

# Results: 1977 ARRL International DX Competition

Happiness is a good run.

By Jim White,\* K1ZX/WA1NNC and Dan Street,\*\* WA1QNF

Journey back into the past. The year is 1965 and then as now, February and March meant only one thing — the International DX Competition. Things look a lot different now than they did then. Or do they?

The quota system was still in effect back in '65 — on cw at least. The quotas limited you to working six stations in a given country. Just six stations. Once you worked six DLs or six JAs you could work no more. That was pretty frustrating for the DX station in a country with a large ham population. Many times calling a big signal on the band resulted in "sri, I've filled my quota." Phone had no quotas. (Back in '65 there weren't enough DX stations active to warrant them.)

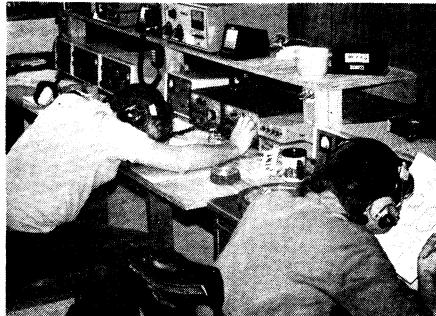
Quotas would seem odd today. When you think about the number of JA QSOs W7RM made, or the number of DLs worked by W2PV, it would seem even more out of place. The same goes for everybody. The majority of contacts are with a small number of countries, say Europeans. Although you can run up a multiplier of over a hundred on a band, many countries have one or maybe two stations representing them. For the VEs things were a little easier . . . they had a quota of eight.

The scoring of the DX Competition was much different back then. But, looking at some of the calls from those "ancient" years isn't as odd as it may seem. Familiar call signs abound and the charm of the DX Competition is proven. The perennials show up. In '65 HI8XAL made 2700-plus QSOs on cw and almost 1800 on phone. Today K3ZO made the top ten on cw and placed 11th on phone. Going back we find W1BIH active in Connecticut. Today PJ9JT is an expected QSO on both modes, all bands. John makes his religious trip to Curacao for two weeks every year (in which time the first cw weekend and

the second phone weekend always manage to fall). Hawaii was stateside back then but today KH6s work Ws and VEs. Either way KH6IJ was and is an active participant. Nowadays he is a regular in the top ten on both modes. Back again is VP2VL, his proficiency making VP2V an easy multiplier on cw.

Could it be the DX Competition is addictive? Ask the above ops. Year after year they're back. The many facets of the DX Competition make it a continuing attraction. To the newcomer working gobs of DX is great (to the big gun it isn't a charm). That does not mean the lure ceases. Tricks of the trade are numerous, numerous enough that there's something for everybody. The gun can't forget any of the tricks he's learned . . . working JAs long path . . . knowing where to look for Russians transmitting on 75 . . . the ins and outs are so numerous you can't know *too* much.

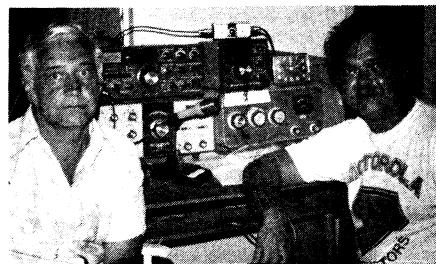
"Great, just what I want to hear about, I'm no big gun — all I do is casually get on for a few hours in the contest. That's all I can stand with those big guns taking up the band, they make it impossible for me to work any DX." Are they taking up the band and making it impossible for you to work DX or are they just one step ahead of you and know something about DXing you don't? Are you trying to get on and work DX at inopportune times? The big guns started out where you're sitting. DX contesting is something mastered with experience, and experience only. Are you getting on in the peak of the band opening? If so, you're probably working the DX. . . . Are you being practical in entering the pileups where the DX station only has a marginal opening into your area? Those from your area who are working him are only making it through because they know you don't beam straight in on 'em — you work 'em skew path at this time of day. If you want to make a big score from a modest setup you have to be



80 and 160 meters at WA5LES . . . Tom's suggested caption: "0710." Somehow, I get the feeling I've been there.



Six of the seven smiling Seven-RM superstation stalwarts, successfully seizing slot numero uno in multi-multi phone. Back row people: WA7OTT, K7SS (K7JCA), Mr. W7RM, W5QQQ. In front: VE7ZZ and K7JA (K7VPF). Not pictured is K7CW (K7HTZ).



High Montserrat one-weekender went to VP2MNK. Expeditioners WA0ONK and W0NAR made nearly 3900 QSOs with the aid of VP2MGB.

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**One-Weekend DXpeditions  
(All Are Certificate Winners)**

**CW**

*Continent*      *Made by*

**Africa**

3B8DT      K4FOK

**Europe**

C31IU      F0AXP

DL1YA/OE7  
W5ONL/HB  
OH0XZ  
OH3XT/OH0  
OH3PE/OH0

**N. America**

WA8TOB/C6A  
WB6UAG/FM0  
PJ8CO

K1CO, WB2DRW, WB2OEU,  
WB2WOI  
W6QL, W6KG  
VP2KN  
VP2LBH  
VP2MAQ  
W1HUY/VP9  
XE2MX

W1BIH  
K5MA

**Phone**

**Europe**

W5ONL/HB      W5ONL

**N. America**

W4SS/C6A      W4OO, W4PJG, W4RA,  
W4SS, WB4POB

PJ8CO      K1CO, W1GYZ, WA2DYK,  
WB2DRW, WB2GIO, WB2OEU,  
WB2WOI  
W6QL/VP2A      W6QL, W6KG  
VP2LDQ  
VP2LCG  
VP2MAQ  
VP2MNK  
VP2SZ  
W9ABA/ZF1  
FO0RS

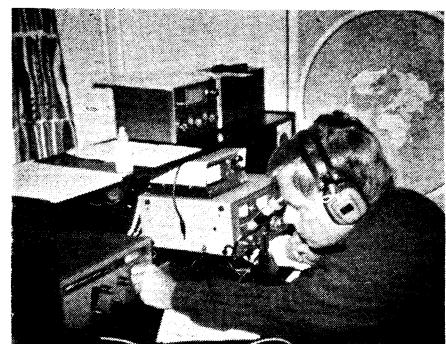
WA9FXJ  
K0KJS  
W6KG, W6QL  
VP2MGB, W0NAR, WA0ONK  
WB8JEY  
W9ABA  
K6NA

**S. America**

PJ9JT      W1BIH



The Man himself — Sig N3RS/W3WJD at 40 cw on your left, and on your right, N3RD, Dave operating 20. I bet they knew they won.



W1 representative for the CAC, and low-power King WA1SSH. Ken now holds eight "firsts" — four code and four phone. Just recently he purchased a linear and goes high power to join the ranks of Connecticut "guns."

whether or not a visit from Mr. Murphy is scheduled.

#### W/VE Single-Op Highlights

The W/VE entrants of 1976 only managed one score greater than two million points. This year W3LPL (last year's Two-Million-Point Man) did himself one better and upped his cw score by 160 kilopoints. Frank's 2.4 million score is dangerously close to the all-time cw record of K1ZND, set in '72. Only one cw score greater than 2 megapoints last year . . . this year six of 'em. A record in itself with W3LPL, W2GXD, W1ZM, WA1STN, W6PAA, and W7RM sharing the honor. The remaining four top-ten slots were outstanding too, in that K3ZO's number-ten score would have landed him in second place last year. Last year's second highest score (from 7RM) wouldn't have made the big box! Last year's cw top tenners back in the box are W5WZQ — now as W5UN, W7RM again operated by K7VPF/K7JA, W3LPL, W2GXD and K4(pause)GSU.

Last year's high man for Frankford RC, W2HMH, comes back with that title and along with it the first-place phone seat in W/VE. Charlie's winning score is up by 800k over the W6HX winning score in '76. WA8ZDT (pinging W4QCW), WA1ABW, K4VX, and WA7WXY all pulled in at over 2 million. K2LE/1 at

I bet it's 40-meter phone. W5ONL/HB, a one-weekend DXpedition active on both modes this year. Originally slated for a two-week stay in Switzerland, Dick was lucky enough to have his stay extended by two weeks allowing him to catch the cw weekend.

1.4 meg rounds out the phone top ten. And, like cw, the phone scores are way up from last year . . . even more so when you figure last year's number ten score W1YK, operated by WA1JLD, was 835k and this year WA1JLD (operating WA1STN) came in ninth. It took doubling his score to 1.7 million to keep him in the box. Yes, things were a bit more competitive on phone this year. Like cw, a record number of greater-than-2-meg logs were received, five of 'em — and none were made last year. Conditions were just OK, nothing special. Thinking about the scores to be made in the next few years boggles the mind. The winning phone multi-single, W5TMN, lead the test in 10-meter multipliers with 48. A few years from now 48 will be peanuts. Anyone with a long wire and a transceiver will be able to catch 50. Wow, conditions weren't great, conditions aren't at their prime, but five logs on phone and six logs on cw are better than 2 million points. Eleven single ops over two million, the average score in the top ten this year was 1.99 million. The average-score-record standing from the '71 contest is also 1.99 million. Conditions were peaking about then and now we're still a couple of years away from the new peak. Any guesses as to what the average score will be in 1979?

Master of low power WA1SSH put in

practical. Studying propagation charts like those in the "How's DX?" column each month will tell you a lot — when optimum conditions will favor communications to any part of the world. If you're trying to work 'em during a lull point in the day (and your station isn't more than a dipole and a barefoot transceiver), you're just asking for grief. Working that station is probably no sweat at the peak time of the day. Save yourself the aggravation by knowing when conditions are best. Once you learn about propagation you know where to improve your station . . . thanks to the knowledge you've gained in how it's done. Knowledge is cumulative, and with patience (and the desire you probably have now you aren't pounding your head into the wall) the only thing you have to worry about is

his final low-power effort this year. He went out in style. On code Ken had over 550k and on phone 275k. For the fourth year running Ken is low-power champ both modes. He'll be back next year in C class . . . "I broke down and bought an amplifier, next year I'll have



An awful sight — the contestor's nightmare. K4VX was lucky, in the sense that his tower made it through the DX competition; 49 hours post-test it was another story. Lew's expression tells the story.



EL2 Tango, Bud is another one of those guys who put a smile on your face. Working Bud on four bands this year was a sure thing. And in a year or two, five EL2T QSOs will be more sweatless.

to compete with the big boys." VE3AIA decided to make a big noise from up north in the Maritimes, putting VE1BKB on both phone and cw, the latter to the tune of a million points. Other heated cw battles included the race for number-one single op in Connecticut. WA1STN was edged out by W1ZM (WA2CLQ/K1ZM as op), an extra 100 QSOs for 'STN, but 15 more multipliers for 'ZM . . . net W1ZM first in CT, number three in W/VE and WA1STN second in CT and fourth W/VE. The second weekend conditions weren't exactly favorable for the West Coasters, W7RM only worked eight (yes, eight) JAs. Without the JAs for the West, scores can't make it up there (ever wonder what they did in the days of the quotas?). Europe is far away from W6 and a multiplier difference of about 25 or 30 means you run JAs or don't score. A classic example of this is fifth-place finisher on phone WA7WXY. Rick (now K7GM) cranked out more Qs than anyone else. However, his multiplier of 286 was the lowest in the top ten . . . a whopping 2359 QSOs. True, but with a multiplier 102 down from first-place finisher W2HMH, the net is fifth place. The sole finisher in the top ten on both modes was W2GXD, giving Frankford RC 3.9 million points toward their aggregate score.

High-band competition on cw was

good this year. Interest in this category seems to be increasing. Not content with his first-place finish in the low-band cw category last year, K1NOL came back this year entering and winning the high-band competition. Jim's low-band record score of last year still stands so he now holds both the low- and high-band cw records. High-band phone number one this year is N4MM and low-band phone winner is K4YFQ. Yet another four, N4PN, takes a first-place slot, this one low-band cw.

### Multi-Singles

Multi-single provides an excellent opportunity for clubs to teach their members the ins and outs of contesting. Sitting a newcomer down alongside a seasoned operator can teach the neophyte more in one hour than endless hours of club talks and slide shows can hope to. Entries from W5TMN and WA1NRF proved to be a good race on cw. There were 100 QSOs more for 'NRF, but two multipliers more for 'TMN. WA1NRF took the title. NCDXCC took advantage of this aspect — they had almost as many multiops as single ops on in the contest! W5TMN did make it in as phone multi-single winner, just missing out on three million points by 50 contacts, scoring 225k better than phone single-single winner W2HMH. Strong club ties show up in

### DX Continental Champions

CW		Phone	
Single Op	Multiop	Single Op	Multiop
ZS6WW		Africa	6W8DY
JA2JW	JA7YAA	Asia	JA7GAX
CT4AT	YU3ZV	Europe	CT4AT
KP4EAJ	KP4EAS	N. America	KP4EAS
KH6IJ		Oceania	KH6IJ
PJ2VD	LU8DQ	S. America	YV4TI
			PY1BAR

Italicized callsigns indicate "repeaters" from 1976

### Top Forty

Single-Operator CW		Single-Operator Phone	
W/VE	DX	W/VE	DX
W3LPL	2,424,464	KP4EAJ	5,272,383
W2GXD	2,061,900	PJ2VD	4,708,935
W1ZM	<b>2,052,618</b>	KP4EKI	4,648,644
WA1STN	2,041,572	XE2MX	4,346,712
W6PAA	2,025,147	KH6IJ	3,481,890
W7RM	2,015,145	KH6HKM	
N6AA	1,993,680	CT4AT	2,803,356
K4GSU	1,962,360	ZS6WW	2,621,772
W5UN	1,795,692	PJ9JT	2,246,244
K3ZO	1,762,605	EA2IA	2,194,686
			2,180,892
		K5LWL	1,908,498
		W3BGN	1,857,240
		W2GXD	1,824,642
		WA1STN	1,691,352
		K2LE/1	1,461,042
		HC1BU	2,442,192

### Low-Power Champs

CW	Phone
WA1SSH	722,766
W0PRY	314,415
WA0UCU	310,116
W2BA	302,742
WA2HAI	285,600
WB4KSS	255,420
WB2SJG	250,974
W3ARK	250,848
K3KO	242,880
K1NH	180,999
WA1SSH	506,100
W0PRY	321,408
WA0UCU	214,728
WB2BA	196,020
WB2HAI	194,334
WB4KSS	192,390
WB2SJG	186,984
W3ARK	186,620
K3KO	101,682
K1NH	100,080

**Division Leaders****Phone****Single Op**

All	Low	High	Multiope	M-M
W2HMH	WA3SWF	K3ZOL	Atlantic	W3BWZ
W9LT	WB9MOG	WB9HAD	Central	W9RX
WA0ONL	—	W0OUE	Dakota	WA0FQF
K5KLA	WB5HVY	K5FVA	Delta	W5WMU
WA8YWX	W8TWA	WB8JBM	Great Lakes	K8IDE
W2GXD	W2HHC	W2MB	Hudson	WB2RKK
W0FHE	WB0EED	W0PRY	Midwest	K0AZV
WA1ABW	W1FC	K1CSJ	New England	WA1ABV
WA7WXY	W7YTN	W7ISX	Northwestern	K3MNT/7
WB6GFJ	W6NLZ	WB6OOL	Pacific	N6MG
W4QCW	WA4YBV	N4MM	Roanoke	WA4APD
K5EVK	—	WB0QHV	Rocky Mt.	WB0LLR
N4PN	K4YFQ	WA4CQD	Southeastern	WA4LZR
K6AC	WB6NRK/7	WA7YRP	Southwestern	W6YRA
K5LWL	K5JZY	K5BZU	West Gulf	W5TMN
VE1BKB	VE3BBN	VE3HGN	Canadian	W5BJA
				VE8ML

**Division Leaders****CW****Single Op**

All	Low	High	Multiope	M-M
W3LPL	WA3SWF	WA3SZX	Atlantic	W3NX
K9DX	K9DWK	WB9LHI	Central	WA9IVL
W0HP	WB0ANT	W0OUE	Dakota	—
W5WMU	—	N4ZZ	Delta	—
K4GSU	W8IQ	K8ETO	Great Lakes	K8IA
W2GXD	W2HHC	WB2PYM	Hudson	W8ROF
W0ZLN	WB0NOU	W0PRY	Midwest	WA2UOO
W1ZM	W1NJI	K1NOL	New England	WB0RRA
W7RM	W7YTN	WA7OBL	Northwestern	WA1NRF
W6PAA	WA6SFT	W6HJP	Pacific	W1RR
K4VX	W4HBK	N4MM	Roanoke	N7XX
W7HS	WA5YTX	—	Rocky Mt.	WA6DQM
N4RR	N4PN	W4WHK	Southeastern	W4WIN
N6AA	W6DYD	WA6WZO	Southwestern	WA4LZR
W5UN	W5KLB	W0PCO/5	West Gulf	K6SE
VE1BKB	VE6AYX	VE6KW	Canadian	W6BA
				W5TMN
				WA5LES
				VE4OY

the phone multi-singles with Frankford, PVRC, NCDXCC and MM all putting in multiple entries. Use of spotting nets for conveying hot multiplier news is the main reason. Some ops normally running single-single decided to use the net for score aid — foregoing single-op status and entering the ranks of the multi-singles. The scores of the phone multi-singles fall into the 1.5- to 2.5-million-point range with the exception of the TMN winning score of 2.9 million — a clear victory.

