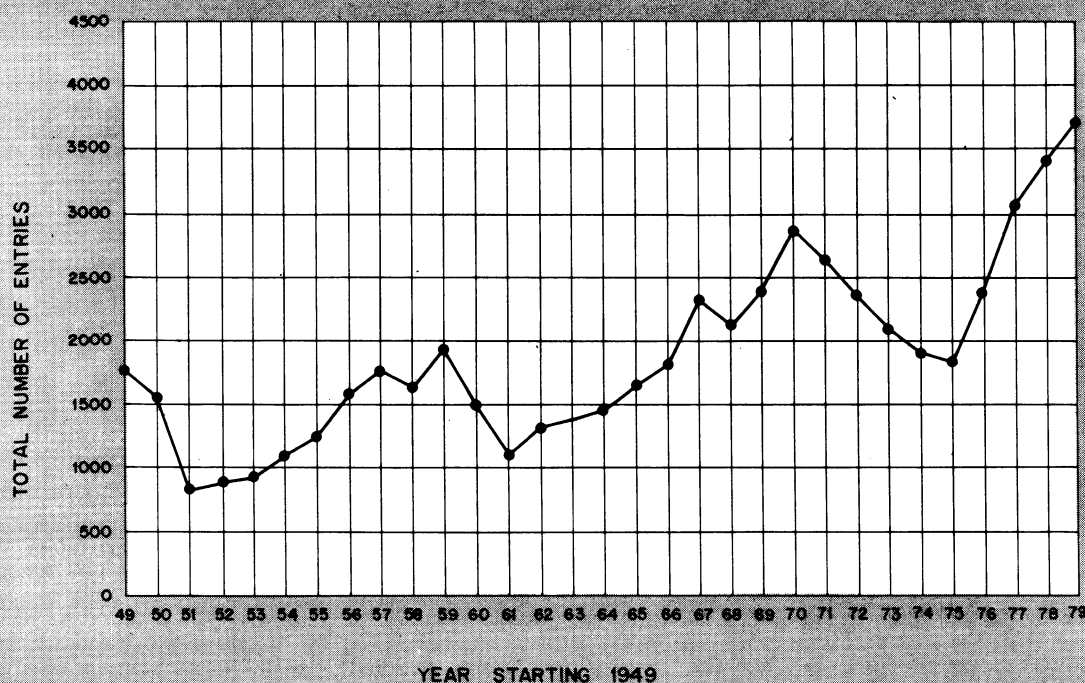


Results, 1979 ARRL International DX Competition

The only thing that's shorter is the time period. The DX 'test is still long on fun and surprises.

By Tom Frenaye,* K1KI and Bill Jennings,** K1WJ



The ARRL DX Competition, in one form or another, has been around a lot of years; gone through a few sunspot peaks and valleys; undergone more than a few changes; weathered sparse participation, especially during the Korean War years and remains today one of the favorite operating events in the world. Not too surprising. You mix high QSO rates with DXing and throw in a little friendly competition and who could resist trying their hand "just to see what it's all about."

Also not too surprising that the 1979 DX Competition, although reduced to one weekend per mode from the two weekend per mode format, drew more participants than ever before. After all, the serious participant is more apt to spend one full weekend in a concerted effort than trying to rearrange a

schedule to accommodate 96 hours for a given mode of contesting. Given the place in the period of the sunspot cycle, it's not too difficult to understand why the top ten single-operator scores in '79 are not all that far, on the average, below those of '78 even with only one-half of the operating time available. With all of the excitement on 20-15-10 meters, few people were serious enough to stick to 160-80-40, despite good, though not great, conditions.

The club competition generated a great deal of interest again this year with more than half of the W/VE participants contributing to their club's score. The strategy for club competition varied quite a bit. Several concentrated their efforts on big multi-multi efforts, others on a large number of small multi-multi efforts with the best operators in the club paired up with the newcomers. Still others relied almost entirely on individual entries. The top club entries

averaged around 600,000 points each, which equates to about 1000 QSOs per entry. Congratulations are in order for the three winners in the club competition: Central Virginia Contest Club, Murphy's Marauders, and Frankford Radio Club.

Outstanding scores showed up everywhere from VR3AH's 787 QSOs on low-band cw to K9DX's one million plus points on high-band phone to the K1CO/PJ7 13,182 multi-multi QSOs to K1GQ's 319 multipliers in the single-operator cw category. The one-weekend format seems to have pleased nearly everybody, with more DX and W/VE stations putting in a full effort.

One of the biggest problems for single-operator stations was deciding which band to use since most of the time at least two were wide open. This is the point where the ability of the operator begins to show, rather than the number of antenna elements or height of the

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tower. Even if the QSO rate on 20 meters is very good, the winning scorer must have spent time enough on all bands to build up the multiplier total. Those on the East Coast aim for a large number of European multipliers, while those in the West make up ground by working large numbers of JAs and digging out the Europeans on 40 and 80.

We spent a considerable amount of time cross checking logs this year and came up with some very interesting discoveries. A look at the big multi-multi logs on cw showed that no one had a clear advantage in working multipliers, though those with spotting nets generally did work more than those without. The total numbers of DXCC countries in those big logs on 15 meters were 31 on 160 meters, 87 on 80 meters, 100 on 40, 130 on 20, 117 on 15 and 123 on 10. Kinda makes you feel you'll never get them all. A look at 15-meter phone also provided new insights. A computer listing of all call signs in the top ten 15-meter logs showed 5800 different call signs. Since the best entries showed only around 1500 QSOs, you can see that there are always a few that get away. Almost 2200 JAs were represented, along with 600 Gs, 660 DJs and 175 Us. Surprisingly, less than 100 of the 5800 were worked by the same 10 biggest 15-meter scores. A total of 154 DXCC countries were found in those logs though.

We were able to do a little more careful log checking this year compared to past years, thanks to some computer help among other things. One of the problems that was spotted was the number of incorrectly copied call signs in many logs. A number of stations received warning letters this year because of high error rates and a few lost a fairly large number of QSOs. The solution? Make sure the call sign is right before you go on to the next one, you will only hurt your own score in the end.

After listening to all of the QRM and loud signals during the contest, it was difficult to believe that QRP could do very well. TG9GI worked more than 2200 W/VE stations in his high-band phone entry with 5 watts PEP and I0XXR found the patience for 350 QSOs on 20 and 15 meters with 10 watts input on cw. Giancarlo, I0XXR, tells a story that may be very familiar to many others:

"A component failed in my regular rig and I couldn't find the needed part in Rome, so I concluded the only solution was to operate using the only transceiver available to me — an FT-7. I reduced the final amplifier drive to 10 watts input in order to get real QRP. I didn't have a crystal for 28-MHz cw, nor a receiver cw filter, so the battle had to be fought on 20 and 15 only, with my ears operating as a cw filter.

"Thirty minutes before the contest I was ready. My 40-meter Zepp was connected through the matchbox. At 2350Z the bands were silent except for a few DX signals showing that propagation was excellent. That is the magic moment when one imagines thousands of fellow amateurs looking at the clock, ready for the big run. A few minutes before 0000Z I contacted N2AA, who reported a fair 589/599 signal. 'You will be my first contact,' he said.

"The countdown started — four, three, two, one, GO! I0XXR 599 NY — N2AA 599010. Then hell broke into the passband of the FT-7; thousands of kilowatts were suddenly pumped across the Atlantic. Dozens of tremendous signals from W, K, U, OK, SP stations hit my ears — the S-meter was pinned.

"I felt like I was in a small boat swinging up and down on the waves of a stormy sea.

DX Continental Champs

Phone	Single Operator	High Band	Low Band	Multioperator
Africa	EA8OZ	EL2AV	ZS6DW	
Asia	JR1MTQ	JA3USA	JA2BAY	UK9UAO (M-S) JA7YAA (M-M) CT2ARA (M-S) G4ANT (M-M) VP2DXC (M-S) K1CO/PJ7 (M-M) ZL3BK (M-S) FY7AK (M-S)
Europe	GU5CIA	F2SI	EA4LH	
North America	XE1OW	HI8MOG	HI8JAG	
Oceania	KH6IJ	KH6GMP		
South America	HC1BU	OA4ASX	HK6DWI	
CW				
Africa	ZS6WW	C5AAN	EL2AV	C5ABX (M-S)
Asia	JA6IBX	JJ1BBQ	JH1RFM	JA1YFL (M-S) JA7YAA (M-M) DL0AA (M-S) DL0KF (M-M) FG7AR/FS7 (M-S) KH6TM (M-S) VK5WC (M-M)
Europe	GU5CIA	YU1KV	OK1ALW	
North America	VP2MOC	KL7JER	HI8LC	
Oceania	KH6ND	KH6CKJ	VR3AH	
South America	W1BIH/PJ2	CE3XV	WA4UAZ/HC1	

Division Leaders — Phone

All Band	Multi-Single	Division	High Band	Low Band
W3BGN	K3NZ	Atlantic	K3VW	WB2VFT
W9ZRX	K9KU	Central	K9DX	W9RN
K0ZZ	K0KX	Dakota	W0UO	—
K5KLA	WB5TBK	Delta	AB4H	K5UR
N8JW	AG8W	Great Lakes	WB8JBM	K8SMC
N2LT	W2XL	Hudson	N9RR/2	K2IGW
W0IUB	K0CS	Midwest	W0WP	WA0TKJ
K1PR	K1ZZ	New England	W1UR	W1FC
K7RI	N7RO	Northwestern	W7EJ	N7SW
W6BH	K6OQ	Pacific	N6CT	AE6U
N4RV	K4VX	Roanoke	N4UH	W4HBK
K7LR/0	W0MYN	Rocky Mtn	W0YK	—
K4CL	N4RR	Southeastern	N4KG	K4VT
K6RR	W6RDF	Southwestern	K6LL/7	—
AF5K	K5JA	West Gulf	W5FO	K5NA
VE7BTV	VE1DXA	Canadian	VE3BVD	VE3BBN

Division Leaders — CW

All Band	Multi-Single	Division	High Band	Low Band
W3LPL	W3AU	Atlantic	K3VW	WB3AVN
K9DX	N9NS	Central	W9OA	N9DX
K0ZZ	W0HP	Dakota	W0UO	K0KX
K4XU	—	Delta	AB4H	K5UR
N4AR	AD8P	Great Lakes	W8WPC	W8UVZ
W2IB	K2BK	Hudson	AE2A	W2ER
N0GA	K0MM	Midwest	W0SF	WA0TKJ
K1GQ	K1RU	New England	W1YN	K1VTM
K7RI	K7WQD	Northwestern	N7DX	K7UR
N6RO	N6IG	Pacific	WB7OQW	N6DM
K4PQL	K4VX	Roanoke	WB4TDH	WB4BVY
W5JW	K0UK	Rocky Mtn	W0YK	WA5YTX
N4KG	N4RR	Southeastern	WN4KKN	N4OL
K6NA	N7CW	Southwestern	K6LL/7	AA7A
W5UN	K5JA	West Gulf	W5MYA	W5WQN
VE6LU	—	Canadian	VE6KW	VE5RA

"The technique of calling CQ did not pay much. Trying for a different approach I found that answering stateside CQs was far better. Slowly I started to write down the first pages of my log, trying to convince myself that I was running QRP and that I should have patience and perseverance. During the first hours I was so discouraged that several times I was ready to go to bed. Early in the morning I began to appreciate my efforts. Several pages of the log were complete, some W6 and W7s were worked with relative ease and the multiplier total showed many states worked.

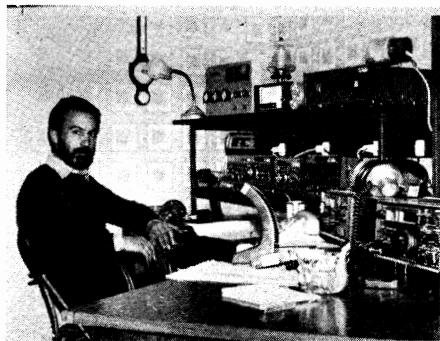
"I learned to use different operating techniques, like tailending, different sending speeds in order to distinguish my signal from the average ones, signing /QRP and working at the band edges.

"My enthusiasm grew when I worked Nevada, a hard one from Europe. Many stateside fellows could not believe the 010 power number and asked me to repeat it. 'QRP!' they said, 'Good luck!' It was like when a big ship happens to cross paths in the Atlantic with the tiny boat of a lonely sailor!

"I spent the last hours searching for needed multipliers, tired of trying five or 10 times before getting an answer. Finally at 2359Z the great storm ceased.

"Those with kilowatts and beams may not be interested in the results of a tiny station with a wire antenna, but a QRP'er certainly can. I wish to thank the W/VE hams for their patience and kindness when contacting the I0XXR/QRP signal, often loosing much of their time asking me to repeat my call or

The Other End of the Pileup . . . Beaming East . . .



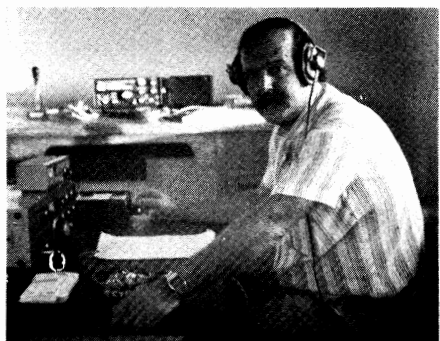
EA6CE



EA3SA



PA2TMS



EA8RL



HB9AUS



CT1DW



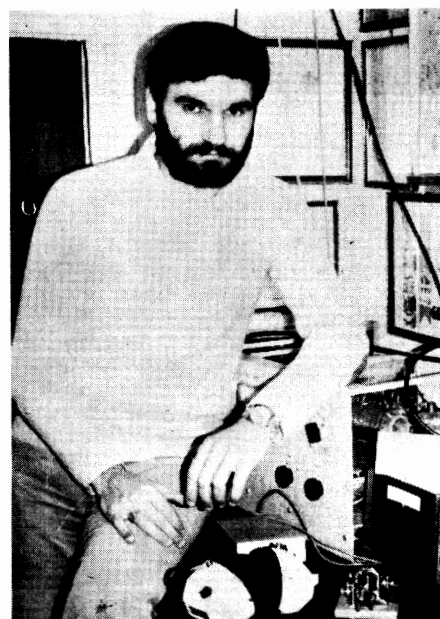
F6FGN



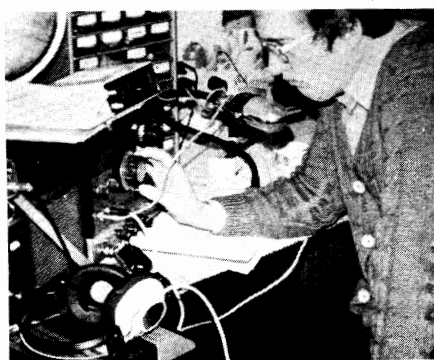
I6NOA



EA7AAW



YU1OCV



ON6BC



I1HAG

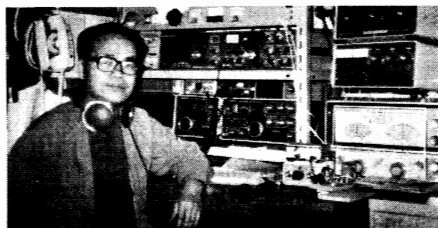


GU5CIA



YU2RTC

... Beaming West ...



JA1BWA



JH3WKZ



JJ1JPL



JA1KPA

And South ...



HI8MOG



HI8LC



HC2SL



PT7WA

... And From Here.



WB4FIH



K4MLR



KA1CH

Top Ten DX

Phone		CW	
XE1OW	4,815,930	VP2MOC	3,120,048
K1XX/VP9	3,690,411	GU5CIA	2,463,300
HC1BU	3,159,195	J3ABN	2,462,784
KH6IJ	3,099,888	4U1UN	2,378,040
KH6WF	2,933,952	XE2NQ	2,374,890
GU5CIA	2,910,664	VP2VI	2,321,520
ZL1ADI	2,611,125	W1BIH/PJ2	2,241,450
W7NI/KH6	2,458,278	OZ1LO	2,091,432
W1BIH/PJ2	2,268,450	G3FXB	2,021,052
G3ZQW	2,088,891	KH6ND	1,982,508

WVE Top Ten

Phone		CW	
K1PR	1,602,018	K1GQ	1,975,248
W6BH	1,501,302	W1ZA	1,858,206
W9ZRX	1,442,955	K9DX	1,619,568
W3BGN	1,406,899	W1ZM	1,610,043
W3GRF	1,326,975	W3LPL	1,595,367
K1BW	1,273,920	N4AR	1,579,989
K6RR	1,253,799	N9MM	1,564,140
N3BB	1,242,738	K1ZZ	1,527,414
N4RV	1,236,384	W2IB	1,526,868
K7RI	1,214,400	K1PR	1,519,086

Low Power Champs

Phone		CW	
KB9ET	497,338	N5AW	765,864
KG4W	494,982	N2GC	613,818
W0WP	353,430	W0WP	480,240
N2GC	332,856	W0UC	472,152
WA4DAN	321,264	K2MFY	439,533
K1YXG	215,670	WA4DAN	347,256
W0UC	199,926	WB5NBC	319,290
WB2VFK	166,842	K1JA	314,157
K2MFY	166,740	W3ARK	298,890
K6WJ	160,371	W5VGX	294,840

Multi-Single Leaders

Phone		CW	
K5JA	2,061,105	W3AU	2,072,448
K1ZZ	1,742,715	N4RR	1,961,175
K4VX	1,663,116	N6IG	1,678,950
VE1DXA	1,567,512	K4VX	1,635,333
W1CF	1,560,867	N3AD	1,519,545

Logs Received

	WVE	DX	Check	Total
1977	1631	1123	280	3034
1978	1842	1340	260	3445
1979	1992	1473	285	3749

power. Thanks also to ARRL for sponsoring a great DX Competition."

The patience and perseverance spent in any contest certainly will pay off, especially when your signal is weak. Everybody hears the loud signals, good operators or not, but the weak signals depend on operator ability to get through. And operating ability and station versatility are some of the goals of any contest, aren't they?

Don't forget to mark the dates for the 1980 ARRL DX Competition on your calendar: February 16-17 for cw and March 1-2 for phone.

