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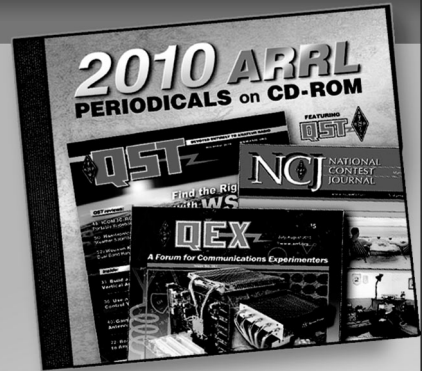
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# Results, 7th IARU World HF Championship

This is what this contest should be: fun, lots of contacts and great DX—*Shawn, N1HOQ*

By Billy Lunt, KR1R and Warren C. Stankiewicz, NF1J  
Contest Manager Assistant Contest Manager

There was a big difference between 1992's IARU HF World Championship and those of the past several years. Poor band conditions had led to a decline in scores and interest in the contest. The great propagation we enjoyed this year, however, has turned things around. The old adage proved true: When there are good band conditions, it's easy to work plenty of people and everyone has a good time while doing so. Participation in this year's contest, the weekend of July 11-12, really sprang to life! The level of enthusiasm was high. At ARRL HQ, the first thing we noticed was that entries increased 21% over the previous year and the number of Headquarters stations more than doubled from nine last year to 19 this year. It didn't take long to fill our filing cabinets with contest entries this time around.

Fifteen meters was wide open for the entire contest! For example, Charlie, K3WW, started on 15 meters and worked more than 700 stations in the first 11 hours of the contest. In fact, he was making five-point QSOs on 15 as late as 0230Z! Andy, UX6B, ran Japanese stations on 15 well into the night, finishing with more than 2000 QSOs and 78 multipliers on this band alone. Fifteen meters is becoming more of a mainstay, as 10 meters gets sluggish at this point in the solar cycle.

Although the usual summertime static appeared on the low bands, it didn't slow anyone down. The better-than-average conditions down there allowed people to make contacts that would have been much tougher to work in 1990 or 1991. Tony, ZL2AGY, concentrated on 40-meter CW and made 193 contacts with 100 watts and a dipole. Don't overlook this band! Forty meters can be a good backbone for working local stations, while the higher bands may only be good for long-haul DX.

A look at the Top-10 boxes shows how good things were. Scores were up dramatically over last year. Many overall winning scores from the past two years would have had a hard time just making the boxes this year. Forty-two zone records were set, most dating to 1989, the last year we had decent conditions. Three of the top four overall-score records were broken, as Gyoza, HA0MM, beat his previous mixed-mode record by 345k, and the team at UX1A de-

stroyed the previous multioperator mark by more than 2.7 million points. In the US, the KA5W multioperator crew in Texas topped N5AU's five-year-old record by 140k

## IARU Headquarters Stations

HG92HQ (HA1s VQ,WD,YA,YU,HA2RX,HA4s YD,XT,HA5s AWH,BGG,FA,FM,GF,IW,MK,ML,OM,OR,UA,HA6s GK,GM,IDL,ND,NF,NQ,ON,OQ,VH,VR,VX,WP,WX,ZQ,HA7RY,HA0s DU,HG,LC,NAR,HG5CC,HG6GD,ops)	10,169,166	9920	294
DA0HQ (DF7RX,DG1RMP,DL1s DTL,SBR,DL2s NBU,SAX,DL3s OI,VHF,DL4NAC,DL5s ARX,LYM,DL6FBL,DL8WAA,Y21CW,Y23EK,Y32VK,Y33s UL,VL,Y42s IK,LK,MK,OK,Y54NL,Y57UG,Y77VH,ops)	9,751,980	10813	294
YP0A (YO2BV,YO3s APJ,AWT,FU,JF,YO4s ATW,BEX,HW,NF,SI,XF,YO6AWR,YO8s AXP,BAM,CMB,YO9s BEI,FE,HP,ops)	4,813,042	6421	247
ZA1A (DF3CB,KC6KOU,OH1MKT,OH2s BH,BSI,OH6EI,ZA1s B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z,ops)	3,809,520	6087	195
W1AW (N1CC,K2WR,KR2J,N2KW,WB2DIN,K3IPK,N3ADC,WN3K,ops)	2,188,480	4652	160
GB4HQ (G0HSD,op)/GB5HQ (G3OZF,op)/GB6HQ (G0MFO,op)	1,729,760	3220	160
SK3HQ (SM3s BDZ,CER,DMP,RAB)	1,503,212	2670	158
OT2O (ON4s ACG,KAR,VT,XG,ON5WL,ON6s NL,WL,ONL-6945,ops)	1,403,832	2570	174
4U11TU (IK2NCJ,IV3TAN,ops)	1,102,815	1953	111
FF1REF (F1s HXH,HYH,JTL,RWA,F11KVS,ops)	824,145	1896	105
JA3RL (JA3MAU,JG3RPL,JISERV,JJ3WPF,JN3s QLL,VOG,JQ3OZY,JR4ISF,ops)	714,816	1406	153
OG0C (N6HR,op)	517,854	1289	102
TU2CI (TU2OP,TU2XZ,TU4EF,ops)	512,475	1375	75
LA7HQ (LA4s OFA,YW,ops)	403,798	1273	101
OE1XHQ (OE1s MCU,TKW,ops)	313,320	703	120
SV1SV (SV1s AHV,AOZ,BDO,BKE,MF,QN,ops)	216,580	826	98
PY5A	6,664	81	24

