator Unlimited
Asia
JE2YRD (JJ1BTC,JA2EZD,JF2s DQJ, XJE,JK2CZL,J2KVVW,JH4VBQ,JE7BIZ, JA9SSY,opr) 582,615- 1605- 121-C
JA9YBA (JE6VJ,JH7UJR,JA9s LNJ, NFO,OTX,PPC,VDA,opr) 464,508- 1518- 102-C

Europe
I3EVK (+ I3s FLY,JSS,MAU,ON) 1,880,418- 3103- 202-C

W/V E CW Single Operator
1
Connecticut
KI1AR 1,330,824- 1562- 284-C
KI1ZZ 342,108- 663- 172-C
KBHVT 235,638- 494- 159-C
KI1IN 166,164- 454- 122-C
KA1LZR 101,700- 300- 113-C
K1BV 79,212- 322- 82-C
WI1AB 64,512- 192- 61-C
N1CC 60,990- 190- 107-B
WA1LVW 43,290- 185- 73-C
WA2WIP 37,350- 150- 83-B
W1VH 30,450- 145- 70-C
W1ICH 7,224- 56- 43-C
KB1IZ 3,750- 50- 25-B
WI1HUE 2,346- 34- 23-A
KB1H 3,150- 42- 25-C-40
W1WEF 226,812- 922- 82-C-20
W1QK 53,664- 344- 52-C-20
AA2Z 300- 10- 10-B-20
K1RM 55,188- 252- 73-C-15

Eastern Massachusetts
K5ZD/I 911,130- 1255- 242-C
KD1VR 402,804- 804- 167-C
W1FJ 340,560- 688- 165-C
K5MA 327,699- 687- 159-C
A1BE 115,062- 302- 127-C
W1CWU 112,815- 327- 115-C
K1VUT 107,238- 293- 122-B
W1AX 97,812- 286- 114-C
WB1CNM 85,050- 270- 105-C
KR1B 24,480- 120- 68-B
K1MEM 12,780- 71- 60-C
W1OPJ 1,071- 21- 17-B
W1PLJ 855- 19- 15-C
W1BET 432- 12- 12-C
AB1A 240- 10- 8-C-160
W1FV 100,788- 454- 74-C-80
W1IHN 153,792- 112- 72-C-20

Maine
N1AFC 22,794- 131- 58-A

New Hampshire
KC1F 1,384,812- 1614- 286-C
K1DG 1,127,973- 1463- 257-C
AK1A 484,008- 938- 172-C
KA1X 377,982- 759- 166-C
W1RR 92,925- 295- 105-C
K1PTF 42,570- 165- 86-B
KB1PZ 3- 1- 1-A
W1NH 11,025- 75- 49-C-80
W1END 936- 26- 12-B-40

Rhode Island
KS1J 173,052- 437- 132-B
K1JYM 49,590- 190- 87-C
W1RFQ 3,774- 37- 34-B
W1GL 225,018- 926- 81-C-20

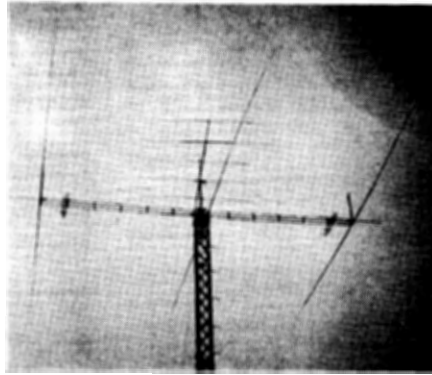
Vermont
W3SOH 49,680- 180- 92-B
WA1JV 18,300- 100- 61-C

Western Massachusetts
K1BW 1,047,033- 1413- 247-C
WA2CNF 98,649- 291- 113-C
KA1KPH 12,087- 79- 51-B
NC1B 546- 14- 13-B
W1GG 57,420- 348- 55-C-20
KR1R 231- 11- 7-C-10

2
Eastern New York
K5NA 1,048,605- 1319- 265-C



AA4NC/C6A took the Sunday morning shift during their multi-single phone effort.



The band-opening 80-meter Yagi used to generate that *big* signal from 15NPH. The smaller of the two is a 6-element 20-meter beam.



Here is PY4BA, who operated 15-meter single band on phone.