SOAPBOX

Enjoyed my first DX contest. 180 watts to a vertical antenna will break the pileups . . . sometimes (KA0CLS). Please put me down as being in favor of the two-weekend contest. The single weekender is just good for a warm-up for the second part...I feel a little cheated that the traditional schedule was altered. Perhaps a vote to see how many prefer the two-weekend per mode format is in order? (K2OB). What if you gave a multi-multi and nobody came? Winter's last blizzard chased away my only other op and then blocked the roads so the reinforcements couldn't make it. Oh well! (K0UP). I must be crazy, working these contests with 250 watts and a vertical! Too many U.S. stations calling CQ on top of DX (AA9F). I tried to work some of the Midwestern and Eastern states that I need, but was pleased to be able to catch North Dakota as a bonus (JF3DLO). When I was on a band where the Europeans were loud into the USA, my rate went down substantially. Therefore the best time for me on 20, paradoxically, was when East Coast and Midwest signals were quite weak here, but where I was apparently one of the few DX signals coming through there. One band or another was open to the USA here around the clock and this is the first time that I have seen that happen. Few East Coast stations took advantage of it, but there was a good long-path opening over ZL from about 0800 UTC onward for a couple of hours on 15. At the same time, short-path signals from all U.S. areas were booming in on 20, a very unusual occurrence. Not too many of the gang were awake to take advantage of it though (HS1ABD/K3ZO). Murphy needs his butt kicked!! (WB7BFK). I think that this one weekend test is great, so does my neighborhood (WB6DFX). Who is the heathen who scheduled the now one weekend DX bash on St. Patrick's Day?? (W5RUH). There is no way a single operator can effectively cover five bands in just one weekend. I always had the feeling that I was on the wrong band, regardless of where I was. The choice between multiplier hunting and rate is always painful (N4KG). Not having an antenna farm of multi-element monobanders and a room full of SB-220s, my main interest in the contest is trying to find some new countries on new bands and bettering my own previous scores (WA5IYX). The contest was fun, even the paperwork became catchy (WB7RBV). Didn't switch over to the V antenna until the second day. Learned too late that it would have done some "smoking" into the States (W7LPF/DU2). Although I had previously participated from my home in Japan, this



Above left, the N2AA multi-multi station. Number one on cw and number two (USA) on phone. K2GL, above right, built the station and keeps it running with some mid-contest repairs.

was my first experience in the DX Competition on this side . . . Hopefully, I've picked up some tips on what I should do if I want to win in JA when I return after another couple of years' stay in the U.S. (AFIO/JHIACQ/KIAD). Conditions were very good on 10 in this contest. The 15-meter band opened at an unusual time (about 12-13 UTC). I think that it would be a good idea to add monoband entry categories to those already in use (JHIWIX). On cw, everything was fine for the first day except lost the 40-meter beam and the 80 sloper . . . so up went two Vs for 40 and 80 . . . little sleep and lots of tuner-uppers . . . but a hell of an effort . . . at least nothing blew up! (K6OYE). I have returned to California and hope to be signing W6NV in the San Francisco Bay area by next year's ARRL Contest. I spent three years in South Africa and made approximately 45,000 hf QSOs (ZS6WW/W6NV). No opening from here to North America on Saturday, 17th of March. Could hear the U.S.S.R. stations working the USA (GM3LYV). Please tell some Idaho stations to come on for cw. Only ever worked one in over 15,000 QSOs (GU4CHY). The one-weekend format makes the affair a little more anxious. Could prove to be damned frustrating when the sunspots hit the down slope (K7QA). It was interesting operating with my call WH4AAA for a combination of reasons. Since this is a new call since December and the only one of its kind, I had trouble convincing people to work me. I got more calls from DX stations than from U.S. stations. I guess the statesiders and VEs thought I was somewhere in W4-land. Got the brush-off from a lot of people, who after hearing my prefix, would immediately call another CQ (WH4AAA). AG0U was like a ham without a country. Most U.S. knew where I was and would not call me. DX didn't know where I was, so wouldn't work me. Had one chap who (a DX station) kept telling me "no DX pls." Hi! (AG0U). Hadn't entered a contest since 1958! Couldn't resist when I heard all the activity on Friday night (K6IGZ). Virtually everything except the roof over our heads was packed into my Toyota and trucked over the mountains to the other side of Italy. In any case, I'm happy to have provided a country which otherwise would have not been on (M11/W3US). This is my first serious entry and this is due to the new 48-hour, one-weekend format. Please retain it (E13CP). WB8LSN totalled his car by hitting a telephone pole on Saturday morning on his way here to operate. What a pileup! The only one he ended up working that morning (WB8DQP/WB8JBM). EI1DD is a club station of a scout troop in Dublin. This is their first entry in the contest. All the antennas were homebrew wire beams. A wide-spaced lazy H was used on 10 m, three elements on 15 m, and a two-over-two driven array on 20 m. The antennas were all hung on two trees beside the scout den. There was more wire than branches! (EI2CA/EI1DD). I used my TRS-80 computer to weed out my duplicate QSOs. Sure saved a lot of time and it also helped me to get a lot of additional statistics (XE1ZZA). As a matter of interest, my 1939 ARRL DX Competition entry showed 95 QSOs in 10 districts. TX at that time had a type 46 tube in the final with 10 watts input. RX was an HRO. I see several stations in my log now that I worked on that occasion in '39, who are, like myself, still at it. W3KT is one that I notice (GW3JI). It was the 35th ARRL CW Contest that I've entered (F8VJ). This contest is a real pleasure to operate because of the good operating practices of the U.S. stations. When you have a 30-dB pileup on stands by so that you can copy an S-4 W7, that is very good operating indeed! (F2SI). I am still completely good operating indeed! (F2SI). I am still completely floored by the actions of the multi-multi stations, who wreck the entire band by their tactics. Their continuous CQs block other stations from working the DX that the multi-multi has just worked. They do not hesitate to tell one to "get off their frequency." Can't you run a separate test for the multi-multis or give them a specified part of each band where they can fight among themselves instead of hogging the entire band? (W2AYJ). This was my first entry into the DX test in 24 years and lots of fun. The highlight of the contest for me was running across DL3AO, who was my first DL QSO back in 1956. He was also a letter-writing friend with whom I'd lost contact over the years. Rolf was working stations like crazy, but when I broke the pileup, he was kind enough to QSY for a chat. Yes, it would be nice to make a million points or QSOs in the test, but the pleasure of renewing an old acquaintance cannot be measured (W9GXR). . . . for me, the contest was a fine way to learn about the states of the U.S. (SM6JHO). After staying up all of Friday night, I got to bed about 9:30 A.M. local time. About 12 noon, the local policeman dropped by about a TVI complaint that he had received. He was much more understanding when I told him that I could hear the police radio on my audio filter! Thoroughly enjoyed operating the test from this side of the pond! Forty is a bit rough though. A clear frequency is where the S meter gets down to S9 (G5CMX/N8ET). I did very well as I only use dipoles and a barefoot rig. Enjoyed

Affiliated Club Competition

Unlimited Class	Points	Entries	Phone Winner	CW Winner
Frankford RC	83,419,185	126	W3BGN	W3BGN
Northern CA CC	65,734,102	107	W6BH	N6RO
Potomac Valley RC	63,381,981	93	W3GRF	W3LPL
Yankee Clipper CC	54,029,376	75	K1GQ	K1GQ
Medium Class				
Murphy's Marauders	12,873,624	24	K1PR	K1ZZ
Western Washington DXC	12,121,804	40	K7RI	K7RI
Ill-Wind Contesters	8,164,176	12	W9RW	W9RW
Wireless Inst of NE	4,909,017	24	W2RQ	W2AZO
Gloucester County ARC	4,466,025	12	AA2Z	W2SUA
Flyweight DX Group	4,018,506	21	AB4H	AB4H
Eastern Iowa DXA	3,774,482	21	W0WHP	W0WHP
Northern CA DXC	3,725,940	26	N6OJ	N6AN
Willamette Valley DXC	3,607,899	10	W7EJ	W7NI
Kansas City DXC	3,585,395	22	W0GNX	N0TT
Point Radio Opr. Soc.	2,814,765	11	W3IW	K3MD
Southeastern DXC	2,683,278	21	WA4QMQ	N4HI
South Jersey RA	2,322,477	13	WA2VYA	WA2VYA
Ohio Valley ARA	1,355,259	12	N8FU	K8BA
Northern Ohio DXA	1,265,886	12	K8HV	W8QWI
Lake Success RC	456,141	12	W2SGK	W2SGK
Local Class				
Central Virginia CC	5,486,820	9		N4HB
Sevier County ARC	2,371,575	6	K4XU	K4XU
Brown University ARC	1,400,121	5		K1AD
Redstick DXA	1,323,378	8	WA5IGD	WA5IGD
Meriden ARC	1,252,794	7	K1VDF	W1KKF
Buffalo Area DXC	976,098	8	W2RR	WA2ECA
North Florida ARS	816,585	3		
Motorola ARC	806,886	3		
Grumman ARC	781,020	9	W2INJ	K2OB
Lynchburg ARC	658,161	6		N4UA
Old Barney ARC	617,019	6	N2CW	
Alamo DX Amigos	538,977	8	N5HB	N5HB
Four Lakes ARC	497,862	6	K9QXY	
Waukegan VHF Soc. & ARC	432,897	6	W9TA	K9IW
Sheboygan County DXA	370,556	8	K9XJ	
Poughkeepsie ARC	309,765	6		
Carbon ARC	296,991	7	N3IK	N3IK
ARINC ARC	277,728	5	W3PWO	
Motor City ARC	239,261	6	K8SIA	K8SIA
Larkfield ARC	162,846	5	N2OZ	
Chicago Radio Tfc Assn	100,839	4		W9HPG
Big Rapids ARC	31,218	3		WA8TFA
Unconfirmed Club Totals*				
North Texas CC	13,176,222	40		
Southern CA DXC	7,480,608	17		
Mad River RC	7,349,191	12		
Indy DXers	6,531,270	10		
Texas DX Society	5,921,676	13		
San Diego DXC	5,555,427	7		
Northern Illinois DXA	4,815,561	12		
Twin City DXA	4,151,175	7		
Central Arizona DXA	3,388,848	10		
Michigan DXA	3,163,526	14		
Brightleaf ARC	2,301,213	10		
Halifax ARC	2,250,120	4		
MSCRC-Texas A&M	2,237,888	3		
Virginia Century Club	1,953,789	10		
Boiled Owls of NY	1,475,764	6		
AR Transmitting Soc.	1,341,996	3		
Neenah-Menasha ARC	952,554	3		
Greater Milwaukee DXA	678,274	6		
Northern Ohio ARS	662,052	4		
Memphis DXS	645,450	8		
Winnipeg DXC	611,178	5		
Kettle Moraine RA	469,516	6		
Northern Repeater Assn.	261,726	3		
Ventura County ARC	248,347	7		
Albany ARC	212,712	5		
Columbus ARA	201,036	3		
Southern Calif. C. Group	200,238	3		
Lubbock ARC	74,673	4		
Mississippi Valley DX&CC	44,697	3		
Great South Bay ARC	29,844	3		

*No club roster received, not eligible for awards.

Multiplier Leaders — CW

Single Op — All Band

Station	1.8	3.5	7	14	21	28	Total
K1GQ	9	50	60	71	63	66	319
W2IB	6	42	45	63	73	63	292
W3LPL	10	42	55	65	68	69	309
N4AR	-	20	50	77	67	69	283
W5UN	-	19	50	84	66	67	286
N6RO	3	21	56	57	69	68	274
K7RI	-	16	43	58	59	52	228
K8NZ	-	24	54	68	63	60	269
K9DX	1	30	55	70	56	64	276
KØZZ	7	26	49	64	65	64	275
VE2AYU	-	21	31	55	54	52	213

High Band

W1YN	-	-	-	62	61	57	180
AE2A	-	-	-	74	70	61	205
K3VW	-	-	-	71	79	70	220
WN4KKN	-	-	-	65	56	55	176
W5MYA	-	-	-	57	67	63	187
N6ZZ	-	-	-	52	63	58	173
K6LL/7	-	-	-	46	65	59	170
W8WPC	-	-	-	61	65	63	189
W9OA	-	-	-	54	66	59	179
WØUO	-	-	-	64	59	56	179
VE6KW	-	-	-	59	58	55	172

Low Band

K1VTM	-	-	81	-	-	-	81
W2ER	-	41	65	-	-	-	106
WB3AVN	-	40	61	-	-	-	101
WB4BVY	5	35	58	-	-	-	98
K5UR	4	32	63	-	-	-	99
N6DM	-	13	33	-	-	-	46
K7UR	-	19	63	-	-	-	82
W8UVZ	1	24	62	-	-	-	87
N9DX	1	24	61	-	-	-	86
KØKX	-	-	52	-	-	-	52
VE5RA	-	14	46	-	-	-	60

Multi-Single

K1RU	2	32	41	65	60	57	257
N2MM	2	37	54	75	64	65	297
W3AU	-	38	64	78	76	80	336
N4RR	8	42	71	72	68	70	331
K5JA	-	16	39	67	65	67	254
N6IG	5	18	55	70	74	65	287
K7WQD	-	2	23	42	46	49	162
AD8P	-	22	47	50	57	61	237
N9NS	-	4	18	50	56	49	167
WØHP	6	23	59	72	68	63	291

Multi-Multi

N2AA	19	68	78	95	81	82	423
W4BVB	26	65	86	94	96	84	451

Multiplier Leaders — Phone

Single Op — All Band

Station	1.8	3.5	7	14	21	28	Total
K1PR	1	32	46	82	67	91	319
N2LT	-	33	41	73	81	78	306
W3BGN	-	36	35	79	73	74	297
N4RV	-	29	40	77	80	98	324
K5KLA	-	8	18	68	62	78	234
W6BH	-	11	30	80	62	70	253
K7RI	-	9	17	51	49	50	176
N8JW	-	22	48	67	78	67	282
W9ZRX	-	22	45	74	76	88	305
KØZZ	-	11	20	74	78	73	256
VE7BTB	-	4	8	51	47	60	170

High Band

W1UR	-	-	-	70	73	67	210
N2CW	-	-	-	74	69	73	216
K3VW	-	-	-	70	73	89	232
N4KG	-	-	-	75	70	89	234
W5FO	-	-	-	75	75	75	225
WA6DBC	-	-	-	51	51	51	153
K6LL/7	-	-	-	38	57	74	169
WB8JBM	-	-	-	73	66	67	206
K9DX	-	-	-	80	85	85	250
WØYK	-	-	-	62	57	71	190
VE3BVD	-	-	-	87	77	74	238

Low Band

W1FC	6	62	43	-	-	-	111
K2IGW	-	22	54	-	-	-	76
W3PC	-	7	27	-	-	-	34
K4VT	-	30	57	-	-	-	87
K5UR	1	23	33	-	-	-	57
AE6U	-	5	11	-	-	-	16
N7SW	-	16	10	-	-	-	26
K8SMC	1	18	56	-	-	-	75
W9RN	-	24	47	-	-	-	71
WAØTKJ	-	10	31	-	-	-	41
VE3BBN	1	25	-	-	-	-	26

Multi-Single

K1ZZ	1	51	50	86	76	87	351
N2MM	-	31	43	83	71	80	308
K3NZ	-	18	35	87	80	70	290
N4RR	-	32	42	77	73	78	302
K5JA	-	22	47	78	80	86	313
W6RDF	-	12	21	75	65	69	242
K7SP	1	17	20	71	65	63	237
AG8W	-	3	21	77	56	72	229
K9KU	-	12	29	78	77	78	274
KØKX	-	10	47	87	75	83	302
VE1DXA	5	33	41	79	73	97	328

Multi-Multi

W2PV	9	70	70	133	121	126	529
N2AA	13	63	68	125	110	111	490

the contest thoroughly. However, I made more mistakes in typing up the log than I did points! (WD4ELG/6). I'm going to be very disappointed if the fellows with their machines sending "QRZ Contest" come up with big scores. I seldom heard them working anybody. Also very annoying were some of those same guys getting on a DX station's frequency and as soon as they had made contact, proceeded to set their machines going with "QRZ Contest," thereby blocking any possibility for others to make a contact. Seems to me that is deliberate interference (WØLP). Conditions were considerably improved this year over past years. . . . Guernsey is a "fair-to-middlin'" location to contest from too! Ten meters scared the hell out of me on Saturday during the phone contest. I kept checking to see *when* it was going to open . . . never even considered that it might not open at all . . . and it *didn't* open. Many fellows asked me throughout Saturday night and Sunday morning how I had done on 10 on Saturday afternoon. A grand total of 8 QSOs and I had to call *every* one of them — no one would answer my CQs. Made up for it somewhat on Sunday though with 781 more QSOs and 49 more multipliers. Another *almost* ionospheric disaster cheated and beaten (GU5CIA/K5MM). I

enclose the G3OUR entry in the 1979 DX Phone Contest. Although you have cut it to one weekend per mode, we made nearly as many QSOs as last year and got quite a few more multipliers. . . . As last year, there was an EME 'test on the weekend of the contest and when club members G3WDG and G3YGF weren't busy on 432-MHz EME, they were conducting propagation tests on 10 GHz. Surely, no other clubs entering the contest had such a wide range of other activities going on at the same time! (G4BUO/G3OUR). Well, I knew it would look stupid to claim 4Q2OM, but cuss it: (1) There was an opening then; (2) He had the correct strength; (3) He had the right azimuth; (4) I need Ceylon. So what the hell. (Lotsa others figured the same I guess, cuz he had a helluva a good pileup.) (W1ERW). Just before the CW 'Test, I connected a loading coil to the end of my 10-meter ground plane (along with some more radials) and, although I did not get it adjusted properly, it worked better than anything that I have tried before. Beginning to believe that there is more to these vertical antennas than I had realized and intend to do more with them as time permits (W9HE). Enjoyed the phone DX Competition immensely, but was slightly hoarse afterward (Hi!). Hope to operate in the 'test again next year. 73 and may your logs be dupeless (WB1EKH).

FEEDBACK

Please note the following corrections to the results of the 1978 ARRL DX Competition — found starting on page 75 of the October 1978 issue of QST.

Add K2FL with the line score — 1,010,286 — 1059 — 318 — C — 64 to the single-operator (all band) phone list (second place) in Southern New Jersey.

W2UI (+ N3KR) 552,120 — 760 — 229 — C — 65 should be inserted in the multi-single phone listings in Southern New Jersey.

In the low band — phone listings for VE, VE3BBN should be listed under Ontario *not* Quebec, and the line score for VE4SL should read 8319 — 59 — 47 — C — 16.

The score listed for ZL1AFW under single-operator (all band) phone headings should have been under cw *not* phone.

The call sign listed as PJ7CL under North America single-operator cw should be changed to PJ7VL.

Single-operator cw, Oceania KH6JHT is really KH6JHJ.

Last, but certainly not least, KL7IDT with a line score of 10,260 — 95 — 36 — A — 8 was omitted as the high-band winner for Alaska in North America.



JJ1SOE



EL2AV



(L to r) N3AM, K3RT and W3GG — W3GG, M-S, cw, Maryland - DC.

SCORES

DX scores are listed by mode, category, (single-operator high band, low band; multioperator — single transmitter, multioperator — multitransmitter) and

alphabetically by prefix within each continent. The scores are listed in descending numerical order.

U.S. and Canadian scores are listed under same category headings, but ARRL sections and numerical call areas are the subdivisions.

Line scores. Example: WA1SSH 1,101,600 points

— 1224 QSOs — 300 multipliers — A power. The letter in the line score denotes the highest level of power input used where A is up to 10 watts, B is between 11 and 200 watts, C is more than 200 watts and less than 500 watts and D is power input over 500 watts.

DX

Single Operator

Africa
EA8OZ 1,360,800-2100-216-D
ZS6WW 708,615-1629-145-B

Asia
HS1ABD 450,120-1240-121-D
JR1MTQ 855,600-1550-184-D
JE1FZF 686,952-1363-168-B
JR1GSE 239,649-629-127-B
JA9CWJ 148,500-450-110-B
JA1IZ 117,000-375-104-D
JK1GDD 82,431-387-71-B
JA8SW 69,498-286-81-B
JH1MTR 60,237-291-69-B
JR3WXA 58,404-314-62-B
JR2QUZ 35,931-203-59-B
JR2PVI 35,520-185-64-B
JA7FFN/1 27,000-150-60-B
JA1CGT 23,961-163-49-B
JK1AJX 7533-93-27-B
JA7AEM 2184-56-13-D

Europe
CT1DW 564,705-1335-141-D
DK8AX 74,790-277-90-B
DM2CUO 346,104-1012-114-B
DM3YQO 294,723-687-143-C

EA3ADW 1,650,060-2670-206-D
EA2IA 455,718-1006-151-C

G3ZQW 2,088,891-3269-213-C
G4BWP 664,548-1402-158-C

GUSCIA(K5MM,opr)
2,910,064-4182-232-B

GW3SLA 47,637-201-79-B
OE5CWL 926,100-1764-175-C

OH1AD 622,875-1376-151-D
OK1AGN 35,754-201-59-C
OK3RMW 420-14-10-C

ON6JG 142,290-465-102-B
PA2TMS 1,509,390-2705-186-C

SM5CAK 215,943-637-113-D
UA3PAZ 100,170-315-106-B
UP2NV 136,710-434-105-B

ZB2G(K2FJ,opr)
137,286-526-87-D

North America
W2GV/C6A 237,330-879-90-B

KL7HR 1,350,018-2514-179-D
KL7AF 490,560-1120-146-D

J6LFZ 94,860-372-85-B
K1XX/VP9 3,690,411-4573-269-D

XE1OW(N5AU,opr)
4,815,930-6035-266-B

Oceania
KG6JHW 161,802-534-101-B
KH6IJ 3,099,888-4532-228-D
KH6WF 2,933,952-4144-236-D
W7NI/KH6 2,458,278-3331-246-D

VK4VU 1,560,000-2500-208-B
VK5BW 8463-91-31-C
ZL1ADI 2,611,125-4125-211-B
ZL1AGO 8832-92-32-A

South America
CE3XV 186,576-676-92-D
HC1BU 3,159,195-4765-221-C
WA4UAZ/HCI 1,561,662-2577-202-C

W1BIH/PJ2 2,268,450-3550-213-D
PT7WA 419,175-1035-135-B

High Band
EA8LS 395,436-1063-124-B
EA8SR 43,344-258-56-A

EL2AV 1,709,316-3724-153-D
S79MC 4002-46-29-B
ZS6ABO 431,121-1097-131-C

5H3BP 338,484-842-134-C
9L1KB 3060-51-21-B

Asia
A9XBS 3480-58-20-C
HL9UW 13,224-182-29-C

JA3USA 775,278-1758-147-D
JA2VUP 629,880-1448-145-B
JA2YKA(JH2QX,opr)

459,810-1179-130-B
JA1PCY 411,078-1046-131-B
JA7BAX 379,332-1028-123-D

J1ICE 770,176-914-135-B
JA7BSK 289,200-964-100-C
JH1VRQ 285,920-797-120-B

JH1QBC 235,840-740-107-B
J1JNUB 234,825-775-101-B
JA6YAI(JA6XW,opr)