points. As the sunspot cycle declines, these records will be hard to beat.

It wasn't just the "big gun" operators who enjoyed this contest, however. The challenge of contesting is for everyone, and just about anyone can get on and have a good time. The incentive of earning certificates for making 250 QSOs or 50 multipliers adds to the fun of participating in the IARU HF World Championship. This way, you don't have to win to come away with an attractive certificate for your effort. Mike, KB9BIB, exclaimed, "I was hoping to make at least 200 QSOs, but I was surprised when I made 688!" Rita, KD1BM, remarked, "It was quite a contest, but I worked my heart out and qualified for my first contest certificate!"

The competition among IARU Headquarters stations was closer this year, with the Deutscher ARC's effort from DA0HQ giving a strong challenge to perennial top finishers HG92HQ from MRASZ. The German group topped the Hungarian's QSO total, but didn't make enough of the valuable five-point contacts to win. We welcome the IARU-member society headquarters stations from Albania, ZA1A, and the Ivory Coast, TU2CI, on their first entries in this contest.

The Radio Society of Great Britain (RSGB) took advantage of the rules for HQ stations and split its effort into three entries this year to maximize its score, while minimizing interference between its stations.



The team that put ARRL HQ station W1AW on for the contest included (l-r) Doug, N3ADL; John, KC1XM; Jim, N1CC; Bob, KR2J; Allen, N2KW; Bob, WN3K; Rich, K3IPK; and Rich, K2WR.

GB4HQ operated on the 80- and 40-meter bands; GB5HQ operated on 160 and 15 meters and GB6HQ operated on the 20-meter band. Their combined efforts gave the RSGB team a score of 1,729,760.

If this year's contest was a harbinger of things to come, you won't want to miss the next IARU HF World Championship. If you've never contested before, this is a great opportunity to get your feet wet. Thanks to Contest Assistant Anne Jaworski for her help in preparing these results. The 8th IARU HF World Championship is July 10-11, 1993.

**SOAPBOX**

It was a nice contest, but to make a good score, I'll need better antennas (OD5/SP1MHV). What a difference a year makes! Conditions were much better than last year, with 15 meters open 24 hours a day and Europeans starting to come in on 10 Sunday morning. The hardest part of the contest was having to tell ZA1A he was a dupe (WD4AHZ). This is my first contest since getting my ticket in January. It's all new to me, but I enjoyed it very much (KQ4AX). I was surprised to find 21 MHz so good after several weeks of it being almost dead! (LA2AD). It was my first, but not last, IARU HF championship. I'm looking forward to next year (OZ9AEC). This was my first serious participation in this contest and I enjoyed it very much (ON4APA). I was happy to work two new countries during the contest (JA1ASO). Using only a temporary setup, I managed to have lots of fun! (YB3ASQ). Since 1983, this is the first time I've been able to take part in the contest and it was great to be back! I've retired to my country home on a few acres of land, and now I'm growing antennas as a hobby—unfortunately, they're slow growers (VK2AYD). The contest was lots of fun. I worked many familiar call signs and many new ones. My main interest this year was to give 40 meters most of my attention (ZL2AGY). It was a great contest for me as a 16-year-old boy. I found it an interesting challenge (Y24AO). This was the first time we used a linear amplifier. It arrived the day before the contest (5B4ACY). It was great to only have to search and pounce three times on 20, and it was great when ZA1A answered my CQ (KB9BIB). I seemed to be a multiplier for everyone. It was great! I'll be back next year, for sure (CT1BWW). It was difficult to operate in the contest, but at the same time, it was a pleasure! Next year I hope to do better (YO5BQ). This is the first time I participated in this contest. I found propagation to be very good! (UX6B). The contest was nice. It was too bad I missed the 80-meter openings (UA6BPJ). Although I only had a few hours to work this contest, it was nice (LA0CX). We had to use our home station, as the antennas at our club site crashed during a heavy

