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1997 IARU HF World Championship Results

This year's contest won't go down in the record books by any means, but everyone reported having a good time. Even with all the complaints about poor propagation, band conditions were actually quite good for that point in the sunspot cycle.

Twenty meters was the life blood of this year's contest. You can usually count on 20 coming through, and it surely did. It was quite easy for W/VE stations to work into Europe, and rack up some pretty high QSO and multiplier totals, even from modest stations. Franklin, KB8IBS, reports, "Twenty meters was really the hot spot this year. The band was open to Europe most of the contest."

Ten and 15 meters also enjoyed some nice band openings. During this year's contest, Europeans were reporting good openings on both bands into North America. If you didn't rack up some of these easy QSOs, you missed out on a few good openings. In a 24-hour contest, it's important that you try not to miss any band openings—you don't get a second chance to exploit them, as you might in a 48-hour contest.

The key to any contest is participation. Even with great band openings, without good participation there won't be those endless pileups of stations to work. That's the problem with some of the less popular contests—a lack of stations to work. This isn't a problem with the IARU HF World Championship. This year's Championship garnered substantial participation. Although it can't quite compare with last year's bountiful harvest of 1503 entries, 1329 entries is still a worthy number. (Last year, we had the WRTC stations attracting a lot of folks, and creating excitement on

the bands.) CW continues to be the most popular entry category, followed by phone and mixed modes.

We had 31 IARU member-society headquarters stations submitting their logs this year, with 14 breaking the 1-million point mark. Eighth place finishers last year, EM5HQ, got their act together and finished in first place among the headquarters stations. The Germans at DAØHQ completed the most QSOs, but lacked the needed multiplier total for first place. They had to settle for second place with OL7HQ coming in third. All three top finishers completed over 10,000 QSOs each. What an impressive job!

The Washington based W1AW/7 finished in 13th place this year. Their effort was from Rush Drake's super station (W7RM). Another surprise was NU1AW showing up on the bands. This 11-operator IARU headquarters station finished in 10th place.

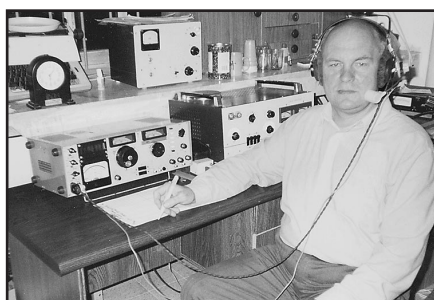
Hrane, YT1AD, operating at 3V8BB, broke the 2 million point mark to win the mixed mode category. Canada's best, VE3EJ, scored 1.7 million points and finished in second place worldwide and first in W/VE. Great going John! UA3RAR was third place in the world scoring 1.3 million points. Other W/VE stations to break in to the top ten world wide were K3MM in

Top World Scores

Mixed Mode		CW Only	
Call	Score	Call	Score
3V8BB	2,206,464	P4ØW	2,195,754
(YT1AD,op)		(W2GD,op)	
VE3EJ	1,768,200	HA3Ø	1,907,486
UA3RAR	1,525,764	(HA3UU,op)	
K3MM	1,313,340	HGØD	1,574,800
KW9KW	1,300,887	(HAØDU,op)	
(at K4VX/Ø)		UT4UZ	1,436,784
RK9CWW	1,298,860	OH1AF	1,429,914
DJØFX	1,296,380	(OH1NOA,op)	
(OE2VEL,op)		UN8LW	1,377,075
KQ2M	1,216,224	(UA3DPX,op)	
RZ9ØØ	1,209,990	LY1DS	1,355,952
RA3AUU	1,051,800	IR2W	1,237,740
		(I2VXJ,op)	
		SP7GIQ	1,199,658
		OH7MA	1,109,260
		Multioperator	
		Call	Score
		H22A	4,883,725
		HG1S	3,847,788
		RZ3Q	3,191,070
		EU8T	3,019,710
		HG6N	2,893,440
		UR4E	2,863,686
		IR4T	2,200,656
		UU5J	2,189,734
		OT7T	2,165,400
		RZ9AZA	2,077,208

Top W/VE Scores

Mixed Mode		CW Only	
Call	Score	Call	Score
VE3EJ	1,768,200	N2IC	1,049,764
K3MM	1,313,345	K3ZO	1,026,855
KW9KW	1,300,887	VE7NTT	909,832
(at K4VX/Ø)		AA4NC	880,464
KQ2M	1,216,224	K1VUT	767,040
N9AG	828,497	AA3B	713,648
(at N8NR)		N2MM	656,742
NØAV	738,360	W7GG	652,830
K4AB	679,725	N6ZZ	642,764
N2PP	671,517	W7VJ	546,210
W6XR	670,433		
WW4RR	648,826	Multioperator	
(N4ZZ,op)		Call	Score
		N3BB	1,276,464
		N1BB	1,179,232
		W4AN	1,068,454
		W7OM	965,526
		KC1XX	911,232
		WU4G	853,344
		W8AV	847,161
		W5WMU	804,648
		K5MDX	618,967
		K4FCC	605,430
		Phone Only	
		Call	Score
		K1YR	695,618
		WB9Z	673,920
		W7NN	511,872
		N2QT	499,044
		W4SVO	487,202
		K3WW	453,936
		AA4NU	432,160
		NA4H	409,860
		WA4ZXA	402,082
		KK1L	400,625



Serge, 4Z5JK, operated 4X2F. He finished second place world wide, single operator, phone only.