233,400-778-100-B
JA1CG 214,920-597-120-B
JA1WAE 204,129-613-111-B

JF1SEK 186,945-605-103-B
JG1IVI 148,596-812-61-B
JH1OBS 140,544-488-96-B

JA1OHD 132,252-428-103-D
JA2FSM 111,072-416-89-B
JR3XEX 82,698-358-77-B

J7916 79,816-302-86-B
JA9SV 76,014-309-82-B
JF1EEK 74,016-514-48-B

JA1ALX 68,172-299-78-B
JA1PL 66,360-280-79-C
JA1PUK 60,168-436-46-B

JA2AYH 54,834-247-74-B
J1JCN 52,999-256-69-B
J1JPL 51,273-211-81-B

JF3KNQ 49,434-214-77-B
J11KUV 43,776-256-57-B
JA7B 39,648-224-59-D

JH1UT 33,957-231-49-B
JA1WL 29,241-171-57-D
JE2PKD 28,905-235-41-B

JA1QLB 23,421-211-37-B
JA5J 21,000-140-50-D
JA7BJ 20,412-162-42-B

JA5EG 17,952-136-44-B
JA1PL 16,830-170-33-B
J1IGGG 16,380-118-47-B

JA1BD 16,188-142-38-B
JA1EHA 16,600-130-40-B
JA1VZM 14,580-135-36-B

JA6CM 13,500-125-36-B
JA7UFZ 11,322-102-37-C
JA7BA 10,200-85-40-B

JA1GTF 9975-95-35-C
JF2DQJ 9504-132-24-B
JA3KIS 9282-91-34-B

JA7CUK 8775-117-25-B
JA6AKV 8730-97-30-B
JF3CEC 8064-112-24-B

JASSPQ 7680-80-32-B
JE2GHC 7640-115-22-B
JA6AZQ 6713-83-27-B

JA1BGW 6600-100-22-B
JA3IBB 6486-94-7-B
JA1BZM 6225-83-25-B

JA2TKO 5589-69-27-B
JA1LX 5168-69-26-B
JA8GT 5346-66-8-B

JA1KPA 5106-46-37-B
JR2MKV 4425-59-25-B
JH6LQL 4140-69-20-B

JH4MLJ 4080-80-17-B
JA6XX 3726-69-18-B
JA1FO 3660-61-20-B

JF2BIP 3249-57-19-B
JA7ARW 2583-41-21-B
JA8VDN 2379-61-13-B

JRAAB 2193-43-17-B
JA3FZ 2124-59-12-D
JA1ABV 1470-35-14-B

JE2UXA 1419-43-11-B
JF2FHQ 1230-41-10-B
JA3QZ/W1 1140-20-19-B

KA6NN 984-41-8-B
J1KICX 972-27-12-B
JF1HCE 735-36-7-B

JF2FLN 648-27-8-B
JH9HBC 648-24-9-B
JF1VDG 480-20-8-B

F6BVB 672-20-8-B
JE3XWJ 360-20-6-B
JA7HYS/1 357-17-7-B

JA1AAT 351-13-9-B
JH9HC 231-11-7-B
J11UHU 210-10-7-B

JF1ORR 150-12-5-B
JG1WRM 105-7-5-B
JASPEE 72-6-4-B

JH9LL 72-6-4-B
JH7EE 30-5-2-B
JG1FZG 27-3-3-B

JK1MWW 3-1-1-B
JT1AN 8448-128-22-B
JT1BG 1665-37-15-B

UW9IX 285,936-1036-92-B
UV9P 284,589-921-103-B
UA9MR 131,100-437-100-B

UA9U 106,266-398-89-B
UA9SA 58,293-381-51-B
UA9CCW 28,896-172-56-B

UA9FDS 16,767-207-27-B
UA9LBY 16,665-101-22-A
UA9CBO 5772-74-26-B

UA9QAQ 5376-64-28-B
UA9UBG 396-66-6-B
UD6DER 1449-23-21-B

UF6CZ 1782-33-18-B
UF6CX 405-15-9-B
UL7QF 54,168-244-74-B

UL7GBD 1716-44-13-B
UL7PB 546-26-79-B
UL7GBW 120-8-5-B

UJ8LAF 1518-46-11-B
UJ8GJ 6300-84-25-B
9K2FX 224,976-688-109-D

Europe
CT4NH 285,714-962-99-B
CT1TM 124,146-418-99-D

DM2BDG 129,402-553-78-B
DM3RMO 97,980-355-92-C
DM3XM/DM3WVJ 21,780-132-55-B

DM4WFF 15,222-118-43-B
DM2CXE 9324-74-42-B
DM2BRK 4924-61-27-B

DM5WGL 4260-71-20-B
DM2AH/A 2580-43-20-B
DM3NME 1620-36-15-B

DM3JL 1200-31-13-B
DM2AJH 105-7-5-B
DM2ATL 60-5-4-B

EA3SA 646,650-1437-150-D
EA1OX 523,908-1386-126-D
EA4KC 186,966-611-102-B

EA2OJ 173,729-511-113-B
EA1UZ 110,271-623-59-B
EA2QU 86,130-330-87-B

EA1YL 13,250-265-50-B
EA4ZO 11,904-124-32-B
EA2HW 6966-86-27-B

EA7ALG 4758-61-26-B
EA4WC 1683-33-17-B
EA5ND 273-13-7-B

EA6DE 62,160-280-74-B
EI2BB 718,620-1711-140-B
F2SI 1,751,358-3626-161-B

F2RO 88,088-325-91-B
F6BVB 672-20-8-B
F9OJ 43,680-224-65-B

F6EXQ 29,322-181-54-B
F6CLM 14,430-130-37-B
F6AP 9156-109-28-B

F6BHX 8728-96-31-B
F6DMV 4686-71-22-B
F6DRP 928-24-16-B

G3ZAY 517,449-1259-137-C
G3TTJ 506,709-1149-147-C
G3TVP 449,680-1180-127-C

G3UFY 394,212-988-133-C
G2QT 315,186-802-131-B
G3CAZ 242,136-684-118-C

G3V 250,688-194-31-C
G4AHO 87,174-334-87-B
G3ZHL 74,700-300-83-B

G2MI 54,000-240-75-B
G3NT 29,668-184-31-C
G3XFW 15,660-345-76-C

G4HLN 13,500-150-30-B
G3RAM 7452-108-23-B
GM4EJW 81,144-392-69-C

GM3RAO 40,425-245-55-B
GM4CHX 11,187-113-33-B
GU3VY 89,784-348-86-B

GW3SJX/M 7296-76-32-B
HA4KYV 165,462-506-109-C
HA5KBM 113,148-449-84-B

HA1ZD 66,339-243-91-B
HA2KRZ 24,174-158-51-B
HA4XX 9078-89-34-B

HA9IG 8058-79-34-B
HA9HW 5037-73-29-B
HA9MM 3900-50-26-B

HA9KLL 759-23-11-B
HA6NP 486-18-9-B
HB7AUS 276,381-861-107-D

HB9DX 128,436-668-109-C
HB7BEI 146,916-583-84-C
IMPO 1,702,506-3358-169-C

IGNOA 1,545,294-3103-166-C
HA1ZD 613,600-1461-140-C
IG3NX 510,540-1270-134-C

LA4HH 33,864-166-68-B
LA2GV 29,328-188-52-C
LA9MI 6750-75-30-D

LA2IJ 3612-43-28-B
LA7KW 3120-40-26-B
LA3UG 3000-40-25-B

LA1KG 45-10-D
LA8OW 264-11-8-B
LZ1RF 18,093-163-37-B

LZ1TQ 6750-65-30-C
OE1NPW/3 472,176-1093-144-C
OE6EG 5832-72-27-B

OH1AA(OH3ZE,opr)
511,704-1236-138-D
OH4UI 386,751-941-137-D

OH1LW 385,152-944-136-D
OH2BSS 123,564-494-84-D
OH6PA 22,059-129-57-D

OH3JR 19,488-116-86-B
OH2BSL 15,552-144-36-B
OH2BF5 75-5-5-B

OH0XZ 210,516-662-106-D
OH3TV/OH9 87,120-363-80-D
OK1TA 577,818-1366-141-C

OK3KAG(OK3CIR,opr)
184,758-581-106-C
OK1KZ 29,382-166-59-B

OK1MSN 26,640-148-60-B
OK1DKS 23,562-154-51-B
OK2 21,060-180-39-B

OK3CFP 18,603-117-53-C
OK1KUR 14,880-124-40-B
OK2VAX 13,104-159-28-B

OK2ABU 12,513-97-43-B
OK1ASQ 10,500-100-35-B
OK1MPP 7728-92-28-B

OK2BSA 7176-92-26-B
OK3KAP(OK3CIG,opr)
4025-47-25-C

OK2PCR 3498-53-22-B
OK1KIR/P 43,201-172-40-C
OK1PFJ 1940-20-20-B

OK2BPS 1209-31-13-B
OK2BJJ 279-11-9-B
OK1AOJ 284-11-8-B

ON6NL 241,782-683-118-B
ON4XG 172-10-6-B
ON5NR 11,232-78-48-B

OZ5EV 270,270-693-130-C
OZ6XR 43,201-172-40-C
OZ8T 39,585-203-65-B

OZ7MP 6405-61-35-B
OZ9OL 5376-64-28-B
OZ2BM 3468-34-34-B

OZ7SG 3450-50-23-B
OZ1AP 2108-21-8-B
OZ5JR 1620-30-18-B

OZ7DX 1056-22-16-B
PA9MUN 164,400-548-100-B
PA9ATV 130,500-500-87-B

PA9EP 43,680-224-65-B
PA9FRS 42,336-224-63-B
PA9INE 250,278-707-18-C

PA9IJM 15,375-125-41-B
PA9CF 2625-35-25-A
PA9VP 1380-23-20-B

PA9GOE 1248-26-16-B
PA9VST 320-16-10-B
SM3EVR 854,670-1838-155-C

SM6ECC 64,332-1452-21-C
SM9AGD 579,360-1420-136-D
SM9GMZ 432,552-1077-134-C

SP9KBY(SP5GRM,opr) 206,388- 637-108-B SP9CTW 39,060- 210- 62-C SP5BR 22,464- 144- 52-B SP9HYK 7243- 93- 17-B SP6JZL 312- 13- 8-B	WA1SQB/HCB 1,750,131-3579-163-D LU1BR 472,290-1211-130-D OA4ASX(K1MM,opr) 1,965,639-3877-169-C	JA8YXI(JA8s ERG JCR OYC QCB XYB,opr) 88,200- 350- 84-D JA1YPQ(Multiopr) 72,036- 348- 69-B JA3ZTU(JH3s OTS SBC SBE, opr) 32,400- 240- 45-B	HA7KSV(5 oprs) 372,957- 944-131-B HA5KKB(3 oprs) 75,575- 155- 55-B HA4KYH(3 oprs) 22,512- 134- 56-B HA6KVD(3 oprs) 14,868- 118- 42-B HA5KFU(3 oprs) 6120- 68- 30-B HA8KVB(2 oprs) 2625- 35- 25-B	UK5MAF(4 oprs) 449,004-1054-142-B UK5IFM(2 oprs) 126,630- 469- 90-B UK5QBE(Multiopr) 123,624- 408-101-B UK5EAQ(5 oprs) 51,972- 284- 61-B
UW1AE 282,801- 881-107-B UA1MU 244- 63- 8-B UA4CAK 14,787- 159- 31-B UA4ZA 13,050- 87- 50-B UA3TN 8118- 82- 33-B UA1AWO 2295- 15- 8-B UA3TK 4212- 54- 26-B UA3DDF 4125- 55- 25-B UV3GZ 4071- 61- 23-B UA3AGG 2295- 15- 8-B UA4ACP 2139- 31- 23-B RA1ARX 684- 19- 10-B UV3CS 570- 19- 10-B	UBSMCS 469,104-1348-116-B UB5WCB 87,360- 416- 70-B UB5ABW 48,555- 249- 65-B UB5VAZ 41,022- 318- 43-B UT5OV 21,060- 130- 54-B UP2PAQ 198,240- 590-112-B UP2BAS 2520- 40- 21-B	UK9CAB(2 oprs) 48,786- 346- 47-B UK9OB(3 oprs) 34,371- 201- 57-B UK9SAV(3 oprs) 20,358- 174- 39-B UK9HAD(3 oprs) 3243- 47- 23-B UK7NAQ(UL7s NAC NAL NAT, opr) 16,685- 219- 35-B	HA8KVB(2 oprs) 2625- 35- 25-B HB7BLQ(+HB9s AGC ALM BAL) 409,812- 962-142-C HB7LF(HB9s BOQ BTU,opr) 136,080- 504- 90-B H9JX(+H9s IJ MGM) 2,818,590-3998-235-C H1JZ(+H1s OFS EVJ FNX KN LBH,IW1PDP,W3US) 2,347,011-3301-237-C LA1K(LA2PV,LA3GW,LA5s EV KQ,LA6s MP MU,LA8s BU KV NW,LA9HT,opr) 385,047-1097-117-D LA3T(LA1BP,LA3TQ,LA5II, LA7SP,opr) 140,220- 492- 95-C	UK2AAB(3 oprs) 24,021- 157- 51-B UK2BAS(3 oprs) 1,103,976-2152-171-B UK2BBK(UP2s BAS B8F MB, opr) 370,427-1093-113-B UK2GKW(2 oprs) 1,469,820-2620-187-B UK2GAB(3 oprs) 39,690- 294- 45-B YU4FRS(Multiopr) 1,549,710-2570-201-D YU3DJR(+YU2RTG, YU3TKB) 100,128- 596- 56-B
YU2BHI 340,821- 971-117-B YU3TEL 340,470- 913-117-C YU1AJD(YU1ORS,opr) 10,692- 132- 27-B YU1OON 1197- 21- 19-B	YU2BHI 340,821- 971-117-B YU3TEL 340,470- 913-117-C YU1AJD(YU1ORS,opr) 10,692- 132- 27-B YU1OON 1197- 21- 19-B	DL0AA(DK8FZ,QLI,YD,DL6KB DL8NU,opr) 2,629,620-3790-226-C DJ5IW(+DK9CW,DL1VU, DL9PT,OE2VEL) 922,746-1657-186-D DA2QF(DA1SC,DA2QE, DA4AA,DF2YS,opr) 234,825- 775-101-C DM2AYK(+DM2s CEK DTK DUK) 1,701,540-2740-207-C	OK1KRG(OK1s ALW DWA, opr) 1,369,347-2317-197-C OK1KPU(OK1s IDX,opr) 757,593-1791-141-C OK3VSZ(Multiopr) 117,549- 353-111-C OK3KTY(Multiopr) 70,448- 356- 66-C OK1KTW(Multiopr) 21,750- 125- 58-B OK1KCF(Multiopr) 2520- 40- 21-B OZ7SAC(Multiopr) 101,640- 385- 88-B	VP2DXC(AB8Y,W8UVZ,WB8s LDH OFG,opr) 4,925,154-6058-271-D XE1MDX(XE1s FX GBM LCH OD OX,opr) 3,084,480-4320-238-B
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YU2BHI 340,821- 971-117-B YU3TEL 340,470- 913-117-C YU1AJD(YU1ORS,opr) 10,692- 132- 27-B YU1OON 1197- 21- 19-B	YU2BHI 340,821- 971-117-B YU3TEL 340,470- 913-117-C YU1AJD(YU1ORS,opr) 10,692- 132- 27-B YU1OON 1197- 21- 19-B	DL0AA(DK8FZ,QLI,YD,DL6KB DL8NU,opr) 2,629,620-3790-226-C DJ5IW(+DK9CW,DL1VU, DL9PT,OE2VEL) 922,746-1657-186-D DA2QF(DA1SC,DA2QE, DA4AA,DF2YS,opr) 234,825- 775-101-C DM2AYK(+DM2s CEK DTK DUK) 1,701,540-2740-207-C	OK1KRG(OK1s ALW DWA, opr) 1,369,347-2317-197-C OK1KPU(OK1s IDX,opr) 757,593-1791-141-C OK3VSZ(Multiopr) 117,549- 353-111-C OK3KTY(Multiopr) 70,448- 356- 66-C OK1KTW(Multiopr) 21,750- 125- 58-B OK1KCF(Multiopr) 2520- 40- 21-B OZ7SAC(Multiopr) 101,640- 385- 88-B	VP2DXC(AB8Y,W8UVZ,WB8s LDH OFG,opr) 4,925,154-6058-271-D XE1MDX(XE1s FX GBM LCH OD OX,opr) 3,084,480-4320-238-B
YU2BHI 340,821- 971-117-B YU3TEL 340,470- 913-117-C YU1AJD(YU1ORS,opr) 10,692- 132- 27-B YU1OON 1197- 21- 19-B	YU2BHI 340,821- 971-117-B YU3TEL 340,470- 913-117-C YU1AJD(YU1ORS,opr) 10,692- 132- 27-B YU1OON 1197- 21- 19-B	DL0AA(DK8FZ,QLI,YD,DL6KB DL8NU,opr) 2,629,620-3790-226-C DJ5IW(+DK9CW,DL1VU, DL9PT,OE2VEL) 922,746-1657-186-D DA2QF(DA1SC,DA2QE, DA4AA,DF2YS,opr) 234,825- 775-101-C DM2AYK(+DM2s CEK DTK DUK) 1,701,540-2740-207-C	OK1KRG(OK1s ALW DWA, opr) 1,369,347-2317-197-C OK1KPU(OK1s IDX,opr) 757,593-1791-141-C OK3VSZ(Multiopr) 117,549- 353-111-C OK3KTY(Multiopr) 70,448- 356- 66-C OK1KTW(Multiopr) 21,750- 125- 58-B OK1KCF(Multiopr) 2520- 40- 21-B OZ7SAC(Multiopr) 101,640- 385- 88-B	VP2DXC(AB8Y,W8UVZ,WB8s LDH OFG,opr) 4,925,154-6058-271-D XE1MDX(XE1s FX GBM LCH OD OX,opr) 3,084,480-4320-238-B
YU2BHI 340,821- 971-117-B YU3TEL 340,470- 913-117-C YU1AJD(YU1ORS,opr) 10,692- 132- 27-B YU1OON 1197- 21- 19-B	YU2BHI 340,821- 971-117-B YU3TEL 340,470- 913-117-C YU1AJD(YU1ORS,opr) 10,692- 132- 27-B YU1OON 1197- 21- 19-B	DL0AA(DK8FZ,QLI,YD,DL6KB DL8NU,opr) 2,629,620-3790-226-C DJ5IW(+DK9CW,DL1VU, DL9PT,OE2VEL) 922,746-1657-186-D DA2QF(DA1SC,DA2QE, DA4AA,DF2YS,opr) 234,825- 775-101-C DM2AYK(+DM2s CEK DTK DUK) 1,701,540-2740-207-C	OK1KRG(OK1s ALW DWA, opr) 1,369,347-2317-197-C OK1KPU(OK1s IDX,opr) 757,593-1791-141-C OK3VSZ(Multiopr) 117,549- 353-111-C OK3KTY(Multiopr) 70,448- 356- 66-C OK1KTW(Multiopr) 21,750- 125- 58-B OK1KCF(Multiopr) 2520- 40- 21-B OZ7SAC(Multiopr) 101,640- 385- 88-B	VP2DXC(AB8Y,W8UVZ,WB8s LDH OFG,opr) 4,925,154-6058-271-D XE1MDX(XE1s FX GBM LCH OD OX,opr) 3,084,480-4320-238-B
YU2BHI				