There is only one set of rules for multi-single operation, but two distinct methods of operating a multi-single exist. Interpretation of the rules for multi-single vary, some seeing the "single" as meaning one transmitter while others say one signal. The classical view of multi-single is that the category is an extension of the single-op category, i.e., the only way it is different than a single op is there's more than one operator of the station — to assist in keeping the station on the air for the full 96 hours,

The second op(s) can man a second receiver, looking for band openings and multipliers. Some multi-singles have taken this to an extreme and have set second stations, manning them simultaneously. The number of contacts possible from a multi-station multi-single is far greater than a single-op station with more than one operator can match. Contest rules are not meant to discourage participation in the contest, and because of this entrants using the multi-station format were not reclassified into multi-multi. This has been done with the proviso that the Contest Advisory Committee and the Headquarters Awards Committee thoroughly review the reason for the category's existence, and possibly redefine multi-single contest participation. The Contest Advisory Committee is responsible for conveying the participants' interests in contesting to Headquarters, where the rules are implemented. If you feel strongly one way or the other about an issue, like "what is multi-single?" contact your

Total Logs Received (Including Check Logs)	1976 2405	1977 3034
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'76 W/VE: 1368 DX: 872 Check Logs: 165  
'77 W/VE: 1631 DX: 1123 Check Logs: 280

Returns Up 26 Percent

**1978 ARRL DX Competition****Phone**

February 4-5 and March 4-5.

**CW**

February 18-19 and March 18-19

CAC representative (or mail your letter to him via the Hq. liaison) to let him know how you feel. If you don't write, don't complain about the rules.

**Multi-Multi**

Yes, these are the big boys. To the single op they're seemingly merciless on the bands. Their constant presence on the bands make them so conspicuous. No matter what band the single op switches to the multi-multi is there; "sentinels of the bands." It didn't take long to figure out who N3RS was . . . Sig (alias W3WJD) put together a winning multi-multi effort on code this year. Nearly six million points worth of effort, the 80-meter signal of Willie John David fame came through producing 664 QSOs. On 15 meters, W4BVV (K0DDA op) managed 100 more QSOs than anyone else. We add that Lloyd is sightless and along with John, K3NPV (also blind), WA3AMU, K3OAE, W3ZZ, K4GKD and K1JX, W4BVV managed the second-highest multiplier in the 'test — 432 countries — including 80-meter contest high of 73 by K3NPV. In third is W2PV, but not by much as WA5LES multi-multi came within 200k of 'PV. That's right, a 4.5 million point multi-multi from South Texas — hats off to Tom for the well-organized effort. Geography didn't discourage the South Texas crew, they just went out to work a contest and did so in style. K1VBL's New Hampshire multi-multi operation signing W1GQO on cw lost most of their aluminum in the storm on the Thursday and Friday before weekend two — only one weekend for them, but almost two million points, nevertheless. . . Mr. Murphy struck!

On to phone. Now grit your teeth, the beacon of W7RM skunked everyone with an eight-million-point victory. Number two finisher W2PV managed 50 more multipliers than 'RM. Sounds pretty impressive, huh? Impressive, but not as impressive as the 1350-QSO lead by 'RM — over a million points above W2PV . . . where did it come from?

Try 650 more QSOs on 40, 600 more on 15, and 100 more on 75 — that adds up to JA, right? Twenty meters was dead even in contacts; 'RM worked Europeans like crazy, and took 'PV in multipliers: 145 to 134. Competition for number-two slot was possible — can anyone compete with W7RM? We'll tune in next year and see (perhaps). Oh yes, back to competition for number-two slot. The scores made by second and fourth finishers W2PV and W3AU are way up over last year's, 'PV by 52 percent and 'AU by 44 percent. Multi-multi scores are good indicators of propagation and there is no denying these kind of increases spell upswing on the propagation charts. K1VBL's multi-multi signed W1RR, and in their first year out came in third, right at the heels of W2PV.

### DX Horizon

At one time East Coasters worked JAs on 10. This is a few years back the other side of the lull in the cycle, but they did indeed work 'em. The West Coast has been having trouble making it to JA, but this year JA has started up, meager signs, perhaps, but further proof that the conditions are getting better. In the last hour of the contest (on phone) JA1PUK had a run of 12 QSOs into the states. JR1CFG and JA1CG also lucked out and made a few W QSOs on 10. With the trend as it is for West Coast scores, 20 meters could well become the lowest contact-producing band — boggles the mind, eh? Way over on the other side of Asia 9D5A surprised many with a usually unheard country — Iran. If you listened hard you lucked out and caught him. On phone things were pretty tough for Bill (K6KM/W6HQN). Running 60 watts makes the distance between Iran and W/VE seem further. "Believe it or not, my 69 phone contacts represent an all-out effort in the contest. Few but the 'big guns' heard me call them, and not one CQ got a response . . . except from Europe and Africa." Those of us who heard you say thanks, Bill, especially the three of us lucky enough to work you on 75. On cw 9D5A was multi-single, with K5MM assisting. Over 600 contacts, not bad for a TH3 and 60 watts.

The whopping 2.9-million-point score by 6W8DY (number Six, letter W, number Eight . . . ) brings an African score back into the top-ten box. Aiding in keeping Africa on the ham radio map are the kilos of QSOs made by EL2T, ZS6DN and 9G1DN. Fifth worldwide cw scorer ZS6WW entered the top ten, too — making two Africans successful at thwarting the NA/SA/Oceania guns.

*Flash!* Switched to 40 meters, worked CT4AT. Good gawd, K7ZZ's last DX test from Portugal proved a winning one with his phone score of 3.8

### Affiliated-Club Scores

State/Prov.	Call Area	Club	Score	Entries	CW Winner	Phone Winner
VA	4	Potomac Valley RC	65,437,392	98	W3LPL	K4VX
PA	3	Frankford RC	50,776,590	80	W2GXD	W2HMH
CT	1	Murphy's Marauders	41,064,741	38	W1ZM	WA1ABW
CA	6	N.CA DX & Contest Coop.	35,542,482	99	W6PAA	WB6GFJ
WA	7	Western WA DX Club	22,452,069	54	W7RM	K7DZ
IL	9	N.I.L DX Assn.	19,187,088	40	K9DX	W9BW
TX	5	TX Assn. of Contest Ops.	15,604,563	14	W0PCO/5	K5VTA
MA	1	NE Contest Club	14,045,268	39	K1GQ	K1CSJ
NJ	2	Wireless Inst. of the NE	13,339,967	41	W2REH	WB2RJJ
CA	6	S.CA Contest Club	10,799,631	21	K6AC	K6AC
OH	8	Mad River RC	9,781,374	22	K8RMK	WA9BWY
TX	5	TX DX Society	6,001,908	10	W5UN	K5LWL
CA	6	San Diego DX Club	4,865,796	16	W6ABT	WA0OOL/6
CA	6	S. CA DX Club	4,504,236	11	N6AA	W6BA
NY	2	Order of Boiled Owls of NY	4,092,105	13	K2LE/1	K2LE/1
MI	8	Mich. DX Assn.	3,555,759	6	K8ETO	—
AL	4	N.AL DX Club	3,432,672	7	—	K4TIG
LA	5	Delta DX Assn.	3,069,312	5	—	K5FVA
AZ	7	Central AZ DX A.	3,038,037	15	WA7YRP	WA7YRP
VA	4	Central VA	2,940,228	5	WA7YRP	WA7YRP
IN	9	Contest Club	2,886,696	4	WA7YRP	WA7YRP
MN	0	INDY DXers	2,797,194	12	W0HP	WB0ANT
CO	0	Twin City DX A.	2,797,194	12	W0HP	WB0ANT
CO	0	Colo Contest	2,316,690	3	—	—
GA	4	SE DX Club	2,146,491	9	N4PN	N4PN
TN	4	Mid-South ARA	2,012,376	11	WA4FDR	WA4EAV
NJ	2	S. Jersey RA	1,810,940	13	K2JOC	W2FGY
IA	0	E. IA DX Assn.	1,466,712	17	K0FLY	W0FHE
WI	9	Four Lakes ARC	1,282,587	6	K9KGA	—
NY	2	Overlook Mtn. ARC	1,236,198	14	WB2BXL	K2SD
IL	9	Kankakee Area RS	1,090,599	4	—	—
NY	2	Buffalo Area DX Club	1,058,310	4	—	—
OH	8	OH Valley ARA	1,001,505	8	W8RSW	—
FL	4	N.FL DX Assn.	964,554	8	—	W4ZTW
MAN	0	Winnipeg DX Club	868,143	10	—	VE4RP
MO	0	MO Valley DX & Contest Club	785,583	11	W0TDR	W0HBH
ONT	0	Toronto DX Club	752,037	4	—	VE3HGN
IN	9	INDY DXers	720,924	3	—	—
TX	5	Alamo DX Amigos	714,900	11	W5BE	W5BE
IL	9	Waukegan VHF Society & ARC	703,671	6	—	W9LUH
VA	4	VA Century Club	674,037	10	—	WB4OXD
OH	8	Columbus ARA	621,663	7	W8ZCQ	W8ZCQ
NJ	2	Old Barney ARC	562,959	6	W2EQK	W2EQK
MD	3	ARINC ARC	556,965	7	N3OS	W3PWO
NS	0	Halifax ARC	539,852	4	VE1MX	—
NY	2	Poughkeepsie ARC	482,463	5	—	WA2LJM
KY	4	River Rats ARC	352,704	3	—	—
NC	4	Charlotte ARC	327,036	4	—	K4GFH
ALTA	0	Calgary DX Club	253,284	8	VE6AMR	VE6AMR
NJ	2	Gloucester Co ARC	185,847	4	—	—
NY	2	Lake Success RC	168,972	3	—	—
KY	4	Bluegrass ARC	166,521	3	—	—
NC	4	Brightleaf ARC	108,990	5	—	WA4NHP
CT	1	Meriden ARC	92,892	6	W1KKF	—
OH	8	Parma RC	34,134	4	—	—
IL	9	Chicago Radio Tfc.A	26,292	5	W9REC	—

million setting an EU record. Though he claimed not to know the code, Don made 3800 cw contacts, nailing down high Europe single-op on both modes

. . . the word is that Don has gone down to the Caribbean. But we'll wait and see what comes of it. EA2IA (?) broke two million on cw again, and YU3ZV put together a 2.2 million point multi-single . . . two Europeans you *always* work. Multi-singles from Russia were plentiful again. Active on both

modes, the UK2 Bravo Bravo Bravo and UK2GKW crews each broke 2000 phone QSOs. Lithuania and Latvia were duck soup on four bands.

If you didn't work KP4EAS you were in a very small minority. Mike set an all-time world record DX score this year; his 7/8-pound log was filled with 8132 QSOs, and 309 multipliers . . . 43 on 160, 55 on 75, 56 on 40, 20 on 15 and 53 on 10. Pretty good show when you consider it's only possible to work a

maximum of 57 multipliers on each band. Speaking of Puerto Rico, Chet, KP4EAJ came back as number-one code man. His score was up by 36 percent . . . a big increase when you made as many points as Chet made last year. . . . Also returning to the top ten, in sequential order, are PJ2VD and KP4EKI, repeating number two and three this year. Other returners to the top-ten box from '76 are KH6IJ (on both modes); KH6HMK, cw (no, it's not KH6SKM or KS6SKM as found in many a log); KP4EAS, phone and XE1LLS, phone. Number-ten single op on phone, HC1BU, deserves commendation with his high-band effort. EA2IA's score also is encouraging as there are two Europeans in the top-ten cw, another indicator of improving conditions. There haven't been any Europeans in the top ten since '74.

K6NA/W6MAR had a little fun this year, operating XE2MX to a fourth-place finish on cw. Glenn went to French Polynesia to operate FO0RS, handing out 2200 plus QSOs, an interesting way to spend a March weekend. Nice weather was in the offing for the K1CO/PJ8CO crew again this year. Operating multi-multi, they made 7810 QSOs in a weekend; on phone that is. On the cw weekend they just missed 4000 Qs — not bad for a few vacation

contacts. (Not to mention the contacts that bachelors tend to make on a Caribbean vacation.) On the waves and the airwaves, the Colvins continue their jaunt around the world. Island-hopping to Antigua in February, and Montserrat in March, they totaled just shy of 11,000 QSOs. Close to 20 one-weekend DXpeditions were made to the Caribbean this year — fun was had by many and we're sure many a time ham radio was forgotten in favor of time in the sun.

Recognizing every outstanding effort is a tough job, that's why we are lucky to be able to print all the scores. Statistics are always easy to extract. . . . You name it, the number of stations operating portable, the number of calls ending in V, what you seek is here, extract as you please!

#### Affiliated-Club Competition

Back on top again this year, the Potomac Valley Radio Club took first first, with Frankford Radio Club second. The two traded positions from last year. Excellent efforts by PVRC members netted 65 million points to the club. Returning to third place was the now-split Murphy's Marauders. The majority of their membership joined with the Northeast Contest Club and formed the Yankee Clipper Contest

Club. Next year YCCC will be a force to watch for! Northern California Contest Club members merged with the Northern CA DX Club. The marriage resulted in the Northern California DX and Contest Cooperative. NCDXCC took number-four slot this year. (Last year NCCC took fourth, netting an ersatz return to fourth position.) In seventh with only 14 entries (most of 'em multiops) was TACO, the Texas Association of Contest Operators. It was another marriage of clubs, this one a bit more spicy, the Richardson Wireless Klub joining with the Texas DX Society. Notable, too, is the turning to by members of the Northern Illinois DX-Association — entering the coveted top ten and placing sixth.

#### Alms, Pse?

Putting together the data for a DX Competition writeup isn't easy. Just ask Dan, WA1QNF; Bill, K1WJ; Rita, WA1WEV or myself (K1ZX). Between the hours of working on 2754 logs and Rita's hours of typing at the composing machines, stock in Excedrin *must* be up.

As we've stressed throughout this writeup, conditions were way up. By next year we should be rewarded for our years of suffering with the merciless Griznoid, Ruler of Bad Propagation.

#### 1977 DX Competition

Scores are grouped with U.S. and Canadian entries first, DX later. Logs are broken down by continent; within a continent alphabetically by country prefix. Line scores read call sign, score, contacts, multipliers, power category and hours of operation. Example: W1ZM, 2,062,618 points, 2179 contacts, 314 multipliers, power over 500 watts and operating time of 96 hours. Power categories are A, 150 watts or less, B, 150-500 watts, and C, greater than 500 watts. An asterisk next to a U.S. or Canadian entry denotes ARRL staff member, ineligible for award.