K2UR	442,335-797-185-C	KN3S	45,090-167-90-C	N4ZC (W8MAZ,opr)	80,145-411-65-C-40	K5WXZ	56,610-185-102-C	San Francisco	
W2XL	407,928-739-184-C	AI3Q	28,889-131-73-C			N5UA	43,521-163-89-C	W6WB	63,204-229-92-C
K2QF	154,080-428-120-C	WA3JZ	11,280-80-47-C	Northern Florida		KY5N	9,996-68-49-B	K6ANP	33,288-146-76-C
W2DW	102,375-273-125-C	K3PK	10,560-80-44-B	W4WQ	36,288-144-84-C	NZ5M	6,438-58-37-B	W6JTI	31,842-183-58-B
KY2J	86,400-240-120-C	N3RW	4,998-49-34-C	South Carolina		AA5C	5,760-60-32-C-80	K6ZUR	30,051-159-63-C
N2AIF	84,672-224-126-C	K3NTD	1,575-25-21-C	W3VT	755,588-954-264-C	K9MK	4,752-48-33-B-80	W6BIP	21,105-105-67-C
W2KHQ	57,600-192-100-B	W3FTG	1,380-23-20-B	W6OKX/4	91,080-253-120-C	W5BOS	36,093-227-53-C-20	K6LRN	7,482-86-29-B
W2AWF	29,484-156-63-C	KA3OAX	108-6-8-B	W4NL	3,600-40-30-C-160	N15M	4,752-66-24-B-20	K4TKM	18,270-145-42-C-15
W2AXK	4,164-69-45-B	K3NED	117,783-569-69-C-20			WF5E	3,591-63-19-C-20	NJ6P	10,836-129-28-C-15
KR2J	162,000-600-90-C-40	N3CZB	189-9-7-B-20	Southern Florida		K9LA	189-9-7-B-10		
		N3DZG	27-3-3-C-20	K8UNP	358,176-574-208-C	Oklahoma		San Joaquin Valley	
NYC & Long Island				K4MF	122,670-282-145-B	KA5UDL	504-14-12-B	KA6BIM	46,992-176-89-C
W2LQO (W2DKM,opr)	144,768-377-128-C	Maryland-DC		W4BV	120,951-287-151-C	Southern Texas		N8BJQ/6	33,646-181-62-C
W2GGE	49,395-185-89-C	W3GRF (K8DQ,opr)	1,490,952-1679-296-C	W4AHZ	88,578-259-114-B	KN5H	291,249-483-201-C	K5YK	16,896-128-44-B
W2ENW	27,633-151-61-A	K3ZO	1,393,728-1708-272-C	W4YA	17,577-93-63-B	K5TSQ	218,622-439-166-C	W6BYH	15,390-90-57-C
W2AYJ	24,219-117-89-C	K3ZZ	554,508-876-211-C	W4YN	15,000-100-50-B	N5JJ	85,668-236-121-C	N6OT	10,890-66-55-C
W2GKZ	23,760-110-72-C	N3RR	375,402-703-178-C	W4TG	12,012-77-52-A	W5P	26,103-113-77-C		
W2AFM	15,390-90-57-B	K3NA	332,588-596-186-C	W2SDB/4	1,950-26-25-C	W5KCR	16,068-103-52-C	Sacramento Valley	
KD2HE	13,452-76-59-B	K3SA	225,809-479-157-C	N4IN	2,349-29-27-B-160	W5N	14,691-83-59-C	KV6H	84,639-317-89-C
W2B2RNT	2,262-29-26-B	N3AM	125,610-395-106-C	W4BA	1,425-25-19-C-160	W5NR	3,321-41-27-C	K6DR	84,180-305-92-C
K2SX	513-19-9-C-40	W3HVQ	125,367-319-131-B	W4TDH	40,188-197-68-C-15	W4KKK	663-17-13-C-80	N6JV	80,190-297-90-C
KA2MXO	150,144-736-68-C-20	W3UJ	118,260-292-135-C			W5WQ	23,940-140-57-C-40	W6NKR	55,596-226-82-C
K2MFY	17,343-141-41-B-20	K3WS	87,108-238-122-A	Tennessee				KF6A	18,096-232-26-C
KE2N	168-8-7-B-10	N7IR	61,200-200-102-A	WM4Z	28,728-126-76-C	6		N6DM	1,887-37-17-C-80
W2AMU	45-5-3-B-10	W3GN	54,162-177-102-C	W4FG	20,933-123-57-C	East Bay		N6OR	181,260-795-76-C-40
		KD8WX/3	45,196-162-93-B	AA4MM	6,120-51-40-C	K6ATV	24,645-155-53-B	K6SG	4,140-60-23-C-40
		W3BRF	27,813-127-73-B	K4XO	4,800-50-32-C	K6CSL	11,988-111-36-B	N6GQ	59,136-352-56-C-20
		W3FEE	16,848-104-54-B	N4ZZ	68,670-327-70-C-40	W6G	9,999-101-33-B	N6BG	4,233-83-17-C-20
		W3FOE	12,705-77-55-C			W6DNY	6,300-105-20-B		
		W3FX	2,016-28-24-C	Virginia		W6BH	44,250-295-50-C-20	7	
		W3TFA	1,863-27-23-B	K4GKD	444,783-857-173-C			Arizona	
		K3SMQ	6,633-67-33-C-80	K4PQL	354,375-675-175-C			K7OX	261,837-619-141-C
		K23B	21,900-146-50-C-20	K4OD	111,792-272-137-C			W7AAY	70,224-266-88-C
		K3TW	3,588-46-26-C-15	W4YE	78,624-252-104-C			KX7J	28,728-152-63-C
				W4LNT	74,469-241-103-C			W2GGL/7	24,750-125-66-C
				N4MM	61,110-210-97-C			NG7S	19,557-123-53-B
				N3OS	50,796-166-102-B			K7CV	7,854-77-94-C
				K4PFF	43,596-173-84-B			W7MLK	2,772-44-21-C
				N4K	27,225-121-75-C			WA7MD	2,331-37-21-B
				W4UG	27,135-135-67-C			W7NWL	660-20-11-A
				K4BAM	22,470-107-70-B			K7SP	1,554-37-14-C-160
				N3JT	13,860-105-44-C			AA7A	129,375-625-69-C-40
				K4JM	13,770-90-51-B			W7YS	6,120-85-24-B-40
				W4OEL	3,813-41-31-A			K7RY	55,173-347-53-C-20
				K4MSG	1,368-24-19-B				
				N3RC	1,152-16-24-C			Idaho	
				N4LJS	432-12-12-B			KA7T	5,160-86-20-C-80
				W4MYA	42,480-240-59-C-80			KU7Y	25,506-218-39-B-20
				K9A	15,150-101-50-C-80				
				N4XD	8,400-80-35-C-40			Montana	
				K3RV	107,994-439-82-C-15			KE7X	143,136-426-112-C
								K5T	43,092-228-63-C
								K7ABV	3,060-51-20-C-80
								W6ALQ	1,404-52-9-C-20
								Nevada	
								WA7UTM	59,520-248-80-C
								N7NV	3,588-46-26-B
								Oregon	
								W7TC	33,120-240-46-C
								AD7T	16,335-99-55-C
								W7GUR	10,209-83-41-C
								W7QB	7,344-72-34-B
								KA7FEF	4,815-107-36-B
								W7TWL	3,381-49-23-C
								N6TR/7	2,054-36-19-C-160
								AG7J	23,985-205-39-C-20
								AG7M	22,680-210-36-C-20
								K5TP	5,700-76-25-C-20
								K7OV	3,150-50-21-B-15
								Utah	
								N5CT (K6FX,opr)	153,180-444-115-C
								W7HS	62,886-223-94-C
								WA7OCC	2,340-39-20-B
								Washington	
								NN7L	228,981-601-127-C
								K7DZ	90,345-317-95-C
								W7TS	63,609-233-91-C
								W7EEJ	32,580-181-60-C

W7TSQ 23,712- 208- 38-C
W7QN 20,736- 128- 54-C
W7IT 18,906- 137- 48-B
K7TG 12,543- 113- 37-C
K7RIE 11,628- 114- 34-B
N7QM 10,802- 114- 31-B
W7KT 10,506- 103- 34-B
W7CMO 9,324- 84- 37-C
K7PDH 3,840- 80- 18-B
W7IEU 837- 31- 9-B
N7EPD 741- 19- 13-B
W7UVJ 714- 34- 7-B
K7LXC 180- 15- 4-C-80
N7TT 85,344- 508- 56-C-20
W7BPI 11,739- 91- 43-C-20
W7LVI 2,838- 86- 22-C-20