OK1DKW	154,845-465-111-8	JA7FTF	395,460-1014-130-D	UL7QF	156,312-501-104-B	OH2KI	924-28-11-B	UA6AKT	10,584-98-36-B
OK1DCU	122,952-376-109-8	JA2HO	391,860-933-140-B	UL7LCQ	25,803-183-47-B	OH7TV	168-8-7-B	UA3DAM	10,179-117-29-B
OK1KZ	111,672-376-99-8	JA2HO	391,860-933-140-B	UL7GSD	17,206-83-17-8-B			UA4WAG	10,152-94-36-B
OK2SGW	111,132-343-108-B	JA1OHD	336,936-808-139-D	UL7TA	11,113-141-31-B	OK1VK	533,668-1202-148-B	UA3ADQ	9810-109-30-B
OK2BEC	72,675-255-95-8	JA2TK	278,208-672-138-B	UL7C8S	2139-31-23-B	OK3OM	525,690-1298-135-D	UA1WBG	9801-121-27-B
OK3YCA	12,960-120-36-8	JA1OCA	270,945-669-135-B	UL7PBY	441-21-7-B	OK2KMR	(OK25EO,opr)	UA4PGO	8091-87-31-B
OK1TJ	11,660-110-35-8	JA1FEK	112,232-95-11-B			OK3IF	112,785-365-103-B	UA3AAJ	5772-74-26-B
OK3YCV	11,340-90-42-8	JA1BJI	235,692-729-116-B	UM8MBA	66,822-259-86-B	OK3KAP	(OK3CGY,opr)	UA4QK	4896-68-24-B
OK1BLK	9480-79-40-8	JA1DQT	235,014-598-131-C	U2GMO	63,840-280-76-B	OK1FCA	105,429-311-113-B	UV3AP	3600-40-30-B
OK1KIR	48-4-4-B	JA1HLL	225,582-574-131-B	4Z4MB	470,400-1120-140-B	OK1MIN	104,082-418-83-B	UA3XW	2880-40-24-B
ON4XG	329,607-691-159-B	JA1HBR	225,582-574-131-B			OK3CES	65,853-271-81-B	UK3EAL	2448-48-17-B
OZ1LO	2,091,432-2954-236-C	JA1JCC	235,014-598-131-C			OK2SPS	42,303-239-59-B	UA1ADF	21,06-30-18-B
OZ1W	301,968-699-144-B	JA1JCC	235,014-598-131-C			OK1KUR	(OK3CLD,opr)	UA1CFF	336-4-8-B
OZ5WQ	156,210-410-127-B	JA1JCC	235,014-598-131-C					UB5LDP	358,020-918-130-B
PA0TA	66,528-224-99-8	JA1JCC	235,014-598-131-C			OK2KRT	41,736-296-47-B	UB5VY	344,487-803-143-B
PA0PC	18,792-108-50-8	JA1JCC	235,014-598-131-C			OK1KUR	41,736-296-47-B	UB5LR	216,060-554-130-B
SM3EVR	1,299,087-2033-213-C	JA1JCC	235,014-598-131-C			OK2QX	39,639-181-73-D	UB5IIA	160,392-652-82-B
SM6GGM	763,902-1369-186-C	JA1JCC	235,014-598-131-C			OK1FV	35,316-218-43-C	UB5DW	104,232-644-101-B
SM6BZE	390,630-898-145-B	JA1JCC	235,014-598-131-C			OK1DKR	33,123-181-61-B	UK5DAA	(UB5VK,opr)
SM5CAK	235,494-801-98-C	JA1JCC	235,014-598-131-C			OK2PBG	32,724-202-54-B	53,235-273-65-B	
SM6BDS	233,750-570-125-C	JA1JCC	235,014-598-131-C			OK1JHR	29,106-198-29-B	48,312-244-66-B	
SM6AYH	187,256-454-138-B	JA1JCC	235,014-598-131-C			OK3CAN	28,767-223-43-B	46,640-299-52-B	
SM6WCE	159,026-431-135-C	JA1JCC	235,014-598-131-C			OK2SAR	28,665-195-49-B	49,240-285-38-B	
SM5AHK	108,225-325-111-C	JA1JCC	235,014-598-131-C			OK2BUJ	20,670-100-53-B	32,670-242-45-B	
SM5JRE	49,140-120-78-B	JA1JCC	235,014-598-131-C			OK1ASQ	20,424-148-46-B	19,980-202-33-B	
SM5RE	25,404-146-58-B	JA1JCC	235,014-598-131-C			OK3CYU	18,522-126-49-B	15,980-165-49-B	
SM6DOK	17,985-99-55-B	JA1JCC	235,014-598-131-C			OK3FON	14,490-106-35-B	19,140-110-58-B	
SP8ECV	938,694-1549-202-B	JA1JCC	235,014-598-131-C			OK2IL	12,255-95-43-B	10,302-101-34-B	
SP2FKW	67,620-322-70-B	JA1JCC	235,014-598-131-C			OK1AVG	11,703-83-47-B	10,260-114-30-B	
SP9DBA	59,400-300-66-B	JA1JCC	235,014-598-131-C			OK1AOU	11,703-83-47-B	UB5UDC	7392-88-28-B
SP5JTR	28,890-214-45-B	JA1JCC	235,014-598-131-C			OK1ASQ	88,205-105-28-B	UB5EAX	5850-75-26-B
SP9CAV/9	11,904-124-32-B	JA1JCC	235,014-598-131-C			OK1AII	69,800-77-30-B	UB5EWH	5775-77-25-B
UA2FCW	42,180-185-76-B	JA1JCC	235,014-598-131-C			OK1KCF	48,366-62-26-B	UB5JIM	5280-55-32-B
UA2DC	8448-88-32-B	JA1JCC	235,014-598-131-C			OK3CFP	29,673-45-27-B	UB5NQA	4740-79-20-B
UA6APP	300,750-802-125-B	JA1JCC	235,014-598-131-C			OK1BBJ	29,673-45-27-B	UB5JQ	3744-52-24-B
UA3AHF	40,735-117-55-B	JA1JCC	235,014-598-131-C			OK2TBC	28,229-41-23-B	UB5UE	1170-26-15-B
UA3AAH	39,639-181-73-D	JA1JCC	235,014-598-131-C			OK1AIA	24,428-34-24-B	UC2WBI	43,200-300-48-B
UA6AYX	5040-60-28-B	JA1JCC	235,014-598-131-C			OK2FJF	20,424-148-46-B	UC2ACI	31,860-177-60-B
UA3IAK	1653-29-19-B	JA1JCC	235,014-598-131-C			OK2SMO	10,533-27-13-B	3900-65-20-B	
UB5ZDF	652,068-1228-177-B	JA1JCC	235,014-598-131-C			OK3YDP	924-30-11-B	UO5OWN	8370-90-31-B
UB5KAY	13,800-115-40-B	JA1JCC	235,014-598-131-C			OK1AYQ	630-21-10-A	UP2BAT	683,421-1451-157-B
UC2AAD	38,232-236-54-B	JA1JCC	235,014-598-131-C			OK1KCF	48,366-62-26-B	UP2BAR	444,312-1089-26-B
UC2AS	26,649-141-63-B	JA1JCC	235,014-598-131-C			OK1MSO	462-14-11-B	UP2BAO	286,224-712-134-B
UC2WAK	24,453-143-57-B	JA1JCC	235,014-598-131-C			OK2BGN	279-31-3-B	UP2PAC	120,852-373-108-B
UC2SKZ	16,560-120-46-B	JA1JCC	235,014-598-131-C			OK2LBU	273-13-7-B	UP2PAC	29,550-197-50-B
UC2CED	9690-85-38-B	JA1JCC	235,014-598-131-C			OK2ABU	27-3-3-B	UP2BEI	73,202-165-49-B
UP2BBF	44,940-214-70-B	JA1JCC	235,014-598-131-C			ON6FD	380,100-905-140-B	UP2PAQ	8613-99-29-C
UQ2IC	34,155-165-69-B	JA1JCC	235,014-598-131-C			ON6ZW	162,360-492-110-B	UP2BFC	3078-57-18-B
UR2QD	37,449-171-73-B	JA1JCC	235,014-598-131-C			ON6ZW	162,360-492-110-B	UQ2GCU	944,826-2006-157-B
UR2RHF	1824-32-19-B	JA1JCC	235,014-598-131-C			ON6ZW	162,360-492-110-B	UQ2GCU	44,100-350-42-A
Y03CR	306,720-720-142-B	JA1JCC	235,014-598-131-C			OZ1DQX	322,530-827-130-B	UQ2GCU	44,100-350-42-A
Y03AC	172,329-527-109-C	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
Y03Y	11,260-87-45-C	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
Y03Y	11,260-87-45-C	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
YU1OCV	1,409,440-215-216-D	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
YU20B	218,400-117-55-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
YU1OGL	233,224-568-313-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
YU1OON	27,702-162-57-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
YU2BTU	2664-37-24-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
North America		JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
H18MOG	576,840-1265-152-C	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
HP1AC	69,255-243-95-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
J3ABN(WB45GV,opr)	2,462,784-3232-254-D	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
KL7CW	360,960-752-160-C	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
OX3RA	167,040-580-96-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
VP2MOC(K2YY,opr)	3,120,048-3688-282-D	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
VP2MBK(K1JU,opr)	25,284-172-49-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
VP2VI	2,321,520-2845-272-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
XE2NQG(K1AR,opr)	2,374,890-3010-263-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
4U1UN(K25X,opr)	2,378,040-2980-266-C	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
Oceania		JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
WH4AAA	119,952-408-98-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
KH6ND	1,982,508-2612-253-D	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
KH6NO	1,448,523-1987-243-D	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
K9EUV/KH6	547,734-946-193-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
KH6H	58,032-312-62-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
VK2AR	1,195,236-1953-204-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
VK2GW	464,058-889-174-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
VK3QJ	71,190-226-105-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
VK5OR	67,209-211-73-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
ZL3BK	772,512-1238-208-C	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
South America		JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
H2SL	2,073,234-2966-233-D	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
W1BIH/PJ2	2,241,450-2930-255-D	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
PY1DHG	122,094-357-114-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
PT7WA	52,392-236-74-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
YV1NX	982,224-1436-228-D	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
High Band		JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
UA9FAJ	331,731-899-123-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
UA9MR	318,954-901-118-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
UA9NN	250,560-720-116-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
UA9QD	242,400-808-100-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
UA9QWB	123,165-483-85-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
UA9ALB	133,475-425-89-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
UA9AED	77,490-287-90-B	JA1JCC	235,014-598-131-C			OZ1FGS	243,540-660-123-B	UQ2GCU	44,100-350-42-A
UA9CBO	70,755-445-53-B	JA1JCC	235,014						

DM2CUJ	48,441-	241- 67-B
DM3XM	43,560-	264- 55-C
DM3BF	24,948-	189- 44-B
DM2DLE	5642-	83- 27-C
DM2CIM	5544-	88- 21-B
DM2FTL	480-	21- 8-B
F8ZF	50,634-	291- 58-B
G5CMX(N8ET,opr)	65,340-	363- 60-B
HA8UT	15,504-	136- 38-B
HA3PT	8475-	113- 25-B
HA7UG	7056-	84- 28-B
HA8KI	3600-	50- 24-B
HA7SQ	1008-	24- 14-B
HA3KGY	648-	24- 9-B
II2EU	26,220-	230- 38-C
LA5DW	14,625-	125- 39-B
LZ1YG	1440-	32- 15-B
OK1ALW	95,013-	459- 69-C
OK1DCP	3540-	59- 20-A
OK2BUH	2655-	59- 15-B
OK3TDO	1152-	24- 11-C
OK2BMA	264-	11- 8-A
ON6BC	92,664-	429- 72-B
OZ1ERC	46,746-	294- 53-B
PA3AIC	1694-	77- 22-B
SM6EHY	37,620-	228- 55-C
SM6BVQ	1470-	35- 14-C
SP8MJ	5808-	88- 22-C
SP9ASS	4032-	56- 24-B
UA3EAL	23,247-	189- 41-B
UA3AGX	486-	18- 9-A
UT5JD	39,825-	295- 45-B
UB5UWG	8820-	105- 28-B
UC2XX	5412-	82- 22-B
UO5ODA	726-	22- 11-B
UP2NV	40,545-	265- 51-B
UP2OU	25,392-	184- 46-B
UQ2GDW	51,645-	313- 55-B
UQ2GFN	35,343-	231- 51-B
UQ2GEC	4158-	63- 22-B
YO3BEJ	26,751-	241- 37-B
YO3BYF	315-	15- 7-B
YU3DCK	6882-	74- 31-B
North America		
HI8LC	20,700-	150- 46-B
Oceania		
KH6AM	168,636-	611- 92-D
VR3AH	237,876-	787-116-B
ZL2TX	27,900-	186- 50-B
South America		
WA4UAZ/HCI	242,100-	807-100-C
HK3YH	45,045-	231- 65-B

Multi-Single

Africa		
C5ABX(N6VR,WA6VNR,opr)	861,270-	1511-190-B
EL2EV(+EL2DM)	773,220-	1841-140-D
Asia		
JA1YFL(JA9JCJ,JR2BNF, JG1LAV,opr)	1,214,784-	1824-222-D
JA3YKC(UA3s ODC REU, JH3s PK5 VOT, JR3s RIU KEG, JH4ETH,opr)	1,181,880-	1876-210-D
JA3ZRT(JH3PK5, JH4ETH, JA9UDU,opr)	34,020-	180- 63-D
UK7CAC(UL7s CAZ CBP,opr)	6882-	74- 31-B
UK9ADY(UA9s ADH ADI AFZ AJA,opr)	845,688-	1688-167-B
UK9HAC(UA9s HSH HBQ,opr)	612,450-	1361-150-B
UK9GAH(UA9s QDC QDL QWN,opr)	332,622-	1087-102-B
UK9ZAF(Multiop)	319,788-	987-108-B
UK9C8D(UA9CBM, UW9DW,opr)	224,448-	668-112-B
UK9FAD(Multiop)	172,260-	660- 87-B
UK9LAD(Multiop)	63,612-	372- 57-B
UK9KAN(UA9s KBR KBV,opr)	39,690-	270- 49-B
UK9SAD(Multiop)	35,190-	255- 46-B
UK9KAD(Multiop)	33,276-	236- 47-B
Europe		
DL9AA(DJ5PA, DK2ZO, DL1YD, DL3BK, DL6KB, DL8NU,opr)	2,209,908-	3019-244-D
DK9TU(DK1PD, DK5GE, DK6QI, DK5GX, DL7s LH ZN, DL8TW, DJ9NX,opr)	1,923,636-	2596-247-D
DL9VW(DF1OC, DF3OL,opr)	101,286-	331-102-B
EA7TL(+EA7ALG)	1,004,295-	1633-205-B
EA3DUB(EA3s AIR AVV OG XH XZ,opr)	262,977-	613-143-B
G3OUR(G3s CWI YGF, G4s BUO EWJ EZN GFX,opr)	1,792,815-	2543-235-B
G3TXF(+G3SXW)	1,232,448-	1834-224-B
HA9KLE(6 oprs)	759,177-	1259-201-C
HA1KSA(5 oprs)	686,637-	1211-189-C
HA7KSV(4 oprs)	678,186-	1322-171-B
HA7KLC(4 oprs)	382,239-	891-143-B
HA9KPU(4 oprs)	382,077-	801-159-B

HA3KMK(3 oprs)	344,634-	809-142-C
HA2KRZ(6 oprs)	300,105-	741-135-B
HA5KHG(5 oprs)	285,120-	704-135-B
HA3KNA(6 oprs)	128,750-	610-125-B
HA8KBE(4 oprs)	149,283-	513- 97-C
HA5KKB(2 oprs)	141,566-	523-124-B
HA5KFU(2 oprs)	179,568-	516-116-B
HA6KVD(2 oprs)	128,758-	468-107-B
HA3KHB/P(5 oprs)	149,283-	513- 97-C
HA9KLU(6 oprs)	121,659-	379-107-B
HA6KZS(4 oprs)	109,074-	371- 98-B
HA8KWO(3 oprs)	63,600-	265- 80-D
HA2KME(4 oprs)	38,784-	202- 64-B
HA1KSL(2 oprs)	27,789-	157- 59-C
HA9KLL(2 oprs)	315-	21- 5-B
HB7LF(HB9s BFU BHI BIG BOQ BTU,opr)	148,500-	450-110-C
I9MGM(+I9JX)	1,984,296-	2851-232-C
I3FIY(+I3s JTC LLM)	1,354,434-	2071-218-C
LA3T(LA3TQ, LA7SP,opr)	117,588-	478- 82-D
LA1K(LA3GW, LA5MT, LA6WP,opr)	104,652-	323-108-C
LZ1KFZ(Multiop)	2139-	31- 23-B
M1I(M1C, W3US,opr)	421,800-	925-152-C
OH2AA(OH2s BNP BQS BRW DS,opr)	1,032,684-	1831-188-D
OH9PA(OH1PA, OH1CW,opr)	18,444-	116- 53-B
OK5TLG(P/K1s DFW MMW,opr)	1,518,933-	2291-221-C
OK3RKA(Multiop)	257,508-	622-138-B
OK1KTW(Multiop)	116,145-	435- 89-B
OK1KPZ(Multiop)	77,100-	257-100-B
OK3KVE(OK3s CMM CWQ,opr)	75,480-	296- 85-B
OK3VSZ(Multiop)	61,893-	299- 69-C
OK1KCI(Multiop)	61,893-	299- 69-C
ON6AH(ON5s AV IQ, ON6s AH MH QR VL, ON7s ZV JL,opr)	41,664-	224- 62-B
PA9VLA(Multiop)	82,800-	274-100-B
PA9TUM/A(+PA9s GNI HJK NRA PIY TAW)	3420-	57- 20-B

SK7CE(SM7s DXC EBC ESE EJE FUE HPD IPB ITN NM RN,opr)	631,800-	1170-180-C
SM9AQD(+SM9GMZ)	504,735-	1045-161-C
SL9DT(Multiop)	441,504-	1008-146-C
SK6AW(SM6s CDG CVE DER DJI DOS,opr)	434,214-	466-153-C
SK7GC(Multiop)	8967-	61- 49-C
UK3LAC(UA3s LAC LM LN,opr)	1,043,415-	1965-177-B
UK3DAH(Multiop)	980,796-	1739-188-B
UK6APA(UA6s APR ARX,opr)	471,960-	1140-138-B
UK1ZAO(UA1s ZCZ ZBQ ZV,opr)	350,754-	1103-106-B
UK4FAV(Multiop)	221,100-	550-134-B
UK1AFA(Multiop)	208,320-	620-112-B
UK3ACR(Multiop)	184,464-	549-112-B
UK3DAU(Multiop)	164,268-	507-108-B
UK4WAC(Multiop)	149,175-	425-117-B
UK3EAA(Multiop)	90,450-	335- 90-B
UK3WAA(Multiop)	33,600-	175- 64-B
UK3XAM(Multiop)	33,600-	200- 56-B
UK6HAR(UA6s HDY HEI HGL,opr)	135,500-	175- 58-B
UK6LTF(Multiop)	8736-	104- 28-B
UK3TAN(3 oprs)	6075-	81- 25-B
UK3EAL(2 oprs)	2448-	48- 17-B
UK5IAZ(Multiop)	893,133-	1741-171-B
UK5MAF(UB5MDC, UY5LK,opr)	582,543-	1149-169-B
UK5UBB(Multiop)	383,625-	825-155-B
UK5QBE(UB5QBG, UY5CW,opr)	324,660-	773-140-B
UK5JAO(Multiop)	277,749-	729-127-B
UK5IFM(Multiop)	250,470-	759-110-B
UK5EDX(Multiop)	19,305-	143- 45-B
UK5MDM(Multiop)	25,118-	138- 37-B
UK5HAB(Multiop)	4992-	64- 26-B
UK2ABC(UA2FCZ, UC2ACU,opr)	568,890-	1290-147-B
UK2WAF(Multiop)	405,162-	1098-123-B
UK2AAB(Multiop)	392,460-	844-155-B
UK2BAS(Multiop)	1,860,624-	2832-219-B
UK2PCR(UP2s BBX BCR BCT BDF BFI BFL OQ,opr)	975,741-	1651-197-B
UK2GKW(Multiop)	2,033,775-	3013-225-B
UK2GAC(UQ2s GDX GZW GIN GIY,opr)	951,774-	2173-146-B

UK2GAB(Multiop)	430,050-	1175-122-B
UK2GDZ(Multiop)	296,286-	874-113-B
UK2GAZ(Multiop)	18,144-	144- 42-B
YO6KNL(YO6s AKW HQ,opr)	297,255-	745-138-B
YO6KBM(YO6s ADP DB,opr)	2964-	38- 26-C
YU4FRS(Multiop)		
YU1ELM(YU1s OFT OOW OPI OQZ,opr)	864,084-	1508-191-D
YU3DJR(+YU2RTG, YU3s TKB TNO)	255,420-	645-132-B
North America		
W2AEE/C6A(WA2s ARF ZKY, AE9B,opr)	1,904,652-	2292-277-B
FG7AR/FS7(+K8s BPX MR ND, WDBALGB,379,368-4052-278-B)		
HH2T(+WBWRWU)	2,663,916-	3041-292-C
XE2FU(+K5s LZO RC WA ZD)	4,222,725-	4615-305-D
Oceania		
KH6TM(+KH6IKL)	424,359-	837-169-B
ZL2AH(Multiop)	173,568-	512-113-B
Multi-Multi		
Asia		
JA7YAA(Multiop)	1,655,368-	2824-219-D
JA9YBA(JA9s DZS FSU GLL LWB, JH2FKX, JR2NKG,opr)	1,732,464-	2724-212-D
JA2YKA(JA4UDP, JH2QXG,opr)	1,362,312-	2226-204-B
JA1YXP(JF1VVR, JH1HGD, JK1s EPI OQU, JA8MRV, JA9XUF,opr)	1,310,319-	2173-201-D
JA7YAF(JA7s RHJ UES UIW, JH7s CSU SJH WKQ,opr)	1,123,470-	1971-190-B
JA2YCZ(JR2BSY, JR2LUM,opr)	181,152-	592-102-B
Europe		
DL9KF(DF3LP, DF6LH, DJ8FR, DJ7SW, DJ2BV, DJ4FZ, DJ4SO, DF8LD,opr)	1,623,024-	2601-208-D
HA5KFL(6 oprs)	1,572,960-	2320-226-B
HA5KA(12 oprs)	32,148-	188- 57-B
OH5AB(OH5s BH KH UO RO,opr)	130,968-	408-107-C
Oceania		
VK5WC(VK5s MQ SZ,opr)	376,329-	799-157-B

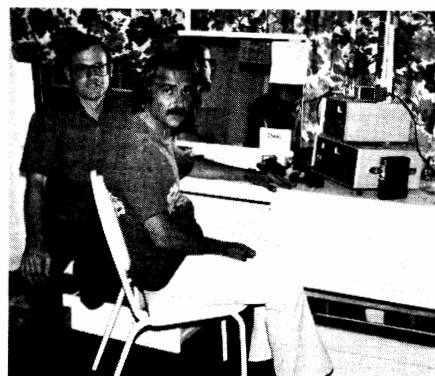


From the left (far left photo) AB8Y, WB8OFG, visitor; KV4KV, WB8LDH and W8UVZ. The rigs, the antennas and some of the local flora at VP2DXC the top North American phone multi-single, number 2 worldwide.