Gerald, OE2GEN, operated mixed mode from Austria in Zone 28.



Rizal, YC6PUP, operated mixed mode from Zone 54 in Indonesia.

fourth place, KW9KW (at K4VX/Ø) in fifth place, and KQ2M in eighth place.

Stavros, C4ØM, from Cyprus, scored 1.8 million points to take first-place world phone. Serge, 4Z5JK, operating at 4X2F, finished second place with 1.6 million

points. Igor, UA2FZ, was third with 1.5 million points. K1YR was the only W/VE to make the world top ten. Lou finished in 10th place world, and first place W/VE. Phone only was the only category in which all 10 world finishers didn't score over a

million points.

On the CW front, John, W2GD, operating at P4ØW, took first place world CW with 2.1 million points. Janos, HA3UU, operating at HA3Ø, finished in second place with 1.9 million points. Istvan, HAØDU, at HGØD, was third with 1.5 million.

In the multioperator category, the entire top ten scored over 2 million points each. The H22A crew finished in first place world with 4.8 million points. The Hungarian crew, HG1S, was second, scoring 3.8 million points. The Russian team, RZ3Q, was third with 3.1 million points.

The IARU HF World Championship offers something for everyone. You have a choice of operating CW only, phone only, both modes, single operator or multioperator. You can contact anyone in the world for credit, with a QSO point structure emphasizing contacts with stations in other continents, but not ruling out QSOs with your own country or continent. Almost any station can be competitive in the IARU HF World Championship. It doesn't take big antennas or a lot of power. You can even earn some wallpaper. Everyone who makes at least 250 QSOs or works 50 multipliers gets a certificate. If you like competing for the top spots, the IARU HF World Championship offers some first rate competition.

See you next July 11-12 for the 1998 IARU HF World Championship.

SOAPBOX

For the first time ever Denmark was represented as a headquarters station. We only had a few operators, but it was a lot of fun. Sometimes we felt like a rare DXCC country, we had so many pileups (ØZ7D). Conditions were abysmal, but a good time was had by all. We operated from a woolshed and Murphy ordered us a very heavy frost for the first 8 hours. It's amazing how woolly hats absorb audio (ZL6A). Very poor band openings and too much noise, but lots of fun (PT2AA). It was a pleasure working in this contest and representing India (ATØITU). Bands were great. 40 and 80 were open during our midnight sun. Surprise! (VY1JA). A great contest with lots of good DX (VA3NR). Very bad conditions from Greenland. If a signal reached S 2 or 4, it was considered very strong! K7SV must have very big ears. After we made contact I discovered that I had worked him with less than 1 W! (ØX/ØZ8AE). It seemed like there were more stations on the air this year. I wish I could have worked

IARU Headquarters Stations

EM5HQ (UR4MS,UR5IFX,UR5MA,UR5MAF,URØMM,US1TU,US2IR,US7MM,US7MQ,UT2IA,UT2ID,UT2IY,UT2UB,UT3EC,UT3EW,UT3J,UT3MM,UT5MB,UT5UIA,UTØMF,UX1MM,UX2MF,UX2MM,UY7MM,UX8MM,UXØMM,UX7IA,UY3IM,UY3QW,UY5QQ,ops)

12,641,940 10444 369

DAØHQ (DK4WA,DK7YY,DK8YY,DL1AØB,DL1AØQ,DL1ASA,DL1AUZ,DL1AWI,DL1DTL,DL1EM,DL2ØBF,DL2ØE,DL2SAX,DL3AØL,DL3ALI,DL3APO,DL3DXX,DL3ØI,DL3TD,DL4LI,DL4CA,DL4LQM,DL4MM,DL5ANT,DL5AØL,DL5AWI,DL5AXX,DL5LYM,DL5MX,DL5XU,DL5YY,DL6MHV,DL7AO,DL7BY,DL7IO,DL7IQ,DL7UA,DL7URH,DL7UTM,DL7VOA,DL7VRO,DL8AKA,DL8AUA,DL8DYL,DL9AWI,ops)

10,043,970 11840 335

ØL7HQ (ØK1AU,ØK1AXB,ØK1AY,ØK1CF,ØK1CM,ØK1CW,ØK1DG,ØK1DNR,ØK1FJD,ØK1FLM,ØK1FUA,ØK1HSK,ØK1JN,ØK1MD,ØK1MI,ØK1MR,ØK1NI,ØK1RF,ØK1RI,ØK1RR,ØK1TA,ØK1TN,ØK1TP,ØK1WF,ØK2FD,ØK2XTE,ops)

9,862,632 10059 312

ØM7HQ (ØM3GI,ØM8AA,ØM8AU,ØM8CW,ØM5RW,ØM5RM,ØM3EI,ØM3GB,ØM2TW,ØM2DX,ØM2ZA,ØM3BH,ØM3PA,ØM3PC,ØM7DX,ØM5ZM,ØM3NA,ØM5DX,ØM2RA,ØM3EA,ØM3LU,ØM3RM,ØM5XX,ØM5DP,ØM5MZ,ØM8AM,ØM8FF,ØMØWR,ØM8FM,ØM3DX,ØM5CD,ØM5NA,ØM5CW,ØM3JW,ØM5FM,ØM5MF,ops)