U.S.A.	New Hampshire	W2GKZ	122,301- 321-127-C-20	WB2KNZ	11,088- 88- 42-B-	Western Pennsylvania
CW	K1GQ 1,587,936-1904-278-C-68 WA1ABV	W2CP 88,530- 227-130-C-15 WB2FKF 88,368- 263-112-B-20 WB2IRV 87,963- 269-109-A-24	3			K3KO 242,880- 506-160-A-54 K3HZL 167,808- 368-152-C-24 W3HDH 162,900- 362-150-B-29 K3HWL 11,745- 87- 45-C- 7
Single-Op	K1NH 1,307,136-1702-256-C-75 WA1VVB 180,999- 507-119-A-55 WA1VVB 155,232- 462-112-B-42 WA1VSM 31,785- 163- 65-B-15 W1LQQ 6510- 62- 35-B- 4	WB2TKE 65,007- 233- 93-C-15 WB2LWE 33,180- 140- 79-C-22 WB2MVS 13,197- 83- 53-B-10 WA2CXQ 8448- 64- 44-C-22				
1				W3DA 175,098- 379-154-B-30	4	
Connecticut	Rhode Island					
W1ZM(WA2CLQ,opr.) WA1STN*	K1GMW 118,503- 297-133-C-28	W2GXD 2,061,900-2291-300-C-82 WB2FZ 1,004,724-1329-252-C-74	K3II 897,435-1221-245-C- W3JSX 855,177-1173-243-C-77			
2,041,572-2276-299-C-85 W1YQ 1,124,352-1536-244-C- WA1SSH 766-1034-233-A-78 W1HKH 563,472-1092-172-C-51 W1GPK 419,490- 790-177-C-52 WA1NSW 251,424- 582-144-C- W1VV 153,639- 397-129-C-22 W1VW 100,528- 307-128-C-22 W1VW 99,528- 166-116-C-44 WA1AH1* 94,446- 297-106-C-22 W1BIH 71,820- 109-126-C- W1CNU 69,678- 237- 98-B-42 W1KKF 61,965- 255- 81-B-23 WA1UWR 55,224- 236- 78-A-16 W1EWK 44,024- 187- 65-C-16 K1V1Q 34,056- 132- 86-A-13 K1VDF 25,740- 132- 65-C-16	WB2RJ 973,896-1364-238-C-58 WB2TK 245,340- 401-127-C-44 WB2DBD 33,620- 340-131-B- WB2ZWH 127,908- 418-102-A-52 WB2ZZ 86,070- 302- 95-C-20 WB2EZJ 82,716- 244-113-B-27 W2HUG 65,934- 198-111-A-23 WB2RS 65,934- 198-111-A-23 WB2ZO 65,614- 237- 94-C-18 W2HN 41,850- 150- 93-C-17 W2RS 19,392- 101- 64-C-12 W2MB 6612- 58- 38-C- 3 W2UL 1575- 25- 21-A- 8	W3AP 770,718-1066-241-C-50 W3OM 734,613-1243-197-C-49 W3FQ 581,126-101-147-C-49 W3VIK 588,675- 975-191-C-60 WA3MD 461,835- 933-165-C- K3ZOL 375,888- 764-164-C- W3KG 368,490- 710-173-C-58 W3NZ 336,117- 619-181-C-40 WB4W/RD 336,616- 620-175-C- W3VK 289,896- 289-152-C- W3ARK 250,848- 536-156-A-45 W3KT 148,230- 366-135-C-48 W3GD 133,266- 334-133-C-30 W3EVW 125,730- 330-127-C-20 WB3BKD 91,800- 306-100-C-45 W3ELF 28,830- 155- 62-C-10 W3HMR 16,200- 160-147-C-26 W3MM 18,150- 101- 50-B-13	W8FAW/4 1,088,640-1296-200-C-60 N4NO 1,049,914-1268-272-C-70 W3JJZ/4 126,492, 254-166-C-35			
Vermont	K2LE/1 1,377,090-1605-286-C-74 W1KQ 1208- 36- 26-C- 3					
Western Massachusetts	WA1ABW 1,649,508-2044-269-C-68	K3II 897,435-1221-245-C- W3JSX 855,177-1173-243-C-77				
Rhode Island	W1YK(K1P1B)	WB2REH 1,588,176-1614-328-C-56 W2HBT 961,704-1444-222-C-60 K2SD 848,000-1224-122-C-50 K2PL 548,464- 724-247-C-67	K3II 897,435-1221-245-C- W3JSX 855,177-1173-243-C-77			
Northern New Jersey	K2JOC 318,780- 660-161-C- WB2Z 312,576- 704-148-C-26	K3ZOL 375,888- 764-164-C- W3AK 250,848- 536-156-A-45				
Eastern New York	W2RHE 1,588,176-1614-328-C-56 W2HBT 961,704-1444-222-C-60 K2SD 848,000-1224-122-C-50 K2PL 548,464- 724-247-C-67	W3KT 148,230- 366-135-C-48 W3GD 133,266- 334-133-C-30 W3EVW 125,730- 330-127-C-20 WB3BKD 91,800- 306-100-C-45 W3ELF 28,830- 155- 62-C-10 W3HMR 16,200- 160-147-C-26 W3MM 18,150- 101- 50-B-13	W8FAW/4 1,088,640-1296-200-C-60 N4NO 1,049,914-1268-272-C-70 W3JJZ/4 126,492, 254-166-C-35			
Eastern Massachusetts	W2AZO 487,674- 821-198-C-48 W2HO 449,880- 815-184-C-67 WA2HAI 285,600- 560-170-A- W2AWF 171,450- 450-127-C-55 K2MK 182,550- 450-127-C-55 W2DZ 107,910- 327-110-C-10 WA1LKK 69,495- 205-113-C-11 K1VBS 101,007- 261-129-A-49 W2FPG 55,860- 196- 95-C-15 W1OPJ 23,010- 130- 59-A-22 W2MNK 22,656- 128- 59-B- W1UW 13,446- 83- 54-C- W1KZR 11,613- 79- 49-B-10 W1EQY 10,224- 71- 48-A-35 WA1PNX 4368- 52- 48-B- 6	K2LYL 312,576- 704-148-C-26 W2PAU 297,500- 500-195-C-42 W2KTD 248,775- 535-155-C-25 W2JOC 318,780- 660-161-C- K2TD 132,969- 349-127-B-53 W2EAJ 275,049- 549-167-C-75 W2AEZ 275,049- 549-167-C-75 W2HMH 248,775- 535-155-C-25 K2ZAT 132,969- 349-127-B-53 W2EZA 132,969- 349-127-B-53 K2TD 297,500- 500-195-C-42 K2ZAT 132,969- 349-127-B-53 W2VYA 63,252- 251- 84-C-16 W2BGE 62,712- 312- 67-C-18 W2SDB 47,214- 183- 86-C-17 N3OQ 178,500- 425-140-B-56 W2FGY 7869- 61- 43-B-10	K3ZOL 375,888- 764-164-C- W3AK 250,848- 536-156-A-45 W3KT 148,230- 366-135-C-48 W3GD 133,266- 334-133-C-30 W3EVW 125,730- 330-127-C-20 WB3BKD 91,800- 306-100-C-45 W3ELF 28,830- 155- 62-C-10 W3HMR 16,200- 160-147-C-26 W3MM 18,150- 101- 50-B-13			
Western New York	W2AZO 487,674- 821-198-C-48 W2HO 449,880- 815-184-C-67 WA2HAI 285,600- 560-170-A- W2AWF 171,450- 450-127-C-55 K2MK 182,550- 450-127-C-55 W2DZ 107,910- 327-110-C-10 WA1LKK 69,495- 205-113-C-11 K1VBS 101,007- 261-129-A-49 W2FPG 55,860- 196- 95-C-15 W1OPJ 23,010- 130- 59-A-22 W2MNK 22,656- 128- 59-B- W1UW 13,446- 83- 54-C- W1KZR 11,613- 79- 49-B-10 W1EQY 10,224- 71- 48-A-35 WA1PNX 4368- 52- 48-B- 6	K3ZOL 375,888- 764-164-C- W3AK 250,848- 536-156-A-45 W3KT 148,230- 366-135-C-48 W3GD 133,266- 334-133-C-30 W3EVW 125,730- 330-127-C-20 WB3BKD 91,800- 306-100-C-45 W3ELF 28,830- 155- 62-C-10 W3HMR 16,200- 160-147-C-26 W3MM 18,150- 101- 50-B-13				
Eastern New Jersey	W2RHE 1,588,176-1614-328-C-56 W2HBT 961,704-1444-222-C-60 K2SD 848,000-1224-122-C-50 K2PL 548,464- 724-247-C-67	K3ZOL 375,888- 764-164-C- W3AK 250,848- 536-156-A-45 W3KT 148,230- 366-135-C-48 W3GD 133,266- 334-133-C-30 W3EVW 125,730- 330-127-C-20 WB3BKD 91,800- 306-100-C-45 W3ELF 28,830- 155- 62-C-10 W3HMR 16,200- 160-147-C-26 W3MM 18,150- 101- 50-B-13				
North Carolina	W2RHE 1,588,176-1614-328-C-56 W2HBT 961,704-1444-222-C-60 K2SD 848,000-1224-122-C-50 K2PL 548,464- 724-247-C-67	K3ZOL 375,888- 764-164-C- W3AK 250,848- 536-156-A-45 W3KT 148,230- 366-135-C-48 W3GD 133,266- 334-133-C-30 W3EVW 125,730- 330-127-C-20 WB3BKD 91,800- 306-100-C-45 W3ELF 28,830- 155- 62-C-10 W3HMR 16,200- 160-147-C-26 W3MM 18,150- 101- 50-B-13				
Northern Florida	W2RHE 1,588,176-1614-328-C-56 W2HBT 961,704-1444-222-C-60 K2SD 848,000-1224-122-C-50 K2PL 548,464- 724-247-C-67	K3ZOL 375,888- 764-164-C- W3AK 250,848- 536-156-A-45 W3KT 148,230- 366-135-C-48 W3GD 133,266- 334-133-C-30 W3EVW 125,730- 330-127-C-20 WB3BKD 91,800- 306-100-C-45 W3ELF 28,830- 155- 62-C-10 W3HMR 16,200- 160-147-C-26 W3MM 18,150- 101- 50-B-13				
South Carolina	W2RHE 1,588,176-1614-328-C-56 W2HBT 961,704-1444-222-C-60 K2SD 848,000-1224-122-C-50 K2PL 548,464- 724-247-C-67	K3ZOL 375,888- 764-164-C- W3AK 250,848- 536-156-A-45 W3KT 148,230- 366-135-C-48 W3GD 133,266- 334-133-C-30 W3EVW 125,730- 330-127-C-20 WB3BKD 91,800- 306-100-C-45 W3ELF 28,830- 155- 62-C-10 W3HMR 16,200- 160-147-C-26 W3MM 18,150- 101- 50-B-13				
Southern Florida	W2RHE 1,588,176-1614-328-C-56 W2HBT 961,704-1444-222-C-60 K2SD 848,000-1224-122-C-50 K2PL 548,464- 724-247-C-67	K3ZOL 375,888- 764-164-C- W3AK 250,848- 536-156-A-45 W3KT 148,230- 366-135-C-48 W3GD 133,266- 334-133-C-30 W3EVW 125,730- 330-127-C-20 WB3BKD 91,800- 306-100-C-45 W3ELF 28,830- 155- 62-C-10 W3HMR 16,200- 160-147-C-26 W3MM 18,150- 101- 50-B-13				
Maine	W2AEE(WA2ZKY,opr.)	W3EJJ 72,822- 229-106-B-50 WA3RSK 72,306- 206-117-C-19 W3KA 62,568- 264- 79-C-20	K4YFQ 88,320- 998-280-C-52 W4WKQ 56,163- 193- 97-C-33 WA4BAX 6240- 52- 40-A-11			
W1WVL/4 243,675- 475-171-C-51 K4OAQ 50,430- 205- 82-B-32 K3YGU/4 17,490- 110- 53-C-26	W3EJJ 72,822- 229-106-B-50 WA3RSK 72,306- 206-117-C-19 W3KA 62,568- 264- 79-C-20					
W1WVL/4 243,675- 475-171-C-51 K4OAQ 50,430- 205- 82-B-32 K3YGU/4 17,490- 110- 53-C-26	W3EJJ 72,822- 229-106-B-50 WA3RSK 72,306- 206-117-C-19 W3KA 62,568- 264- 79-C-20					
W1WVL/4 243,675- 475-171-C-51 K4OAQ 50,430- 205- 82-B-32 K3YGU/4 17,490- 110- 53-C-26	W3EJJ 72,822- 229-106-B-50 WA3RSK 72,306- 206-117-C-19 W3KA 62,568- 264- 79-C-20					
N4RR 1,217,430-1670-243-C-74	W3EJJ 72,822- 229-106-B-50 WA3RSK 72,306- 206-117-C-19 W3KA 62,568- 264- 79-C-20					