**Top World Scores**

**Mixed**

Call	Score
HA0MM	2,274,024
KL7Y	1,421,676
UA3PAR	1,293,872
UT4UZ	1,275,092
RT9J	
(RB5IM,op)	1,239,480
UT5UGR	1,209,274
YU7AV	1,157,518
K3WW	1,150,876
A17B	1,137,300
OG6NIO	1,098,495

**Phone**

Call	Score
RY7D	1,257,450
UX6B	1,239,087
ON6TT	1,175,850
GM0ECO	1,065,991
5Z4BI	1,033,865
DL8PC	1,013,595
YU3HR	991,935
K4XS	
(WC4E,op)	960,644
YZ3A	
(YZ3EA,op)	934,768
WB2K	891,648

**CW**

Call	Score
ZY1R	
(YU1RL,op)	2,053,014
5B4ADA	1,601,600
CQ8M	
(CT1BOH,op)	1,492,590
K1TO	1,164,670
G3FXB	1,121,400
EX0S	
(UA0SAU,op)	1,101,168
ZD8LI	1,037,088
W0ZV	1,020,537
9A1CCY	
(9A3NM,op)	957,768
WQ5W	933,910

**Multipoperator**

Call	Score
UX1A	6,065,368
HG1S	3,214,827
RY0Q	2,932,440
4K5ZI	2,711,520
EZ6L	2,116,980
R9J	1,962,584
KA5W	1,776,349
GB4DX	1,688,487
9A1CRT	1,217,610
UB3JWW	1,189,377

**Top W/VE Scores**

**Mixed**

Call	Score
K3WW	1,150,876
A17B	1,137,300
KZ5D	831,174
KW8N	
(NZ4K,op)	802,961
WX9U	570,696
VY2SS	568,242
W1GD	487,320
CJ4VV	449,955
KN1M	441,843
KG5YA	401,744

**Phone**

Call	Score
K4XS	
(WC4E,op)	960,644
WB2K	891,648
WB5NXH	788,222
N4UH	536,507
N1HOQ	403,624
K4VUD	398,820
AA4NU	331,315
KM6HD/5	305,286
N6WLV/8	303,698
W8KKF	266,196

**CW**

Call	Score
K1TO	1,164,670
W8ZV	1,020,537
WQ5W	933,910
K80S	829,184
W1WEF	786,956
KT3Y	774,400
N6TR	732,814
AD5Q	688,250
K5RC	
(K5GN,op)	674,520
WA6AUE	571,692

**Multipoperator**

Call	Score
KA5W	1,776,349
N2IC0	1,174,497
W1W2Y	991,328
K9FD	786,891
NC8P	703,647
K9SD	648,410
WX0X	643,200
KS1A	574,902
NR1L	565,425
W8IQ	547,200