Wyoming
NCTO 867- 17- 17-C

8
Michigan
K8CC 110,532- 302- 122-C
W8VSK 86,940- 252- 115-A
N8BT 20,100- 100- 67-C
N8COA 8,184- 62- 44-A
W8FEM 7,995- 65- 41-C
W8UVZ 1,071- 21- 17-C-160
K8DD 7,770- 70- 37-C-80
AC8W 5,673- 61- 31-C-80
W8TWA 23,715- 155- 51-C-20
K8QWG 1,530- 20- 17-B-20

Ohio
W8LNO 587,292- 898- 218-C
W8BXE 402,930- 605- 222-C
N8AG 256,770- 634- 135-C
K8RY 105,216- 274- 128-B
K8HFO 101,097- 239- 141-C
N8BC 91,773- 297- 103-C
K8SW 77,250- 250- 103-C
K8FK 67,620- 196- 115-B
W8RSW 50,826- 197- 86-C
W8DWP 21,756- 98- 74-B
K8MR 20,700- 100- 69-C
W8GOC 16,950- 113- 50-B
W8YGR 15,120- 72- 70-B
N8EKS 14,760- 82- 60-C
N8ET 8,448- 64- 44-B
W8EE 7,353- 57- 43-C
W8UPH 5,400- 60- 30-C
W8BAJF 1,188- 22- 18-B
K8QM 8,856- 72- 41-C-80
W8BALD 169,944- 777- 73-C-20
W8BLD 130,680- 605- 72-C-20
K8VM 24,444- 194- 42-C-20
W8QID 18,492- 134- 46-C-20
K8BQ 33,855- 185- 61-C-15

West Virginia
N8BN 15,180- 110- 46-C-40
W8UMR 21,504- 128- 56-B-20

9
Illinois
K9T 263,340- 532- 165-C
K9S 155,820- 371- 140-C
K9UIY 126,360- 312- 135-B
W9VA 73,920- 220- 112-C
W9BKI 58,905- 187- 105-C
K9MMS 24,249- 137- 59-B
W9IL 22,500- 125- 60-C
W9LNO 20,493- 99- 69-B
W9TNZ 9,024- 64- 47-B
K9GZ 1,302- 31- 14-C
W9REC 756- 18- 14-B
W9HAD 1,680- 28- 20-C-160
W9BW 112- 22- 17-C-80
N9FM 12- 2- 2-B-40
K9QVB 109,200- 455- 80-C-20
K9LNL 71,280- 360- 66-C-20
K9RHY 44,070- 226- 65-C-20
W9YY 2,112- 32- 22-B-20

Indiana
W9KTP 72,000- 240- 100-C
W9RE 31,506- 118- 89-C
W9PC 26,781- 113- 79-C
N9EZ 25,506- 109- 78-C
K8BAC 3- 1- 18-B-160
K9KG 3,198- 41- 26-B-40
K9VQK 6,045- 65- 31-C-20
K9JD 2,583- 41- 21-B-20

Wisconsin
W9OP 148,221- 383- 129-C
W9HRO 29,445- 151- 65-C
N9IC 23,544- 109- 72-B
W9GXR 20,979- 111- 63-C
W9NA 13,524- 98- 46-C
N9GL 6,840- 60- 38-B
W9YCV 816- 17- 16-C
N9U 765- 17- 15-B
N9BUS 2,088- 29- 24-C-40
W9WAQ 41,664- 224- 62-B-20

0
Colorado
K8ZX 120,666- 338- 119-C
W8GOR 48,888- 194- 84-C
K8YF 46,620- 185- 84-C
K8UK 42,277- 211- 67-C
W8ZV 6,480- 72- 30-C-160
W8UO 11,514- 101- 38-C-80
AC8S 3,312- 48- 23-C-80
K8OST 2,862- 53- 18-B-40

Iowa
W8WP 400,668- 892- 193-C
K8BY 31,290- 149- 70-C
K8JB 17,136- 119- 48-B-40

Kansas
W8RT 177,390- 438- 135-C
W8TKJ 171,588- 362- 158-C
K8VXU 46,359- 153- 101-C
W8CFZ 18,810- 114- 55-C
W8WPL 5,184- 48- 36-B
N7DF 1,827- 29- 21-C-160
AB8X 945- 21- 15-C-80

Minnesota
N8AT 46,725- 175- 89-C
W8BJP 28,968- 136- 71-B
K9WYI 7,740- 80- 43-B
W8LP 3,627- 39- 31-C
W8NGB 969- 19- 17-B
W8RXL 1,890- 30- 21-C-80
AF9T8 53,280- 296- 60-C-20

Nebasuri
W8JLC 795,495- 905- 293-C
W8HBH 200,490- 410- 163-C
N8IG 42,930- 159- 90-B
K8P 3,906- 42- 31-B

North Dakota
K8QQ 12,000- 80- 50-C
W8LHS 432- 12- 12-C

Nebraska
W8SYV 4,455- 45- 33-B

VE
Maritime-Newfoundland
VO1MP 592,200- 1128- 175-B
VO1AW 45,069- 181- 83-C
VO1QU 40,296- 184- 73-B

Quebec
VE2AYU 283,206- 613- 154-C

Ontario
VE3KP 149,328- 408- 122-C
VE3ST 69,000- 200- 115-C
VE3IY 68,040- 189- 120-C
VE3XN 38,958- 151- 86-C
VE3CWE 18,380- 102- 60-C
VE3NBE 7,869- 61- 43-B
VE3NQU 2,592- 32- 27-B
VE3CUI 2,331- 37- 21-C-80
VE3MNV 2,925- 39- 25-B-20
VE2AEJ/3 72- 6- 4-C-10

Manitoba
VE4IM 22,950- 150- 51-C-20

Saskatchewan
VE5RA 87,120- 264- 110-C

Alberta
VE6ADK 18,666- 122- 51-B
VE6CB 41,022- 318- 43-C-20

British Columbia
VE7AAQ 40,560- 208- 65-C
VE7FJE 18,327- 149- 41-C
VE7EIE 9,315- 115- 27-B

Multioperator Single Transmitter

1
K1YR (+ K1RU, KQ2M, K8HVT) 1,226,016- 1548- 264-C
KM1C (+ K8T1, W1PH, W8BTH) 1,102,302- 1341- 274-C
K1IU (+ K1AGOW) 947,232- 1248- 253-C
K1WA (+ K1DM) 732,555- 1095- 223-C
K1NYK (+ K1s DD, TO, KA1VC, KG1D) 271,320- 646- 140-C
N1AU (+ NC1M) 100,203- 263- 127-C