WA4ZHU	633,828- 904-239-C-60	W6EYY	76,808- 304- 84-C-16	WODWQ	392,100- 769-170-C-40	VE7DTA	.7560-	60- 42-C-34	Los Angeles
K4CL	396,066- 706-187-C-58	W6VKG	44,200- 131- 62-C-30	W9BV	272,850- 531-152-C-25	Multi-Single	K6SE(+WB6CEI)		
W4BV	366,894- 561-218-C-69	WAGTKT	28,341- 201- 47-B-	K9KWK	242,136- 531-152-C-25	U.S.A.	1,586,004-2212-239-C-88		
K4JRF	88,515- 281-105-C-4	W6GRIR	14,229- 153- 31-B-23	K9BGL	205,620- 460-149-C-30		W6RTT(N6DE,W6GOTU,W6KJII,OPRS.)		
WB4OGW	65,949- 247- 89-C-15	W6UR	9,828- 91- 36-B-35	W9JUV	202,530- 430-157-C-58		431,964-1014-142-C-51		
K4PB	55,554- 197- 94-C-23	W6GFJ	9,546- 74- 43-C-12	K9UYI	164,334- 449-122-A-60	1			
WB4QNX(WB4NTH,opr.)	468- 13- 12-C- 4	W6KHS	9,009- 91- 33-C-10	W6VCO	136,580- 261-122-C-20				
WB4QNL	3384- 47- 24-C- 6	W6QDE	3384- 47- 24-C- 6	W9RW	90,024- 241-124-A-30				
Tennessee		San Diego		WA9VOL	61,857- 261- 79-C-16	Connecticut	WA6DQM(+WB6JB,VETZZ)		
W4XJ	757,875-1075-235-C-71	W6BS	39,816- 168- 79-C-13	W9AG	31,395- 161- 65-C- 5		1,292,451-1849-233-C-96		
W1FCC/4	728,472- 956-254-C-60	W6IA	20,655- 135- 51-C-16	W9REC	25,620- 122- 70-C-10		N6MG(+WA6PGB,W6RACZ)		
WB4WHE	31,320- 145- 72-B-27	W6ORJ	384- 16- 8-A- 4	W9P	11,000- 74- 21-C- 4		1,244,196-1819-228-C-96		
K4TTA	12,168- 78- 52-C-10			W9VNE	8,127- 63- 43-C-12		W6OKK(+WA6MQS,W6BDSV)		
Virginia		San Francisco		W9HPG	7,656- 58- 44-B-4		1,094,688-1629-224-C-96		
K4VX	1,413,531-1939-243-C-64	W6WB	212,574- 499-142-C-70	W9UDK	7011- 57- 41-C- 4		K1JHX(+K1VWU,W6R1AEP)		
K4PQL	1,306,383-1763-247-C-76	W6ZHD	56,940- 260- 73-C-30	W9NU	6882- 62- 37-C-26		99,737-1597-207-C-95		
W3ZKH/4	456- 19- 8-A- 3	K6LRN	456- 19- 8-A- 3	W6DQV	5,850- 50- 39-B-14		K1ET(WA1OCU,RYL,SQB,STO,W6R1AEP)* 348,810- 755-154-C-31		
WA4ATL8	1,087,350-1318-275-C-75	WA9VOL		W9CW	5406- 53- 34-B- 6		K1TZD(+WA1OCU,W6R1AEP)		
N4DD	692,037-1083-213-C-70	WA9VOL		W9WR	3,360- 40- 28-B-15		952,620-1587-200-C-90		
K4IAF	596,736- 896-222-C-69	WA6BVM	83,259- 319- 87-C-	WA9RJI	32,292- 138- 78-C-14		K6UD(+W1ARR,W6X,W6A7LV)		
W4YZC	539,847- 861-209-C-42	W6AFH	19,539- 167- 39-C-31	W9VQK	17,304- 103- 56-C-15		698,493-1483-157-C-56		
K4M	1,040,188- 188-148-C-60			W9GSB	4,623- 49- 29-A-13		W6CF(+Net)		
W4XR	415,143- 717-193-C-42			WA9VOL			202,752- 528-128-C-		
W4EI	350,550- 615-190-C-59	Sacramento Valley		WA9VOL			N6OM(multiop)		
W4KFC	340,200- 648-175-C-24	WA6JVD	515,928-1036-166-C-80	WA9RJI			124,584- 358-116-C-55		
K9CMF/4	236,220- 508-155-C-54	K6SG	351,090- 830-141-C-75	W9VQK			WA6GFY(K6CN,W6BE,XW,oprs.)		
N4RP	234,558- 498-157-C-25	K6DR	315,792- 731-144-C-72	W9GSB			49,140- 260- 63-C-10		
W4QQ	200,691- 503-133-C-55	W6NKR	294,309- 617-159-C-63	WA9VOL			W6CN(multiop)	8250- 110- 25-C-10	
K4M	1,040,188- 188-148-C-60			WA9VOL			San Diego		
WA4WR	169,320- 415-136-C-56	WA4ATZM	144,900- 345-140-C-48	WA9VOL			W6ISA(+WA6CXK,WA8OOL)		
WA4ADUS	87,483- 241-121-C- 7	W6AAB	77,250- 250-103-B-0	WA9VOL			1,086,981-1897-191-C-90		
K4KA	82,377- 243-113-A-18	W7KPL	11,520- 120- 32-B-37	WA9VOL			K1RQE(+K1QOEY)		
W4NH	77,250- 243-113-A-18			WA9VOL			San Francisco		
WA4WYN	52,452- 188- 94-A-25	Arizona		WA9VOL			W6BIP(+WA6DJ)	733,788-1308-187-C-75	
W4KMS	50,100- 188- 94-A-25	WA7HRE	363,330- 734-165-C-84	WA9VOL			K1RQE(+K1RQF)	999,708-1468-227-C-79	
W4JAT	32,109- 139- 77-C-16	W2GGL/7	129,918- 367- 118-C-56	WA9VOL			San Joaquin Valley		
W4OW	30,267- 171- 59-C-17	W7ZMD	54,327- 199- 91-B-25	WA9VOL			K6AO(multiop)		
WA4EAZ	19,950- 95- 45-B-20	W6AEB	52,863- 263- 67-B-30	WA9VOL			K6AYA(+WA6OEC)	434,922- 838-173-C-51	
W4EZ	25,938- 131- 66-C- 8	K7JY	22,394- 152- 49-B-13	WA9VOL			K6YK(+WA6BXI)	330,750- 875-126-C-64	
5	Idaho	W7KPL	11,520- 120- 32-B-37	WA9VOL			137,172- 497- 92-C-23		
Arkansas		Iowa		WA9VOL			7		
W5RUH	30,720- 128- 80-B-38	WA9VOL		WA9VOL			Arizona		
WA5HNN	28,305- 111- 85-C-12	Montana		WA9VOL			W7RUK(multiop)		
Louisiana		W7JYW	176,814- 627- 94-C-70	WA9VOL			87,957- 337- 87-C-24		
W5WMU	1,254,252-1646-254-C-86	K7CTI	158,304- 544- 97-C-32	WA9VOL			Idaho		
WSRTX	953,200- 188-148-C-68	K7ABV	150,591- 497-101-C-32	WA9VOL			WA7WXY(+K7NHV,WA8VRB)		
WSOB	132,027- 409-161-C-69	W7LR	115,227- 413- 93-C-27	WA9VOL			1,048,866-1547-226-C-54		
K5UA	130,848- 376-116-B-	Nevada		WA9VOL			N7XX(+WA1KKM)		
Mississippi		W7MRS	81,270- 430- 63-C-15	WA9VOL			1,516,086-2418-209-C-95		
WSRUB	263,169- 513-171-C-31	W7HI	16,848- 117- 48-B-13	WA9VOL			W7FR(W7PHO,WA7TLK,oprs.)	242,235- 769-105-C-38	
WSAQ	132,102- 358-123-B-48	W7TML	1,126,044-2018-186-C-76	WA9VOL					
NSXA	126,096- 284-148-C-31	K7GGY	64,479- 271- 83-B-31	WA9VOL					
New Mexico		Kansas		WA9VOL					
K5MAT	105,084- 278-126-C-21	WA9VOL		WA9VOL					
W5VIW	104,412- 308-113-B-53	Utah		WA9VOL					
Northern Texas		W7HS	199,104- 544-122-C-67	WA9VOL					
W5IUW	49,959- 183- 91-B-40	Washington		WA9VOL					
W5SOD	29,484- 156- 63-A-35	W7RM	2,015,145-2655-253-C-	WA9VOL					
Oklahoma		W7HAD	280,350- 890-105-C-34	WA9VOL					
WA5HJK	8364- 68- 41-B-40	K7DZ	609,513-1483-137-C-71	WA9VOL					
WSAS	612- 17- 12-B-17	N7DX	235,809- 591-133-C-51	WA9VOL					
Southern Texas		W7OF	117,612- 396- 95-C-24	WA9VOL					
W5B5JID	52,704- 183- 96-B-34	W7KZ	93,676- 367- 76-C-23	WA9VOL					
WB5DD5	46,368- 161- 96-C-30	K7MOK	81,468- 372- 73-C-36	WA9VOL					
K5RF	16,950- 113- 50-C-30	W7LZF	67,221- 291- 77-C-26	WA9VOL					
W5LUU	4650- 50- 31-B- 8	W7JEG	22,050- 147- 50-C-10	WA9VOL					
K5LZO	3864- 46- 28- 8-A- 9	WA7RKJ	33,825- 205- 55-B-15	WA9VOL					
K5JZY	3627- 39- 31-A- 9	W7BCS	18,060- 148- 43-B-32	WA9VOL					
6	Michigan	W7BCS	18,060- 148- 43-B-32	WA9VOL					
East Bay		W8FF	280,140- 805-116-C-51	WA9VOL					
W6PM	341,649- 561-203-C-49	W8TWA	158,000- 528-125-C-54	WA9VOL					
K6JB	32,436- 159- 68-C-20	K8LJG	126,351- 303-139-C-49	WA9VOL					
WA6BFL	8400- 80- 35-B-24	K8CVU	27,255- 115- 79-B-8	WA9VOL					
W6RQZ	3024- 56- 18-B- 6	W8WVU	20,898- 129- 54-C-35	WA9VOL					
W6EJA	2394- 57- 14-B- 6	W8WAPD	19,440- 108- 60-A- 7	WA9VOL					
Los Angeles		W8BVI	7560- 63- 40-B-15	WA9VOL					
N6AA	1,993,680-2556-260-C-92	W8BDCR	561-987-1239-259-C-90	WA9VOL					
K6AC(N6TR,opr.)	1,733,487-2231-259-C-90	N8AA	1,123,470- 1387-270-C-69	WA9VOL					
W6AM(W6BH,opr.)	647,160- 1269-170-C-40	K8RMK	985,344-1283-256-C-75	WA9VOL					
K6MP	66,528- 252- 88-C-19	W8RSW	566,955- 879-215-C-50	WA9VOL					
W6UQK	56,826- 246- 77-C-24	W8ZCQ	299,796- 602-166-C-65	WA9VOL					
W6RZ	34,500- 230- 50-A-46	W8B8V	108,585- 285-127-C-30	WA9VOL					
K6YFZ	6231- 67- 31-C-17	W8GOC	107,508- 289-124-C-35	WA9VOL					
Orange		W8YGR	84,864- 208- 36-A-21	WA9VOL					
KGOS	425,088- 864-164-C-70	K8PWF	56,256- 91- 31-B-15	WA9VOL					
K6TXA	200,124- 654-102-C-32	W8B8VN	32,436- 159- 68-C-5	WA9VOL					
WB6PYX	137,209- 808- 464- 99-C-	K8MLO	31,968- 148- 72-C-30	WA9VOL					
WA6FIT	13,764- 124- 37-A-	W8DWP	25,752- 116- 74-C- 4	WA9VOL					
WB6BVG	11,583- 99- 39-A-17	W8GS	9,324- 74- 42-C- 4	WA9VOL					
Santa Barbara		W8AII	278-324- 32- 29-C- 7	WA9VOL					
K6WI	220,440- 668-110-C-42	W8VGH	44,200- 103- 30-C-40	WA9VOL					
W7CB/6	210,795- 611-115-C-24	W8VGH	44,200- 103- 30-C-40	WA9VOL					
W6PN	154,245- 455-113-C-49	W8VGH	44,200- 103- 30-C-40	WA9VOL					
ND6DE	142,911- 711- 67-C-39	W8VGH	44,200- 103- 30-C-40	WA9VOL					
WA6GTL	34,506- 213- 54-C-30	W8VGH	44,200- 103- 30-C-40	WA9VOL					
WA6GVB	19,008- 176- 36-C-17	W8VGH	44,200- 103- 30-C-40	WA9VOL					
Santa Clara Valley		K9DX	1,169,124-1892-299-C-91	WA9VOL					
W6PA	2,025,147-2437-277-C-89	K9KWD	1,115,100-1239-300-C-40	WA9VOL					
K6RU	693,780- 942-155-C-74	K9KWD	845,200- 159-240-C-68	WA9VOL					
W6HOC	303,960- 680-149-C-41	K9KWD	666,915-1005-221-C-65	WA9VOL					
W6ATO	99,876- 406- 82-C-53	K9AB	517,725- 767-225-C-63	WA9VOL					
K6BR	78,447- 331- 79-C-19	W9RX	452,400- 725-208-C-65	WA9VOL					
Tennessee		San Diego		WA9VOL					
W4XJ	39,816- 168- 79-C-13	W9AG	25,620- 122- 70-C-10	WA9VOL					
W9REC	13,776- 82- 56-B-10	W9P	11,000- 74- 21-C- 4	WA9VOL					
W9VNE	8,127- 63- 43-C-12	W9HPG	7,656- 58- 44-B-4	WA9VOL					
W9UDK	7,011- 57- 41-C- 4	W9NU	6,882- 62- 37-C-26	WA9VOL					
W9VOL	31,395- 161- 65-C- 5	WA9VOL		WA9VOL					