storm earlier this year (PI4COM). A barefoot transceiver and a few pieces of wire equals summertime fun! (AA6DX). This was my first participation in any contest. I enjoyed it very much (7K2DOD). This is my first time in this contest and I enjoyed it. I managed to work two new countries. My goal was to make 250 contacts and I was pleased when I did (N9MDW/5N6). The contest was excellent, with excellent conditions and excellent operators, but the W/VE turnout was poor. I love the 24-hour format! (N6EE). It was a nice contest, and I enjoyed it (RB5EL). This was only the second contest I've worked. It was definitely the best! I was able to make contacts with many countries (N1KFN). Thank you for an excellent contest! (LZ3FN). To me, the contest was certainly a challenge this year because prior to the contest, all of our antennas were destroyed during a June 19 storm, except for our 2-element 40-meter beam at 20 feet, fixed NE. I'll be back for the next IARU contest (N5CG). I used 100 watts and low dipoles. I want to thank the operators who pulled me out of the noise! It was a fun contest (KB1GW). Thank you for a nice contest (YL2GVW). The first two hours were great, then the amplifier broke! It was 2100Z before I was able to get it to work again. I found the low bands disappointing, but the 15- and 20-meter bands made up for it. Thanks to YJ8RN for the new multiplier and an all-time new one (KM6HD/5). This being my introduction to the IARU contest, I found it enjoyable! (NH6HF). Even with bad propagation, the contest turned out nice. I hope next year is better! (IK0HBN). It was a great contest with unexpectedly good band conditions. I wanted too long to go to 40 meters. Where were all the multipliers? (NP2I). It was a good contest with much better conditions than last year, except activity on 10 meters was too low (PA0IJM). This is the first contest I've participated in, and it was great fun. This was also the first time I spent any time on 40 meters, which I found enjoyable (N7UJJ). Without the solar storms, propagation was better than last year (KE2JO). What else is there to do when the temperature is 110° F but work a contest! (WA0KDS). This was my best score ever! What more could a suburban ham ask for? CU next year (WB2K). The conditions were 10 times better than last year! The 15-meter band was great through the whole contest (NR1L). At last, Lady Luck smiled on me in this contest! The competition was enjoyable. Thanks a million! (UB5LCV). It was a good contest, and not a marathon. The 24-hour length suits me fine! (ZD8LI). Having a lot of QRM/QRN made for poor conditions (HA5LZ). The bands were better than last year, but there seemed to be less participation. CW was more productive (N5NMX). I'm 17 years old and this was my first contest (OE1MBB). It was a great contest! (DL2MEH). Thank you for a nice contest! If possible, I'll take part again next year (DL9MFL). After lightning had disabled most of the station, it was a challenge to get on the air.



Lionel, G5LP, listens intently for another contact at the well-equipped GB4DX.



Members of the Albanian Amateur Radio League activated ZA1A in Tirana as an IARU HQ station for the first time in this contest.



Sixth-place mixed-mode finisher Dmitry, UT5UGR, of Kiev, remarked, "Conditions were great this year and I can't wait to do it all over again."



Ivo, 5B4ADA, of Nicosia, Cyprus, sits in front of the 14-element log periodic that helped him to his second-place overall, CW-only finish.

Then, more thunderstorms came and a blown amp took us off again! Regardless, the young operators that we had performed well (WX3N, op at WXØX). As I'm getting older, I'm getting better (AE2N). It was a good contest! (UA1NDV). It was hard to participate in the contest, as it was a beautiful summer day! (WAØOU). Let's hope this contest is as much fun when the sunspots go away! (K1TO). Did anyone else do better this year than last? This is what the IARU should be---fun, lots of contacts and great DX. I only wish I'd done more "sleep preparation" for the contest (NIHOQ). Graduate school has kept me away from the radio for almost two years. It was nice to dust off the rig and find the contest! (NZ3O). This was my first attempt in a foreign contest. I was glad I took part, as it was fun (JQ1OCR). I had a lot of fun with my window antenna! (DL1OO). We seldom have such good conditions. The only trouble was the QRN on the lower bands! (DL8PC). I didn't expect the 15-meter band to be so good! This year's score will be hard to beat (AD5Q). Propagation was good, but signals were weak! It was a pleasure to compete for the full 24 hours, and I enjoyed meeting new and old friends, using my usual ineffective hunt-and-pounce technique (VE1REC). It was an interesting contest! My special thanks to Rolf, PY1RO, and Sonta (YU1RL/ZY1R). I almost doubled last year's score (IG8R). This was our first contest where we worked as a team. We hope we'll do better next year (DL1RNH). It was difficult to run in the contest during Stampede Week in Calgary! (VE6SH). I've been an SWL for years. This is my first contest, as I've been licensed for only three weeks (GIØSAP). Propagation was excellent and the level of activity was good. I enjoyed it. (ØN6TT). I get a lot of pleasure participating in this contest (ØN6TJ). I found 10 meters nearly dead and 40-meter phone was too crowded. It was a nice contest, but I'm hoping for better conditions next



Well-known contester Jan, PAØIJM, led The Netherlands in the phone-only category. He claimed, "It was a good contest with much better conditions than last year."

year (DLØTO). As I was tired because of a university examination, I could only stay awake for 10 hours (LZ3YY). I found conditions on the 10-meter band poor. Next year, I hope to have a decent antenna, so watch out! (OZ2ZZZ). Thanks for a nice contest (4K5ZI). The conditions were good, which made this a good contest! (OK3ZBU).