2
N2MM (+ K1T3M) 1,162,200- 1300- 298-C
K2NJ (+ KU2C, KY20, WA8DSQ) 732,186- 1043- 234-C
KQ2O (+ K2BKJ) 557,760- 830- 224-C
NG2X (+ W82EOR) 333,126- 597- 186-C
K2OMF (+ KA2UJH) 279,822- 626- 149-C
W2VJN (+ NET) 194,310- 381- 170-C
W2UI (+ N3KR) 155,832- 344- 151-C

3
N3AD (+ NET) 816,966- 1107- 246-C
W3AP (+ NET) 514,818- 773- 222-C
KB3MM (+ oprs) 480,591- 797- 201-C
N3BNA (+ N3DTM, N6QC) 300,825- 573- 175-C
W3NX (+ NET) 257,922- 483- 178-C

WA3SPJ (+ KS3F) 247,374- 509- 162-C
K3WJV (K8MP, WA3ZTR, oprs) 227,385- 489- 155-C
W3GW (+ NET) 207,792- 468- 148-C
W3USS (K3s TW, ZJ, KZ4H, N3JT, W4PBC, oprs) 191,316- 428- 149-C
W3MA (+ NET) 178,929- 423- 141-C
K3VPZ (KA3OGG, N3DZH, oprs) 448- 13- 12-B

4
N4WW (+ K8LUZ, N4SA, WY4A) 1,446,882- 1597- 302-C
N4KG (+ K4CEF, K4CZV) 645,120- 840- 256-C
AA4MJ (+ KBAHZ, W4GCB) 126,936- 328- 129-C
N4AU (+ KAIZN, WA4MTG) 70,446- 199- 118-C
W4IIO (K1ADU, N4LYT, N8AWM, W1LKY, W2IRF, W4ILE, W4BJH, W8BEFZ, W4AFNX, VE3HQP, oprs) 40,734- 146- 93-B

5
W5ASP (+ N5EA, W5VAH) 396,840- 636- 208-C
N5RM (+ WGSJ) 323,565- 583- 185-C

6
AA4M (+ KC4B) 223,872- 583- 128-C
WK6V (+ K1TKL, W8OPO) 61,893- 299- 69-C
K1ET (+ N6MNB) 48,200- 220- 70-C
K16V (+ NET) 32,160- 160- 67-C

7
W7NI (+ K7JF, KQ7I, ND7T, W7AGO) 183,315- 805- 101-C
W7YAO (+ KE7HX, N570) 42,039- 173- 81-B

8
W8JGU (+ N8DCJ, W8s CZN, GWC, W8s BIN, DXB, DXG, RCN) 569,700- 900- 211-C

9
N9WA (+ KA9SLM, WD9GVX) 118,818- 322- 123-C

0
K4VX0 (+ AH2U, K9BGL, KM9P) 1,119,525- 1265- 295-C
KJ8G (+ K8GAS, N8ZA, NN8M, NQ8L, W7XG) 253,776- 622- 136-C
W8NA (+ oprs) 129,687- 311- 139-C
KM8L (+ K8UAA) 5,724- 53- 36-C

VE
VE8RCS (+ oprs) 4,020- 67- 20-C

Multioperator Two Transmitter

W2REH (+ K2BML, KY2P, W2GD) 2,128,386- 2099- 338-C
N5AU (+ K5MR, KM5X, N5s RZ, TR, WBSVZL) 1,851,696- 1837- 336-C
K5LZO (+ K2TNO, AK5B, K5s GN, TU, KE5IV, N5RP, N5MS, NT5D) 1,308,066- 1402- 311-C
K1XM (+ KM1P, KQ1F, N81B) 959,175- 1225- 261-C
N2RM (+ K83TN) 953,451- 1341- 237-C
KY1H (+ K1RQ, K81s KE, W, KJ1K, KS1N, WA1ZAM, WB1EYL, WB2VLM) 837,289- 1203- 232-C
N6ND (+ K6VO, KZ6E) 755,802- 1194- 211-C
KS8S (K8BNS, K8UE, oprs) 504,900- 1100- 153-C
K1RX (+ NET) 500,360- 948- 190-C
W8LT (K3JT, N24K, oprs) 209,412- 554- 126-C
K6ZM (+ AK6T, K6BKKH, N3FT, CE3AQI) 203,562- 526- 129-C

Multioperator Unlimited
W3LPL (+ KA1GD, AI3M, K3DI, KF3P, W3FG, KC8C, N8II) 2,828,595- 2387- 395-C
K2TR (+ K1ZM, K2s EK, LE, SX, WR, XA, WA2SPL, WB2KMY) 2,643,354- 2331- 378-C
W3GM (+ AA3B, K3s GM, ND, N2BA, W3s FV, RJ, WA2ZY) 2,170,746- 1977- 366-C
K3OO (+ K3s NZ, ZUF, KJ3R) 1,822,065- 1813- 335-C
N3RS (+ KM3T, N3RD, WA3LRO) 1,724,514- 1802- 319-C

N6RO (+ K3EST, KT3Y, AI6V, K6TMB, N6AUW, W6SZN, WA6VEF, WC6I, W7MAP) 1,101,210- 1562- 235-C
W8AII/9 (+ K8VVF, KM8Q, KN8V, N86SH, W8s UC, ZZ, WA8RBW, W8YXY) 886,484- 1026- 288-C
K1EA (+ NET) 689,520- 1040- 221-C

DX CW Single Operator

Africa
EA8BIE 16,050- 107- 50-A
SM5ALJ/EA8 1,485- 33- 15-B-40
SM5AAJ/EA8 75- 5- 5-B-40
EA8AVW 22,089- 199- 37-B-15
ZS6USA 733,890- 1439- 170-B
JG1FVZ/5N8 194,040- 588- 110-C
5Z4DE 43,992- 376- 39-B-20