9,577,273 9981 323

9AØHQ (9A9A,9A5W,9A2EU,9A7R,9A2TN,9A6KCL,9A4LA,9A5I,9A2ØM,9A2TR,9A2SD,9A1AA,9A2VR,9A2AJ,9A2CY,9A5AZ,9A4ØZ,9A3NM,9A3LG,9A2D,9A7W,9A8A,9A3TR,9A3ØS,9A2ME,9A7V,9A4RX,ops)

9,476,400 9960 318

S5ØHQ (S5ØA,S5ØQ,S51ZO,S53BB,S53C,S53G,S53RM,S53ZO,S54E,S55ØØ,S56M,S57AD,S57AL,S57C,S57NAG,S59A,S59L,ops)

8,179,401 8539 321

YPØA (YO2AUN,YO2AØQ,YO2BBT,YO2BP,YO2BV,YØ2DFA,YØ2GL,YØ2LDC,YØ3AC,YØ3APJ,YØ3AV,YØ3FF,YØ3FU,YØ3GDA,YØ3ND,YØ4ATW,YØ4HW,YØ4SI,YØ4WZ,YØ4XF,YØ5BLA,YØ5TE,YØ6AWR,YØ7DAA,YØ8BAM,YØ8BIG,YØ8MI,YØ8SS,YØ8WWW,ops)

7,473,585 7294 327

YUØHQ (YU7AC,YU7AL,YU7AV,YU7AX,YU7BJ,YU7BW,YU7CB,YU7CM,YU7CP,YU7DR,YU7FN,YU7GO,YU7GW,YU7JX,YU7LM,YU7NW,YU7ØA,YU7YG,YT7KF,YT7TY,YT7TY,YT7WA,YZ7AA,YZ7UN,4N7CA,4N7DW,4N7ZZ,ops)

7,304,512 8272 304

R3HQJ (UA6LO,UA6LV,UA6LU,UA6LQ,UA6LFQ,UA6LCJ,UA6LT,UA6LUQ,UA6NP,UA6ØD,RA6LW,RA6LRT,RA6LBX,RA6AX,RA6YY,RA6YDX,RA6FO,RN6BN,RN6MM,RN6LE,RV6LNA,RV6LOB,RW6BQ,RW6YY,RX6BA,RA4AJF/6,UR8MA,UT6IZ,ops)

7,297,962 7412 309

NU1AW (K1CC,K1KI,K1RO,K1TO,K1ZZ,K2KQ,KA1T,KG1D,N1RL,W1ØD,WA2GO,ops)

7,100,940 7154 290

PA6HQ (PA3BBP,PA3DMH,PA3EBT,PA3ERL,PA3ERC,PA3EWP,PA3FQA,PA3GBQ,PBØAIC,NL9447,ops)

5,345,340 5596 267

ER7A (ER1AM,ER1LW,ER3DX,ER3ØØ,ER3AL,ER5AA,ER5WU,ER5ØB,ER5ØK,EXØFF,ops)

2,996,490 4689 210

W1AW/7 (W7RM,W7BX,K4VX,W7YAQ,K7QQ,W7WA,N6TR,NØAX,K16FE,K7SS,AA7KF,K7JA,W2VJN,W7HUY,WJ7R,N7TO,KJ7ØY,KC7WLR,K7NTB,ops)

2,832,138 2558 179

SKØHQ (SMØDRD,SMØJHF,SMØKCO,SMØBTU,ops)

2,406,654 3827 186

5NØHQ (5NØT,5NØYL,5NØFPK,ops)

861,880 1258 145

ON4UBA 570,141 1338 143

ØZ7D (ØZ1JSH,ØZ8NJ,ØZ5ABD,ØZ1FTU,ØZ2ELA,ops)

536,769 344 129

ZL6A (ZL2AGY,ZL2BSJ,ZL21N,ZL2BHS,ZL2AMI,ZL2BA,ZL2DX,ops)

395,044 788 107

P43ARC (P43A,P43AO,P43E,P43GM,P43HK,P43HOT,P43JB,P43RR,P43T,P43W,YV4DPS/P4,ops)

380,606 883 94

VR2HK (VR21L,VR2KM,VR2LC,R2PM,VR2SS,VR2XMT,VR2XRW,VR2ZYW,ops)

368,386 1163 94

VE7RAC (VE7CFD,VE7CQK,VE7CA,VE7QH,VE7NS,ops)

329,296 1190 88

HA4YF 181,104 535 112

PT2AA (PT2BW,PT2TF,PT2ØM,PT2NP,PT2AW,PT2SA,PT2QX,PT2IW,PT2ØN,PT2ADM,PT2PC,ops)

175,050 451 90

8J3XHQ (JA3MAU,JA3NDM,JG3RPL,JH3ERW,JH3HOA,J13XOM,JJ3WPF,JK3RXY,JK3NEY,JP3DZA,JQ3SLN,ops)

161,468 1178 74

LZØHST (LZ1UQ,op)

137,281 575 107

OY6A (DL1MGB,op)

124,980 727 60

SM5ARL 123,664 303 118

ØE1XHQ (ØE1AKB,ØE1JNB,ØE1PPA,ØE1TKW,ops)

74,971 371 73

VK1WI (VK1FF,VK1AUS,ops)

29,392 150 44

ATØITU (VU2UR,op)

18,000 121 40

CT4D 9,880 118 2



The crew at N3BB finished first place W/VE multioperator. From left to right, K5NA, N5LT, N3BB, K5TR, and AB5EB.