### Scores

Scores are listed by ITU zone and then by country within that zone. The line score indicates the call sign, final score, QSOs, multipliers and entry class. The entry class letters indicate the following: A = single operator, mixed mode; B = single operator, phone only; C = single operator, CW only; D = multioperator, single transmitter.

Zone 1		Orange		West Texas		AB1U		
<b>Alaska</b>		WK6O	75,889	261	71	C	58,640	
KL7Y	1,421,676	2432	138	A	WF5E	101,505	491	
NL7HT	20,202	130	37	B	AA5ZX	43,732	176	
KL7FAP	5,420	67	20	B	W6KFT	149,345	443	
<b>Zone 2</b>		N6PEQ (+N6DEC)		Colorado		Eastern Massachusetts		
<b>Alberta</b>		WA6FGV	86,871	351	69	A	NW1U	152,724
VE6GEL	132,912	488	72	B	NØZA	301,860	864	
VE6SH	462	23	11	B	AD8O	290,825	730	
CJ6BF (VE6BF,op)	140,475	484	75	C	K1ER	35,319	151	
<b>British Columbia</b>		Santa Clara Valley		Maine		New Hampshire		
VE7JMN	57,171	337	51	B	KDØNB	100,568	308	
VE7XD	47,982	200	56	B	WØZV	1,020,537	1459	
VE7JUF	109,230	399	66	C	WYØJ	92,858	332	
VE7EKS	248	20	4	C	AC2S	37,544	200	
<b>Zone 3</b>		San Diego		Iowa		Rhode Island		
<b>Ontario</b>		KI6ZH	374,270	735	130	A	KC1F	30,411
VE3TFE	1,666	27	17	A	KCØGM	120,572	326	
VE3TPB	3,040	44	16	B	WØPPF	36,784	183	
<b>Manitoba</b>		San Francisco		Minnesota		Vermont		
CJ4VV	449,955	1169	101	A	NØBP (+NØAMI, WØØV, WØØG)	703,647	1409	
<b>Zone 4</b>		San Joaquin Valley		North Texas		Western Massachusetts		
<b>Quebec</b>		NS6CW	55,080	617	71	A	N1KFN	19,874
CJ2WFR	42,732	301	36	A	W5MW	37,630	184	
VE2WAT	63,950	301	50	C	W5PLN	136,068	386	
<b>Ontario</b>		Sacramento Valley		Oklahoma		Eastern New York		
VE3ZD	41,344	160	64	B	KM6HD/S	305,286	797	
VE3WDJ	8,840	84	24	B	NJ1V/S	266,832	818	
VE3OMU	3,703	41	25	B	W5SS	282,735	683	
VE3ØBU	1,584	25	16	B	<b>North Texas</b>			
VE3KP	313,860	814	64	C	W5WV	32,630	184	
VE3ØWE	91,686	329	74	C	W5WV	32,630	184	
CJ3BR	390	16	5	C	W5WV	32,630	184	
<b>Zone 5</b>		Nevada		South Texas		Nebraska		
<b>East Bay</b>		N7XCZ	288	12	8	B	AJØI	17,097
KG6XA (+KØ6s AQB, JSC)	20,250	126	45	D	KS5YA	401,744	861	
<b>Los Angeles</b>		Oregon		Kentucky		South Dakota		
KØBT	14,288	100	38	A	W5VX	561,920	1102	
ABØFO	7,800	74	30	A	W5ASP	70,512	340	
<b>Zone 6</b>		Arizona		Louisiana		Missouri		
<b>Alaska</b>		KA7V	214,830	767	62	C	NVØU	60,166
KL7Y	1,421,676	2432	138	A	K17Y	81,740	326	
NL7HT	20,202	130	37	B	KA7FEF	10,638	106	
KL7FAP	5,420	67	20	B	<b>Utah</b>			
<b>Zone 7</b>		California		Washington		Colorado		
<b>Alaska</b>		K8XO	238,313	595	99	A	NØZA	301,860
NL7HT	20,202	130	37	B	W7HS	115,830	293	
KL7FAP	5,420	67	20	B	<b>Western Washington</b>			
<b>Zone 8</b>		British Columbia		Wyoming		Iowa		
<b>Quebec</b>		KØ7M	2,944	32	23	B	KCØGM	120,572
VE2WAT	63,950	301	50	C	<b>Zone 9</b>			
<b>Ontario</b>		New Jersey		New York		Pennsylvania		
VE3ZD	41,344	160	64	B	<b>Zone 10</b>			
VE3WDJ	8,840	84	24	B	<b>Connecticut</b>			
VE3OMU	3,703	41	25	B	KJAKB	2,576		
VE3ØBU	1,584	25	16	B	KØ1BM	60,456		
VE3KP	313,860	814	64	C	K1TO	1,164,870		
VE3ØWE	91,686	329	74	C	W1WFF	788,956		
CJ3BR	390	16	5	C	K1ZZ	185,944		
<b>Zone 9</b>		New Mexico		Texas		Virginia		
<b>Alaska</b>		New York		Washington		West Virginia		
NL7HT	20,202	130	37	B	<b>Zone 11</b>			
KL7FAP	5,420	67	20	B	<b>Connecticut</b>			
<b>Zone 10</b>		New Jersey		New York		Pennsylvania		
<b>Alaska</b>		New Mexico		Texas		Virginia		
NL7HT	20,202	130	37	B	<b>Zone 12</b>			
KL7FAP	5,420	67	20	B	<b>Connecticut</b>			