W/V/E		Rhode Island		W2SQ		57,015- 181-105-D		Eastern Pennsylvania		K3TP		29,160- 120- 81-D	
		WB1CRG 404,352- 624-216-D						W3BGN 1,406,899-1579-297-D					
								N3BB 1,242,738-1409-294-D					
								N3DA 1,157,598-1326-291-D		4			
Single Operator		Western Massachusetts						W3VF 750,465- 981-255-D					
		K1BW 1,273,920-1327-320-D						W3MA 678,897- 939-241-D					
		K1ST 368,466- 566-217-D						K3MWW 519,951- 659-263-D				WA4UHH 81,252- 244-111-B	
1		K1KNQ 7680- 64- 40-D						K3ZA 483,975- 717-225-D				WA4OPV 13,359- 73- 61-D	
								W3RJ 445,332- 629-236-D					
								K3JL 395,592- 622-212-D		Kentucky			
								K3WOK 224,100- 415-180-D					
								W3YFV 181,116- 387-156-D		WA4UBM 33,852- 124- 91-B			
								W3CIV 163,800- 350-156-D					
								AF3E 150,396- 332-151-D		North Carolina			
								AB3Z 64,449- 231- 93-B					
								W3KFP 48,900- 163-100-D		WA4TLI 502,260- 761-220-D			
								W3AP 24,570- 105- 78-D		N4AA 298,900- 498-200-D			
								W3RW 22,914- 114- 67-B		South Carolina			
								W3ALB 13,200- 80- 55-D					
										K4II 220,176- 417-176-D			
										K4WJR 40,977- 157- 87-C			



J3ABN (WB4SGV) had to borrow the mast to support his inverted Vs and sloper antennas (he used all wire antennas). Phil averaged over 100 QSOs per hour over the entire cw weekend.



Ray (I), C5ABX/N6VR and Joe, C5ABZ/WA6VNR. C5ABX multi-single cw.



JA7YAF, the Morioka First High School ARC, operators in the multi-multi — cw category, left to right are: JH7CSU, JH7SJH, JA7UES, JH7WKQ and JA7RHJ.

W4QAW 524,610- 670-261-D
KG4W 494,982- 771-214-B
W4EI 415,350- 650-213-D
W4RA 263,250- 450-195-D
W4XR 131,670- 385-154-D
K4ZA 112,530- 242-155-D
WA4NTP 74,340- 236-105-D
K8SYH 65,772- 203-108-B
W4KMS 43,785- 139-105-D
W5ILR/4 81,788- 58- 47-D

5

Louisiana
K5KLA 803,088-114-234-D
W5OB 110,550- 275-134-D

New Mexico
W5YZ 297,540- 580-171-D

Northern Texas

AF5K 628,992-1008-208-D
W5GN 363,972- 619-196-D
N5JB 360,360- 770-156-D
WD5EWP 165,186- 399-138-D
W5VGX 162,153- 419-129-C
N5UA 33,615- 135- 83-D
W5OON 30,225- 155- 65-B
N5AJI 28,780- 160- 59-D
N5AXR 16,632- 99- 56-D

Oklahoma

W5JME 148,500- 330-150-D

Southern Texas

K5DX 473,802- 778-203-D
WA5LYX 40,182- 81- 74-C
W5BQA 35,280- 147- 80-D
W5RRR(W5LSZ,opr) 27,612- 118- 78-D

6

East Bay

W6BH(WA6IQM,opr) 1,501,302-1978-253-D

Los Angeles

N6AR 786,960-1093-240-D
N6TW 276,474- 649-142-D
N6HE 70,245- 223-105-B
W6EL 25,308- 114- 74-D

Orange

K6RR(N6IN,opr) 1,253,799-2019-207-D

W6YMV 75,582- 247-102-D

Santa Barbara

N6MB 273,504- 616-148-D
N6VR 13,825- 96- 48-D

San Diego

KB6IJ 80,769- 247-109-D

San Francisco

N6OJ 376,125-1003-125-D
W6PM 83,928- 269-104-D
W6WB 63,840- 224- 95-D

Santa Clara Valley

W6BJB 158,004- 627- 84-D
K6BR 157,071- 617- 94-D
AA6DX 77,805- 273- 95-D
W6VSC 77,328- 358- 72-D
W6SO 53,295- 209- 85-D
W6YVK 23,550- 157- 50-B
N6AN 16,224- 104- 52-D
WD4ELG/6 21,90- 73- 10-B

San Joaquin Valley

W6BYH 19,488- 116- 56-D

7

Arizona

N7RK 283,920- 520-182-D
K7NO 158,952- 358-148-D
W7ZMD 15,840- 120- 44-C

Montana

W7JYW 290,625- 775-125-D
WA7OBH 5280- 55- 32-B

Nevada

K7SFN 79,680- 320- 83-D
WA7KNK 9702- 66- 49-D

W7JKA 5994- 74- 27-C

Oregon

WB7ABK 749,424-1201-208-D
W7IVX 575,292-1004-191-D
W7ZR 467,400- 950-164-D
W7XN 308,616- 616-167-D
WA7IHN 306,180- 810-126-D
K7DMM 8466- 83- 34-B

Utah

N7DF 385,875-1029-125-C
W7HS 76,053- 251-101-D

Washington

K7RI(K7TI,opr) 1,214,400-2300-176-D
W7BRU 202,692- 532-127-D
W7YGR 52,668- 154-114-B
K7ZA 114,432- 298-128-D
K7UR 81,405- 335- 81-D
N7AM 42,411- 211- 67-D

8

Michigan

N8JW 837,540- 990-282-D
WD8CRY 282,978- 474-199-D
K8SJA 115,710- 266-145-C
K8OT 60,480- 192-105-D
N8RW 1482- 28- 23-B

Ohio

K8MN 409,266- 689-198-D
WD8ALG 165,480- 394-140-D
KA8BAC 149,721- 349-143-B
WB8ZJW 133,056- 264-168-D
W8YGR 52,668- 154-114-B
WB8LFO 44,388- 137-108-D
WB8HLI 25,872- 112- 77-D
W8SQ 22,050- 105- 70-D
K8BA 1932- 28- 23-B

9

Illinois

K9BGL 591,120- 821-240-D
K9BET 497,938- 724-229-B
W9OFV 366,420- 620-197-D
W9RW 172,800- 360-160-D
K9MK 60,216- 193-104-B
K9BQL 26,448- 116- 76-D
W9JJI 21,630- 103- 70-D
WB9EBO 3652- 37- 32-D

Indiana

W9ZRX 1,442,955-1577-305-D
W9LT 770,775-1075-239-D
N9RC 55,536- 178-104-D

Wisconsin

W9OP 383,508- 603-212-D
K9QXY 289,938- 506-181-D
WB9PC 26,733- 133- 67-C
WD9GRI 969- 19- 17-B

Colorado

K7LR/9 669,441-1369-163-D

Iowa

W0EJ 291,456- 506-192-D
W0VX 223,560- 460-162-D
W0SR 137,195- 309-148-D
K0GT 43,359- 149- 97-D

Kansas

W0IUB 318,528- 553-192-D
WB0BMB 130,326- 406-107-D
AB0X 33,507- 153- 73-D

Missouri

W0GNX 193,224- 388-166-B
W0QWS/M 17,280- 90- 64-B

North Dakota

K0QQ 118,293- 301-131-C

South Dakota

K0ZZ 969,984-1263-256-D

VE

Quebec

VE2AYU 421,830- 654-215-D

Ontario

VE3KZ 97,137- 251-192-B
VE3FEA 46,968- 152-103-D

Manitoba

VE4EW 281,358- 539-174-D

Saskatchewan

VE5RA 465,408- 808-192-D

Alberta

VE6AGV 132,240- 380-116-D
C26MP 74,700- 415- 60-B
VE6LB 9855- 74- 45-D

British Columbia

VE7BTV 944,520-1852-170-D
VE7CMK 207,648- 618-112-D

High Band

1

Connecticut

K1VTM 462,990-1403-110-D
W1ZM(K9EJ,opr) 332,404- 688-161-D
K1YXG 215,670- 455-158-B
K1VDF 210,816- 488-144-D
K1KKF 152,685- 377-135-D
AD1S 100,500- 268-125-B
WA1ZDW 99,735- 305-109-B
WA1YEC 91,368- 282-108-B
K1TN 81,900- 325- 84-D
K1WJL 55,944- 329- 72-B
N1JW 54,495- 173-105-B
WB1WS 50,032- 186-104-D
W1DO 30,000- 100-100-D
WA1FCN 19,488- 112- 58-B
KA1DS 7020- 60- 39-B
WB1FNK 3483- 43- 27-B
WB1CRH 2652- 34- 26-B

Eastern Massachusetts

WA1UZH 645,810-1045-206-D
W1YN 599,841- 913-219-D
AA1M(WA1AER,opr) 577,440-1203-160-D
WB1ANT 415,773- 873-177-D
K1LS 292,056- 566-172-D
K1ACH 172,887- 403-143-D
W1FM 146,610- 362-135-B
W1PST 111,960- 311-120-D
W1CWU 45,156- 212- 71-B
K1RB 24,948- 108- 77-B
K1LJL 17,490- 106- 55-B
K1GRB 13,311- 87- 51-C
W1GXT 12,600- 100- 42-C
W1PLJ 7140- 70- 34-D
WA1YVT 3234- 49- 22-B
N1RC 147- 7- 7-B

Maine

W1OO 606,621- 883-229-D
K1SA 91,773- 271-103-B
W1MN 65,400- 218-100-D
WA1PDG 16,830- 110- 51-B
W1CTR 627- 19- 11-B

New Hampshire

W1UR 684,180-1086-210-D
KA1CHK 48,060- 178- 90-B
K1JB 32,526- 139- 78-B
W1CU 25,842- 118- 73-D

Rhode Island

N1ACU 312,840- 632-165-D
WB1EKH 40,626- 183- 74-B
K1KX 2883- 31- 31-B

Vermont

W1ETV 12,375- 75- 55-C

Western Massachusetts

W1AUT 277,764- 286-158-D
W1GFG 216,867- 449-161-D
K1FIR 165,888- 384-144-D
N1CQ 107,466- 212-114-D
K1SF 59,400- 180-110-C

2

Eastern New York

K2MN 100,620- 260-129-B
WA2LJM 63,648- 204-104-D
WA2HFT 60,264- 186-108-B
N2WR 47,064- 212- 74-D

WA2RNX 21,609- 147- 49-B

N2FS 7326- 74- 33-D
W2DW 2964- 38- 26-D
WB2AXJ 867- 17- 17-B
KB2FC 780- 20- 13-B

New York City - L. I.

W2MOY 195,216- 392-166-D
WB2VFP 192,552- 452-142-D
K2MFY 166,740- 397-140-B
W2NB 69,657- 217-107-D
W2GKZ 60,165- 191-105-D
W2OTS 36,381- 181- 67-C
WB2HIQ 34,410- 155- 74-B
W2KZE 34,380- 191- 60-C
N2OZ 34,125- 175- 65-D
WA2ISH 25,185- 115- 73-D
W2EJ 23,040- 128- 60-C
K2OV5 17,271- 101- 57-D
WB2PJX 17,100- 100- 57-D
WA2EYJ 14,691- 83- 59-B
AC2P 10,260- 76- 45-D
WA2OVG 10,143- 69- 49-B
WA2JCX 9246- 67- 46-B
K2CMV 7659- 69- 37-B
WA2DZD 6660- 58- 40-B
K2TY 5346- 54- 33-D
W2QAN 4089- 47- 29-C
W2INJ 3840- 40- 32-D
K2TV 3393- 39- 29-D
WB2DWP 2112- 32- 22-B
W2VY 1890- 35- 18-B
WB2VD 702- 18- 13-B
W2CZZ 702- 18- 13-B
W2YKQ(K2IDB,opr) 198- 11- 6-C

Northern New Jersey

N9RR 303,030- 555-182-D
EA2A 222,440- 463-160-D
W2Z 120,663- 327-122-D
WB2POG 76,719- 239-107-D
W2HN 73,248- 218-112-D
N2IC 71,820- 228-105-D
K2JGC 56,580- 225- 92-D
W2VJN 32,568- 118- 92-D
WB2RAL 17,934- 98- 61-B
W2UL 9648- 67- 48-D

Southern New Jersey

N2CW 443,880- 685-216-D
N2CQ 179,100- 398-150-D
WA2NBM 175,446- 361-162-D
WB2VFK 166,842- 403-138-B
W2FGY 153,576- 324-158-B
K2TJ 121,584- 298-136-D
AB2K 91,800- 300-102-D
WA2WJL 74,793- 233-107-B
K2ZSY 69,252- 199-116-B
W2NS 63,882- 234- 91-D
K2SNK 54,825- 215- 85-D
W2QKJ 42,480- 177- 80-C
W2SDO 28,194- 127- 74-D
N2HI 24,408- 113- 72-D
AS2Y 22,562- 110- 65-D
W2SQT 17,688- 88- 67-D
K2TD 17,136- 102- 56-D
W2QWA 16,695- 105- 53-D
WB2ST 9450- 70- 46-D
W2GTN 6084- 52- 39-B
K2HPV 3999- 43- 31-B
W2XN 2730- 35- 26-D
WA2OXX 2205- 35- 21-B
W2CN 1716- 26- 22-C

Western New York

K2GXT(WA1QGC,opr) 347,130- 609-190-D
N2HR 342,520- 470-172-D
WB2ITR 206,016- 464-148-D
WB2LOF 162,336- 347-156-D
WB2A 98,296- 272-129-D
WA2ECA 94,568- 272-129-D
K2DE 75,114- 214-117-B
WB2ABD 49,878- 163-102-B
K2ABE 44,560- 163-102-B
W2FUI 31,050- 138- 75-B
W2PHT 19,776- 103- 64-B
WB2LJK 14,094- 87- 54-B
K2BEG 11,250- 75- 60-C
W2HG 9447- 67- 47-D

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Delaware

K3HBP 87,750- 250-117-D

Eastern Pennsylvania

K3VW 633,360- 910-232-D
K3ND 594,306- 822-241-D
W3GRW 289,575- 495-195-D
WA3YIV(K2PH,opr) 213,213- 447-159-D
WA3NHO 184,338- 462-133-D
N3IK 76,230- 231-110-B
W3EB 72,765- 245- 99-D
WB3EB 63,250- 169-106-D
WB3JVO 58,725- 225- 87-B
WB3JGK 43,143- 197- 73-B

K3NL 26,937- 123- 73-D

WB3JY 18,144- 108- 56-B
K3TGM(K3PPI,opr) 14,688- 96- 51-B
WB3JYZ 10,800- 100- 36-C
W3PN 10,602- 93- 38-D
WB3FVJ 9102- 82- 37-D
WB3DCT 9000- 75- 40-D
WB3JZE 7380- 62- 30-B
K3JG 6528- 64- 34-C
W3GRS 5520- 46- 40-D
WA3VTI 3225- 43- 25-B
K3GYS 672- 16- 14-C

Maryland - D. C.

W3GG 648,000-1000-216-D
W3EWL 524,232- 809-216-D
K2TG/3 358,752- 592-202-D
K3W5 335,724- 554-202-D
K3SA 295,250- 525-190-D
WA3EEE 223,473- 457-163-D
W3AZ 156,408- 343-152-D
W3PWO 122,616- 262-156-D
N3EC 16,109- 291-133-D
W3HVM 106,125- 283-125-D
W3HRD 103,356- 319-108-D
W3KO 59,697- 201- 99-D
WB3CGI 50,052- 172- 97-D
K3IGJ 23,790- 122- 65-D
WA3ROX 14,664- 94- 52-D
WA3UIU 13,320- 111- 40-B
K3DQ 2139- 31- 23-B
W3TUX 2052- 36- 19-B
W3FQE 624- 16- 13-B

Western Pennsylvania

W3IW 143,040- 320-149-D
K3RN 137,274- 334-137-D
AF3B 66,033- 253- 87-C
W3KHQ 58,536- 271- 72-D
K3HFB 54,648- 198- 92-C
W3HJ 52,065- 195- 99-D
W3YX 40,545- 159- 85-C
W3PI 38,636- 159- 85-C
N3AEU 3132- 36- 29-B

4

Alabama

W4KG 842,400-1200-234-D
AC4X 215,520- 449-160-D
K14M 129,198- 353-122-D
WA4MIT 70,488- 264- 89-C
K4ZGB 63,665- 235- 93-D
WD4PZN 1296- 24- 18-B

Georgia

K4BAI 117,459- 421- 93-D
W4DXI 108,780- 259-141-D
W4BFR 102,360- 246-110-D
W4HER 54,495- 173-105-C
W4AHNL 23,256- 136- 57-D
K4KJK 10,600- 100- 65-D
K4EZ 16,632- 99- 56-D
W4ET 6903- 59- 39-B
AK4T 6552- 52- 42-D
W4JFL 2508- 38- 22-C