		Maine	Northern Florida	Washington	W1BB/1	969-	19-	17-A-	9	
<b>2</b>	<b>Eastern New York</b>	W1HWL 159,216- 496-107-B-36	W4WHK 258,534- 542-159-C-60 WB4CTI 7584- 79- 32-C-10 W4EEO 4800- 40- 40-A-20	WA7OBL 213,624- 774- 92-C-53 WA7OM 176,664- 60- 36-C-41 WA7TJM 167,700- 70- 70-C-52 WA7JCB 160,512- 704- 76-C-36 WA7WMO 82,080- 380- 72-B-34 W7APN 56,880- 316- 60-C-11 W7BUN 29,193- 263- 37-C-14	<b>New Hampshire</b>					
	<b>W2PV(+K1ZZ,W1CW,WA1NNC, K2TTG,WA2SP,LWB2SAXY CKO OEU)</b> 4,655,016-3748-414-C-96	K1FWF 348,552- 824-141-C-56 W1HMF 91,485- 321- 95-B-4 W1GME 30,378- 166- 61-C-19 W1NH 5808- 44- 44-B- 6 WB1AHX 2418- 31- 26-A- 8	WB4NR1 53,580- 235- 76-C-48 WB4WOK 12- 2- 2-A- 1							
	<b>K2CW(multiop)</b> 1,526,382-1779-286-C-89	Rhode Island	Southern Florida	Michigan						
<b>3</b>		W1GYV 57,204- 227- 84-B-35 W1YNE 27,594- 146- 63-C-12 WA1YKW 561- 17- 11-A- 4	W4NQI 40,581- 167- 81-C-34 WD4CWL 7098- 62- 43-B-22 W4NTE 6237- 63- 34-B-19	K8ETO 473,229-1031-153-C-66 K8QVG 18,252- 117- 52-B-22 WB8DTT 12,324- 79- 52-B-9 WA8KME 10,062- 86- 39-C- 7 WA8RXI 7854- 77- 34-B- 6	Western Massachusetts					
	<b>Delaware</b>		Tennessee	Ohio	<b>Eastern New York</b>					
	<b>W3SL(multiop)</b> 24,156- 122- 66-C-18	Western Massachusetts	Virginia	K8UQA 402,705-1413- 95-C-60 K8RMM 153,300- 511- 100-A-40 WB8RIJ 106,080- 340-104-C-35 K8PQZ 101,850- 350- 97-B-40 WB8QIS 35,991- 279- 43-C-29 WB8QOM 21,114- 138- 51-C-21 WB8QV 60,936- 60- 109- 53-A-15 K8VNA 17,395- 109- 53-A-15 WB8QY 6564- 59- 32-B-30 WB8RT 1794- 26- 23-B- 7	W2HHC 154,344- 472-109-C-36 W2IB 143,016- 404-118-C-2					
	<b>Eastern Pennsylvania</b>	K1DKX 277,851- 917-101-C-60 W1AUT 11,004- 131- 28-C-18 K1KNQ 3402- 42- 27-C- 4	N4ZZ 178,176- 512-116-C-25 WA4FDR 102,144- 304-112-C-17 WB4WFT 44,280- 180- 82-B-14 WA4MKU 38,151- 157- 81-A-23	K8UQA 402,705-1413- 95-C-60 K8RMM 153,300- 511- 100-A-40 WB8RIJ 106,080- 340-104-C-35 K8PQZ 101,850- 350- 97-B-40 WB8QIS 35,991- 279- 43-C-29 WB8QOM 21,114- 138- 51-C-21 WB8QV 60,936- 60- 109- 53-A-15 K8VNA 17,395- 109- 53-A-15 WB8QY 6564- 59- 32-B-30 WB8RT 1794- 26- 23-B- 7	Northern New Jersey					
	<b>N3RS(+N3RD,W3IFG,WA3ss FFR, LRO)</b> 5,821,140-4420-439-C-96 W3GM(+K35 JLT KPV, W3s DT GID, WA3s 1400 M)	2	W4MM 711,810-1438-165-C-50 K4HLJ 344,871- 723-159-C-49 K4ZVS 125,664- 374-112-C-49 N4XD 116,358- 451- 86-C-49 WA4MSX 11,454- 83- 46-A- 6 W4ZM 4410- 42- 35-B- 2 WA4SGV 150- 10- 5-A- 1	K8UQA 402,705-1413- 95-C-60 K8RMM 153,300- 511- 100-A-40 WB8RIJ 106,080- 340-104-C-35 K8PQZ 101,850- 350- 97-B-40 WB8QIS 35,991- 279- 43-C-29 WB8QOM 21,114- 138- 51-C-21 WB8QV 60,936- 60- 109- 53-A-15 K8VNA 17,395- 109- 53-A-15 WB8QY 6564- 59- 32-B-30 WB8RT 1794- 26- 23-B- 7	WB2CST 45,225- 225- 67-C-30 WB2VFT 2415- 35- 23-B- 2					
	<b>WA3NNA(+W3GRS)</b> 1,225,008-1448-282-C-90 W3GU(+K3CY) 670,800-1040-215-C-51	W2AO 237,696- 619-128-C-36 WA2MBB 3105- 45- 23-B-5 WB2WRR 2109- 37- 19-A-10 WB2CRV 2016- 32- 21-C- 5	N.Y.C.-L.I.	9	Western New York					
	<b>Maryland - D.C.</b>				WA2MBM 33,123- 181- 61-C-35 K2VVM 25,944- 184- 47-C-11 WA2ZRI 390- 13- 10-B- 7					
	<b>W3FA(+K3NA,W3ABC,WA3s QIA TOE ZAS,WB8JW)</b> 2,812,242-2686-349-C-96 W4NL(3+W3NL,W3A3s AFQ NGS, K4s FJ WVT,W6AXX) 2,748,636-2524-363-C-96	WB2PYM 526,131-1103-159-C-45 W2BA 302,742- 726-139-A-65 W2NY(WA2YQG,opr.) 296,604- 749-132-C-41 W2AZBW 10,961- 137- 51-C-30 W2GC 73,377- 263- 93-C-19 WB2AMU 72,105- 253- 95-B-40 WB2GDZ 63,666- 262- 81-C-21 WB2JW 95,666- 373- 81-C-39 WA2PNY 29,835- 195- 51-B-18 W2KZR 4116- 49- 28-C- 5 K2VWN 12- 2- 2-B- 1	5	Illinois	3					
	<b>Western Pennsylvania</b>	W2EQQ 344,304- 797-144-C-55 W2FCE 248,356- 144-145-C-20 WB2RWY 225,566- 647-116-C-20 W2FWY 20,961- 137- 51-C-30 WB2GO 9315- 69- 45-B-14 WA2PCF 8670- 85- 34-C- 4 K2EAC 600- 20- 10-B- 3 WB2ASD 360- 12- 10-B- 1	Arkansas	W9NLR 233,160- 580-134-C-42 W9FT 89,178- 334- 89-C-30 K9UQN 65,493- 383- 57-C-22 WB9HAD 45,342- 229- 66-C-60 K9MMS 36,000- 200- 60-B-125 WB9QWM 24,000- 125- 64-B-9 W9TBN 12,402- 78- 53-A-26 WB9QGU 2673- 33- 27-B- 9	Eastern Pennsylvania					
	<b>W3TV(+W3s AOH VW)</b> 1,697,706-1899-298-C-60	K5KLA 106,260- 322-110-C-23	Louisiana	Indiana	K3NPC 9675- 75- 43-B-20					
<b>4</b>	<b>Virginia</b>	Northern New Jersey	Mississippi	W3GZQ 29,106- 154- 63-C-33						
	<b>W4BVV(+WA1JLD,K3OAE,W3ZZ, WA3AMH,K4s GKD YF,W8RL,C-, K0DDA)</b> 5,464,440-4236-430-C-96	W2EQK 344,304- 797-144-C-55 W2FCE 248,356- 144-145-C-20 WB2RWY 225,566- 647-116-C-20 W2FWY 20,961- 137- 51-C-30 WB2GO 9315- 69- 45-B-14 WA2PCF 8670- 85- 34-C- 4 K2EAC 600- 20- 10-B- 3 WB2ASD 360- 12- 10-B- 1	New Mexico	Mississippi	WB9LHI 821,100-1564-175-C-58 W9LTT 554,580-1185-156-C-54 W9JOO 131,544- 378-116-C-36 WB9CE 48,837- 223- 73-B-27 WB9FZ 15,105- 95- 53-A-36	Western Pennsylvania				
	<b>Northern Texas</b>	Southern New Jersey	W5TVX 11,040- 115- 32-B-72	Wisconsin	2					
	<b>W5MYA(+W5s BJA ZSX,WA5UCT, WB5IZN)</b> 2,092,953-1999-349-C-96	WA2BZX 99,084- 359- 92-B-46 W2ESB 39,600- 264- 50-B-21 W2FBF 39,000- 200- 65-C-11 W2BZL 28,116- 142- 66-C-20 W2HAZ 6840- 57- 40-A- 5	Southern Texas	WB9BIO 50,358- 218- 77-B- WB9TS 45,069- 181- 83-A-40 WB9NME 28,359- 137- 69-B-21	Georgia					
	<b>WA5LES(+K5s AAD KG LWL WA, W5s VAH VQ VX,WA5s OCN ZNY, N5AM)</b> 4,456,722-3742-397-C-96	WA5VUW 170,430- 437-130-C-51 WB5SSB 7881- 71- 37-C- 9 WB5PIP 1701- 27- 21-A-10	Western New York	Iowa	WB9QY 158,100- 425-124-C-27					
<b>6</b>	<b>East Bay</b>	WA2BZM 140,580- 426-110-B-41 W2ABM 71,084- 259- 50-B-34 W2FBP 42,408- 146- 76-C-48 W2CX 24,966- 146- 57-C-10 WA2ABN 11,421- 81- 47-A-32	6	Southern Texas	WA3SWF 51,000- 200- 85-C-20					
	<b>K6ZM(+K6ST1,W6UZX,WA6s DGX VEF,WB6s CEP OGT)</b> 1,957,446-2529-258-C-96 W6RGG(+K6RM) 907,410-1490-203-C-96	WA5VUW 170,430- 437-130-C-51 WB5SSB 7881- 71- 37-C- 9 WB5PIP 1701- 27- 21-A-10	East Bay	WB9QY 158,100- 425-124-C-27						
	<b>Southern Texas</b>	WA5VUW 170,430- 437-130-C-51 WB5SSB 7881- 71- 37-C- 9 WB5PIP 1701- 27- 21-A-10	Mississippi	WB9QY 158,100- 425-124-C-27						
	<b>WA6LES(+K5s AAD KG LWL WA, W5s VAH VQ VX,WA5s OCN ZNY, N5AM)</b> 4,456,722-3742-397-C-96	WA5VUW 170,430- 437-130-C-51 WB5SSB 7881- 71- 37-C- 9 WB5PIP 1701- 27- 21-A-10	New Mexico	WB9QY 158,100- 425-124-C-27						
	<b>Santa Clara Valley</b>	Maryland - D.C.	WB9QY 158,100- 425-124-C-27	WB9QY 158,100- 425-124-C-27						
	<b>W6NLZ(+WB6s LPK OOL)</b> 1,146,303-1901-201-C-96 W6YX(WB5MA,WA6ITV,WB6ZUC WA7s MMK MQX, oprs.) 928,404-1517-204-C-96	W3GRF 673,575-1283-175-C-50 W3GQ(WA3VQ,opr.) 157,600- 658- 80-C- W2SSR 15,631- 233- 99-C-27 W3ZSR 43,473- 337- 43-C-10 W3CRE(WA3VQ,opr.) 43,473- 337- 43-C-10	WB9QY 158,100- 425-124-C-27	WB9QY 158,100- 425-124-C-27						
	<b>Michigan</b>	K4KWE/3 41,382- 209- 66-C- W3ML 28,908- 95- 37-B- 6 WA3YMA 21,924- 126- 58-A-10 W3EE 12,393- 81- 51-B-23	Orange	WB9QY 158,100- 425-124-C-27						
	<b>W8ROF(+K8LJR,W8s HBK KPL SRK,WA8s LYF RYE)</b> 1,687,260-1844-305-C-96	WA3SZX 717,933-1433-167-C- K3DR 9009- 77- 39-C- 7 W3BRG 168- 8- 7-A- 4	Santa Barbara	WB9QY 158,100- 425-124-C-27						
	<b>Illinois</b>	WB9QY 158,100- 425-124-C-27	Maritime-Newfoundland	WB9QY 158,100- 425-124-C-27						
	<b>W9YYG(multiop)</b> 866,592-1224-236-C-78	Alabama	WB9QY 158,100- 425-124-C-27	WB9QY 158,100- 425-124-C-27						
	<b>Indiana</b>	WB4RAL 10,800- 72- 50-A- KAGUS 6084- 52- 39-B-10 WB4KWK 390- 13- 10-A- 1	San Joaquin Valley	WB9QY 158,100- 425-124-C-27						
	<b>W9CLL(multiop)</b> 2,165,772-2242-322-C-94	WB4BTDH 245,784- 539-152-B-41 K4KZP 191,646- 507-126-C-45 K4BAI 165,504- 431-128-C-21 W4BPP 129,042- 402-107-C-11 W4DXI 84,480- 256-110-C-37	Ontario	WB9QY 158,100- 425-124-C-27						
	<b>Connecticut</b>	WB4OPG 80,115- 245-109-A-34 WB4HNC 4752- 48- 33-C-10 WB4WRM 2775- 37- 25-B-16 WB4GXW 3- 1- 1-A- 1	Illinois	WB9QY 158,100- 425-124-C-27						
	<b>W1HFB</b> 163,305- 573- 95-C-12 K1KWW 113,475- 425- 89-C-52 WA1FCN 33,831- 179- 63-A- W1CDC 24,648- 158- 52-C-18 K1WJL 300- 10- 10-A- 4	Kentucky	WB4FOT 52,290- 210- 83-A-14 WB4KTR 52,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	Alberta	K6LLE 3519- 51- 23-C- 5					
	<b>Eastern Massachusetts</b>		WB4FOT 52,290- 210- 83-A-14 WB4KTR 52,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	San Joaquin Valley	WB6NRK/7 38,340- 213- 60-C- W7AYY 11,664- 162- 24-C- 9					
	<b>K1NOL</b> 950,274-1703-186-C-65 W1FJJ 259,968- 677-128-C-32 W4SYL/1 180,942- 569-106-C-17 WIPLJ 4872- 56- 29-B- 8 W1YS 4680- 65- 24-B- 6	North Carolina	N6EE 200,586- 662-101-C-39 W6BYH 360- 20- 6-B- 6	Washington						
	<b>Nevada</b>		WB4FOT 52,290- 210- 83-A-14 WB4KTR 52,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	Low Band	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>Eastern Massachusetts</b>		WB4FOT 52,290- 210- 83-A-14 WB4KTR 52,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	U.S.A.	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>K1NOL</b> 950,274-1703-186-C-65 W1FJJ 259,968- 677-128-C-32 W4SYL/1 180,942- 569-106-C-17 WIPLJ 4872- 56- 29-B- 8 W1YS 4680- 65- 24-B- 6	North Carolina	N6EE 200,586- 662-101-C-39 W6BYH 360- 20- 6-B- 6	Connecticut	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>Nevada</b>		WB4FOT 52,290- 210- 83-A-14 WB4KTR 52,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	Illinois	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>Eastern Massachusetts</b>		WB4FOT 52,290- 210- 83-A-14 WB4KTR 52,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	Arizona	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>K1NOL</b> 950,274-1703-186-C-65 W1FJJ 259,968- 677-128-C-32 W4SYL/1 180,942- 569-106-C-17 WIPLJ 4872- 56- 29-B- 8 W1YS 4680- 65- 24-B- 6	North Carolina	N6EE 200,586- 662-101-C-39 W6BYH 360- 20- 6-B- 6	Illinois	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>Nevada</b>		WB4FOT 52,290- 210- 83-A-14 WB4KTR 52,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	Eastern Massachusetts	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>Eastern Massachusetts</b>		WB4FOT 52,290- 210- 83-A-14 WB4KTR 52,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	Illinois	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>K1NOL</b> 950,274-1703-186-C-65 W1FJJ 259,968- 677-128-C-32 W4SYL/1 180,942- 569-106-C-17 WIPLJ 4872- 56- 29-B- 8 W1YS 4680- 65- 24-B- 6	North Carolina	N6EE 200,586- 662-101-C-39 W6BYH 360- 20- 6-B- 6	Arizona	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>Nevada</b>		WB4FOT 52,290- 210- 83-A-14 WB4KTR 52,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	Alberta	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>Eastern Massachusetts</b>		WB4FOT 52,290- 210- 83-A-14 WB4KTR 52,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	San Joaquin Valley	WB6AVO 157,680- 720- 73-C-42 WB6AVO 17,649- 159- 37-C-22 WB6AVO 6864- 88- 26-A-10					
	<b>K1NOL</b> 950,274-1703-186-C-65 W1FJJ 259,968- 677-128-C-32 W4SYL/1 180,942- 569-106-C-17 WIPLJ 4872- 56- 29-B- 8 W1YS 4680- 65- 24-B- 6	North Carolina	N6EE 200,586- 662-101-C-39 W6BYH 360- 20- 6-B- 6	Alberta	WB6AVO 157					

<b>Wisconsin</b>	K2TD W2LYL WB9MOG	99,750- 256-125-C-31 80,976- 241-112-C-10 W2PAU	79,125- 211-125-C-27 77,592- 212-122-C-20 W2FBF	59,892- 217- 92-C-25 21,624- 106- 68-C-2 K2SB W2SDB	2100- 28- 25-C- 6	WA4UBE WA4ADS W4DM K4WVT W4EZ K4ZVS	17,952- 88- 68-B-38 8,280- 60- 46-C- 6 6,786- 58- 39-C- 2 4,950- 50- 33-C- 5 4,257- 43- 33-B- 3 2,652- 34- 26-C- 9	Nevada	<b>Missouri</b>	
Iowa	W0FHE	18,054- 102- 59-C-16	Western New York	WB2LOF K2JZT	136,620- 330-138-A-30 25,545- 131- 65-C-12	Arkansas	W7JUO	28,350- 126- 75-C-31	K0GSV WQYQG WQRJP WPKO W0FF	
Minnesota	WB9ANT K8IHG	22,770- 110- 69-C-35 756- 21- 12-B-	3	W5NF	93,696- 244-128-C-53	Louisiana	K7VIC K7GGY	167,577- 673- 83-C-56 34,365- 145- 79-B-25	W7TML WA7IHN K7VIC K7GGY	
Missouri	WB8NOU WA9FBQ	44,100- 196- 75-C-37 25,530- 115- 74-C-45	Delaware	K5KLA KSUA WSOB WA5WEY	632,610- 781-270-C-62 66,054- 218-101-C-1 26,352- 122- 72-C-18 6150- 50- 41-C-1	Utah	W7HS WA7HCQ	143,640- 360-133-C-55 43,890- 249- 70-C-27	W7TML WA7IHN K7VIC K7GGY	
Phone	W0FNOU WA9FBQ	13,680- 80- 57-B-18	Eastern Pennsylvania	New Mexico	K7DZ W7MAD K7MOK W7BRU W7WMY	1,250,571-1921-217-C-72 736,485-1327-185-C-72 252,920- 781-182-C-40 100,005- 555- 97-C-24 102,018- 347- 98-C-41	Nevada	<b>Missouri</b>		
Canada	W3JSX W3GSD W3GMR	1,857,240-1848-335-C-75 46,904- 766-248-C-69 46,904- 766-248-C-69	Alberta	W3KHB W3KFQ K3WOK K3MFB K3KAC W3A3MH W3GRS K3AWZ W3ALB	285,354- 498-191-C-70 277,368- 508-182-C-36 234,741- 463-169-C-60 223,200- 775- 96-C-23 23,675- 385-185-C-1 18,628- 385-322-C-56 18,628- 385-185-C-56 129,210- 295-146-C-20 87,630- 230-127-C-21 82,836- 236-117-C-22	Northern Texas	K5EVK K5VTA W5VOQ	161,352- 332-162-C-40 362,355- 493-245-B-66 72,468- 198-122-C-27	Nebraska	<b>North Dakota</b>
U.S.A.	VE6AYX	405- 15- 9-B-12	U.S.A.	W3WD	13,680- 80- 57-B-18	Washington	W7HS WA7HCQ	143,640- 360-133-C-55 43,890- 249- 70-C-27	W7TML WA7IHN K7VIC K7GGY	
Single-Op	1	1,691,352-1668-338-C-71	Connecticut	W3BGN W3JSX W3GSD W3GMR	54,100- 188- 96-C-96 30,996- 82-146-C-6 15,660- 80- 58-C-96 1800- 30- 20-C-3	New Mexico	K7DZ W7MAD K7MOK W7BRU W7WMY	736,485-1327-185-C-72 252,920- 781-182-C-40 100,005- 555- 97-C-24 102,018- 347- 98-C-41	W7TML WA7IHN K7VIC K7GGY	
WA1STN(WA1JLD opr.)	W1HFB	506,100- 700-241-C-29	Maryland - D.C.	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133- 329-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Oklahoma	Wyoming	W7TML WA7IHN K7VIC K7GGY	<b>South Dakota</b>	
WA1YGB	W1YGB	892,920-1063-280-C	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Texas	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1SAH	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133- 329-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Texas	Southern Texas	W7TML WA7IHN K7VIC K7GGY	<b>Wyoming</b>	
WA1WBR	W1WBR	295,182- 529-186-C-50	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1WCR	11,890- 300-114-C-20	K3ZO	W3GRF(WA3VOPR,opr.)	1,423,896-1502-316-C-75	Oklahoma	Wyoming	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	<b>Ontario</b>	
K1THQ	W1VVA	62,790- 182-115-C-20	K3ZO	W3GRF(WA3VOPR,opr.)	1,423,896-1502-316-C-75	Texas	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WIA	W1WIA	51,130- 171-100-C-9	K3ZO	W3GRF(WA3VOPR,opr.)	1,423,896-1502-316-C-75	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
WA1WMB	W1WMB	41,184- 143- 96-C- 9	K3ZO	W3GRF(WA3VOPR,opr.)	1,423,896-1502-316-C-75	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
Eastern Massachusetts	W1YNN	1,260,765-1415-297-C-70	W3GZQ	W3GRF(WA3VOPR,opr.)	388,512- 608-213-C-80	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
WA1UYU(WA2QZ,opr.)	W1HFB	304,920- 605-168-C-43	W3GZQ	W3GRF(WA3VOPR,opr.)	330,096- 529-208-C-52	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W1MRR	W1MRR	295,182- 529-186-C-50	W3HVM	W3GRF(WA3VOPR,opr.)	34,996- 200- 98-C-16	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
WA1RBR(WB2AF opr.)	W1HAF	7,728- 182-117-C-35	W3KWB(W3NA,opr.)	W3KWB(W3NA,opr.)	31,242- 127- 82-C-11	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W1WMB	W1WMB	161,109- 351-153-C-39	W3KWB(W3NA,opr.)	W3KWB(W3NA,opr.)	31,242- 127- 82-C-11	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W1YZZL	W1YZZL	88,572- 242-122-C-35	W3KWB(W3NA,opr.)	W3KWB(W3NA,opr.)	31,242- 127- 82-C-11	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W1YDWH	W1YDWH	77,490- 246-105-C-47	W3KWB(W3NA,opr.)	W3KWB(W3NA,opr.)	31,242- 127- 82-C-11	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W1FJJ	W1FJJ	70,305- 215-109-C-9	K4TIG	W3GRF(WA3VOPR,opr.)	589,500- 750-262-C-66	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W1IUU	W1IUU	34,020- 135- 84-C-4	K4TO	W3GRF(WA3VOPR,opr.)	69,216- 206-112-C-24	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
WICRL	WICRL	2,918- 36- 27-A- 6	K4FH0	W3GRF(WA3VOPR,opr.)	13,272- 79- 56-B-21	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
Maine	1	1,691,352-1668-338-C-71	Alabama	K4TIG K4TO K4FH0	589,500- 750-262-C-66 69,216- 206-112-C-24 13,272- 79- 56-B-21	Ohio	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
K1RQE	K1RQE	589,788- 762-258-C-36	Georgia	N4PN	1,259,664-1288-326-C-76	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
K1WSD	K1WSD	161,100- 351-151-C-5	W4UWC	W4UWC(W3C,opr.)	9500- 66- 50-A-28	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W1VMB	W1VMB	141,570- 390-121-B-	W4UWC	W4UWC(W3C,opr.)	9500- 66- 50-A-28	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W1VHF	W1VHF	101,682- 269-126-A-34	W4UWC	W4UWC(W3C,opr.)	9500- 66- 50-A-28	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
K2LE/L	K2LE/L	1,461,042-1551-314-C-70	North Carolina	N4AA	388,851- 571-227-C-37	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
K1IIK	K1IIK	610,080- 820-248-C-67	W4UWC	W4UWC(W3C,opr.)	388,851- 571-227-C-37	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
Western Massachusetts	WA1ABW	2,093,904-2096-333-C-71	N4AA	W4GRF	1,423,896-1502-316-C-75	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
WA1FBX	WA1FBX	125,202- 271-154-C-43	W4GRF	W4GRF	1,423,896-1502-316-C-75	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
2	Eastern New York	W4WQK	163,533- 361-151-C-42	W4CTI	21,528- 138- 52-B-10	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
WA2AUB	WA2AUB	196,875- 375-175-C-43	W4WQK	W4WQK	1,212,330-1610-251-C-65	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W2AZO	W2AZO	150,396- 332-151-C-19	W4WQK	W4WQK	1,212,330-1610-251-C-65	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
K2SD	K2SD	81,096- 218-124-C-14	W4WQK	W4WQK	1,212,330-1610-251-C-65	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W2NPK	W2NPK	48,594- 184-124-C-14	W4WQK	W4WQK	1,212,330-1610-251-C-65	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
W2PFG	W2PFG	37,194- 139- 94-C-11	W4WQK	W4WQK	1,212,330-1610-251-C-65	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
WA2LJM	WA2LJM	27,324- 132- 69-C-28	W4WQK	W4WQK	1,212,330-1610-251-C-65	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
N.Y.C. - L.I.	WA2EJJ	459,837- 811-189-C-38	K4CL	K4CL	373,980- 542-230-C-62	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175- 98-C-21 7866- 57- 46-C- 6	W7TML WA7IHN K7VIC K7GGY	
WA2EJK	WA2EJK	172,272- 388-148-C-13	K4VXU	K4VXU	377,676- 538-234-C-45	Michigan	W8F8P K8CVV W8QGP WA8KME	471,585- 745-211-C-50 56,502- 219- 86-C-37 51,450- 175-		