Asia
HZ1HZ 200,451- 613- 109-C
JA7FWR 433,086- 1102- 131-C
JA1XAF 362,232- 936- 129-C
JA2JW 309,270- 793- 130-C
JA7DLE 261,405- 785- 111-C
JH6QCO 55,233- 323- 57-B
JE4VVM 31,920- 280- 38-C
JH3AIU 30,360- 230- 44-C
JA8RPU 26,784- 186- 48-B
JE6JVJ 24,024- 182- 44-C
JE1ARQ 22,950- 153- 50-C
JAS8W 17,028- 132- 43-C
JA3ARM 10,509- 113- 31-C
JA7ASD 6,075- 81- 25-B
JH1MTR 5,625- 75- 25-B
JA1KFX 5,214- 79- 22-A
JA1WYQ 4,680- 104- 15-B
JA2MYA 3,540- 59- 20-B
JR2BNF/1 3,216- 67- 16-A
JA2WZ 3,213- 51- 21-B
JH3JYS 2,304- 48- 16-C
JE7IVP 1,485- 33- 15-B
JA6GGD 1,260- 30- 14-C
JA1AAT 690- 23- 10-B
JA1VZM 528- 22- 8-C
JA2SAP/1 72- 8- 3-B
JA7NI 1,260- 30- 14-C-160
JF1NZW 891- 27- 11-C-160
JE1SPY 660- 22- 10-C-160
JA1YBK (JH8LFE, opr) 15,390- 171- 30-C-80
JN1AIF 3,420- 114- 10-C-40
JH7VHZ 3,024- 72- 14-B-40
JA6PWN 2,604- 62- 14-C-40
JA2UOT 1,530- 51- 10-B-40
JN1VUB 576- 32- 6-B-40
JG2LGM 414- 23- 6-B-40
JG1GGF 192- 16- 4-B-40
JH1JH 156- 13- 4-C-40
JM1TTU 90- 10- 3-B-40
JH2NQS 72- 12- 2-B-40
JA8GZ 54- 9- 2-B-40
JL1EJO 30- 5- 2-B-40
JH4ISK 15- 5- 1-B-40
JA2ODS 3- 1- 1-C-40
JA3YBF (JE6BXJ, opr) 91,143- 533- 57-C-20
JF2EZA 82,521- 519- 53-C-20
JH1AEP 72,504- 503- 53-C-20
JF1SEK 64,050- 427- 50-B-20
JH7WQK 46,980- 348- 45-C-20
JH8JYV 39,825- 295- 45-B-20
JA8CGJ 28,197- 241- 39-C-20
JA2EIV 20,091- 181- 37-C-20
JA1CSB 14,934- 131- 38-C-20
JH7XGN 14,553- 147- 33-B-20
JR7CDL 8,991- 111- 27-B-20
JA2DN 2,754- 51- 18-A-20
JA1BDI 1,560- 40- 13-B-20
JE1AER 759- 23- 11-C-20
JA6AKV 624- 26- 8-B-20
JA6RHH 552- 23- 8-B-20
JO1QZI 483- 23- 7-B-20
JH8SPE 432- 24- 6-B-20
JE2MDE 105- 7- 5-B-20
JM1WZP/JD1 1,215- 45- 9-B
JP1EMG/JD1 6- 2- 1-B-40
JM1LRQ/JD1 12- 2- 2-B-20

W8LBT 184,212- 714- 86-B
RA8FA 36,686- 278- 44-B
UA8ZI 27,846- 221- 42-B
W8WCM 1,332- 37- 12-B
RA8JD 588- 28- 7-B
UA8AIA 216- 9- 8-B
UA8ZQC 16,965- 195- 29-B-80
UA8SMM 284- 11- 8-B-40
UA8XR 21,285- 185- 43-B-20
UA8XDG 6,438- 74- 29-B-20
UA8BCK 3,381- 49- 23-B-20
RA8UB 1,755- 45- 13-B-20
UF6QAC 1,638- 42- 13-B-20
UH8EC 7,020- 90- 26-B-40
UM8MZ 378- 14- 9-B-40
4X6IF 43,737- 239- 61-B

Europe
CT4AT 180,999- 507- 119-B

DL6FBL 1,229,211- 2239- 183-C
DL7ON 372,222- 1017- 122-C
DA1EW 42,222- 227- 62-B
DL7AEY 38,940- 220- 59-B
DJ4OE 28,028- 173- 54-B
DL8CM 23,691- 149- 53-B
DF3QN 13,800- 115- 40-B
DK8AX 12,636- 117- 36-C
DL8FTZ/DL (P44FN, opr) 9,270- 103- 30-A
DL8RAI 28,844- 268- 36-C-80
DL1HBT 7,800- 104- 25-C-80
DL1JF 5,796- 92- 21-C-80
DJ5JH 5,016- 76- 22-C-80
DL7YS 75- 5- 5-B-80
DK8LN 1,332- 37- 12-B-40
DK8MB 19,380- 190- 34-C-20
DL1MAJ 15,444- 156- 33-C-20
DF8XC 6,003- 87- 23-B-20
DL1TH 5,808- 88- 22-B-20
DL1HCM 5,229- 83- 21-B-20
DL1ZQ 3,477- 61- 19-B-20

ED1CI (EA1CIM, opr) 151,470- 495- 102-B
EA2CR 30,015- 145- 69-B
EA5CLO 28,440- 158- 60-B
EA1DOD 21,420- 140- 51-B
EA5CKP 18,540- 134- 45-B
EA3AQS 19,980- 180- 37-C-80
EA2BUR 2,850- 50- 19-B-40
EA3DBO 1,872- 33- 18-B-40
EA1DOD 5,544- 77- 24-B-20
EA4BV 420- 14- 10-B-15
EA6GP 18,285- 115- 53-B
EA6VQ 5,460- 70- 26-C-20

EI9J 74,522- 307- 82-B
EI3DP 7,395- 85- 29-B-15
F8BEE 129,300- 431- 100-C
F8EPQ 64,560- 268- 80-C
F8JIA 37,515- 205- 61-B
F8ERZ 35,208- 163- 72-B
F8RU 30,876- 166- 62-B
F9YZ 19,737- 153- 43-A
F9QE 19,050- 127- 50-B
F8TM 13,038- 106- 41-B
F8BB 12,936- 98- 44-B
F51HRN 5,400- 75- 24-B
F8PEO 1,344- 32- 14-B-80
F8ARC 50,181- 389- 43-C-40
F8CCI 1,080- 36- 10-B-20
F8TQ 1,218- 29- 14-B-15
G3MXJ 365,715- 903- 135-B
G3ESF 69,861- 319- 73-B
G2OT 68,493- 289- 79-B
G3APN 62,160- 259- 78-B
G4XRX 30,504- 164- 62-B
N6KN 12,099- 109- 37-B
G4CNY 35,175- 335- 35-B-40
G3FHB 167,076- 1092- 51-B-20
GM3LYY 335,340- 828- 135-B
GM3RAO 23,868- 221- 36-B-20
GU3HFN (GU3MBS, opr) 226,910- 833- 90-B
GW3JI 88,110- 330- 89-B
HA8KCO 1,620- 36- 15-B
HA5MY 420- 14- 10-C
HGSA (HA5ML, opr) 34,965- 315- 37-C-80