Kentucky</

Tennessee		Santa Barbara		K8FL	65,520	273-80-D	North Dakota		6	
AB4H	616,341	983-209-D	K6WJ	160,371	519-103-B	K8IC	61,236	189-108-D	South Dakota	
WB4RRJ	317,400	575-184-D	W6KJLZ	2829	41-23-B	K8EF	24,486	106-77-B	South Dakota	
WB4QLT	270,396	518-174-D	W6KJP	1224	34-12-B	W8RLW	23,958	121-66-D	South Dakota	
WA4EAV	227,088	456-166-D	NEAFI	483	23-7-B	AF80	22,032	108-68-B	South Dakota	
W4JD	154,212	362-142-D	Santa Clara Valley			K8KR	19,116	108-59-D	South Dakota	
AA4KT	149,142	371-134-C	WB6DFX	461,754	1006-153-D	W8AMPW	13,770	85-54-D	South Dakota	
WB4FSN	78,372	311-84-B	WB6GFJ	313,467	649-161-D	W8DWP	6105	55-37-B	South Dakota	
K4LN	72,594	222-109-C	WA6TKT	247,776	928-89-D	W8EQG	4860	45-36-B	South Dakota	
N4IR	68,688	212-108-D	AF6S	215,880	514-140-D	N8LM	4692	46-34-D	South Dakota	
W4ZWZ	58,212	231-84-D	K6ITL	77,361	241-107-D	W8BWP	1254	22-19-D	South Dakota	
K4TAZ	56,160	195-96-B	N6UW	45,000	200-75-D	N8AQR	468	13-12-B	South Dakota	
W4EAL(WA4ZZU,opr)	54,054	198-91-D	K6SMH	42,750	250-57-B	W8XT	108	6-6-B	South Dakota	
W4RIM	53,568	192-93-D	AJ6V	28,140	268-35-D	West Virginia			South Dakota	
W4FCC	46,920	184-85-D	N6OM	27,081	153-59-D	A8EQ	102,102	286-119-D	South Dakota	
AA4TP	36,120	140-86-B	N6NF	12,402	78-53-D	W8VVM	39,744	138-96-B	South Dakota	
WA4VUW	28,512	144-66-D	W6ISQ	10,656	74-48-D	N8ACQ	18,849	103-61-D	South Dakota	
KB4KA	24,108	98-82-B	W6QDE	7140	68-35-D	W8VZO	14,268	116-41-B	South Dakota	
W4OGG	17,343	123-47-B	K6ZX	4590	45-34-B				South Dakota	
W4OATN	15,000	100-50-D	K6PU	2331	37-21-B				South Dakota	
WB4WHE	10,575	76-47-B	K6DC	1932	28-23-D				South Dakota	
			WD6CHF	1125	25-15-B				South Dakota	
Virginia			San Diego			West Virginia			South Dakota	
N4NW	585,858	962-203-D	WA6DBC	615,978	1342-153-D	A8EQ	102,102	286-119-D	South Dakota	
N4MM	343,224	504-227-D	W6ABT	73,458	231-106-D	W8VVM	39,744	138-96-B	South Dakota	
W4MYA	329,220	590-186-D	W6WSI	58,050	225-86-D	N8ACQ	18,849	103-61-D	South Dakota	
K4GKD	198,068	641-103-D	W6SDL	135	9-5-B	W8VZO	14,268	116-41-B	South Dakota	
WB4VMB	185,328	396-156-D	San Francisco						South Dakota	
K8AB	161,100	358-150-D	N6CT	607,473	1341-151-D				South Dakota	
WA4MAV	154,054	198-91-D	WB6FCR	131,220	486-90-D				South Dakota	
W4YE	62,856	216-97-D	AF6F	122,511	421-97-D				South Dakota	
W4FRU	60,738	191-106-D	WD6EEQ	50,076	321-52-B				South Dakota	
AA4TP	36,120	140-86-B	WB6NBR	10,908	101-36-B				South Dakota	
WA4VUW	28,512	144-66-D	San Joaquin Valley						South Dakota	
KB4KA	24,108	98-82-B	N6LK	76,329	257-99-D				South Dakota	
W4OGG	17,343	123-47-B	K6YK	10,764	69-52-D				South Dakota	
W4OATN	15,000	100-50-D	WD6FLB	5994	74-27-C				South Dakota	
WB4WHE	10,575	76-47-B	Sacramento Valley						South Dakota	
			W6GO	232,125	619-125-D				South Dakota	
5			K6SG	40,950	195-70-D				South Dakota	
Arkansas			N6JNV	17,856	124-48-D				South Dakota	
WD5HSX	77,010	302-85-D	WA6ZDZ	7521	109-23-C				South Dakota	
W5EIJ	4653	47-33-C	N6JM	1665	37-15-C				South Dakota	
KA5BML	2736	38-24-B	K6FO	1296	36-12-B				South Dakota	
			W6NKR	966	23-14-D				South Dakota	
Louisiana			7						South Dakota	
WA5IGD	301,398	526-191-D	Arizona						South Dakota	
K5KV	278,238	587-158-D	K6LL/7	994,227	1961-169-D				South Dakota	
K5UA	257,996	601-132-D	W7AYY	261,738	666-131-D				South Dakota	
K5EOA	176,778	366-161-D	W7QS	129,696	386-112-D				South Dakota	
K5GUA	144,399	379-127-D	Idaho						South Dakota	
W5WG	90,909	259-117-D	KB7CY	43,230	262-55-C				South Dakota	
W5HEZ	84,963	223-127-D	K9STI/7	11,856	104-38-D				South Dakota	
W5EZR	74,950	102-90-D	Montana						South Dakota	
W5LSH	67,626	221-102-D	W7FIN	10,332	82-42-B				South Dakota	
WD5GCD	14,190	86-55-B	Nevada						South Dakota	
KB5FI	8610	70-41-B	W7TVF	65,664	342-64-B				South Dakota	
WB5VLT	312	13-8-D	W7JUD	1848	28-22-C				South Dakota	
Mississippi			Oregon						South Dakota	
NSA2K	234,000	500-156-D	W7EJ	985,578	1507-218-D				South Dakota	
W5MUG	90,297	237-127-C	W7EP	367,392	712-172-D				South Dakota	
K5YPV	23,400	120-65-B	AF7S	55,926	239-78-B				South Dakota	
			W7YAQ	42,630	203-70-B				South Dakota	
Northern Texas			K7AA	27,666	174-53-D				South Dakota	
W5FO	675,675	1001-225-D	W7TTM	15,435	105-49-D				South Dakota	
K5RX	229,740	547-140-D	Utah						South Dakota	
K5LAC	228,912	502-152-D	WB7SVQ	81,000	360-75-B				South Dakota	
N5RM	114,192	366-104-D	Washington						South Dakota	
K5NW	58,500	250-78-B	K7GEX	345,204	892-129-D				South Dakota	
W5SOD	44,688	196-76-B	W7BJN	237,618	921-86-D				South Dakota	
K5AQ	24,882	143-58-D	K7SS	64,050	305-70-B				South Dakota	
N5BT	20,100	122-60-B	W7PUE	22,200	185-40-D				South Dakota	
WD5ABF	17,304	103-56-B	K7NF	18,513	187-32-B				South Dakota	
KA5CDZ	16,038	99-54-D	W7KT	17,388	138-42-D				South Dakota	
K5MCB	13,695	83-55-B	K7CVL	16,059	101-53-D				South Dakota	
WB5SRL	12,654	114-37-B	W7YKK	13,332	101-44-C				South Dakota	
N5UD	5427	67-27-B	KA7BAY	9393	101-31-B				South Dakota	
K5RQ	3480	40-29-D	N7DX	6300	84-25-D				South Dakota	
WB5VXH	1440	60-8-B	K7JCI	3792	79-16-B				South Dakota	
W5TEN	189	9-7-D	W7DDQ	2412	67-12-B				South Dakota	
			K7EFB	2088	58-12-B				South Dakota	
Oklahoma			N7ABA	972	27-12-B				South Dakota	
N5CG	615,474	1003-186-D	Wyoming						South Dakota	
K5GL	92,898	397-78-C	WB7RGN	92,910	326-95-D				South Dakota	
W5MLT	26,100	116-75-C	W7JLN/7	25,250	124-68-D				South Dakota	
WA5IOE	363	11-11-B		84	7-4-B				South Dakota	
Southern Texas			Michigan						South Dakota	
K5WA	333,120	694-160-D	W8TWA	433,884	692-209-D				South Dakota	
WB5FND(WA3OV,opr)	263,388	467-188-D	AA8G	332,856	603-184-D				South Dakota	
NSHB	120,744	344-117-C	WB8WO	189,336	392-161-D				South Dakota	
K5SF	72,216	136-102-D	K8CY	11,696	242-76-B				South Dakota	
W5KCR	48,786	173-94-D	K8GG	95,106	242-131-D				South Dakota	
K5RC	25,392	92-92-D	K8TKM	88,392	232-127-B				South Dakota	
W5WV	5310	59-30-D	AD8KX	50,796	204-83-B				South Dakota	
K5RYF	5310	59-30-D	W8BKN	204,225	389-175-D				South Dakota	
W51YR	2925	39-25-B	WB8AAX	20,736	96-72-C				South Dakota	
W5OSJ	27	3-3-D	WB8JRL	13,770	85-54-D				South Dakota	
W5FIP	24	4-2-A	K8GSA	7004	35-10-B				South Dakota	
6			W8LCU	9611	59-43-A				South Dakota	
East Bay			WD8CSA	2880	48-20-D				South Dakota	
WA6BOB	127,224	456-93-D	Ohio						South Dakota	
W46RPF	102,168	396-86-D	WB8JBM(WB8DQ,opr)						South Dakota	
K6ATV	73,188	321-76-B	K8MR	414,324	677-204-D				South Dakota	
N6NG	48,411	163-99-D	WB8VPA	248,994	477-174-D				South Dakota	
			K8HV	241,824	458-176-D				South Dakota	
Los Angeles			N8KK	181,440	178-160-D				South Dakota	
WD6DJY(WB6LMN,opr)	168,480	390-144-D	WB8UPH	142,044	356-133-D				South Dakota	
W6CN	163,800	455-120-D	W8CBA	133,152	304-146-D				South Dakota	
W6AG	120,291	397-101-D	K8DJC	130,707	309-141-D				South Dakota	
W6BWX	55,176	242-76-B	WD8MOV	123,849	297-139-B				South Dakota	
K6YRA	44,928	192-78-D	N8NF	98,668	244-128-D				South Dakota	
W6OK	36,864	192-64-D	W8NKF	71,904	214-112-C				South Dakota	
WA6TAF	33,495	319-35-B	A1BK	69,600	200-116-D				South Dakota	
W6BVC	24,657	103-40-D	Illinois						South Dakota	
WA6BIE	18,906	137-46-B	K9DZ	101,320	1776-190-D				South Dakota	
WB6YTV	5076	47-56-B	W9PYK	144,282	278-173-B				South Dakota	
W6EIS	2616	35-10-B	K9ZFL	144,282	278-173-B				South Dakota	
W6RQV	459	15-10-D	W9PVL	144,282	278-173-B				South Dakota	
K6HAU	288	12-8-B	N9TK	27,258	154-59-D				South Dakota	
			K9YBX	8526	98-29-B				South Dakota	
Orange			AG9L	3360	56-20-B				South Dakota	
N6PE	56,400	235-80-D	W9RTB	2160	50-24-C				South Dakota	
K6TXA	31,860	177-60-D	Iowa						South Dakota	
KA7CHX/6	27,864	216-43-C	W9WP	353,430	630-187-B				South Dakota	
W6SGU	22,626	122-61-B	W9MJN	125,640	349-120-D				South Dakota	
			W9WJ	125,640	349-120-D				South Dakota	
South Dakota			W9ZTN	111,756	268-139-B				South Dakota	
W9BVC	111,756	268-139-B	W9ABC	91,080	264-115-B				South Dakota	
W9BVC	91,080	264-115-B	W9BUP	59,890	230-81-D				South Dakota	
W9BVC	59,890	230-81-D	W9HJ	39,816	158-77-D				South Dakota	
W9BVC	39,816	158-77-D	W9PFL	29,370	110-89-D				South Dakota	
W9BVC	29,370	110-89-D	W9QDCB	12,641	119-74-D				South Dakota	
W9BVC	12,641	119-74-D	K9XD	15,264	96-53-D				South Dakota	
W9BVC	15,264	96-53-D	K9NN	8256	64-43-D				South Dakota	
W9BVC	8									

WB2JGP(+N2AHT, WB2KSS,
K3HBP) 109,536-326-112-D

Western New York
K2ZWI(+WB1FIG, KB2GG,
WA2FFH, WB2S DYJ PJM TKM
ULC) 213,693-437-163-D
W2TPB(+K2SBV, WB2S MNA
RWW, WA3WBC, K6MNTT)
84,396-258-109-B

N4HB(+N4ZJ, W4BAI, WA4KNP,
WB4BVV) 1,283,040-1320-324-D
WA4WYN(+K4KBL, WA4S FKK
WPO) 794,088-1076-246-D
W4DM(+W4EZ) 330,078-542-203-D
W4RW(+AA4I, WA7PDW)
289,680-568-170-D
K4NCP(WA4S AXT WKY, oprs)
239,610-490-163-B

WD6EPV(+Net) 117,528-472-83-D
W6ZYC(+Net) 76,383-207-123-D
W6CFK(+K6TXR) 35,460-197-60-C

San Joaquin Valley
K6BAR(+K6BCC) 179,820-540-111-D

WB9TXJ(+WB9TXI) 35,964-162-74-C

Colorado
W9MYN(+K9FX, WA9ECN) 772,416-1192-216-D

K8LX(+K8S GM MD, N8S EA
UM, WB8WW, WA8S TBQ YVR
ZDT, WB8ALP, WN8PEE)
4,015,831-387-401-D
W3FA(+K3ZZ, N3GB, W3S ABC
XY, WA3S ECT KCY ZAS, N8II)
4,039,035-2959-455-D
K9RF(K1AR, K9CU, N8S BA CP,
W9S CP UA UN, WB9CMM,
WD9DSU, oprs) 4,033,155-3787-355-D
W2YV(+K1S EE, KA, K2OY,
W2YX, N2NT, K33U)
3,955,287-3017-437-D
K2UA(+K2BU, N2SS, WA2HGM,
KA3BKR, K5SVNJ)
3,775,680-3040-414-D
W3LP(+K3S NA RT, W3MR,
WB3DNL, W6AXX)
3,237,960-2453-440-D
W3MM(+K1PT, K3GM, N3VV)
3,207,120-2576-415-D
K9HMB(+K9S GL GS HDE MR
NO RS, N9APM, W9S TK TM,
WB9MUJ, 921, 280-2720-358-D
W1RR(K1IU, W1S FJ KM,
WB1HX, oprs) 2,875,581-2439-393-D
K3WW(+K3WJ, N3DM,
WA3LUY)
2,708,835-2155-419-D
N6RO(+K6RM, WA6KXN,
K8LBQ) 2,131,208-2485-292-D
K9BA(+N6S RJ SO SV, W6YA)
2,604,672-2856-304-D
WA7NIN(+K6VVA, N6S SF TJ,
WB7TT) 1,246,350-2690-305-D
W3WJ(+K3JLT, N3RD, W3XU,
WA3LRO) 2,452,995-2265-361-D
K6ZM(+N6S KB LC VV, WA6DGX
WB6DEG)
2,131,208-2485-292-D
W4DR(+K4S BKK JYM, N4ND,
WA4MY, WA4ZAJ, WD4REE)
2,097,360-1226-360-D
N6TU(+N6S KT GQ, WB6RIU)
2,001,951-2217-301-D
N6IG(+K6MYC, W6TPH,
WB6GSZ) 1,880,928-2177-288-D
N6BT(+WD6BJ)
1,811,448-2172-278-D
K3RL(+AA3B, K3S FD GQJ)
1,745,818-182-83-D
W6MSF(AA6UO, N6AU, WA6S
HCI VEF, oprs) 1,587,960-2005-264-D
W6YX(K1H, N1CO, W2JU,
WA6ITV, N7MH, W8ZJ, oprs)
1,487,412-2092-237-D
K5KQ(+WA2JXR, AD5W, K5LZO
WS5S) 1,324,134-1582-279-D
K6XV(+K6PJ, N6FJ)
1,103,676-1877-196-D
K6RU(+WB6SHD)
1,101,336-1684-218-D
K6OYE(+K6AB, WA6RPF)
1,019,712-1504-226-D
N6RZ(+AA6S, WA6OCV, W6
WB6CBJ) 908,119-1491-203-D
W3BI(Multiop) 892,440-1110-268-D
N6VQ(Multiop) 881,892-1572-187-D
W6XX(Multiop) 852,255-1605-177-D
K6RV(+A16V) 801,288-1436-186-D
W3GU(+K3CV) 633,422-946-269-D
A16V(K5GOC, K6BF, oprs) 724,527-1083-223-D
N3HW(+WA2BFH) 576,198-807-238-D
K6AYA(Multiop) 514,359-853-201-D
K9UP(+K9SCM) 311,952-536-194-D
N1AU(+K1C, A1WZJ) 304,110-545-186-C
W3KT(Multiop) 225,498-413-182-D
W6YKM(Multiop) 92,568-406-76-D
W6OT(N6AYJ, K6CSL, WA6BOB
opr) 65,043-277-73-D

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Eastern Pennsylvania
K3NZ(+K3QO) 1,284,120-1476-290-D
N3AD(+Net) 952,614-1062-299-D
N3ED(+Net) 876,900-925-316-D
K3KNH(K3SME, WA3FZQ,
opr) 623,007-899-231-D
W3DHM(+Net) 526,080-685-256-D
K3UC(+AD3F, K3S SY VDU,
WA3VQK, WB3EVL)
506,319-737-229-D
K83AG(+WB2YOT) 432,000-750-192-D
W3HYJ(+Net) 265,227-419-211-D
W3KV(+Net) 182,748-388-157-D
W3EVW(+Net) 163,530-345-158-D
W3EHZ(Multiop) 4998-49-34-B

Maryland - D. C.
K3RA(+K3VUQ) 819,747-939-291-D
W3GNQ(+Net) 506,943-713-237-D
WA3EKL(+K8B3E) 380,952-572-222-D
W3UO(+Net) 169,533-351-161-D
K3TW(+Net) 147,063-329-149-D
N3RL(+Net) 18,792-87-72-D

Western Pennsylvania
W3YI(AA3T, AC3C, WA3TBL,
opr) 243,207-443-183-D
K3QMR(+WB3S LCD LEC)
174,196-395-147-D
KA3BFX(+K3KRA, KA3AWS,
W3PI) 131,238-371-138-D
K3LL(+WA3GDS, WB3IWW)
4371-47-31-B

4

Georgia
WANT(K4S JPD LRJ, N4S HI RJ,
SV, oprs) 41,664-224-62-D

North Carolina
AA4S(+Net) 39,960-148-90-D

Southern Florida
N4RR(+AE4H, W2HPF,
WA2EKW) 1,505,304-1656-303-D
WA4LZR(WA2RAZ, K4XF,
N4RU, WA4PTL, WB8TGA, oprs)
740,151-1041-237-D

Tennessee
WD4LFD(+W4OVN) 233,334-447-174-D

Virginia
K4VX(+K4YEP, K9CMF)
1,663,116-1523-364-D

5

Louisiana
WB5TPK(W5SWE, KA5BQW,
WB5TEQ, WD5JGB, oprs)
248,520-436-190-D

Northern Texas
K5JA(+K5S MR NW ZD RX,
WA5ZWC) 2,061,105-2195-313-D
K5EE(+K5FUV, N5TR)
631,971-989-213-D
N5JC(+A1S5 I X, N5AJW, WB5S
LNH TXK) 222,423-491-151-D

Southern Texas
W5AC(K5S GN VK, WB5YOT,
WD5DLZ, oprs) 864,864-1144-252-D

6

East Bay
K6XO(+Net) 639,000-1065-200-D
K6HIH(Multiop) 120,312-557-72-D
WD6AWR(+AG6D, WA6S DDM
RTX) 51,708-278-62-D
K6UWR(+Net) 19,890-130-51-D

Los Angeles
W6YRA(WB2DRM, A16K,
KA6DW, N6BGM, WB6LHO,
WD6BAY, oprs) 454,005-1121-135-D

Orange
W6VLD(W3CEQ, N6KN, WA6S
DPQ EUN, WB9LDD, oprs)
892,312-1516-194-D
WA6JAH(+KA6DUE, WA6SRJ)
2592-72-12-D

Santa Barbara
K8BI(AA6RX, N6TR, WA6OTU,
opr) 1,018,497-1609-211-D

San Diego
W6RDF(K6XT, N6S KA ND RM
ZI, oprs) 1,338,744-1844-242-D

San Francisco
W6BIP(+WA6S DJI PYN)
540,540-1092-165-D

Santa Clara Valley
K6QO(W6OKK, WB6DSV, oprs)
1,285,488-1808-237-D
K6HNZ(+Net) 726,549-1217-199-D
AA6G(+Net) 354,090-814-145-D
AA6UO(+W1ARR) 320,880-764-140-D
K6KLY(+W6XB, WA6KBZ)
293,436-494-198-D
WB6EXW(+Net) 249,959-571-143-D

7

Arizona
K7SP(+W6LH, WA6HJV, N4QS,
AA7A, K7JVR, KA7CAI, N7AJI,
WA7ODP, WB7S ESZ ODX)
1,201,590-1690-237-D
W7MAP(+AC7U, K7CI, WB7OUW)
713,139-1171-203-D

Nevada
WB7OQW(+K7OX, WB7S PIJ
UIJ) 820,308-1388-197-D

Washington
N7RO(+W7S DQM EKM,
WA7ZWG, WB7DYB)
833,976-1404-198-D
WB7BFK(+K5WTA, WB7AQX)
627,255-1315-159-D
WB7DHC(+W7FEO, WB7EEM,
WB7FNC) 138,741-449-103-B
K7FR(+WB7S FFF VHK)
34,109-181-63-D
W7DK(WB7S GNP WMM, oprs)
6162-79-26-D

8

Michigan
AG8W(+AC8Y, A18D, K8S LF
MJZ) 1,004,394-1462-229-D
K8XR(+K8BO) 704,220-970-242-D
AE8H(+W8RD) 28,968-136-71-D

Ohio
K8CMO(+K8BEI, W8CEF,
WB8ZJY) 457,302-766-199-D
K8URE(+WA8EEA, N9AG)
392,805-609-215-D
N8RA(+N8AID) 333,900-742-150-D
WB8UCW(+KA8CTE, K8BAV,
WD8MKC) 102,555-265-129-B

West Virginia
N8AK(+WB4ZO, K8HUH,
W8LYW) 344,217-641-179-D

9

Illinois
K9KU(+WA9ZPR) 1,192,722-1451-274-D
AA9D(+WD9S DXC EBO)
382,464-664-192-D
W9YH(Multiop) 248,688-471-176-D
WB9LDH(W9MOM, WB9THA,
WD9JFB, oprs) 3360-56-20-B

Indiana
WA9NPM(+N9NS, W9OBF)
616,860-894-230-D

Wisconsin
WB9QCY(+WD9DEE) 60,168-184-109-D

10

Iowa
K9INR(+K9LUZ, K9FPF,
WA9TVV, WD9COO)
568,404-831-228-D
K9JSY(+AD9F, K9AT)
506,736-782-216-D
WB9OYA(+WB9UFL)
139,650-350-133-D

Kansas
K9CS(+AB9S X W, AE9K, K9S
UJI) 668,400-1144-200-D
K9VGB(+WB9OUS)
344,568-586-196-D
N9JO(+WB9VYR) 61,110-210-97-D
AG9J(+KA9BCW) 6660-60-37-D

Minnesota
K9KX(+K9WVX) 1,021,968-1128-302-D
K9SVW(+AF9Q, K9EVE)
395,148-596-221-D

Missouri
WB9WW(+K3IGA, K9RWL,
WA9KZ, K9QAQ, WB9S BMB
LFY UZJ VHN)
447,816-794-188-D

South Dakota
N9ACL(+W90PJ) 142,164-359-132-D

VE

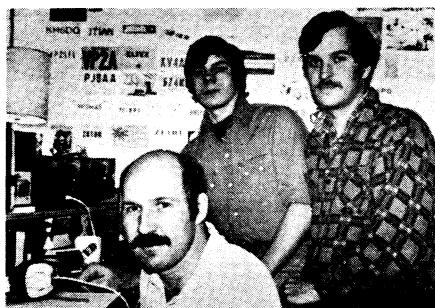
Maritime
VE1DXA(VE1S AIH BNN MX,
WB2RLK, oprs) 567,512-1593-328-D
VE1UNB(VE1S BCZ BEC BHA
BJC QT, oprs) 559,958-1226-261-D

Ontario
VE3DFH(+AC8W, K8DD, VE3S
CDZ JFO) 313,536-568-184-D
VE3UM/3(VE3S BGJ BYU CTY
ENK EST GZJ ICR IZB, oprs)
175,956-473-124-D

Alberta
VE6WQ(+VE6KW) 1,142,037-1677-227-D

Multi - Multi

1
W2PV(+AE1C, K1S DG OME RX
ZM, K2S DM TA, W2A ZD,
K9ES) 6,812,991-4293-529-D
N2AA(+K1KI, W1PM, K2S BQ
GL NG SS TT UR, N2WT,
WA2SF, WB2VYA)
6,332,760-4308-490-D
W4BVV(+K1JX, WA1QZH, K2BA
W3S IUU ZZ, WA3AMH,
WD4AXM) 5,121,732-3542-482-D
W3AU(Multiop) 4,520,478-3319-454-D



K8AQM, WB8ZFB and WA8ARS of K8AQM, M-S, cw, Michigan.



I5NSR — top European high-band QRP score on phone.



4M3AZC (YV3AZC) — better than 1 megapoint in the high-band category on phone.