3	W6RR(+W6BHY) 1,521,300-1844-275-C-70 K6SE(+WA2THV,W7KU) 788,499-1109-237-C-63 W3NX(+W3s DRD HB) 505,344- 658-256-C-82	Alberta Santa Clara Valley Eastern Pennsylvania W3US(+N3II,WA3TZT,K8ETO) 1,426,572-1428-333-C-89 WA3YHT(multiop) 1,401,40-1645-284-C-48 W3DHM(multiop) 861,540- 830-346-C-76 W3YVF(multiop) 159,390- 330-161-C-30 W3KT(+net) 140,895- 303-155-C-96 WA3NAF(+WA3SXU) 136,320- 284-160-B-18	W6MG(+WA6PGB,2Mtr Net) 1,762,236-1998-294-C-96 N6GG(+KGQX) 1,505,840-1240-222-C-90 WA6CR1(+WA6HCI,WB6PY1) 669,636-1068-209-C-85 K6MA(+ 2Mtr Net) 180,180- 420-143-C-31 K6OP(multiop) 48,000- 250- 64-C-29 W6CF(+ 2 mtr net) 39,846- 229- 58-C-96 W6ZYC(multiop) 34,476- 169- 68-C-26 K6CN(multiop) 15,072- 157- 32-C- 9	Northwest Territories 8 Alberta Northwest Territories 9 Illinois Multi-Multi U.S.A. 1 New Hampshire U.S.A. 1 Maryland - D.C. San Francisco 2 San Joaquin Valley K6AYA(+K6TE,WA6OEC,WB6UJD) 554,151-1093-169-C-60 K6AO(multiop) 446,880- 784-190-C-56 K6YK(multiop) 43,260- 206- 70-C-13 K3HZL(+W3GXF,WA3FYJ) 762,912- 883-288-C-74	W7AEK/VE6(+VE6BET,VE8RO) 112,575- 475- 79-C-55 W7NGO(+W8KR,W8ONA) 236,844- 459-172-C-54 W3JO WA3BRW WB3B W3IGQ K3MGQ K3DPQ W3ZSR W3EWL WB3DET W3PWO W3GZP N3JPT WA3ZJT W3EJJ WA3RSK WA3YMA WA3UH N3I W3RDX W3CM W3ML W3IO 61,983- 129- 97-C-34 WB3B W3IGQ 48,060- 267- 72- 39-C-12 K3DPQ 3069- 33- 31-C- 3 Maryland - D.C. High Band U.S.A. 1 Connecticut Western Pennsylvania WA1OBY(WA1QGC,ops.) 317,774- 298-160-C-62 W1GSH 292,422- 298-163-C-57 W1BMY 73,280- 380-152-C-38 WA1NRG 122,838- 347-118-C-35 K1YXG 90,576- 296-102-B-43 W1DO 30,000- 100-100-C-22 W1OR 18,513- 121- 51-C-30 W1PCY 6,165- 105- 20-C-10 W1KWP 5,870- 43- 30-B-6 K1WVX 5,772- 18- 18-C-10 WA1NGL 828- 23- 12-C- 3 2 Eastern New York K2CW(multiop) 1,438,863-1513- 317-C-84 2 Western New Jersey K2CW(multiop) 1,438,863-1513- 317-C-84 2 Northern New Jersey K1OBY(WA1QGC,ops.) 317,774- 298-160-C-62 W1GSH 292,422- 298-163-C-57 W1BMY 73,280- 380-152-C-38 WA1NRG 122,838- 347-118-C-35 K1YXG 90,576- 296-102-B-43 W1DO 30,000- 100-100-C-22 W1OR 18,513- 121- 51-C-30 W1PCY 6,165- 105- 20-C-10 W1KWP 5,870- 43- 30-B-6 K1WVX 5,772- 18- 18-C-10 WA1NGL 828- 23- 12-C- 3 4 Connecticut Western Pennsylvania WA3S2X 90,909- 273-111-C-15 W3PIX 36,450- 162- 75-B-25 WA3UXP 30,015- 145- 69-C-30 K3KO 12,720- 80- 53-A- 9 W3KQD 3120- 40- 26-B- 7 K3DR 2484- 36- 23-C- 3 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1464-210-C- 2 Rhode Island W4FOT 100,080- 278-120-A-23 W4JHE 510- 17- 10-C- 1 2 Alabama K4MG 113,652- 287-132-C-29 K4ZGB 5,384- 56- 38-A- 5 W4RAL 5,544- 56- 33-A-96 2 Georgia K4KZP 172,368- 399-144-C-45 WB4HNC 115,800- 308-125-C-41 WB4OPG 99,072- 258-128-A-44 WB4TOP 78,588- 236-111-C-36 Maine W4BBP 61,920- 215- 96-C-11 K4HAV 52,632- 182-102-C-19 W1HWL 205,920- 528-130-B-36 2 New Hampshire K1CSJ 922,320-1464-210-C- 2 Kentucky K1CSJ 922,320-1





SM6JY	825-	25-	11-B-	Low Band	UG2GCN	10,044-	124-	27-B-	OX3OA	1,044,522-2001-174-B-68	Ecuador	
<b>Multi-Single</b>				UA3EAL	3600-	60-	20-A-	UG2PP	5037-	73-	23-A-	
SK6JA(multiop)	1,216,212-2357-172-B-			Kaliningradsk				High Band	273,429-	741-123-A-	HC2SL 1,505,916-2127-236-C-34	
SK7CE(multiop)	697,125-1625-143-B-			UA2EC	131,208-	497-	88-B-	UQ2GEC	135-	9-	5-A- 1	
<b>High Band</b>				High Band				OX5AB	4872-	58-	28-A-11	
SM3G5K	341,352-	862-132-B-		UA2DP	72,930-	442-	55-B-	UK2RAX	10,488-	92-	38-A-	
SM3EV	316,404-1122-	94-B-		UA2DC	7455-	71-	35-A-	High Band				
SM9WL(SM4G1C,opr.)	156,510-	705- 74-B-12						PJ8CO(K1CO,WB2s DRW OEU WOI, oprs.)*	241,056-1116-	72-B-	LU8DQ(+LU8DLK) 3,154,932-4092-257-C-77	
SM5XX	74,820-	430- 58-B-18						UR2RCU	24,108-	164-	49-A-	
SM2ACM	57,120-	230- 70-B-30						UR2AW	12,870-	130-	33-A-	
SM6KFK	58,800-	280- 70-B-		UB5WCW	40,572-	276-	49-A-	UR2RGM			Guatemala	
SM5AKT	43,326-	249- 58-B-		UB5LAW	26,871-	169-	53-A-				LU5DVO 332,640- 880-126-B-18	
SL5BO	33,120-	230- 48-B-		UB5HQ	6787-	101-	29-B-	Romania	VE2AQS/TG9	17,640-	140- 42-B- 3	
SM7AED	16,320-	136- 40-B-		UB5AAL	3078-	54-	19-A-	YO9YE	52,650-	270-	65-A-	
SM5CAH	15,540-	140- 37-B-						YO3CR	30,912-	184-	56-A-	
SM5RC	11,904-	128- 31-B-									Antigua	
SM2AMP	11,526-	118- 33-B-									Multi-Single	
SK2IV(SM2CDF,opr.)	11,526-	113- 34-A-									Netherlands Antilles	
SM0GMZ	10,890-	110- 33-A-		UK5QBE(multiop)	123,354-	534-	77-B-	W6QL/VP2A(+W6KG)*			PJ2VD 4,708,935-5285-297-C-69	
SM3BP	8892-	114- 26-A-		UK5KAA(multiop)	12,090-	130-	31-A-	PJ9JT(W1BIH,opr.)*			PJ9JT(W1BIH,opr.)*	
SM6DGR	6912-	96- 24-A- 9		UK5KZC	76,212-	348-	73-B-	2,194,686-2938-249-B-33				
SM2CZC	6216-	56- 37-A-		UK5UBB(multiop)	5,070-	65-	26-A-				St. Kitts	
SM7TVY	5859-	63- 31-B-		UK5HAB(multiop)	2,846-	49-	18-A-	VP2KN(K9OTB,opr.)*			Brazil	
SM5FXF	5577-	47- 34-A-		UK5HAB(multiop)	36,942-	262-	47-B-	13,407-	109-	41-A- 4	PY1NEW	
SM4AWG	2592-	48- 18-B-		UK5UAC(multiop)	20,511-	159-	43-B-	YO3BEJ	25,935-	247-	35-A-	PY1BOA 1,122,957-1791-209-B-54
SM7VY	2223-	39- 19-B-						YO3CR			PY5AHR 834,861-1457-191-A	
SM0IX	741-	19- 13-B-									PT2JB 119,616- 448- 89-B-53	
SM7TV	168-	8- 7-B- 2									2220- 37- 20-B- 2	
<b>Low Band</b>				<b>High Band</b>								
SM5AYY	94,500-	420- 75-B-		YU500	156,468-	767-	68-B-	VP2LBH(K2IGW,opr.)*				
SM5CLE	1632-	34- 16-A- 4		UB5MOP	51,303-	349-	49-A-	161,400-	538-	100-A- 8		
Poland				UB5WCJ	51,300-	380-	45-A-				High Band	
				UB5WAT	47,454-	380-	52-B-	PY7DDA 5130-	57-	30-B-	PY7DDA 5130-	
				UB5TE	25,856-	60-	53-A-	PY1ZCF(K5MA,opr.)*	5124-	61-	PY1ZCF(K5MA,opr.)*	
SP8ECV	923,175-1865-165-B-			UB5LCN	14,652-	148-	13-A-	2,130-	28-C- 2			
SP7CTY	113,130-191- 80-B-40			UB5LBI	9,639-	119-	27-A-	K4LC/PY8 1305-	29-	15-B- 1		
SP2ADW	1890-	102- 30-A-12		UB5LNL	8670-	85-	34-A-				Low Band	
SP5AFL	7521-	109- 23-B-16		UB5EA	8112-	104-	26-B-	VP2MAQ(W6s KG QL,opr.)*	1,978,914-2597-254-C-44			
SP5BSKA	6660-	74- 30-A-		UB5HPX	4617-	57-	27-B-				British Virgin Islands	
SP8FNA	4761-	69- 23-B-		UB5UBX	2,079-	43-	20-B-	YU1ELM(multiop)	942,-786-2054-153-C-		PY6AVY 16,485- 157- 35-B-	
				UB5UBR	2,220-	39-	18-A-	YU1GMMN(multiop)	506,490-1207-140-C-96			
<b>Multi-Single</b>				UB5LCV	1,782-	39-	18-A-	VP2VL 1,161,216-1728-224-B-30				
SP9KRT(multiop)	262,257-	817-107-B-		UB5LBB	1680-	80-	7-B-	YU5FAM(YU5s CA XAF XRP,opr.)				
SP7KTE(multiop)	98,880-	412- 80-A-		UB5TAG	1404-	36-	13-A-	114,798- 361-105-C-39				
SP9PDF(multiop)	33,300-	222- 50-A-			25,200-	240-	35-B-	YU4ELJ(multiop)				
<b>High Band</b>					13,824-	128-	36-B-10.	YU4CBC(multiop)	54,180- 420-	43-B-		
SP6BPY	27,636-	188- 49-A-						W1HUY/VP9*	1,131,840-2096-180-B-40			
SP4GHT	9180-	102- 30-B-11		White R.S.S.R.							Venezuela	
SP5SIP	6732-	66- 34-A-		YU1BCD(YU1s NQW NZV PCF QBC,opr.)				VP9HY 449,934-1271-118-B-60				
SP3CB	6628-	62- 28-A-		UC2OAF	5040-	60-	28-B-	1,695,525-3055-185-C-70				
SP2GG	5424-	62- 19-B-		YU1DEJ(multiop)	187,800-	626-	100-A-					
SP91HP	3135-	55- 19-A-						XE2MX(K6NA,opr.)	4,346,-712-4962-292-B-78			
SP6ATG	1785-	35- 17-A-		UK2ABC(multiop)	289,614-1027-	94-B-		YV5UCV(multiop)	704,520-1236-190-B-61			
SP2GY	990-	30- 11-A-		UK2WAF(multiop)	195,300-	868-	75-B-					
<b>Low Band</b>				UK2OAI(multiop)	56,916-	279-	68-A-	YU1NGO 69,192-	372-	62-B-	Oceania	
SP8MJ	9984-	128- 26-B-		UK2AA(Bmultiop)	41,028-	263-	52-B-	YU1SF 11,172-	98-	38-A-	Mexico	
SP2JEM	48-	4- 4-A-		UK2AAP(multiop)	5928-	76-	26-B-	YU2CTF(YU2RUX,opr.)	76,734-	406-	63-A-	New Caledonia
SP7IFM	27-	3- 3-A-						FK8AH 137,865-	455-101-A-		Low Band	
Greece				UC2LAS	17,745-	169-	35-A-				YV1OB 409,575-1075-127-C-33	
<b>Low Band</b>								FK8CL 124,278-	538-	77-A-14	DX	
SV9WTT	15,327-	131- 39-C-17		UC2ABT	31,500-	210-	50-B-	Guam			Phone	
European Russian S.F.S.R.				UC2OBA	7,896-	94-	28-A- 7	KG6JAR 78,012-	394-	66-C-	Africa	
UK3ACR	201,960-	680- 99-B-						KG6JIH 62,976-	328-	64-C-	EL2T 2,357,652-3707-212-C-56	
UA6LWI	74,688-	389- 64-A-		Moldavia								
UA6APP	26,325-	195- 45-B-		WA8TOB/C6A*	95,175-	423-	75-A-12					
<b>Multi-Single</b>				UO5AP	16,764-	127-	44-B-	High Band				
UK6LAZ(multiop)	426,426-1001-142-B-							Hawaii			South Africa	
UK3AAC(multiop)	234,488-	892- 88-B-		WB6UAG/FM9*	132,525-	465-	95-A-					
UK1ZAO(multiop)	88,392-	508- 58-A-		UO5GR	2112-	32-	22-B- 4	KH6IJ 3,481,890-4190-277-C-77				
UK4HBB(multiop)	88,080-	367- 80-B-		UP2CY	599,040-1536-130-B-	7326-	74-	33-B-	ZS6DN 2,097,144-3192-219-B-85			
UK3DAU(CKU DKF,opr.)	55,950-	373- 50-A-		UP2BBF				KH6HKM 2,803,356-3636-257-C-73				
UK4LAC(multiop)	5,184-	339- 52-B-		HI8MOG	598,455-1209-165-A-30			KH6BCX 14,883-	121-	41-A-12		
UK3DCF(multiop)	23,760-	176- 45-A-						High Band				
UK4PA(A multiop)	9000-	100- 30-B-		HI8LPC	18,815-	128-	49-B- 9	ZS6WW 747,348-2009-124-A-29				
UK3XAM(multiop)	3036-	46- 22-A-		HI8EVA	12,192-	127-	32-B- 4	ZS4BU 183,264- 664- 92-B-21				
UK1ADK(multiop)	940-	20- 9-B-						Low Band				
<b>High Band</b>				Alaska				KH6JBU 300,300-1001-100-C-25				
UA3GM	82,458-	509- 54-B-		KL7GN	652,320-1510-144-A-42			KH6JFJ 121,923-	437-	93-B-12		
UW1CX	72,063-	471- 51-B-		High Band				KH6JFI 4,293-	53-	27-B- 6		
UW1YY	70,080-	320- 73-B-		UP2BV	28,431-	243-	39-A-	ZS6DW 137,256-	532-	86-B-16		
UA3NB	49,542-	359- 46-B-		UP2BV	13,206-	142-	31-B-					
UA3DFK	47,866-	347- 46-B-		UP2BAE	10,080-	112-	30-B-	Midway Islands				
UA6LWG	38,016-	288- 44-B-			6,826-	106-	26-A-	KM6EB 33,345-	195-	57-A-17		
UA3SH	39,856-	289- 46-B-						High Band				
UA4PAJ	28,158-	247- 38-B-		Puerto Rico				KM6JH 300,300-1001-100-C-25				
UA3EZ	27,214-	151- 38-B-		UQ2GEY	48,672-	312-	52-A-	KH6JFJ 121,923-	437-	93-B-12		
UV3DN	17,214-	151- 38-B-						KH6JFI 4,293-	53-	27-B- 6		
UA4HDV	14,892-	146- 34-A-						High Band				
UA3GO	14,880-	155- 32-B-		UK2GKW(multiop)	5,272,383-5651-311-C-75			KH6JFJ 4,293-	53-	27-B- 6		
UA3PZ	12,173-	128- 33-B-		UK2GAC(multiop)	945,063-2143-147-B-			ZL3BK 636,552-1263-168-A-40				
UA4PWD	10,233-	100- 27-A-		UK2GAX(multiop)	299,052- 923-108-B-			ZL1AFW 445,662- 917-162-A-45				
UA4OQK	8,748-	108- 27-A-		UK2GAB(multiop)	2,070- 988-100-B-			ZL1AIZ 146,124-	396-123-A-19			
UA4NDK	5,589-	69- 27-A-			63,268-	293-	72-B-	High Band				
UA3AHF	5,175-	69- 25-A-						KP4EAJ 5,272,383-5651-311-C-75				
UV3HD	4,002-	58- 23-B-						KP4EKI 4,648,644-5031-308-C-78				
UA3MCJ	3,686-	46- 26-B-						KP4EAK 5,272,383-5651-311-C-75				
UA3PH	3,686-	46- 26-B-						KP4EAK 5,272,383-5651-311-C-75				
UA3MBD	2,838-	43- 22-B-						KP4EAK 5,272,383-5651-311-C-75				
UA3IBC	2,805-	45- 17-A-						KP4EAK 5,272,383-5651-311-C-75				
UA3TR	2,484-	48- 18-A-						KP4EAK 5,272,383-5651-311-C-75				
UA4CK	2,079-	33- 21-A-						KP4EAK 5,272,383-5651-311-C-75				
UA3ADO	1,726-	22- 11-A-						KP4EAK 5,272,383-5651-311-C-75				
UA3RAJ	1,726-	5- 5-A-						KP4EAK 5,272,383-5651-311-C-75				
UA3TA	60-	5- 4-B-						KP4EAK 5,272,383-5651-311-C-75				
				Multi-Single				New Zealand				
				Multi-Single				Asia				
				Multi-Single								
				Multi-Single								
				Multi-Single				</td				