Ken, FP/AA3GM, operated a small solar-powered station on the Island of St. Pierre.

them all. Great contest even with the poor band conditions (KI6OY). I must be getting old. I couldn't stay awake for the whole thing this year. Working all the headquarters stations was fun and having NU1AW out there was a nice bonus. I look forward to more headquarters stations getting involved in the future (KQ6ES). I was surprised to find W1AW/7 and NU1AW on the air. Great to hear them both (W6TKV). It was nice to hear Europe, but where were the South American stations (N6MI)? This was our first experience with the Championship—we really enjoyed it (NN6NN). Where were 15 and 10 Meters? I thought that the sunspots were on the way up. During the contest the flux dipped to 67 (N7VY). Conditions were okay to Europe. Not much on 15/10 Meters (K7ABV). Sure missed the WRTC as they kept the action up last year (N7WA). Good results on 80, even with the usual summer noise. Ten was disappointing. Please send sunspots (N6ZZ). The contest seems to have taken on a new life. Good participation especially from Eastern Europe. Nothing from Africa. Very little from South

America, Central America or the Caribbean. Fifteen meters wasn't playing yet. Maybe next year (K5XR). Toughest contest I've ever worked QRP. Everyone had their beams aimed at the DX (AE0Q). We had a fun time even though propagation was very poor (N2GA). Interesting conditions. Twenty started out pretty dead, but improved with age. Had a great opening to the Far East the last hour of the contest (K3MM). First time for me to operate from the US. It was great fun. Tnx to all for the QSOs (K2XS, DL50BZ). A great contest. Things were very good except 15 and 10 meters were poor (WA4JUK). This remains my favorite contest (N2QT). Great to find out how well contesters can hear QRP (K8CV). My first attempt at IARU from home. A good start but we'll be back next year for more fun (KG8CW). This was my first CW effort as a DX station. Conditions were reasonably good and quite a lot of activity. Even 160 and 80 were usable despite the high summer noise levels in the Caribbean. I look forward to going back next year (V26E). Very poor conditions, but I did my job. I

had fun (YV5NWG). Thanks for the nice contest (LA9PJA). I was very happy that 15 and 10 were open at last here in the north. I like this contest very much (OH5PA). Great propagation on all bands (OH1AF). First time in this contest. Lots of stations, even on CW. Had fun, thanks (OH8BQT). Thanks for the nice contest. Propagation was very bad in Sykkvkar. I hope to see you all next year (RN9XA). Nice to be the subject of some pile-ups, a sign of the enthusiasm for this contest (F2NH). Our first try at this contest. We combined this with a BBQ for all the contest club members and had a ball. Conditions were reasonable, weather was superb and everybody could operate. It was fun for all involved. I like the mixed-mode approach. It allows specialists in both modes to participate (OT7T). Very nice contest. Worked my first US station on 10 with a simple vertical antenna. Fifteen was much better than expected (ON6ZX). It was our pleasure to bring the VERON multiplier to this contest (PA6HQ).

Scores

Scores are listed by ITU Zone and then by country, ARRL section, or Canadian Province within the zone. Line scores indicate call sign, final score, QSOs, multipliers, and entry class (A = single operator, mixed mode; B = single operator, phone only; C = single operator, CW only; D = multioperator, single transmitter).