HA8IE 14,850- 150- 33-B-80
HA8LM 41,082- 334- 41-C-40
HA3MB 1,575- 35- 15-B-40
HA2KMR 21,828- 214- 34-B-20
HA5FG 9,360- 120- 26-B-20
HA5HH 6,318- 78- 27-B-20
HA5UA 5,625- 75- 26-B-20
HA6ZQ 4,884- 74- 22-B-20
HA2MJ 1,260- 30- 14-B-15
HB9AGA 223,062- 658- 113-C
HB9RFQ 81,270- 315- 86-C
HB9KC 32,208- 176- 61-C
HB9DX 25,575- 155- 57-C
HB9AGH 13,986- 126- 37-B

I2UIY 260,820- 690- 126-B
I0UX 202,122- 1182- 57-C-40
I2UBI 102,900- 700- 49-C-40
I2YKV 8,424- 117- 24-B-20
I1XPQ 11,310- 130- 29-B-15
I2QIL 5,934- 86- 23-C-15
IS80MH 40,533- 229- 59-B

LA7SI 11,988- 108- 37-C
LA9PCA 1,344- 32- 14-C
LA2EG 1,053- 27- 13-C-80
LA9XG 15,162- 133- 38-B-20
LA1U 10,842- 139- 26-C-20
LA2HFA 7,425- 99- 25-B-20
LA9DK 2,184- 52- 14-B-20
LA4YW 2,025- 45- 15-B-20
LA8DY 1,512- 42- 12-B-20
LA4KG 189- 9- 7-A-20
LX1WW 6,417- 69- 31-C
L21KNP 24,255- 165- 49-B
L22SO 13,908- 122- 38-C
L22VP 10,413- 89- 39-C
L21BJ 2,160- 36- 20-C
L21RN 4,500- 75- 20-B-80
L21TR 30,873- 251- 41-C-40
L22AG 10,266- 118- 29-B-40
L22AX 12,276- 132- 31-C-20
L21DV 1,794- 48- 13-B-20
L22OV 36- 4- 3-B-20
L21WY 612- 17- 12-A-15
OE3ZOC