Table with columns for State/Country, Call Sign, Power, Frequency, and other technical specifications. It lists various radio stations across the United States and internationally, including Southern New Jersey, West Virginia, Illinois, Zone 18, Norway, Zone 14, Zone 13, Zone 12, Zone 11, Zone 10, Zone 9, Zone 8, Zone 7, Zone 6, Zone 5, Zone 4, Zone 3, Zone 2, Zone 1, and various international regions like Europe, Asia, and the Pacific.

<b>Czechoslovakia</b>	OK1FKV 164,424 508 102 A OK1KZ 162,450 502 95 A OK3GDZ 102,228 395 79 A OK1FSM 85,000 324 85 A OK3TEG 77,024 312 83 A OK3IA 72,890 279 74 A OK1FAU 30,316 154 53 A OK1BF 22,280 192 35 A OK3TZW 203,516 587 83 B OK3GTA 15,300 142 36 B OK1ARN 252,880 707 109 C OK1NDV 247,692 619 106 C OK1RUV 148,475 416 106 C OK3CEL 111,698 349 93 C OK3GB 102,261 311 93 C OK2HI 84,448 341 91 C OK3CCC 64,870 260 65 C OK3CAB 47,400 298 50 C OK2BNX 37,392 258 38 C OK3TAY 30,750 191 50 C OK3ODN 24,050 189 50 C OK3GWF 16,512 207 48 C OK3ZBU 14,292 106 36 C OK2PAW 14,288 127 38 C OK1FRG 9,352 106 28 C OK2TUM 2,028 77 24 C OK1AOU 1,812 45 12 C OK2PBG 4,184 28 14 C OK3WST 180 29 4 C OL1A (OK1a DOW, DWX, FOW, FIA, FUA, HH, ops) OK2KMR (+OK2BQZ) 1,090,431 1865 153 D 47,100 219 50 D	<b>Kaliningrad</b> UA2FBR 367,895 292 55 B <b>European Russia</b> UA3RAR 1,293,872 1547 193 A UX3D (UA3DPX, op) RA6LV 503,040 1149 131 A UA1TAN 204,323 581 101 A UA3VFP 111,004 362 84 A UA6LP 59,096 436 53 A UA6LP 45,084 210 51 A RA3VA 44,988 268 46 A UA1TFG 31,204 150 58 A UA3GM 16,384 108 32 A UA3SBW 12,308 117 34 A UY6B 1,239,067 1992 159 B RU8Y/RW9AB 221,312 646 112 B UA4NC 182,800 515 100 B UA4LJ 151,308 511 81 B UA6BPJ 118,544 372 86 B UV3DOR 53,444 341 82 B UA3VJ 37,950 263 50 B RA3DNC 16,332 149 32 B UA4SDT 16,523 191 31 B EX3A (UW3AA, op) RW3DA 876,860 1417 170 C UA3VFP 574,128 894 161 C UA1AU 376,540 782 134 C RA4HX 216,910 526 109 C RA3PP 194,900 577 100 C UA4A4A 120,105 482 85 C RA3NB 109,716 393 82 C RA3RN 103,840 287 110 C UW6LY 80,585 334 71 C UW3DW 60,720 324 55 C RW3DA 40,848 253 48 C UA3VFP 32,832 228 48 C UW3ABN 31,950 179 50 C UA4QK 25,476 160 44 C UA1A1A 22,950 105 54 C RA6YJ 20,306 78 71 C UA3TAG 20,132 215 28 C