Zone	Country	Call Sign	Score	QSOs	Multipliers	Entry Class										
Zone 1 Alaska	USA	KA6SGT	1,955	43	17	C										
		San Joaquin Valley														
		N6MI (at N6NB)														
		NN6NN (W6XK, op)	306,720	881	96	A										
		KI6PG	111,780	496	69	A										
		KP6G	11,439	85	41	B										
		WC6U	102,534	424	69	C										
		K6T1T	80,700	333	75	C										
		W6UC (+N6ED, NO6X)	460,742	1270	107	D										
		WM6DX (W6DPD, K6ESL, ops)	16,340	110	43	D										
Zone 2 Alberta	Canada	VE6SV	55,883	279	47	A										
		VE6JY	335,700	600	150	B										
		VE6IM (VE6LXD, op)	31,111	173	53	B										
		VE6BF	216,864	615	96	C										
		British Columbia	Canada	VE7XO	21,645	165	37	C								
				VE7NTT	909,932	1564	154	C								
				Yukon	Canada	YU1JA	349,380	925	108	A						
						Zone 3 Manitoba	Canada	VE4YU	114,062	415	82	A				
								Saskatchewan	Canada	VE5SF	4,818	59	22	A		
										Zone 4 Quebec	Canada	VE2AWR	64,728	302	62	A
VE2ABO	1,557											51	9	C		
Ontario	Canada											VE3EJ	1,768,200	2166	210	A
												XL3AT	491,742	1185	102	A
												VE3XN	141,232	376	104	A
		VE3STT	85,100									326	74	A		
		VE3SRE	77,231									293	77	B		
		VE3KP	327,949	871	103							C				
		VE3/AGTJ	30,316	109	44	C										
		VA3NR	100,385	241	85	D										
		Zone 5 Greenland	Greenland	OX/OZ8AE	19,620	158	36	C								
				Zone 6 W6	USA	East Bay	USA	NP4HW	34,600	255	40	A				
KI6OY	12,610							132	32	B						
K6AW	526,358							1060	131	C						
Los Angeles	USA							KJ6T	61,238	280	67	A				
								N61B	23,080	177	39	A				
								KQ6ES	59,496	308	67	C				
								N6GL	20,148	156	46	C				
								Orange	USA	KC6CNV	523,534	1451	106	A		
										KN6WV	58,688	275	64	A		
		W6TKV	39,000							325	40	B				
		KO6XB	11,152	100	34	B										
		W1HJH	42,600	264	16	C										
		W6ZL	34,464	254	48	C										
KF6GUH	440	20	11	C												
N6RT	119,424	318	96	D												
Santa Barbara	USA	WA6FGV	81,468	461	62	C										
		W6BKV	24,024	214	39	C										
		W7CB	6,205	101	17	C										
		Santa Clara Valley	USA	K6XX	351,764	824	119	A								
				N6NF	252,474	1018	87	A								
				K6GT	105,009	425	71	A								
				N6NM	84,210	373	70	A								
				W6PLJ	56,934	255	66	A								
				W6ISO	14,477	147	38	A								
				N61J (N6NM, AA6EG, K6MI, ops)	57,420	258	66	D								
San Diego	USA			W6CN	50,500	215	70	B								
				KQ6OO	6,812	98	26	B								
				N6KI	40,872	266	39	A								
		EA6EE	17,336	112	44	C										
		N6NC	10,812	110	34	C										
		San Francisco	USA	WA6OEM	2,016	38	16	B								
				WW6D	17,444	183	28	B								
				Western Washington	USA	K7ZS	35,086	250	53	A						
						KF6AVD	270	18	5	A						
						W7NN	511,872	1290	124	B						
W7TI	40,832					228	56	B								
N7FL	29,498					172	49	B								
W7VJ	546,210					1280	119	C								
N6HR	175,498					527	94	C								
AB7RW	38,864					206	56	C								
N7WA	36,040	278	53			C										
W7OM (+W7NC, K8EI)	965,526	1471	186			D										
Zone 7 W5	USA	Arkansas	USA	K5GOE	117,734	405	86	B								
				K5YRZ	7,280	108	20	B								
				KJ5WX	29,960	153	56	C								
				N5XYN	29,900	217	46	C								
				AB5SE (+K5OY)	200,208	450	86	D								
				Louisiana	USA	W5WMM (+K5ZD, N8RR, N5AN, N5SYF)	804,648	1460	156	D						
						AE5T (KJ5SU, KJ5SZ, KB5ZR, ops)	306,270	1001	90	D						
						New Mexico	USA	KN5H	5,616	66	26	C				
								North Texas	USA	K5RT	469,280	958	140	A		
										N5JR	429,912	944	126	A		
W5BS	76,041	305	63							A						
N5KB	43,596	206	63							A						
W5RNF	52,606	285	58							B						
KN5JV	17,640	140	45							B						
KQ5ZT	40,384	14	12							B						
N6ZZ	642,764	1197	148	C												
W5FO	390,000	1066	100	C												
AC5HF	174,984	514	92	C												
NN5T	96,120	308	89	C												
South Texas	USA	K5OW (+K5OT)	599,040	1444	120	D										
		NK5M	80,325	265	85	D										
		K5SHT (+WB4EEH)	43,056	284	52	D										