All Band

1

Connecticut
W1ZM(K1ZM, opr) 1,610,043-1693-317-D
K1ZZ 1,527,414-1774-287-D
K1PR(K1TO, opr) 1,519,086-1802-281-D
K1CO 425,040-805-176-D
W1VW 157,986-402-131-D
W1BWS 149,634-306-163-D
K1VDF 141,510-445-106-D
W1BL 137,895-317-145-D

Eastern Massachusetts
W1ZA(WA1LKX, opr) 1,858,206-2051-302-D
W1CF(N9ND, opr) 1,133,424-1389-272-D
W1LK 772,122-1042-247-D
K1VR 746,025-1015-246-D
W1FJ 694,647-977-237-D
W1PL 172,272-388-148-D
W1UJ 156,450-350-149-D
W1CW 134,589-377-119-B
K1MEM 34,602-158-73-D
N1DC 21,357-113-63-B

Maine
W1QQ 540,222-1006-179-D

New Hampshire
K1GO 1,975,248-2064-319-D
K1RX 538,361-993-113-D
K1MBQ 353,379-697-169-D

Rhode Island
WA1WXB 58,206-178-109-B

Western Massachusetts
K1BW 846,780-1129-258-D
W1GC 423,255-695-203-D
K1AU 16,356-94-58-B

2

Eastern New York
W2IB 1,526,868-1743-292-D
W2AZO 893,382-1246-239-D
W2XL 383,088-694-184-D
WA2AUB 213,588-349-204-D
W2AWF 96,480-268-120-D
K2XA 85,749-283-101-D
K2GBH 36,666-194-63-D
W2DW 22,176-112-66-D

New York City - L. I.
W2GGE 678,375-1005-225-D

N2GC 613,818-842-243-B
K2MFY 439,533-669-219-B
N2UN 380,052-612-207-C
W2HL 240,786-546-147-D
W2GKZ 154,224-378-136-D
W2SGK 127,575-315-135-D
W2GC 111,600-300-124-D
WA2ISH 45,818-182-83-D
W2CZZ 14,112-84-56-B
K2TV 9180-85-36-D
K2CNF 4092-44-31-B

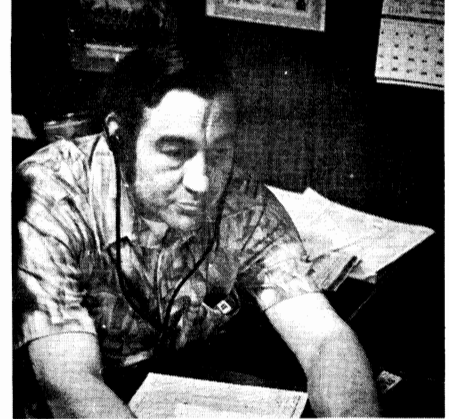
Northern New Jersey
N2LT 1,505,055-1865-269-D
K2BMI 1,426-320-1680-283-D
W2GD 1,201,008-1528-262-D



The ops at CT2ARA, number three, worldwide, multi-single, phone. From the left by rows, working down: CT2AO, CT2SH, CT2CE, CT2CM, CT2QN, Mr. Cliff (DX Hound), CT2AK, CT2CP CT2CJ and CT2BT.



GW6GW, multi-single, phone. Standing (l to r), GW3KYA, GW4EAI, GW4HBK, GW8SAI. Seated; GW8FXM and GW4BLE.



WB0BMB at KØRWL M-S, cw, Missouri.

N7TT/2 804,796-1137-236-D
W2YC 441,000-700-210-D
W2RP 347,616-568-204-D
N2IC 316,200-620-170-D
WA2ZWH 243,000-542-150-B
WB2RTF 23,008-404-154-C
W1GD/2 156,492-322-162-D
W2VJN 94,695-295-107-D
W2SQ 63,630-210-101-D
AB2N 29,568-128-77-B

Southern New Jersey

W2REH 1,301,454-1386-313-D
W2SUA 840,972-1108-253-D
WA2VYA 790,647-1261-209-D
W2KI 559,104-896-208-D
N2MR 425,184-688-206-C
AB2E 406,560-770-176-D
W2PAU 245,022-421-194-D
K2TD 176,154-374-157-D
AB2W 151,866-429-118-D
K2HPV 88,434-289-102-B
WB2SST 85,542-269-106-D
WB2VNU 82,503-309-89-B
W2EA 59,655-205-97-B
WA2CUW 17,568-96-61-B
W2CN 14,976-96-52-C

Western New York

K2VV 1,214,040-1510-268-D
W2QIP 244,791-461-177-D
W2FUI 89,958-319-94-B
W2RR(WA2AO,opr) 33,366-166-67-D
N2RT 4320-40-36-B

3

Delaware

W3GL 26,112-136-64-B

Eastern Pennsylvania

W3BGN 1,514,244-1964-257-D
N3BB 1,170,960-1485-272-D
W3MA 630,176-1021-206-D
W3VF 489,084-769-212-D
W3GU 466,284-793-196-D
W3OV 454,545-819-185-D
K3CY 396,864-689-192-D
W3ARK 298,890-615-162-B
K3NL 251,412-511-164-D
W3BB 186,219-513-121-D
W3ZJ 112,500-300-125-D
W3KFF 88,788-302-98-B
W3YFV 58,566-227-86-D
W3AP 25,515-135-63-D
W3VA 21,450-110-65-B
N3RW 16,335-99-55-C
AF3E 14,025-85-55-B
W3EHZ 7812-62-42-B
WB3JZE 2178-33-22-B
W3HMR 1566-29-18-D

Maryland - D. C.

W3PL 1,595,367-1721-309-D
K3RA 1,329,255-1635-271-D
K3TW 1,229,580-1518-270-D
W3GRF 814,716-1113-244-D
K3SA 596,037-899-221-D
K3AO 561,176-866-216-D
W3GN 508,644-796-213-D
N3UN 453,051-709-213-D
WA3DSO 418,608-684-204-D
W3UJ 393,600-640-205-D
W3GNQ 381,276-714-178-D
W1FLM/3 329,280-784-140-D
N3II 285,120-540-176-B
W3AZ 224,676-474-158-D
K3APM 143,448-344-139-D
N3OS 127,104-331-128-C
W3HVQ 96,330-247-130-C
WB3BRF 80,256-304-88-D
W3GN 25,146-127-66-B
K3DQ 15,000-100-50-B
K3KMO 5088-53-32-B
W3PEV 1323-21-21-B

Western Pennsylvania

K3LR 1,193,148-1518-262-D
K3MD 655,698-1061-206-D

4

Alabama

N4KG 927,816-1154-268-D

Georgia

N4HI 734,706-1029-238-D
W4OUN 212,346-502-141-D
AA4U 116,634-341-158-B
K4EZ 74,763-213-117-D
KB4HZ 59,946-206-97-B
N4TZ 51,840-160-108-B

Kentucky

N4AR 1,579,989-1861-283-D
N4XM 533,337-763-233-D
WB4FOT 216,175-497-145-B

North Carolina

AA4S 1,128,528-1383-272-D
K4UWH 265,629-637-139-D
W4OMW 115,710-290-133-D
K4JEX 58,764-166-118-B
WA4VMZ 9945-65-51-C
N4UH 6300-50-42-D

Northern Florida

W2AW/4 107,973-279-129-B

South Carolina

K4II 667,899-853-261-D
K4WJR 184,875-425-145-C
W4LS 91,140-217-140-B
WB4IUX 84,591-241-117-D

Southern Florida

N4XR 195,600-326-200-B
W4LOO 159,600-350-152-D
K4CL 120,696-376-107-D
N4AW 41,031-141-97-B

Tennessee

K4XU 1,253,502-1503-278-D
AA4KB 663,390-1053-210-D
N4IR 283,800-550-172-D
K4FH 228,096-528-144-D
W4NIX 144,243-341-141-D
K4FQ 22,050-98-75-D

Virginia

K4PQL 1,391,040-1656-280-D
N4RV 1,006,392-1296-259-D
W4HBK 939,600-1305-240-D
W4YE 633,150-938-225-D
W4EI 589,572-927-212-D
N4DW 579,846-802-241-C
N4UA 525,360-796-220-D
W4DM 506,688-832-203-D
N4HB 496,344-812-204-D
N4ND 460,926-883-174-D
N4RA 339,234-574-197-D
W4XR 335,358-601-186-D
K4OQA 303,048-552-183-D
W4HY 283,800-550-172-D
K8SY/H/4 151,638-398-127-C
K4ZA 88,236-228-129-D
K4MF/4 80,256-304-88-D
W4ZM 67,032-228-98-D
W4PK 44,436-161-92-D
N5BA/4 35,376-134-88-D
N4VJ 22,644-111-68-B
AA4FF 864-24-12-B

5

Arkansas

W5RUH 71,610-217-110-B
WASSOG 38,250-150-85-C

Louisiana

K5KU 953,556-1388-229-D
W5OB 189,588-427-148-D

Mississippi

W5XX 736,320-1040-236-D

New Mexico

W5JW 742,290-1135-218-D
W5YZ 524,433-791-221-D
W5OWL 72,468-244-99-C

Northern Texas

W5UN 990,132-1154-286-D
N5JB 972,921-1537-211-D
N5RM 579,474-1022-189-D
AF5K 384,492-716-179-D
W5VGX 294,840-585-168-B
K5AQ 223,272-443-168-D
WB5OON 68,634-246-93-B
W5ABF 46,368-168-92-B
KA5ATY 24,326-124-67-B
N5BT 20,832-112-62-B
N5UA 17,649-111-53-D
AG5N 11,760-70-56-B
K5TJ 10,710-105-34-D

Oklahoma

WB6FHK/5 77,592-244-106-D

Southern Texas

N5AW 765,864-967-264-B
WB5FND(WA5AO,opr) 369,675-775-159-D
W5PF 100,899-303-111-B
K5BD 46,992-178-88-B

W5DUI 24,495-115-71-C
K5DX 2775-37-25-B

6

East Bay

N6RO 1,347,225-1633-275-D

Los Angeles

N6AR 861,984-1168-246-D
N6TW 230,928-566-136-D
WA6TLA 198,288-489-144-D
K6MP 116,280-323-120-C
W7CB/6 80,352-248-108-D
W6PVV 77,970-226-115-B

Orange

K6RR(N6IN,opr) 711,786-1223-194-D

WA6JAH 323,466-754-143-D
N6HI 22,143-121-61-B

Santa Barbara

W6KPJ 198,492-476-139-B

Santa Clara Valley

N6BT 1,199,676-1556-257-D
N6TU 1,012,152-1448-233-D
N6AN 365,292-834-146-D
W6SC 302,604-668-151-D
K6RM 276,006-586-157-D
AF6S 243,516-446-182-D
K6XM 180,840-440-137-D
N6UW 81,540-302-90-D
N6OM 56,502-219-86-D
K6OMB 46,728-236-66-C
K6MA 44,880-220-68-D
N6NF 816-17-16-D

San Diego

K6NA 1,080,378-1458-247-D
K6BJ 100,488-316-106-D
W6ABT 98,553-247-133-D
K6NY 54,498-293-62-C

San Francisco

W6WB 285,660-529-180-D
W6PM 279,240-520-175-D

San Joaquin Valley

W6BVM 114,777-351-109-D
W6BYH 104,085-257-135-D

Sacramento Valley

N6JV 774,648-1218-212-D
K6SS 446,958-801-186-D
W6NKR 99,840-260-128-D
N6EA 28,782-123-78-D

7

Arizona

W7IR 959,595-1295-247-D
W7ZMD 225,120-469-160-D
K7NO 209,790-556-126-D
W2GGL/7 89,100-275-108-D

Idaho

AC7P 117,234-334-117-C
K7TAK 18,354-133-46-C

Montana

K7QA 404,244-788-171-D
W7JYW 196,200-654-100-D

Nevada

W7JKA 49,368-187-88-C

Oregon

W7NI 812,448-1302-208-D
W7IVX 302,292-622-162-D
W7ZR 23,220-129-60-D

Utah

N7DF 639,426-1349-158-D
W7HS 189,648-439-144-B

Washington

K7RI(W7WA,opr) 1,374,840-2010-228-D
K7ZA 617,463-1089-189-D
K7DZ 265,482-686-129-D
N7AM 195,750-522-125-D
W7BCS 16,536-104-53-B

Wyoming

N7NG 766,818-1131-226-D

8

Michigan

N8JW 931,356-1262-246-D
K8GL 725,604-1012-239-D
K8SIA 89,577-269-111-C
N8RW 27,930-133-70-D
K8CV 25,728-134-64-D
K8KIC 11,700-100-39-B

Ohio

K8NZ 1,392,882-1726-269-D
K8JK 611,004-863-236-D
K8MN 273,735-1658-165-D
WBQWI 251,856-528-159-D
WBQOC 243,675-475-171-B
W8ZCQ 162,210-386-140-D
N8BC 156,510-370-141-C
WBII 129,846-323-134-D
WBBO 123,735-365-113-C
W8RSW 98,049-203-161-D
AA8Z 72,369-187-129-B
WBLYR 51,039-159-107-B
WBHV 48,330-179-90-D
WBPNP 38,916-138-94-D
K8DL 31,680-120-88-D

West Virginia

K8OQL 73,224-216-113-D

9

Illinois

K9DX 1,619,568-1956-276-D
W9RW 641,277-1053-203-D
K9BGL 639,783-1061-201-D
W9CH 189,354-418-151-B
N9RC 187,466-494-133-D
WD9HC 103,320-328-105-C
N9TI 43,254-178-81-D
W9PNE 22,464-104-72-B
W9MKL 18,231-103-59-D
W9VA 14,400-100-48-D

Indiana

N9MM 1,564,140-1990-262-D
N9AFU 86,292-282-102-B
N9RC 187,466-494-133-D
WD9CIS 1056-22-16-B

Wisconsin

W9OP 533,082-902-197-D
K9EYA 362,544-728-166-D
W9HE 239,568-496-161-D

0

Colorado

K0FX 712,080-1290-184-D
K7LR/0 492,318-1013-162-D
AC0S 342,324-771-148-D
N0TK 88,032-262-112-D

Iowa

N0GA 573,420-1006-190-D
W0EJ 409,440-853-160-D
W0CS(WB0YUI,opr) 302,430-593-170-D
AD0F 72,300-241-100-D
W0SR 19,440-108-60-D

Kansas

W0LUB 466,550-850-183-D
W0WPL 31,950-142-75-B

Minnesota

W0UC 472,152-764-206-B
W0YCR 380,100-724-175-D
K0IHG 43,044-211-68-B

Missouri

WA0FBB 205,860-470-146-B
W0QWS 184,224-404-152-B

Nebraska

K0UP 227,409-637-119-D

South Dakota

K0ZZ 1,211,100-1468-275-D

VE

Maritime

VE1AIH 403,908-694-194-C

VE1FW 65,793-241-91-B

Quebec

VE2AYU 607,689-951-213-D

Ontario

VE3GCE 181,545-455-133-D
VE3KZ 155,775-335-155-A

Alberta

VE6LI 438,948-822-178-D
CZ6MP 128,700-550-78-B
VE6APN 72,615-235-103-B

British Columbia

VE7ARQ 191,250-510-125-D
VE7IQ 59,475-305-65-B

High Band

1

Connecticut

K1WB 563,814-1182-159-D
W1GNR 368,280-792-155-D
W1KWF 360,729-807-149-D
W1FCN 225,072-521-144-B
K1WJL 219,438-501-146-B
W1UUA 150,495-396-127-B
W1YEC 129,000-430-100-B
W1ACCR 127,440-360-118-B
N1AN 111,672-423-88-D
N1JW 74,292-302-82-C
K1ADS 45,350-177-85-B
W1ZDW 26,718-146-61-B
KA1EA 3024-48-21-B
KA1BKM 2550-34-25-B
WB1FKU 1200-25-16-B
WB1CRH 378-14-9-B
K1TN 156-13-4-B
WB1FNK 48-4-4-B

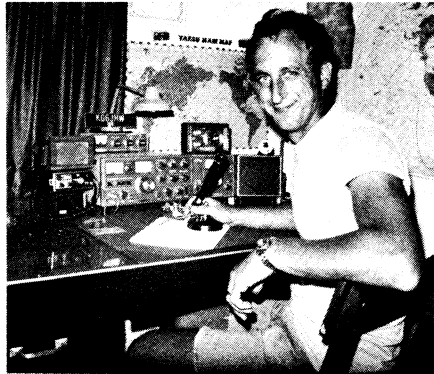
Eastern Massachusetts

W1YN 805,140-1491-180-D
W1IHN 550,120-1040-176-D
WB1ANT 250,002-646-129-D
W1VZV 175,203-567-103-D
W1Y 167,466-494-133-D
N1NN 60,060-220-91-B
W1YS 33,867-231-53-B
W1UJ 31,035-142-79-B
KA1API 16,848-108-52-B
W1AGE 13,248-138-32-B
N1QY 9114-62-49-A
W1FM 68-40-8-B
WB1CNM 4524-52-29-C
W1PLJ 3888-54-24-D
WA1YVT 3528-42-28-B
W1OPJ 31350-25-18