OH1AA (OH1XN,opr)			UA2EC	1,776-	37- 16-B-20	Y25JA/A	720-	24- 10-B-20	Multioperator Single Transmitter			YU4EXA (YU4s NW,RW,WIA,opr)
OH1AD	96,739-	621- 53-C-20	UA6LTI	9,570-	110- 29-B-40	Y27GL/A	669-	29- 8-C-20	Africa			600,498- 1371-146-C
OH6YF	19,494-	171- 38-C-20	UA6BPM	2,160-	45- 16-B-40	Y67UL	432-	16- 9-B-20	W6QL/Z2 (+ W6KG)			YT3T (YU3s BQ,DRW,EIJ,RM,opr)
OH1PY	7,725-	103- 25-C-20	RA3DX	4,902-	86- 19-B-20	Y23UA	360-	15- 8-A-20	472,386- 1202-131-B			439,956- 1111-132-C
OH9UW	7,722-	78- 33-C-20	UA4LBF	1,080-	30- 12-B-20	Y31MB	351-	13- 9-C-20	Asia			YU2CKL (3 oprs)
OH2EJ	2,310-	55- 14-B-20	UBSUAT	52,863-	263- 67-B	Y25FH	306-	17- 6-A-20	JE2YRD (JA2EZD,JA7RHJ,JE1JKL,JE2KVV,JK2AYR, JR2s SCJ,SCU,opr)			221,604- 626-118-C
OH3GD	1,974-	47- 14-A-20	RB5EX	19,152-	152- 42-B	Y22UO	252-	12- 7-B-20	JA1YWX (JE1CKA,IG3IMM,JI1CUP,JM1s CAX,MCF,JF2JWL,JI2GUT,JR4NIV,JA6-9330,JH7PKU,opr)			4N2X (+ oprs)
OH7UV	1,326-	34- 13-B-20	RB5QL	9,570-	110- 29-B	Y59WF	252-	12- 7-B-20	382,143- 1003-127-C			158,112- 488-108-C
OH6KI	1,080-	30- 12-B-20	UBSKDD	9,222-	106- 29-B	Y24DG	189-	9- 7-A-20	JA7YFB (JN1ROH,JE7JWB,JF7s AAD,GQK,TDN,JH7s XKL,XMO,JR7s GYC,JLU,JVO,OEJ,QYW,RLB,WFH,JH9QNT,opr)			YU1ATA (YU1s NP,OVZ,RW,TT,opr)
OH9FA	6,996-	106- 22-B-20	UBSHKW	7,650-	85- 30-B	Y08DDP	38,340-	215- 60-B	358,380- 905-132-C			63,492- 286- 74-B
			UBSTN	7,020-	60- 39-B	Y08BFR	23,628-	179- 44-B	JA1YCL (JK1STT,JI1s LNC,QOC, JM1NKE,JN1WCS,JO1JAD,JS1AFY,JH8MHZ,JH9NOS,opr)			YU7AJR (2 oprs)
			RT4UF	2,142-	42- 17-B-80	Y08BHC	3,564-	66- 18-B-40	382,143- 1003-127-C			30,723- 209- 49-B
			UBSFNC (UBSFV,opr)	17,949-	193- 31-B-40	Y08BSE	3,348-	82- 18-B-40	358,380- 905-132-C			YU4CBC (+ oprs)
OK1ALW	618,148-	1392-148-C	UT4UI	14,586-	143- 34-B-40	Y09CYD	2,304-	48- 16-B-40	JA7YAB (JA7UMT,JR7CDI,JA8-3801,opr)			8,988- 107- 28-B
OK3CEI	44,676-	219- 68-B	UBSFAN	10,584-	126- 28-B-40	Y04BEX	1,920-	40- 16-B-40	North America			
OK1KZ	21,996-	156- 47-B	UBSFAN	10,140-	130- 26-B-40	Y06VZ	288-	12- 8-C-40	4U1UN (HB9RS,K2GM,K2SS,N2AA,opr)			
OK3FON	12,495-	119- 35-B	UBSQUJ	5,700-	100- 19-B-40	YU7SF	69,498-	297- 78-B	2,862,000-3590-265-C			
OK2ABU	9,984-	104- 32-C	RB5GM	2,592-	48- 18-B-40	YU4EZC	15,240-	127- 40-A	J34Z (K4LTA,N6LHN,NF5Z,W5PWG,W8FSX,opr)			
OK3CEL	9,603-	97- 33-B	RB4II	360-	15- 8-B-40	YU7BW	11,040-	92- 40-C	2,678,808-3212-278-C			
OK1DZD	6,075-	75- 27-A	UBSQIL	288-	12- 8-B-40	YU1OWW	3,807-	47- 27-A	KL7HFV (+ KL7WF,N6IV)			
OK1DKR	5,629-	67- 25-B	UBSQIL	47,670-	454- 35-B-20	YU2NW	5,148-	78- 22-C-80	393,300- 950-138-C			
OK2BHC	1,800-	40- 15-B	RB5GW	21,480-	179- 40-B-20	YU1EYX	121,950-	813- 50-C-40	V47A (K8GU,NIOE,W8BWM,opr)			
OK2BHC	1,620-	36- 15-B-80	UBSQKC	20,832-	224- 31-B-20	YU2OS	45,264-	368- 41-C-40	3,490,344-4068-286-C			
OK3CUG	75-	5- 5-A-80	RB5WR	11,259-	139- 27-B-20	YU4BR	20,295-	205- 33-B-40				
OK2EC	19,404-	196- 33-C-40	UBSBZ	7,176-	107- 23-B-20	YU7NHT	3,720-	62- 20-B-40				
OK2BOB	3,135-	55- 19-B-40	UYSTE	4,104-	72- 19-B-20	YU1WR	57,582-	457- 42-C-20				
OK3CQW	39,744-	387- 36-C-20	UBSVK	825-	25- 11-B-20	YU2EU	8,175-	109- 25-B-20				
OK1JPH	25,641-	231- 37-B-20	UC2LB	828-	23- 12-B-80	YU1PQI	792-	22- 12-C-20				
OK2PGG	19,008-	192- 33-C-20	UC2WM	288-	12- 8-B-80	YU4ETF	15,903-	171- 31-C-15				
OK2BSG	13,356-	141- 32-B-20	UC2WBI	1,080-	30- 12-B-20	YU3UPI	1,554-	37- 14-B-15				
OK3YCA	8,019-	99- 27-B-20	UC2AFZ	836-	26- 12-B-20	North America						
OK1AXB	6,675-	89- 25-B-80	UP2BO	159,159-	583- 91-B	N6EK/C6A	1,335,510-	2090-213-B				
OK2BGR	4,200-	70- 20-B-20	UP2BEI	8,448-	88- 32-B	C8ADR (N1EE,opr)	1,161,831-	1853-209-B				
OK1MTA	2,400-	50- 16-B-20	UP2BKM	240-	10- 8-B-80	N4RP/C6A	753,135-	1357-185-B				
OK1JDU	1,536-	32- 16-B-20	UP2BKM	12-	2- 2-B-40	K8QVB/C6A	82,134-	507- 54-B-80				
OK1MH	1,152-	32- 16-B-20	UP2BKF	3,456-	64- 18-B-20	FGW2KN/FS	2,760-	46- 20-B-160				
OK2PAW	936-	24- 13-B-20	UP2BJ	1,794-	26- 23-B-20	H18LC	3,150-	50- 21-B-40				
OK3IF	126-	7- 6-B-20	UP2BXA	1,326-	34- 13-B-20	HP1AC	609,984-	1093-186-B				
OK1DXW	6,138-	93- 22-C-15	UQ2GKL	9,639-	119- 27-B	KL7KE	8,640-	90- 32-B				
OK2BCI	5,280-	80- 22-C-15	UQ2GLW	4,266-	79- 18-B-20	KL7Y	12,075-	135- 35-C-160				
OK2SWD	210-	10- 7-B-15	UR2RMC	6,975-	103- 24-B	KL7UR	22,575-	115- 35-C-80				
ON4JJ	5,916-	68- 29-A	UR2RND	180-	10- 6-B-80	N5AW/NP2	2,674,434-	3442-259-B				
ON5WL	13,668-	134- 34-B-80	UR2RIY	1,188-	44- 9-B-20	KP4FI	357,048-	2088- 57-C				
ON4XG	3,366-	66- 17-B-15	Y54PL	117,990-	437- 90-C	NP4Z	106,530-	670- 53-C-80				
OZ7HT	182,540-	602- 90-B	Y47YN	63,630-	303- 70-B	TE6T	366,525-	905-135-B				