		Oklahoma	USA	K5YAA	209,400	704	75	A								
				K5PX	26,158	270	29	A								
				K5TT	446,490	1002	123	C								
				W5HTK (NJ5S, N1UOC, KA7GLA, N2MNC, N0NUJ, KC5OKG, KA0RNY, KD5BA, ops)	36,138	287	38	D								
				South Texas	USA	W5WVP	113,742	360	89	A						
						K0BCN	12,546	113	34	B						
						K5XR (W5ASP, op)	218,556	754	78	C						
W5NR	3,043					53	17	C								
N5BB (+AB5EB, K5NA, K5TR, N5LJT)	1,276,464					2084	174	D								
W5EHM (KM5FA, A5BT, KG5KI, KA5WSS, ops)	77,177					347	71	D								
KA5KLU (+N5RLQ)	20,855	155	43			D										
West Texas	USA	K5VI	4,750			54	25	A								
		W9	USA			W9WIS	88,196	349	68	C						
						W0	USA	N0HF	14,058	116	33	A				
				K9MWM	72,600			410	60	B						
				N2IC	1,049,764			1677	164	C						
				W0TM	442,500			974	118	C						
				K0GDS	133,360			543	80	C						
				AC0S	10,329			103	33	C						
				AE0Q	2,688			70	16	C						
				K0GZI (+KB0YXR)	317,250			1135	94	D						
Iowa	USA			N9AV	738,360			1522	140	A						
		WA0ETC	127,792	410	98			B								
		W0PFP	25,286	94	19	B										
		Kansas	USA	K0BJ	111,948	421	76	A								
				W0YJT	5,640	74	20	B								
				K0RY	31,680	150	55	C								
				Minnesota	USA	KF0VB	6,228	55	36	B						
						KG0WT	852	25	12	B						
						KB0O	146,090	651	70	C						
						W0HW	40,128	250	48	C						
AA0BY	179,646					678	74	D								
Missouri	USA					KW9KW (at K4VX/0)	1,300,887	1829	189	A						
						N50B	1,055,915	455	69	A						
		AA0NB	3,480			62	20	A								
		W0GFV	14,178			110	34	B								
		NW0B	14,148			122	36	B								
		KI0CB	7,032	84	24	B										
		K0CA	87,216	330	69	C										
		K50M	56,168	230	68	C										
		W0EEE (N0ZSE, KB0LY, ops)	5,076	102	18	D										
		Nebraska	USA	W0LVC	28,296	111	72	B								
KA0TKU	21,402			97	58	B										
KG0KR	58,083			311	57	C										
K0SW	20,520			100	60	C										
South Dakota	USA			W0BMR	12,804	126	33	B								
				Zone 8 W1	USA	W1JVC	1,216,224	1888	164	A						
						N1TM	76,456	318	76	A						
						K1YR	695,618	1259	154	B						
						W1XF	41,005	217	59	B						
						W1WEF	137,904	534	68	C						
		New York	USA			N2PP	671,517	1331	133	A						
						W6XR	670,433	1359	127	A						
						W2QSM	163,400	550	76	B						
						N2UHI	13,968	130	36	B						
N2LQQ	6,006					81	22	B								
KW2J	224,943			617	97	C										
W2OMV	27,511			197	41	C										
WA2EYA	26,488			160	44	C										
KA2ZD	20,178			136	57	C										
W2EZ	15,480			117	40	C										
AE2T	13,370	122	35	C												
Delaware	USA	N3WBF	4,152	85	24	B										
		Eastern Pennsylvania	USA	K3PP	178,680	399	120	A								
				New Jersey	USA	W1GD	337,440	586	152	A						
						W1LRO	11,550	89	42	A						
						K2BM	173,628	468	106	B						
						W2HCA	14,742	107	42	C						
						N2LKF	8,300	111	20	C						
						N2KJM	100,050	406	87	D						
						Northern New Jersey	USA	W1G0	337,440	586	152	A				
								W1LRO	11,550	89	42	A				
K2BM	173,628							468	106	B						
W2HCA	14,742	107	42					C								
N2LKF	8,300	111	20	C												
N2KJM	100,050	406	87	D												
Southern New Jersey	USA	K2PS	167,890	412	103			A								
		N2MM	656,742	1249	138			C								
		W5KI	5,070	61	30			C								
		Western New York	USA	N2PP	671,517			1331	133	A						
				W6XR	670,433	1359	127	A								
				W2QSM	163,400	550	76	B								
				N2UHI	13,968	130	36	B								
				N2LQQ	6,006	81	22	B								
				KW2J	224,943	617	97	C								
				W2OMV	27,511	197	41	C								
WA2EYA	26,488			160	44	C										
KA2ZD	20,178			136	57	C										
W2EZ	15,480			117	40	C										
AE2T	13,370	122	35	C												
Virginia	USA	W44JK	111,150	212	75	A										
		Maryland-DC	USA	K3M1	1,313,340	1932	177	A								
				K3ZQ	1,028,855	1485	171	C								
				W3CP	43,296	226	66	C								
				NY3M	24,304	150	49	C								
				Western Pennsylvania	USA	AD8J	26,101	157	43	C						
						W4	USA	K4AB	679,725	1621	135	A				
								NS4M	50,280	3						