WA2STM	135,750-	362-125-C	AA4NN	183,870-	454-135-D	W6SUJ	9384-	68-46-D	WA9FFZ	7254-	62-39-B	W1XK	43,602-	169-86-D	
WA2LJM	110,500-	369-117-B	K4GFH	71,371-	61-39-D				W9WR	4743-	51-31-B	AA1K	22,248-	103-72-B	
K2QF	54,315-	213-85-C	WD4CTA	3960-	40-33-B	San Diego			W9FSD	4224-	44-32-B	Eastern Massachusetts			
WA2MBB	15,288-	91-56-C	WB4YZA	360-	12-10-A	K6MC	121,437-	309-131-D	WB9SMU	672-	16-14-B	W1BB/1	1368-	24-19-B	
WA2KTR	11,040-	92-40-B				W6EJL	61,056-	424-48-D	WB9ZED	378-	14-9-B	Maine			
New York City - L. I.			Northern Florida			N6KW	12,705-	121-35-B	W9TA	3-	1-1-D	W1MN	5346-	66-27-D	
W2AYJ	175,428-	443-132-D	WA4TKA	7290-	81-30-B	AA6EE	1974-	47-14-B	Indiana			Rhode Island			
N2KW	160,314-	347-154-B	W4EEO	1782-	27-22-C	San Francisco			K9FN	389,280-	811-160-D	K1TZQ	74,151-	321-77-D	
W2LPA	81,180-	246-110-B	N4KF	546-	14-13-A	N6CT	512,148-	1274-134-D	W9RE	329,175-	825-133-D	W1GL	59,502-	211-94-D	
K2OB	80,727-	379-71-D	WB4YEY	144-	8-6-C	W6TFOE	92,781-	507-61-B	W9JCQ	71,811-	237-101-C	New York City - L. I.			
N2WR	58,320-	216-90-D	South Carolina			WD6EEQ	8505-	105-27-B	K9LVK	34,149-	149-77-C	W2ER	159,636-	502-106-D	
W2AFM	55,200-	200-92-B	WB4TDH	492,030-	994-165-D	San Joaquin Valley			K9VQK	24,003-	127-63-D	W2AMU	13,524-	92-49-C	
N2KA	46,008-	216-71-B	Southern Florida			N6DS	28,188-	108-86-C	K1TH/9	7344-	72-34-B	K2YGM	4230-	47-30-D	
W2NCG	39,852-	162-82-B	WA4OML	70,560-	240-98-D	W6MMH	378-	18-7-D	K9UIJ	2940-	35-28-B	Northern New Jersey			
K2CMV	30,636-	138-74-B	W4YN	64,578-	229-94-C	Sacramento Valley			W9LJ	2838-	43-22-D	AC2U	86,670-	270-107-D	
WA2EWJ	26,208-	112-78-B	KD4N	39,420-	180-73-B	AA6DX	186,327-	603-103-B	K9QM	437,052-	946-154-D	K2LP	16,983-	111-51-D	
WB2HIQ	21,696-	113-64-C	WA4AHZ	23,328-	162-48-B	K6FO	43,260-	206-70-C	W9NA	408,153-	901-151-D	Southern New Jersey			
WB2QNF	19,551-	133-49-D	WA4LZR(N4RU,opr)	45-	5-3-D	W6GO	30,861-	127-81-C	N9EZ	150,543-	389-189-C	WB2VFT	126-	7-6-B	
K1TA/2	9544-	77-24-B	Tennessee			N6JM	23,808-	128-62-C	W9QXR	111,555-	335-111-D	Western New York			
WA2ENW	5487-	59-31-B	AB4H	618,270-	1114-185-D	W6BL	8085-	55-49-D	WB9VLR	43,920-	240-61-D	WA2SON	10,476-	97-36-D	
W2ZPG	3744-	39-32-B	W4JD	250,344-	549-152-D	W6SX	144-	8-6-B	K9GDF	7320-	61-40-D	Eastern Pennsylvania			
K2OV5	1875-	25-25-D	AA4AK	140,538-	397-118-B	7			KA9COE	5022-	62-27-C	W3PC	17,169-	97-59-D	
W2IUI	714-	17-14-B	K4LN	106,605-	309-115-D	Arizona			W9BCM	990-	22-15-B	W3DCT	9009-	77-39-D	
W2NBI	216-	9-8-B	WB4WHE	49,440-	206-80-B	K6LLJ7	863,940-	1694-170-D	Colorado			Maryland - D. C.			
Northern New Jersey			W4QG	14,577-	113-43-C	W7AVY	258,564-	143-116-D	W9YK	629,880-	1448-145-D	W3AVN	101,505-	335-101-D	
AE2A	885,600-	1440-205-D	AA4KT	13,728-	104-44-B	K7JVR	122,943-	383-107-D	K9ZFL	145,800-	300-162-B	K3CU	75-	5-8-B	
N9RR/2	273,222-	706-129-D	W4QF	55,926-	239-78-D	N7MW	45,018-	183-82-D	N9DV	109,725-	385-95-B	Eastern Pennsylvania			
W2ZZ	219,114-	518-141-D	W4DKL	68,634-	246-93-D	Idaho			W9ECN	83,424-	316-88-D	W3DCT	9009-	77-39-D	
W2HN	127,125-	339-125-D	N4XG	51,068-	185-92-B	WB7RBV	61,650-	274-75-B	K9KUY	36,360-	202-60-B	Maryland - D. C.			
WB2POG	101,898-	333-102-B	WD4KUK	44,928-	288-52-D	Nevada			K9GLS	34,776-	138-84-B	W3AVN	101,505-	335-101-D	
K2PF	68,676-	236-97-C	W4KMS	36,543-	131-93-B	WB7OQW(K7OX,opr)	328,264-	1276-138-D	W9DHY/N	2268-	36-24-B	K3FR	1296-	24-18-D	
AF2L	38,442-	149-86-C	WD4XG	19,468-	116-56-B	W7VTF	90,024-	484-62-B	Iowa			AF3B	351-	13-9-C	
WA2JAX	5775-	55-35-B	WD4GCE	8883-	63-47-C	Oregon			W9SF	593,313-	1487-133-D	Western Pennsylvania			
WB2RAL	5040-	56-30-B	5			W7IHN(AF75,opr)	265,707-	757-117-D	W9WP	480,240-	920-174-B	W3PC	17,169-	97-59-D	
WB2FGZ	38,442-	149-86-C	Louisiana			W7YQA	90,915-	319-95-B	W9FO	416,835-	885-157-D	W3DCT	9009-	77-39-D	
W2UL	1224-	24-17-D	W5N8C	319,290-	734-145-B	W7TWL	25,707-	209-41-B	K9AT	318,648-	781-136-D	Georgia			
WA2PAU	756-	54-14-B	W5EIJ	5049-	51-33-C	W7WHY	19,440-	270-72-D	WB9PYD	237,222-	573-138-B	N4OL	55,620-	206-90-D	
Southern New Jersey			Mississippi			Utah			Minnesota			K4FU	41,625-	185-75-D	
N2CQ	529,890-	1039-170-D	W5N8C	319,290-	734-145-B	W7LGG	33,123-	181-61-D	W9UO	649,770-	1210-179-D	North Carolina			
N2RM	408,240-	840-162-D	W5EIJ	5049-	51-33-C	WB7SVQ	10,530-	117-30-B	K9IR	330,888-	811-136-D	KE4I	216-	9-8-C	
W2NS	155,652-	436-119-D	Arkansas			N7DQ	436,293-	1017-143-D	W9HW	302,292-	622-162-D	Northern Florida			
N2IT	149,916-	403-124-B	W5N8C	319,290-	734-145-B	W7WIS	37,728-	298-87-D	W9SA	191,100-	490-130-D	K4EX	18,468-	108-57-D	
WA2NBM	61,692-	194-106-D	W5EIJ	5049-	51-33-C	W7BUN	96,660-	537-60-D	W9KDI	80,640-	280-96-D	South Carolina			
N2CM	155,652-	436-119-D	Louisiana			K7NF	77,778-	298-87-D	W9LPL	55,080-	216-85-D	N4LL	37,422-	162-77-D	
N2AWH	49,599-	167-99-B	W5N8C	319,290-	734-145-B	W7ALT	15,030-	167-30-C	N9AJJ	42,525-	175-81-B	Virginia			
W2XN	18,837-	161-39-D	W5N8C	319,290-	734-145-B	W7EKM	10,881-	93-39-B	W9KDI	80,640-	280-96-D	W4BVV	97,902-	333-98-D	
W2XGY	6630-	65-34-C	W5N8C	319,290-	734-145-B	W7RM	216-	18-4-B	W9HW	302,292-	622-162-D	AA4M	69,972-	238-98-D	
W2HAZ	5283-	52-25-D	W5N8C	319,290-	734-145-B	W7BYK	10,200-	100-34-B	W9SA	191,100-	490-130-D	W4UQ	59,130-	219-90-D	
N2CW	3519-	51-23-D	W5N8C	319,290-	734-145-B	W7RM	216-	18-4-B	W9KDI	80,640-	280-96-D	W4KFC	7245-	69-35-D	
Western New York			W5N8C	319,290-	734-145-B	W7RM	216-	18-4-B	W9KDI	80,640-	280-96-D	W4EZ	3108-	37-28-D	
WA2ECA(WB2ABD,opr)	468,180-	867-180-D	W5N8C	319,290-	734-145-B	Wyoming			W9KDI	80,640-	280-96-D	5			
WA2MBW(WB25JC,opr)	393,888-	746-176-D	W5N8C	319,290-	734-145-B	K7EY	5070-	65-26-B	N9AJJ	42,525-	175-81-B	Arkansas	K5UR	67,716-	228-99-D
W2FTY	183,270-	410-147-B	W5N8C	319,290-	734-145-B	Michigan			W9KDI	80,640-	280-96-D	Louisiana	K5UA	28,161-	149-63-D
WA2LOG	173,910-	374-155-D	W5N8C	319,290-	734-145-B	K8BEC	339,786-	878-129-D	W9KDI	80,640-	280-96-D	New Mexico			
K2SPQ	128,043-	347-123-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	W5AYTX	3420-	38-30-D	
W2ABM	102,078-	371-108-B	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	Northern Texas			
WB2LJK	102,078-	371-108-B	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	N5UM	19,992-	136-49-D	
WA2ORX	87,768-	376-106-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	W5EWP	2808-	36-26-D	
WA2EYA	87,768-	376-106-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	Southern Texas			
KB2HF	45,372-	199-76-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	W5WQN	27,900-	150-62-D	
W2PHF	42,579-	171-83-B	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	6			
WB2TUM	150,838-	367-138-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	San Francisco			
W2SEC	33,966-	153-74-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	AE6U	6498-	57-38-D	
W2HG	17,472-	104-56-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	Sacramento Valley			
W2NRK	7215-	65-37-B	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	NGDM	11,178-	81-46-D	
K2UAN	1488-	31-16-B	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	7			
3			Mississippi			W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	Washington			
Delaware			W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	K7UR	167,772-	681-82-D	
K3HBP	179,820-	405-148-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	K7WA	12,864-	134-32-B	
Eastern Pennsylvania			W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	Wyoming			
K3VW	720,720-	1092-220-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	W7PSO	1404-	26-18-D	
W4VU	460,161-	741-207-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	8			
W3YIV(K2PH,opr)	292,484-	661-148-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	Michigan			
N3FT	245,820-	482-170-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	WBUVZ	73,866-	283-87-D	
W3GRS	225,984-	428-176-B	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	WB8TA	25,296-	124-68-D	
W2JUC	225,456-	488-154-D	W5N8C	319,290-	734-145-B	W8BAA	194,712-	488-133-C	W9KDI	80,640-	280-96-D	AC8Y	14,040-		



With 90 years of contest experience between them, K6RU (left) and N6GG, with help from NØMU (not shown), put multi-multi station K6RU on for the cw weekend.



CPO David, KG6JHW (N300), runs 160 watts to a ci-36 antenna at 52 feet on phone from his duty station on Guam.



Steve, K7SP himself, of the K7SP phone multi-single from Arizona.

West Virginia
W8LRL 816- 17- 16-C

9
WB9TYV 11,352- 86- 44-B

Illinois
WB9TYV 11,352- 86- 44-B

Indiana
N9DX 64,758- 251- 86-D
W9NFC 468- 13- 12-B

Wisconsin
W9RN 32,274- 163- 66-D

8
Kansas
WA9TKJ 19,278- 102- 63-D
K9VGB 147- 7- 7-D

Minnesota
K9KX 36,036- 231- 52-D

VE

Maritime
VE1AXT 24,180- 130- 62-B

Saskatchewan
VE5RA 42,300- 235- 60-D

Multi - Single

1
Connecticut
K1RU(+K1YR) 1,485,717-1927-257-D
K1XA(+W1GJ) 1,062,600-1540-230-D
N1MM(+K1XM,WB1ALW) 938,250-1390-225-D
W1XX(+W1JKS) 807,324-1373-196-D

Eastern Massachusetts
K1LL(+N2FB) 1,158,003-1671-231-D
AB1F(+AB1X) 83,460- 260-107-B

Maine
WB1EGT(+W1DLC,K1AAJ) 18,126- 106- 57-B

New Hampshire
WA1TZV(+K1IO,WA2NFI) 80,868- 293- 92-D

Western Massachusetts
K1RQ(+W1ZT,WB1AUL) 985,680-1369-240-D

2
New York City - L. I.
WA2LQO(Multiop) 317,547- 619-171-D

Northern New Jersey
K2BK(+W2IFK) 780,104- 941-248-D
N2WM(+W2VY) 76,275- 225-113-B

Southern New Jersey
N2MM(+N2ME,K2TD) 1,217,106-1366-297-D
K2FL(+N2ATX) 479,856- 769-208-D
W2UI(+Net) 465,117- 787-197-D

Western New York
K2JPM(+WB2s LRU MRS) 91,740- 278-110-B
N2ADA(+WA2VEZ) 23,659- 137- 59-B

3
Eastern Pennsylvania
N3AD(+N3DA) 1,519,545-1717-295-D
N3ED(+Net) 1,278,624-1402-304-D
K3NZ(+K300) 1,258,824-1652-254-D
N3AW(+N3AFU) 969,900-1325-244-D
K3SME(+K3KNH,WA3FZQ) 702,933-1309-179-D
W3NZ(+Net) 681,504- 916-248-D
W3KT(+Net) 353,190- 610-193-D
W3KV(+Net) 307,304- 536-188-D
W3EVW(+Net) 242,880- 506-160-D

Maryland - D. C.
W3AU(Multiop) 2,072,448-2056-336-D
W3GG(+K3RT,N3AM) 1,086,072-1534-236-D
K3IU(+Net) 577,080- 840-229-D
W3UO(+Net) 377,607- 659-191-D
N3TR(+K3EST,K4FJ,K1EK) 272,976- 517-176-D
N3RL(+Net) 206,550- 405-170-D

Western Pennsylvania
K3UA(+W3AS,WA3s FET JFW) 1,130,766-1417-266-D
K3RN(+K3s BSV TT) 744,000-1032-250-D
K3WT(+K3s TP V,X,N3EE) 661,902-1031-214-D
K3QD(+W3s KKK LCD L,C) 661,902-1031-214-D
WN3CWW 454,947-1091-139-D

San Francisco
W6BIP(+AA6GM,WA6DJI) 629,880-1160-181-D

San Joaquin Valley
K6AO(+Net) 234,549- 511-153-D
K6YK(+Net) 97,569- 293-111-D
W6YKM(Multiop) 23,040- 128- 60-D

Sacramento Valley
K6RLY(+K6CSL) 112,896- 448- 84-D

Arizona
N7CW(+N4GS) 255,621- 613-139-D

Oregon
W7CG 106,812- 276-129-D

Washington
K7WQD(+K7OE,NTTU,WA7RKJ) 756,702-1557-162-D

8
Michigan
W8GLC(+AA8K,AC8W) 309,510- 570-181-D
K8AQ(+W8ARS,WB8ZFB) 235,350- 523-150-D
WB8RUQ(+WB8RIJ) 59,220- 210- 94-B
AE8W(+WB8RIJ) 26,640- 120- 74-D

Ohio
AD8P(+W8FM,WB8WMB) 1,082,142-1522-237-D
WB8JBM(+A8S,N8CQ,WB8s) 980,226-1534-213-D
K8DG(+WB8SD,WB8AUB) 604,206-1206-167-D

9
Indiana
N9NS(+W9s LF OBF) 634,014-1194-177-D

0
Colorado
K9UK(+N9ACW,W9KEA) 543,000-1000-181-D

Northern Texas
K5JA(+K5MR,N5s AU TR,WA5ZWC) 1,458,468-1914-254-D
K5EE(+N5TR) 356,184- 776-153-D

Southern Texas
W5AC(+K5GN,WB5YOT,oprs) 1,242,999-1593-281-D
K5NA(+K5GA) 940,383-1201-261-D
K5KG(+AD5W) 76,440-1062-240-D
AD5Q(+WB5WHR,WB5KBU) 312,768- 724-144-B

6
East Bay
K6XO(+N6NE) 877,725-1245-235-D
K6HIH(+Net) 608,367-1361-149-D

Los Angeles
AA6RX(+WA6OTU) 74,538- 303- 82-D
W6VIO(N6s MP WU,oprs) 19,926- 123- 54-C

Santa Clara Valley
N6IG(+K6MYC,W6TPH) 1,678,950-1950-287-D
N6RZ(+AA6T,WA6OCV,WB6s) 835,548-1372-203-D
K6DC(+Net) 506,022- 902-187-D
K6ZX(+Net) 261,855- 529-165-D
AA6G(+Net) 193,152- 503-128-D
WB6VSC(+K6STI) 181,892- 258- 98-D
N6QW(+Net) 178,626- 258- 98-D
WD6EPV(+Net) 52,584- 313- 56-D
WB6EXW(+Net) 3306- 38- 29-D

Multi - Multi

N2AA(+K1KI,W1PM,K2s BQ) 5,778,663-4271-451-D
GL NG SS TT UR,N2WT,WA2SFB,WB2VYA) 4,891,410-3910-417-D
W4BVV(+K4s JX XX,K2BA) 3,465,882-3114-371-D
K3KU,W3s IUU ZZ,WA3AMH,K4YF,WD4AXM) 5,778,663-4271-451-D
N3RS(+K3LT,N3RD,W3XU) 4,891,410-3910-417-D
W3MM(+K1PT,K3s GM II,N3LR,W3RJ,WB3HEQ) 4,891,410-3910-417-D
W3FA(+K3s NA TA ZZ,W3s ABC XY,WA3s KCY ZAS,N8II) 4,805,001-3897-411-D
K8LX(+K8s GM ND,N8EA,W8s KPL WA ZF,WA8ZDT) 4,160,451-3863-359-D
W7FU(+AH6Z,K7s HBN SS TI,N7ZZ,WA1KKM) 4,115,286-4011-342-D
K3WW(+K3s VA WJW,WA3LUY) 3,465,882-3114-371-D
W9TM(K9s BG GL GS HMB KM,KU NO RF RS,oprs) 3,907,008-3648-357-D
K9RF(+K9GU,N9s BA CP RR,W9s CP UA UN) 3,879,354-3602-359-D
W1RR(+K1IU,N1EE,W1s KM TSP) 4,465,882-3114-371-D
W7NN(+K7GA,N6s SF TJ TV,K6KM,WB7TYF) 3,446,688-3568-322-D
W2YV(+N2NT) 2,902,392-2986-324-D
K3RL(+AA3B,K3GQJ,W3BI) 1,814,669-2673-351-D
N6ND(+N6s EW KA RM ZI) 2,287,260-2910-262-D
K6ZM(N6s KB LC,WA6DGX) 2,193,360-2470-206-D
K6XV(+K6PJ,N6s FJ VV) 2,158,107-2597-277-D
W6MSF(A6GU,WA6VEF) 1,848,840-2170-284-D
K2UA(+WA2HGM) 1,465,536-1796-272-D
K6RV(+N6s OP XI,WA6VAT) 1,424,643-1707-253-D
N6TA(+WA6s HCI PYI) 1,404,702-2001-234-D
K6OYE(+K9LFG) 1,260-1858-240-D
K6OQ(W6OKK,WB6DSV,WD6AID,oprs) 1,413,520-1684-260-D
K6RU(+N6GM,N9MU) 1,274,130-1815-234-D
A16V(+K6BF) 1,163,880-1590-244-D
W6XX(Multiop) 802,530-1446-185-D
K6AYA(+WA6OEC) 61,220-1197-212-D
W6YX(K1KH,N1OO,W2JU,WA6ITV,N7MM,W8ZI,oprs) 684,378-1158-197-D
W3NX(+AD3S) 584,892- 844-231-D
N1AU(+K1CE,WA1YML) 76,077- 237-107-D
WB9HAH(+WA9PUZ,WB9VUJ,WB9s FKG HRV) 19,140- 145- 44-D

Check Logs

Phone
W2HAZ,KN2QWO,W2ZVJ,W3KB,WB4FTU,W4NOS,W5JMN(+W5HERI,N6BCY,WB6RWJ,WB6YB7,N7AII,K7INM,W7LAD,W8BWF,W9GFR,WB9GJ,WB9HWY,K9KWL,WB9TKJ,WB9WU,W1PWK,W1YK,W2VAH,WB2WG,K4CHN,WA4BTG,WA4QCY,WB4ZCP,K6FM,VE1AN,VE3IPR,VE7AJ,DM2BFK,DM2CTF,DM2FBN,DM2GGL,A,DM2XZ,DM4SDA,DM-EA-92781G,F68JA,FE7ZZ,F68DX,HR1OP,HR9QL,I1HAG,I3MAU,IK3BJN/A,KL7JFV,LA5LO,OH2BAC,OK1JST,OK1MSJ,OK3KFF,OX3AK,OX3RA,OX3ZM,PA3ABZ,PA9NRD,PT2LS,PT7AW,SM2COR,SM5FTM,SM7BBV,SM7RS,SP4KNC,SP6PZB,SP6FAF,SP9FIH,oprs) UA1CQ,UA3DEA,UA3DFV,UA3DGI,UA3DNK,RA3DPD,UA3TAM,UA4HAD,RB5JCJ,UA6LXZ,UA6FDW,UA6GOL,UA6ADR,UA6LEO,UA6SGI,UA6ABK,UB5DW,UB5EID,UC20AZ,UK3XAA,UK4UAC,UK5ECV,UK5EDB,UK5FM,UK7LAF,UK9CAA,UK9AAC,UK9LAK,UQ2DZ,UQ2GDQ,U2RMG,W6CV,UV3DN,UV3MM,UW3RR,VEICE,VP2MDW,(WA9KUW,oprs) VY7UBC(N7RO,oprs) YO6LV,YO2BL,YV5HOA,ZF1SV,ZS6CS,4U1ITU,6Y5GL

CW
WB1CRI/N,W1PWK,W1YK,W2MEI,W2OBX,N3AQV,K3DR,WB3GAV,WB3IXF,N4APK,N4BMM,N4UFM,W4BWF,N6HE,WB6YB7,N7DHW,W7GDH,W7TE,WB8OEP,W9CG,W9FSD,W9IJ,K9LD,K9AASU,W9YV,DK3RI,N3HRS,DM2BTO,DM2BUI,DM2CBB,DM2CCM,DM2CGB/A,DM2DGE,DM2GDL,DM2GHL,DM2MMJ,DM2WJ,DM2ZL,DM4YSL,DM4YU,DM5ZDL,HA5DJ,HA5KKJ,I2XKR,JH3BNJ/4,LA2SG,LZ1UA,LZ2JF,LZ2KR,LZ2LP,OH3TQ,OK1AH,OK1GS,OK1IAR,OK1MWN,OK1ND,OK3OB,PA3AA,Y,PA9PLM,PA9GN,PT7AW,PV1TV,PV4WWW,SM2COR,SM5BDV,SM6APB,SM7BVV,SM7BYSP,SM7TV,SM8DSF,SM9IX,SP1EPA,K2GIR,N3HRS,SP5AGU,SP5CBA,SP5GKN,SP7HOV,SP9PDF,UA1AWO,UA1NBD,UA1OCT,UA1ODK,UA1TAC,UA1TCO,UA1WAP,UA1ZCW,UA1ZWW,UA3ADC,UA3DFV,UA3DHH,UA3DJK,UA3DLD,UA3DNK,UA3ECL,UA3LCC,UA3PBE,UA3SY,UA3TAM,UA3WBA,RA3ZCR,UA4AY,UA4FAT,UA4HFR,UA4LAS,UA4WAW,UA6AVD,UA6AWA,UA6EAE,UA6GAS,UA6ADG,UA9CAM,UA9FCA,UA9HB,UA9MAX,UA9MY,UA9OGB,UA9OKE,UA9OFB,UA9OUB,UA9WDD,UA9XAB,UA9YBY,UA9AA,UA9AC,UA9BBD,UA9CCR,UA9IAW,UA9JDD,UA9LJ,UB5DAF,UB5JGM,UB5LAY,UB5AS,UB5GCP,UB5UBU,UB5UR,UB5VY,UB5UWB,UB5WCT,UB5ZCT,UG6GAF,UK1ABC,UK2AAG,UK2BAT,UK2GJ,UK3AAC,UK3RAD,UK5JF,UK5SA,UK6GAA,UK9CAE,UK9ACQ,UL7GAA,UL7PB,UL7OEW,UP2BF,UP2AD,UQ2GEI,UW3WZ,UW9V,VE3AEI,YO3KSC,YO4ATW,YO4BEW,YU2RTC,YU3DQX,YU3TRI,YU4EXA,ZS6AJ,SF7ZZ

Disqualifications

W5BJA(W5MYA,oprs)