OZ1FGS	23,226-	158- 49-C	Y22WF	32,292-	207- 52-B	TE4T	8,460-	94- 30-B-20				
OZ1W	12,885-	105- 39-B	Y24SK/A	29,058-	167- 58-C	V3DA (W3UM,opr)	40,770-	302- 45-B-160				
OZ7BG	2,622-	38- 23-B	Y36SG	28,674-	177- 54-B	K4FW/V4	344,250-	850-135-B				
OZ1FTE	7,200-	100- 24-B-80	Y24LE	26,754-	182- 49-C	VP9DG	457,380-	924-165-B				
OZ1NF	510-	17- 10-B-80	Y42ZK	14,976-	128- 39-B	XE2MX	980,865-	1535-213-B				
OZ7YL	8,400-	100- 28-C-20	Y52TE	12,519-	107- 39-C	ZF2IZ (NM8K,opr)	38,925-	173- 75-B				
OZ1AXG	5,460-	65- 28-C-20	Y28QH/A	12,000-	125- 32-B	Oceania						
OZ1JLX	4,554-	69- 22-C-20	Y36TG	9,546-	86- 37-B	A35WZ	240,957-	653-123-B				
OZ1DPW	2,925-	65- 15-B-20	Y23RJ	5,313-	77- 23-B	N7ET/DU7	9,000-	150- 20-C-40				
OZ1FAO	1,440-	40- 12-B-20	Y33ON	4,140-	69- 20-B	F08JP	26,622-	153- 58-B				
OZ2NU	216-	12- 6-B-20	Y66YF	4,140-	69- 20-B	AH6AZ	1,178,658-	1794-219-C				
PA8LOU	62,451-	257- 81-B	Y71KH	3,960-	60- 22-B	KH6CP	5,508-	68- 27-A				
PA8INA	47,439-	251- 63-B	Y24GF	3,750-	50- 25-B	KH6DW	85,374-	558- 51-C-40				
PA3CBZ	17,197-	139- 41-B	Y63VN	2,907-	57- 17-B	KH6J	5,016-	76- 22-C-40				
PA3BNT	12,792-	104- 41-B	Y25OE	2,700-	45- 20-A	K7SS/KH6	258,042-	1483- 58-C-20				
PA3BUD	11,400-	100- 38-B	Y25TG	2,460-	41- 20-C	W7PSO/KH6	24,288-	184- 44-B-20				
PA3ACC	9,980-	90- 37-B	Y37TM	2,280-	38- 20-B	WH6W	21,960-	183- 40-C-20				
PA3EBT	9,190-	102- 30-B	Y38YE	2,166-	38- 19-B	AH6EK	15,651-	141- 37-B-20				
PA3BTH	8,466-	83- 34-B	Y68WG	1,632-	32- 17-B	VK2APD	285,390-	755-126-B				
PA8ADT	7,128-	88- 27-A	Y35WF	1,326-	26- 17-B	VK2ADK	4,290-	55- 26-B				
PA3CXC	24,198-	218- 37-B-20	Y21IM	1,326-	34- 13-B	VK2BQQ	69,336-	426- 54-B-40				
PA3BDK	9,114-	98- 31-B-20	Y37RB	360-	12- 10-B	VK2BQW	12,573-	127- 33-B-40				
PA3CWM	5,481-	87- 21-B-20	Y51XE	8,625-	115- 25-C-80	VK5AGT	7,743-	89- 29-B-40				
PA8UV	4,500-	75- 20-B-20	Y21XH/A	570-	19- 10-B-80	Y44TT	1,764-	42- 14-C-20				
PA3AMA	2,400-	50- 16-B-20	Y49RF	540-	18- 10-B-80	YK2FA	36,289-	301- 43-B-15				
SM7NLJ	78,732-	324- 81-C	Y22DK/A	297-	11- 9-B-80	YB4XA	648-	24- 9-B				
SM87W	5,850-	75- 26-C	Y22UO/P	231-	11- 7-B-80	KA7KSY/Y88	252-	14- 6-B-40				
SM5DAC	5,672-	51- 24-B	Y24VF	168-	8- 7-B-80	ZL2MM	3,314-	48- 23-B-15				
SM5CLE	2,805-	55- 17-B	Y24YH	1,932-	46- 14-C-40	South America						
SM80FW	2,232-	31- 24-B	Y24RU	1,836-	34- 18-B-40	CX8DT	1,653-	29- 19-C-160				
SM1CNS	1,485-	33- 15-A	Y22BK	288-	48- 6-B-40	LU8UO	258,552-	1460-133-B				
SM8EEJ	13,188-	157- 28-C-20	Y23DL	78,966-	642- 41-C-20	LD8UQ	254,040-	1648- 58-C-20				
SM6BZE	12,600-	150- 28-B-20	Y32KE	38,650-	350- 37-C-20	OA4ZV	16,032-	167- 32-C-80				
SM80BDS	10,575-	141- 25-B-20	Y71DO	31,008-	272- 38-C-20	PJ8J (W1BIH,opr)	3,412,398-	3817-298-C				
SM6OLL	7,590-	110- 23-C-20	Y33TB	23,544-	218- 36-C-20	PA8VDV/PJ2	29,085-	277- 35-B-10				
SM5DUT	6,279-	91- 23-C-20	Y22TO	22,468-	208- 36-C-20	PY1HQ	245,097-	723-113-C				
SM5RE	5,520-	92- 20-C-20	Y33VL	17,820-	165- 36-C-20	PY2RLQ	46,226-	321- 48-B				
SM8BVQ	5,080-	90- 20-B-20	Y78VL	15,747-	181- 29-C-20	PY2UJJ	1,989-	39- 17-A				
SM80BTS	5,220-	87- 20-B-20	Y78UL	13,344-	139- 32-C-20	PT7CG	270-	10- 9-B				
SM6DUA	5,160-	86- 20-B-20	Y38UJ	12,150-	135- 30-B-20	PY2LQW	49,632-	352- 47-B-40				
SM6PVB	3,744-	79- 16-B-20	Y28KL/A	10,980-	122- 30-C-20	PY2RRG	5,700-	76- 25-B-40				
SM5CAK	3,520-	80- 23-C-20	Y22LE	10,875-	145- 25-B-20	P8BZ2	96,513-	607- 53-C-20				
SM5CSS	3,000-	50- 20-C-20	Y21NE	8,700-	116- 25-B-20	South America						
SM7TV	2,548-	47- 18-B-20	Y51ZE	8,568-	119- 24-C-20	CX8DT	1,653-	29- 19-C-160				
SM6CDN	1,155-	35- 11-B-20	Y23WM	7,332-	94- 26-C-20	LU8UO	258,552-	1460-133-B				
SM7LAZ	1,050-	35- 10-B-20	Y36VM	6,675-	89- 25-B-20	LD8UQ	254,040-	1648- 58-C-20				
SM6CST	1,023-	31- 11-B-20	Y75YH	5,214-	79- 22-B-20	OA4ZV	16,032-	167- 32-C-80				
SM2GYP	270-	10- 9-C-20	Y71VG	4,488-	68- 22-B-20	PJ8J (W1BIH,opr)	3,412,398-	3817-298-C				
SM7CVU	60-	5- 4-B-20	Y51YJ	4,071-	59- 23-B-20	PA8VDV/PJ2	29,085-	277- 35-B-10				
SP3BYZ	22,962-	178- 43-B	Y21UL	3,819-	67- 19-B-20	PY1HQ	245,097-	723-113-C				
SP6FER	10,602-	116- 31-C	Y53UN	3,618-	67- 18-B-20	PY2RLQ	46,226-	321- 48-B				
SP3AZO	4,608-	64- 24-B	Y62RN	3,591-	57- 21-B-20	PY2UJJ	1,989-	39- 17-A				
SP9IGY	2,592-	54- 16-B	Y21UD	3,402-	63- 18-B-20	PT7CG	270-	10- 9-B				
SP8MJ	1,935-	43- 15-B	Y32EE	3,240-	54- 20-C-20	PY2LQW	49,632-	352- 47-B-40				
SP9CVY	1,440-	32- 15-B	Y23HN	2,592-	48- 18-B-20	PY2RRG	5,700-	76- 25-B-40				
SP5JTR	1,482-	38- 13-B-80	Y21DG/A	2,244-	47- 17-B-20	P8BZ2	96,513-	607- 53-C-20				
SP9DAE	594-	18- 11-B-80	Y21IC	2,142-								