S53M3	342,216	874	126	C
S55J7	280,575	621	145	C
S51W0	105,791	387	119	C
S57N7	99,960	357	120	C
S58M0	70,965	155	83	C
S52F8	53,340	260	70	C
S50L (S53EA, S53R, S59W, S59AA, ops)	1,562,400	2023	135	D
Poland				
SP4GDC	93,870	281	105	A
SP3XR	33,781	287	37	A
SP5GKN	33,015	183	71	A
SP4AVG	26,176	171	64	A
SP1MHV	21,168	108	72	A
SP5ANX	16,763	302	88	A
SQ0DXN	15,168	128	48	A
SP9LAS	14,476	121	28	A
SX2T (SV2CWY, op)	273,465	1030	103	B
SP9BBH	195,845	547	131	B
SP6MLX	80,958	282	103	B
SP9RVD	55,848	261	78	B
SQ3BYH	33,120	193	69	B
SP7FQJ	29,492	189	73	B
SQ5AAS	29,094	258	39	B
SP2LJK	28,270	254	71	B
SP2AHD	26,676	159	78	B
SP6IEQ	23,302	150	61	B
SP1E0J	20,567	146	81	B
SP3BH	896	32	16	B
SP7GIQ	1,199,658	1820	179	C
SP4EEZ	763,308	1432	182	C
SP2QCH	440,426	1074	163	C
SP2EBG	412,308	1000	117	C
SP2AYC	384,210	854	135	C
SP3SLA	29,825	807	137	C
SP1AEN	167,400	886	124	C
SP2WDW	137,214	450	121	C
SP2IWI	65,265	242	95	C
SP8BAB	44,055	301	45	C
SP9KJU	41,720	248	70	C
SP9FZC	37,338	229	42	C
SP2SIT	27,575	140	29	C
SP4EAK	25,755	188	51	C
SP3FZN	25,135	146	55	C
SP5CGN	24,539	136	53	C
SP6CPD	24,048	188	36	C
SP5SXB	15,457	169	41	C
SP9SAG	6,112	113	16	C
SP2JHC	5,226	100	28	C
SP6YGB	3,696	42	21	C
SP8IIS	3,420	41	19	C
SQ2DMR	168	12	7	C
3Z2GD (SP2FOV, SP2JKC, ops)	990,036	1890	178	D
SP3PLD (SP3CB, SP3FAR, SP3FLR, SP3HBF, SP3BM, ops)	427,056	946	164	D
SP9KRT (SP9ADU, SP9-1753,ka,ops)	210,420	559	140	D
Greece				
SV2BBJ	4,472	108	13	C
SV1AFA (SV1CIB, SV1CID, SV1DPJ, ops)	138,103	521	109	D
Romania				
Y08SMM	343,980	843	252	A
Y03FR1	298,012	850	143	A
Y03GEC	114,642	428	99	A
Y05CUU	78,965	284	85	A
Y05BRZ	74,820	311	87	A
Y05AG	66,143	308	77	A
Y04AC5	34,323	265	51	A
Y04RDN	27,972	262	63	A
Y02CJX	22,464	237	52	A
Y05CYG	17,122	565	119	B
Y02BEH	73,870	356	89	B
Y02LIF	39,004	416	49	B
Y03BHQ	38,675	337	35	B
Y03AIL	11,240	112	44	B
Y09IAB	13,992	128	44	B
Y05PAP	12,382	168	41	B
Y09CMF	8,961	101	29	B
Y08RTR	8,672	91	32	B
Y08FR	166,212	451	114	C
YR8A (Y08AXP, op)	165,370	561	115	C
Y02ARV	163,500	122	76	C
Y04BTB	6,912	100	18	C
Y08RDO	2,652	86	26	C
Yugoslavia				
YU1B0	107,363	431	101	B
YU7CF	81,600	402	75	B
YU1EA	81,175	305	85	B
YU1KN	54,360	280	90	B
4NT7W	4,690	149	14	B
YU4YA (YU4EXY, op)	592,100	1146	155	C
YU1K1	433,160	1105	136	C
YU7KM	155,688	494	104	C
YU7SF	115,995	419	111	C
YU7XM	74,205	305	85	C
YU1HA	30,742	266	38	C
Y41T (YT4AY, YU4WU, YZ4OQL, YZ7ED, ops)	640,134	1541	106	D
Zone 29				
Azerbaijan				
4K9W	16,000	95	50	C
Moldova				
ER10A	167,348	512	107	C
Estonia				
ES1QD	2,241	39	27	A
Belarus				
EU1DQ	275,576	671	88	A
EW6TU	261,580	2378	110	A
EW1EA	147,000	502	98	A
EW4EW	55,704	285	88	A
2W34MM	649	11	8	A
EW4AB	1,620	40	18	A
EU1FC	720,432	1416	181	C
EU6AA	48,490	292	65	C
EU8TV	31,323	205	53	C
EU8T (EW8DX, EU8RZ, EW8OS, ops)	3,019,710	3698	255	D
EU5F (EU6DX, EU6MM, EU6EM, EW6AF, EW6EW, EW6AW, ops)	1,393,460	2146	193	D
EW4XA (EU4EU, EU4AE, ops)	486,948	1073	154	D
Lithuania				
LY2FE	78,772	357	94	A
LY5A (LY3MM, op)				
LY3BH	1,198,208	1794	184	B
LY2OU	568,484	1202	158	B
LY2PW	494,428	1083	158	B
LY2PW	87,924	288	102	B
LY3BY	66,202	278	81	B
LY1DS	1,355,952	1834	212	C
LY2PAQ	164,230	569	93	C
LY2KM	145,945	483	101	C
LY3XZ	133,938	493	102	C
LY1DG (LY1DQ, LY1DT, LY2BOS, LY3BHY, ops)	1,705,083	2699	201	D
Kaliningrad				
UA2FZ	1,559,140	2404	190	B
RA2FZ	176,913	595	99	B
UA3AP	50,274	270	63	B
European Russia				
UA3RAR	1,525,764	1877	212	A
RA3AUU	1,051,800	1503	200	A
RV3BR	858,476	1620	157	A
RX3APM	802,488	1502	174	A
UA1QV	416,164	876	167	A
RW3GU	254,875	709	125	A
RA3AUM	192,204	510	114	A