Japan	Georgia	F6CLM F9JO F8BO F6API F6DLM	28,620- 180- 53-A-24 16,614- 142- 39-A- 6 5544- 88- 21-A- 7 2451- 43- 19-A- 5 429- 13- 11-A- 2	Multi-Single LAIK(Las 2KM 380 3HP 4CQ 5KO 6ES GMP 72 YN,ops.) 629,580-1499-140-B-	OZ1XV OZ3BX	741- 360- 19- 13-A- 15- 8-A-	
JA8SW 82,212- 442- 62-A-60 JF1HOH 57,081- 359- 53-B- JH1EYS 39,903- 283- 47-B- JA6CNL 28,665- 195- 49-B- JA1WL 25,830- 210- 41-C- JA1ALX 25,518- 188- 57-B-10 JA8FMB 19,747- 127- 38-B- KA6DX 18,837- 161- 39-C-14 JA1ALX 15,840- 132- 40-B-10 JH1BRB 13,452- 118- 38-B- JA4ZU 5187- 91- 19-C-10 JA8OBD 1950- 50- 13-A- JA9YXW 1638- 40- 14-A- 6 JA8YXW 1638- 42- 10-A- JR3MTJ 720- 24- 10-A- JH1OEL 528- 22- 8-A- 6 JH0BQX 294- 14- 7-A-  Multi-Single	High Band UF6CX 6825- 91- 25-A-  Kazakh	G5CP 11,160- 155- 24-B- 7 5175- 75- 23-B-  England	LA6HL 698,031-2267-103-B-35 LA2DR 77,625- 345- 75-C-12 LA2IJ 59,160- 290- 68-B- LA1NG 27,714- 149- 62-B- LA5JS 6960- 80- 29-B- LA1SR(LA8LT,opr.) 5175- 75- 23-B-  Multi-Single	PA0SMS PA0YN	4536- 63- 24-A- 3978- 51- 26-B-		
JA3YKC(JA2VUP,JA3ODC, oprs.) 250,110- 794-105-C-70 JA3ZBI(JA3s FGJ GFO HBF KGF KIE LXW MTV OLO RWJ,ops.) 79,200- 352- 75-B- JA1YFL(JA1QJL,JA1TSJ,JA2KKW, oprs.) 22,263- 181- 41-C- JA293, 12,393- 153- 27-B-11 JA2ZH(X(JA25 AO DHL EMP, JH2HUQ,JR2AAZ,ops.) 3150- 70- 15- B- 7  Multi-Multi	Israel	WA9BVB/4X +36,630- 222- 55-A-34	G4ANT(G3s JOC LD1 MPN VZT XLL,ops.) 1,771,026-3298-179-A-65 G5YC(multiop) 7,410-2410-167-C-91 G3OUR(AIG3YGF,G4s AM1 BUO BYB CNV EW1, G8s HDR JPL JUD LYB LTE,ops.) 587,190-1702-115-B-33 G3KMI(multiop) 22,608- 157- 48-B-19	LZ1KAA(multiop) 54,033- 217- 83-C-	P1JARS PA0EHF PA9AWG PA0ATY PA0KFT PA0CLN PA0TAD	84,024- 389- 72-B-19 83,160- 385- 72-C-10 54,768- 326- 56-B- 46,260- 257- 60-A-13 21,200- 202- 35-B-18 1404- 96- 13-B- 360- 12- 10-B- 2	
JA3YKC(JA2VUP,JA3ODC, oprs.) 250,110- 794-105-C-70 JA3ZBI(JA3s FGJ GFO HBF KGF KIE LXW MTV OLO RWJ,ops.) 79,200- 352- 75-B- JA1YFL(JA1QJL,JA1TSJ,JA2KKW, oprs.) 22,263- 181- 41-C-  High Band	Europe	CT4AT 3,870,792-5812-222-C-80 CT1FL 404,352- 864-156-C- CT1UO 9936- 92- 36-B-14	G3TZH 942,390-2830-111-B-43 G3SSO(G4BEZ,opr.) 1,465-105-C-21 G3TTJ 187,137- 717- 87-B-30 G3NT 52,290- 249- 70-B- G3IRM/m 3828- 58- 22-A-	High Band	P1JARS PA0EHF PA9AWG PA0ATY PA0KFT PA0CLN PA0TAD	84,024- 389- 72-B-19 83,160- 385- 72-C-10 54,768- 326- 56-B- 46,260- 257- 60-A-13 21,200- 202- 35-B-18 1404- 96- 13-B- 360- 12- 10-B- 2	
JA7YAA(JA7s JQG KPK LMU LUR NRQ TNO,ops.) 223,686- 731-102-C-43 JA1YPQ( 223,686- 731-102-C-43 JA1YFL(JA1QJL,JA1TSJ,JA2KKW, oprs.) 118,341- 487- 81-B-65 JA1YFL(JA1QJL,JA1TSJ,JA2KKW, oprs.) 22,263- 181- 41-C-  High Band	Fed. Republic of Germany	DK3BZJ 798,884-1958-136-B- DK5AD 242,057- 627-129-C- DL8CM(DK9ID,opr.) 171,801- 707- 81-B- DK8AX 16,632- 126- 44-B-	G3TJW 253,062- 827-102-B-37 G4AMT 151,452- 601- 84-B-18	Multi-Single	SM5AQD	71,190- 339- 70-B-	
JA7GAX 208,440- 772- 90-C-17 JA1ACQ 159,933- 599- 89-C- JA3USA 139,500- 620- 75-C-14 JA1HVS 89,700- 460- 65-C-20 JA7DAH 82,824- 406- 68-B-14 JA7BJS 67,083- 379- 59-B-24 JA1FNA 65,016- 349- 63-C-33 JA2AYH 50,162- 350- 57-C-7 JA7PL 50,220- 279- 60-B-24 JA1QZY 48,165- 247- 65-C- JA4TNV/1 38,475- 225- 57-A-14 JA11RQ 25,284- 196- 43-B-11 JA95V 22,572- 198- 38-B- JA6JRI 18,120- 154- 40-B-17 JA1JTO 14,352- 184- 26-B-15 JF1XRB 14,058- 142- 33-B- JA1MTR 13,137- 151- 29-C- 6 JA6WW 11,160- 151- 29-C- 6 JA7BAL 11,160- 124- 30-B- JF1PL 11,016- 102- 36-B-16 JA4CKS 10,200- 90- 20-B- JA4UQV 6030- 67- 30-A- 6 JR3CVO 5130- 114- 15-A- JR3CQC 4641- 91- 17-A- JG1UNE 4554- 69- 22-B- 7 JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JA3ARL 1320- 44- 10-B- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- 7 JA1JWL 5816- 28- 8-A- JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1  Low Band	DK7PT(U(DC7QD,DKs 1PD 2VQ 6Q1,DL7s UG XB,ops.) DK9CW(+DPE,DK9ID,opr.) 50,930-1255-162-C- DA2AS(DA1s DJ GS GW UD, oprs.) 52,416- 273- 64-B-37 DK8AX 16,632- 126- 44-B-	G13KDR 262,650-1030- 85-A- G15BV 93,024- 456- 68-B-34	High Band	OE6XUG(OE6s EDG EEG HZG MBG,ops.) 317,745- 921-115-C-35	Sweden	SM6KFM 263,907-1239- 71-B-30 SM5CAK 158,510- 546- 95-B- SM6ADW 66,328- 352- 63-B- SM7DMN 43,200- 288- 50-C- SM6BXV 40,170- 206- 65-B- SM5BRW 25,725- 175- 49-B- SM5BMD 17,955- 133- 49-B- 3 SM7FYM 10,323- 93- 37-B- SM0BDS 10,260- 90- 38-A- SK2IV(SM2CDF,opr.)	9309- 107- 29-A- 8892- 78- 38-B- SM5DTY 65,500- 530- 95-B- SM7TV 320- 49- 24-B- SM1CJV 2907- 51- 19-B- SM6CSB 2706- 41- 22-B- SM5EKC 1260- 30- 14-B- SM3AGO 1071- 21- 17-B- SM0CGD 450- 15- 10-A- SM0DJZ 312- 13- 8-B- SM7GGK 297- 11- 9-B-
JA7GAX 208,440- 772- 90-C-17 JA1ACQ 159,933- 599- 89-C- JA3USA 139,500- 620- 75-C-14 JA1HVS 89,700- 460- 65-C-20 JA7DAH 82,824- 406- 68-B-14 JA7BJS 67,083- 379- 59-B-24 JA1FNA 65,016- 349- 63-C-33 JA2AYH 50,162- 350- 57-C-7 JA7PL 50,220- 279- 60-B-24 JA1QZY 48,165- 247- 65-C- JA4TNV/1 38,475- 225- 57-A-14 JA11RQ 25,284- 196- 43-B-11 JA95V 22,572- 198- 38-B- JA6JRI 18,120- 154- 40-B-17 JA1JTO 14,352- 184- 26-B-15 JF1XRB 14,058- 142- 33-B- JA1MTR 13,137- 151- 29-C- 6 JA6WW 11,160- 151- 29-C- 6 JA7BAL 11,160- 124- 30-B- JF1PL 11,016- 102- 36-B-16 JA4CKS 10,200- 90- 20-B- JA4UQV 6030- 67- 30-A- 6 JR3CVO 5130- 114- 15-A- JR3CQC 4641- 91- 17-A- JG1UNE 4554- 69- 22-B- 7 JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- JA1JWL 5816- 28- 8-A- JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1  Low Band	DK9SU(DK8FZ,opr.) DK8AX 373,302-1338- 93-C- DA1AY 258,546-1051- 82-B-25 DK9FW 82,485- 423- 65-C-5 DF9QO 18,156- 178- 34-C-19 DL8PC 15,252- 164- 31-B-15	G13KDR 262,650-1030- 85-A- G15BV 93,024- 456- 68-B-34	High Band	Finland	SM6GTF 9309- 107- 29-A- SM5DTY 8892- 78- 38-B- SM7TV 65,500- 530- 95-B- SM1CJV 320- 49- 24-B- SM6CSB 2706- 41- 22-B- SM5EKC 1260- 30- 14-B- SM3AGO 1071- 21- 17-B- SM0CGD 450- 15- 10-A- SM0DJZ 312- 13- 8-B- SM7GGK 297- 11- 9-B-	9309- 107- 29-A- 8892- 78- 38-B- SM5DTY 65,500- 530- 95-B- SM7TV 320- 49- 24-B- SM1CJV 2907- 51- 19-B- SM6CSB 2706- 41- 22-B- SM5EKC 1260- 30- 14-B- SM3AGO 1071- 21- 17-B- SM0CGD 450- 15- 10-A- SM0DJZ 312- 13- 8-B- SM7GGK 297- 11- 9-B-	
JA6WW 13,137- 151- 29-C- 6 JA7BAL 11,160- 124- 30-B- JF1PL 11,016- 102- 36-B-16 JA4CKS 10,200- 90- 20-B- JA4UQV 6030- 67- 30-A- 6 JR3CVO 5130- 114- 15-A- JR3CQC 4641- 91- 17-A- JG1UNE 4554- 69- 22-B- 7 JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- JA1JWL 5816- 28- 8-A- JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1  High Band	DK8AX 16,632- 126- 44-B-	GW4BLE 887,040-2816-105-B-45	High Band	Northern Ireland	SM6GTF 9309- 107- 29-A- SM5DTY 8892- 78- 38-B- SM7TV 65,500- 530- 95-B- SM1CJV 2907- 51- 19-B- SM6CSB 2706- 41- 22-B- SM5EKC 1260- 30- 14-B- SM3AGO 1071- 21- 17-B- SM0CGD 450- 15- 10-A- SM0DJZ 312- 13- 8-B- SM7GGK 297- 11- 9-B-	9309- 107- 29-A- 8892- 78- 38-B- SM5DTY 65,500- 530- 95-B- SM7TV 320- 49- 24-B- SM1CJV 2907- 51- 19-B- SM6CSB 2706- 41- 22-B- SM5EKC 1260- 30- 14-B- SM3AGO 1071- 21- 17-B- SM0CGD 450- 15- 10-A- SM0DJZ 312- 13- 8-B- SM7GGK 297- 11- 9-B-	
JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- JA1JWL 5816- 28- 8-A- JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1  Low Band	DK9SU(DK8FZ,opr.) DK8AX 373,302-1338- 93-C- DA1AY 258,546-1051- 82-B-25 DK9FW 82,485- 423- 65-C-5 DF9QO 18,156- 178- 34-C-19 DL8PC 15,252- 164- 31-B-15	G13KDR 262,650-1030- 85-A- G15BV 93,024- 456- 68-B-34	High Band	Northern Ireland	SM6GTF 9309- 107- 29-A- SM5DTY 8892- 78- 38-B- SM7TV 65,500- 530- 95-B- SM1CJV 2907- 51- 19-B- SM6CSB 2706- 41- 22-B- SM5EKC 1260- 30- 14-B- SM3AGO 1071- 21- 17-B- SM0CGD 450- 15- 10-A- SM0DJZ 312- 13- 8-B- SM7GGK 297- 11- 9-B-	9309- 107- 29-A- 8892- 78- 38-B- SM5DTY 65,500- 530- 95-B- SM7TV 320- 49- 24-B- SM1CJV 2907- 51- 19-B- SM6CSB 2706- 41- 22-B- SM5EKC 1260- 30- 14-B- SM3AGO 1071- 21- 17-B- SM0CGD 450- 15- 10-A- SM0DJZ 312- 13- 8-B- SM7GGK 297- 11- 9-B-	
JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- JA1JWL 5816- 28- 8-A- JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1  High Band	DK2BLG 51,408- 238- 72-B- OK1KPDZ(OK1AH,opr.) 12,426- 109- 38-B-	High Band	Poland	SP6PZB(SP6s FAF FIH,opr.) SP9KRT(multiop)	SP6PZB(SP6s FAF FIH,opr.) SP9KRT(multiop)	SP6PZB(SP6s FAF FIH,opr.) SP9KRT(multiop)	
JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- JA1JWL 5816- 28- 8-A- JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1  Low Band	W5ONL/HB* 113,820- 542- 70-B-21	High Band	Hungary	SP6PZB(SP6s FAF FIH,opr.) SP9KRT(multiop)	SP6PZB(SP6s FAF FIH,opr.) SP9KRT(multiop)	SP6PZB(SP6s FAF FIH,opr.) SP9KRT(multiop)	
JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- JA1JWL 5816- 28- 8-A- JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1  Low Band	DK2BLG 51,408- 238- 72-B- OK1KPDZ(OK1AH,opr.) 12,426- 109- 38-B-	High Band	Poland	SP9PEZ 5022- 62- 27-B- SP5AEG 4680- 52- 30-B- SP5FHIC 432- 16- 9-A- 2 SP1KIZ 27- 3- 3-B-	SP9PEZ 5022- 62- 27-B- SP5AEG 4680- 52- 30-B- SP5FHIC 432- 16- 9-A- 2 SP1KIZ 27- 3- 3-B-	SP9PEZ 5022- 62- 27-B- SP5AEG 4680- 52- 30-B- SP5FHIC 432- 16- 9-A- 2 SP1KIZ 27- 3- 3-B-	
JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- JA1JWL 5816- 28- 8-A- JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1  High Band	OK1KAA(OK3s TMR YCQ,opr.) 89,856- 416- 72-B-2	High Band	Poland	OK1KAA(OK3s TMR YCQ,opr.) 89,856- 416- 72-B-2	OK1KAA(OK3s TMR YCQ,		

White R.S.S.R.	KL7HRP(+KL7IUM) 1,407,276-2522-186-C-52	<b>High Band</b>	<b>Indonesia</b>	<b>Surinam</b>
<b>Multi-Single</b>	<b>High Band</b>	<b>XE1AFU</b> 451,278-1233-122-B-20	<b>YBØACH</b> 54- 6- 3-B- 1	<b>High Band</b>
UK2WAF(multiop) 37,812- 274- 46-B-	KL7IRN 630,300-1910-110-B-50	<b>Cayman Islands</b>	<b>Manihiki Islands</b>	JA1PIG/PZ 105,825- 425- 83-A- 8
UK2WAO(multiop) 540- 18- 10-A-	KL7IQN 108,180- 601- 60-A-44	ZF1AK 760,641-1249-203-A-32	ZK1BA 669,900-1276-175-B-24	Venezuela
<b>High Band</b>	KL7HDX 16,872- 152- 37-A-10 WA2AJQ/KL7	W9ABA/ZF1* 85,398- 331- 86-A- 8	<b>New Zealand</b>	YY4TI 4,163,922-4721-294-C- WA5UKR/VV5 78,039- 299- 87-B-25
UC2BF	8613- 99- 29-B- 3	<b>Oceania</b>	ZL2ACP 1,237,515-1955-211-A- ZL3BK 94,620- 415- 76-A-22	<b>High Band</b>
Lithuania	<b>Puerto Rico</b>	<b>Philippine Islands</b>		YY5FOI 723,398-1757-138-B-35
<b>Multi-Single</b>	KP4EAS 7,782,324-8132-319-C-86 KP4DSD 3,544,944-4784-247-C- UK2BBB(multiop) 93,274-2058-151-B-49	DU6EG 2580- 43- 20-B- 7	<b>High Band</b>	
UK2BAS(UP2PAJ PAO opr.) 376,740-1092-115-B-30	1,247,226-2143-194-C-31	<b>Virgin Islands</b>	ZL2GJ 30,315- 215- 47-B- ZL4IJ 5850- 65- 30-A-	
<b>High Band</b>	KV4JY 234,255- 679-115-A-	<b>K9PNT/DU2</b> 135- 9- 5-B- 2	<b>Low Band</b>	<b>Check Logs</b>
UK2PAD(UP2PAQ opr.) 130,872- 574- 76-B-14	<b>Greenland</b>	<b>New Caledonia</b>	ZL2HE 49,830- 302- 55-A-16	Cw: DK9NH DM2ABL DM2ADC DM2BLE DM2CDO DM2CGF DM2CGH DM2CKJ DM2CMA DM2CMF DM2CUA DM2DZH DM2DHF DM2DQH DM2DQN DM3HF DM3TNA DM3UFL DM3WFJ DM3WVJ DM3ZC DM4SWL Fw: G3PV A G3UFY HA3MB H18EVA JE2GAL K1YHK K3TGM K6DSK K6QPH LA2IE LB1G L6X L2ZB NG6Z OK1JAR OK2CBL K2BPN K2CQK OK3CJK OK3KFF OY3H PA0CLN PA0EFI PA0PHK PA0UV SM2COR SP2FMN SP2GRT SP3DAH SP5IX1 SP6EIY SP8GUW SP9AMH SP9WVW SP4BG0/112-1ACO UA1GCA UA1HWW UA1JADCO UA3AFQ UA3DAE UA3DCX UA3DDN UA3DEA UA3DIW UA3EAL UA3ECC UA3IAM UA3GDC UA3TAM UA3UAA UA3VAD UA3WBO UA4AV UA4AVW UA4BZM UA4PAY UA4YAU UA6WE UA6LLI UA6LZX UA9HAK UA9MF UA9SDS UA9UPP UA9XV UA0BBR UA0CBW UA0LJ UA0LL UA0QBW UB5AFA UB5CBB UB5EDJ UB5FAQ UB5IDL UB5FBB UB5HAG UB5JUB UB5NU UB5OCK UB5TAG UB5UB UB5UB UB5XBO UB5ZCO UC2AAC UC2LBB UC2RG UC2RV UK1ZAS UK2BBF UK2FAA UK2GAY UK2PAT UK3AAY UK3VAK UK3QAC UK6AAJ UK6JAN UK6JIN UK6JIN UK9AAZ UK9WBD UK9AAC UL7CT UL7EAH UL7PB1 UL7PB1 UQ2BQJU UV3CM UV3DN UVQJL UW3UG UW3WZ UW6CV UW3WZ UW5AO VE2DWG VE2VU/WA1VWU WA1VWU WA1ZLD W2LKH W2NC1 WA2ZBW W3IPS W4BBP WB4REV W6BYB/7 W6MUR W6RR W7KXW WB9TWT WB9X WB9KF8 Y09BGV YU1BCBM YU2CDO Phone: CE5B1B CT1EU DM1RB DM2CFF DM2DWN DM2DHF DM2DQH DM2DQN DM4UCO F3EC G4FGH HV3J5 JA7KXD JE2GAL K1BUR K3AV K4KPH K5NM K6SDK/M6 K7GEK K7YDO K9NA K9VUW LA2IE LA6HLNGA OH1XX OH2EBJ OH3CFE OH3AB OZ4JU OZAVK PA9LEG PA9TV PA9UV SL5ZW SM1CXE SM1DYR SM5BFJ SM5GA SM7DMT SM01 SP3BQD SP4AS SP5PTR UA3DFK UA3IAM UA4CJL UA4CJL UA4CJL UA9BAC UC2ACA UA8LAG UK2GCF UK3AAJ UK3ACW UK4YYY UK5VAD UK6LDN UK6YAB UK7LAF UK9ADM UK9AAB UK9AAC UQ5BZ UR2REN UD3DN UW3EG UW9JH UW3EG UW3EG VE2ZIE VE2CBB VE2CBB VE3FFA VE7BKG VE7DEW VK4PJ VK4VU VU2GDG WA1PBE W2GGN W2IKA W2JGR W3GRW W3IEZ W3ZLW4OS W6OJW W6RQZ W8NN W7BZM W7ZJYI WA1LNN WA1BWB WA4PMU WA6EKL WA8TOB/C6A WA9GFR WA9NPM WA8EEI WA0TAS WB4JKP WB5TIM WB9NME WB0NOU ZE1BL L5T5CJ; SWI: REF 30989
<b>Low Band</b>	<b>High Band</b>	<b>FK8AH</b> 49,077- 287- 57-A-	<b>Bolivia</b>	
UP2PBW	900- 25- 12-A-	<b>French Polynesia</b>	CP6EL 1,989,900-3015-220-A-36 CP1AT 123,321- 408-101-C- 9	
Latvia	Sint Maarten	FO9RS(K6NA opr.)* 1,517,292-2268-223-A-21	<b>High Band</b>	
<b>Multi-Single</b>	<b>Multi-Multi</b>		CP6HE 502,902-1206-139-B-60	
UK2GKW(multiop) 826,848-2088-132-B-	PJ8CO(K1CO,W1GYZ,WA2DYK, WB25 DRW G10 GEU W01 oprs.)* 7,239,870-7810-309-C-48	<b>Eastern Caroline Islands</b>	Ecuador	
Estonia	Guatemala	KC6KO(WB2WSP opr.) 22,650- 151- 50-B-12	HC5EE 371,805- 925-134-C- 9	
<b>High Band</b>	VE2AQ/S TG9 4,327,155-4579-315-B-63	<b>Guam</b>	HC5CRC/5(multiop) 8742- 94- 31-A- 4	<b>Multi-Single</b>
Yugoslavia	Antigua	KG6JHW 6216- 74- 28-B-13 KG6JAR 3024- 48- 21-C-	<b>High Band</b>	
<b>Multi-Single</b>	<b>Multi-Single</b>		HC1BU 2,442,192-4904-166-B-60 HD9EE 135- 9- 5-B- 1	<b>Argentina</b>
YU3DBC(YU3s TPZ TYX ZV, opr.) 1,935,450-3450-187-C-92	W6QL/VP2A(+W6KG)* 2,055,780-2916-235-A-44	KG6JIH 125,904- 488- 86-C-20	<b>High Band</b>	
<b>High Band</b>	St. Lucia	Hawaii	LU1ADI 184,032- 568-108-B-19	
YU1BCD(YU1NZV opr.) 622,098-1938-107-C-48	VP2LDQ(WA9FXJ opr.)* 246,861- 669-123-B-19	KH6IJ 4,244,226-5089-278-C-77 WB5KVC/KH6 3132- 58- 18-A- 6	<b>Multi-Single</b>	
YU2CDS(YU2RQX opr.) 612,990-1946-105-C-			<b>Peru</b>	
Malta	<b>High Band</b>	KH6GQW(+KH6GMP) 4,407,690-5285-278-C-96	OA8V 386,370- 810-159-A-21	
9H4G	11,583- 99- 39-B-12	<b>Montserrat</b>	<b>High Band</b>	
North America	KH6BZF 1,605,744-3304-162-C-64 KH6JFI 312,708-1012-103-C-19 KH6IJA 297,330- 935-106-B-22	W1DKB/OA4 728,190-1674-145-C-53	<b>Netherlands Antilles</b>	
Bahama Islands	VP2MNK(VP2MGB,WØNAR, WA9ONK opr.)* 2,869,344-3888-246-B-48	<b>Midway Islands</b>		
<b>Multi-Single</b>	VP2MAQ(W65 KG KL oprs.)* 2,433,552-3352-242-C-44	<b>High Band</b>		
W4SS/C6A*(+W4s OO PJG RA SS, WB4PQB) 1,514,460-2348-215-A-31	St. Vincent	KM6FC 1785- 35- 17-B-19	PJ2FR 2,595,957-3367-257-A- PJ9JT(WB1H opr.)* 1,364,688-2106-216-B-19	<b>Brazil</b>
<b>Dominican Republic</b>	VP2SZ(WB8JEY opr.)* 406,080-1128-120-C- 9	<b>Australia</b>	PY3APH 180,711- 621- 97-B-	
HI7CMC	466,626- 937-166-C-18	<b>Bermuda</b>	<b>Multi-Single</b>	
<b>High Band</b>	VK2XT 122,472- 504- 81-B-24 VK4AK 118,181- 483- 82-B- VK5RX 2832- 59- 16-A- VK4PJ 1554- 37- 14-A-	PY1BAR(+PY1s CHP DBE) 410,571-1029-133-B-26		
HI8MOG	470,580-1364-115-C-11	<b>High Band</b>		
HI8CDS	294,984- 964-102-C-12	VK9IF 356,928-1352- 88-B-50		
HI8LC	26,319- 283- 31-B- 8	<b>Low Band</b>		
<b>Alaska</b>	<b>Mexico</b>	AX4VU 112,392- 446- 84-A-12 VK3QI 24,957- 141- 59-B- VK4QK 4725- 63- 25-B-	PY2ELV 1,108,800-2310-160-A- PY2DMT 152,991- 573- 89-C- 9 PY1ZBJ 137,520- 573- 80-B- PT2BJ 432- 16- 9-B-	
<b>Multi-Single</b>	XE1LLS 3,928,344-4886-268-B- XE2MX 867,969-1581-183-B-			

**Disqualifications:** The following have been disqualified from the 1977 ARRL DX Competition, per the criteria described on page 85 of January QST, 1977. **Phone:** K1EA W1NJL W1ZA (operators of W1ZA), W3RJ WA3LRO (operator of W3WJD), W6RTT. **Cw:** K1EA (operator of W1ZA), WA1LNO K2BMI W2GGE WA2YHK K3UEI K3WJV K3WW W3HXK WA3LNM (operators of K3WW), WA1LNO

CX1EK WA2LQZ K3EST W3AU W3IN WA3HRV (operators of W3AU), N3AD W3BGN W3IGQ (operators of W3BGN), K3DZB (operator of W3RJ), K3JGI WA3YGH WA3YHT (operators of WA3YGH), WA3UFW WB4YKU (operators of WA4UFW), K6MA WA7RKR (operators of K6MA), K6PJY N6VV WA6FWJ WA6NGG (operators of WA6NGG).

## Strays

### 1976 DX Competition

KH6GQW is incorrectly listed as a phone single-op entry. Correct status is as multi-single with KH6GMP as second op. KH6GQW is also Oceania Continental winner, not C21NI as shown. The scores of G4ANT, HB9AUS, YV1AVO are shown in single-op listings; all are multi-single participants. JF1MYI is incorrectly shown as

JA1MYI in the single-op scores from Japan.

### 1976 Sweepstakes

□ Southwestern Division phone winner is W6HX, now K6AC as printed. Midwest Division low-power winner should be WØNVP, not WAØPAO, K1VTM is incorrectly listed as multiop phone winner in New England Division. The correct winner is K1KDP.

Phone single-op winner for the Mad River Radio Club is WA8PLZ

(WB8AYC, op), not WA3WIK. Winning single op on phone for Motor City Radio Club is K8SIA, not WA8FRE as shown. K5VTA should be listed as op of Northern Texas Division first-place finisher W5TMN. The club listings incorrectly show the IBM Owego Club as the IBM Oswego Amateur Radio Club.

### 10-Meter Contest

The second operator at the MDC multi-op station WB3BSV is shown as K3ZZ. The correct call is W3ZZ.