RY2AK	152,932	410	83	A
RO3A	122,205	662	52	A
RZ3EM	66,768	254	78	A
RX3DUK	54,950	309	70	A
UA4YG	24,346	240	37	A
UA4LU	369,357	743	159	B
RV4LP	187,416	530	137	B
UA4NC	155,292	174	63	B
UA4SKW	144,668	430	118	B
UA3EJU	67,660	280	85	B
RV3WR	63,360	285	80	B
UA3QOG	38,708	192	63	B
RV3LZ	35,571	167	71	B
RZ3TFZ	32,580	238	45	B
UA3QOP/1	19,032	176	44	B
RV3WT	10,692	297	36	B
RZ6YF	7,120	445	16	B
RX3DLH	6,125	93	25	B
RW4WR	780,738	1239	174	C
RV3FO	424,008	1006	151	C
UA1QM	378,140	901	148	C
RW3VY	254,572	706	144	C
RN6AL	246,354	726	114	C
RZ6HX	233,172	582	127	C
UA4SS	157,248	506	108	C
UA4AGO	152,900	481	110	C
RV6YZ	152,110	513	106	C
UA3LPF	140,283	517	109	C
UA6LAK	114,374	414	83	C
UA4TO	113,102	451	97	C
RA3GGI	91,908	321	92	C
RV6YB	86,250	400	75	C
UA3TU	79,524	500	94	C
UA4HAU	59,930	551	138	C
UA1ANA	37,674	150	63	C
UA3JG5	35,574	148	77	C
UA4AO	28,535	136	65	C
RX3AGQ	24,084	168	54	C
UA4ANZ	20,280	114	65	C
UA9QCP/3	15,840	103	48	C
UA3YKG	11,392	104	32	C
RA3VY	10,837	107	23	C
RW6AVP	9,750	250	27	C
UA4QK	1,955	33	12	C
RZ3Q (RW3QC, RW3QQ, UA3QDX, RW3QNZ, UA3QOQ, RX3QP, UA3QG, ops)	3,191,070	3582	259	D
RZ6HWA (RZ6FA, RW6HA, RZ6HN, ops)	1,082,079	1507	219	D
RK3AWE (RK3DGD, RK3FT, RK3FM, RA3DKE, RA3FF, ops)	707,756	1426	157	D
RK4FWX (UA4FOA, RW4FO, UA4FUG, RW4FW, UA4FAR, UA4FPS, RA4FV, RA4FU, RW4FAR, UA4FCV, ops)	540,375	1085	165	D
RZ4PZL	385,044	2917	132	D
RK3DZD (RV3DA, RV3DDB, RU3DDM, R3D-205, R3D-206, R3D-207, R3D-208, R3D-209, ops)	261,000	735	120	D
RK3EWW (RA3EA, R3E-9, ops)	192,890	402	96	D
RK3EZW (RA3EOR, R2-E8, ops)	54,240	266	80	D
RK31XX (UA1ZK, UA31KJ, ops)	28,350	240	45	D
Ukraine				
UX1UA	606,550	1138	175	A
UR8LV	542,300	1052	170	A
EM8I (UT8IM, op)	492,156	1130	147	A
UT11I	322,322	770	143	A
UX9I	172,416	492	128	A
UX3IZ	171,522	475	117	A
UT5UN	158,930	469	115	A
UY5TE	147,259	553	109	A
UT4EK	60,024	296	82	A
UR7R (UX1RX, op)	54,927	314	51	A
UR9IR	35,109	181	83	A
UV7D (UT7DX, op)	980,934	1667	163	B
UR4EYN	169,180	520	110	B
UX8ZN	151,668	494	99	B
UT1WA	132,468	423	51	B
UT3HD	122,094	291	133	B
UT7MD	61,600	234	88	B
UR6EX	28,764	178	81	B
UT6EE	25,596	216	54	B
UR5XAW	6,831	105	27	B
UU9JQ	4,644	172	27	B
UT4UZ	1,436,784	1992	222	C
UU9JM	1,092,026	1884	108	C
UR17A	745,193	1308	185	C
UY1HY	466,168	1012	181	C
US5ZC	413,910	841	162	C
UY5WF	392,914	892	142	C
US2YW	277,992	780	117	C
UR7QQ	211,580	509	142	C
UX5EF	191,068	497	72	C
UT4JC	155,364	398	107	C
UA5LW	136,532	616	58	C
UT5UDX	120,528	405	93	C
UY5VL	83,527	266	101	C
UY5WA	73,778	389	74	C
UR5VII	61,295	301	65	C
UR5BCJ	52,548	216	87	C
UR3MC	49,470	217	85	C
UJ5J	28,350	123	70	C
UT4XU	28,350	204	54	C
UT4PZ	26,413	151	61	C
UU2JA	25,670	120	85	C
UT8IT	20,210	126	47	C
UR4E (UR4ES, UR5EA, UR5ECW, UR5ED0, UR5EDU, UR5EDX, UR5EFJ, UT5Z, ops)	1,120,967	1791	199	D
UU5J (UU1J, UU2JQ, UU2JZ, UU3J, UU4JDX, UU0JX, ops)	2,189,734	2609	254	D
UR4QWW (UR4QFE, UR5QN, UR9QQ, US5QRW, ops)	1,120,967	1791	199	D
UT7W (UR5CW, UT7WZ, ops)	991,661	1535	187	D
UR4MWW (UR5MB, UR4MT, US5Z, UR5MFE, ops)	295,044	471	99	D
UX3M (UR3MF, UR4MO, UR5MAW, UR5MTA, US4MBM, ops)	68,250	354	78	D
Latvia				
YL1ZF	321,570	941	135	A
YL1ZW	65,842	461	46	A
YL2R0	25,636	170	58	A
YL3GE	351,804	972	122	B
YL3DW	855,135	1469	155	B
YL2UZ	200,355	644	111	B
YL2GN	165,416	510	116	B
YL2IU	6,574	197	19	B
Zone 30				
Kyrgyzstan				
EX9A (EX2M, EX7MM, EX0M, ops)	756,054	1430	117	D
Turkmenistan				
TK9J	360	40	9	B
European Russia				
RU4HY	641,693	3797	169	A
UA4HEJ	265,856	1036	64	A
RU4WE	163,822	508	101	A
RU4HH	56,497	327	49	C
RK4WVA (UA4WA, RW4WA, ops)	963,404	1523		