UV3DRU 19,659 112 39 C UA3TU 16,352 74 74 C UA3TAM 15,708 158 28 C UV6AQB 14,280 180 28 C UA4AO 10,395 87 55 C UA3MIF 7,688 150 18 C UA3SDN 4,758 79 33 C E2J1 (UA6s LO, LV, UJ6s IBG, ITW, UV6LPL, UA6-150-1103, UA6-150-1403, ops) UJ6HWA (UA6HSV, UV6HTV, ops) 2,116,980 2480 228 D 238,398 667 107 D UZ3PWJ (UA3s PLS, PNN, ops) 186,224 556 113 D UZ3WVO (RA3s WCG, WFZ, UA3-135-665, ops) 57,792 295 64 D 56,128 273 64 D UZ3DZD (RV3DA, UA3-142-1896, ops) 2,275,092 1910 182 A	<b>Moldova</b> UI0SON 90,891 491 83 A UI05DA 130,240 334 60 C <b>Latvia</b> YL2KO 571,020 1190 124 A YL2SM 300,803 1240 67 A YL2GVV 3,908 133 14 A YL2EC 113,716 336 94 C YL2GN (+ops) 204,680 778 90 D <b>Zone 30</b> <b>European Russia</b> UA4WHW 958,114 1542 163 A UW4WE 87,984 359 72 C UZ4WVA (RW4WA, UA4s WA, WAN, WAZ, ops) 877,195 1393 165 D <b>Asiatic Russia</b> UAS6G 120,120 408 70 A UJ2MS 24,211 292 31 A UJ9MMD 193,930 1048 55 B RA9C (UV9CAZ, UA9-154-2007, ops) 890,928 1311 112 D <b>Turkmenistan</b> UH8BO 7,866 101 18 C <b>Kazakhstan</b> UL78N 283,952 758 78 A UL8WB (UL7s BAY, BGX, UL7-016-588, ops) 585,714 1048 122 D <b>Kirghizia</b> UM5MG 83,884 268 67 B <b>Zone 31</b> <b>Asiatic Russia</b> UA9CA 639,600 1110 123 C RA9HO 24,540 103 60 C <b>Kazakhstan</b> UL7GG 318,354 748 97 C <b>Zone 32</b> <b>Mongolia</b> JT1/JI2MED 154,588 690 37 C JT1CD 102,718 432 58 C <b>Asiatic Russia</b> EX0S (UA0SAU, op) 1,101,168 1742 144 C <b>Zone 33</b> <b>Asiatic Russia</b> UA0UAG 90,709 307 71 C UA0DM 46,475 227 55 C <b>Zone 34</b> <b>Asiatic Russia</b> UW0LE 226,440 701 74 A UW0CA 20,128 187 32 A RA0FA 698,289 1110 137 C UA0IBB 162,270 455 90 C <b>Zone 35</b> <b>Asiatic Russia</b> UA0ZDA 252,648 665 87 C <b>Zone 36</b> <b>Canary Islands</b> EA8BWW 374,776 965 79 B EA8URL (EA1AK, op) 246,619 583 69 B EA8BGY 198,121 523 77 B EA8BWL 16,590 186 21 B <b>Zone 37</b> <b>Portugal</b> CT1BWW 78,000 392 50 B CT1QF 12,592 112 27 B CQ8M (CT18OH, op) 1,492,580 2358 165 C <b>Spain</b> AM7GTJ 129,872 967 36 A EA1EJX 3,480 45 20 A EA3GJ 155,952 572 72 B AM1GT 120,950 654 59 B EA3GFV 105,302 358 74 B AM1ET 29,232 148 58 B AM5DI 16,838 84 58 B AC01FD 15,479 211 23 B AM1FR 7,448 75 29 B AM25GHC/B 3,318 52 21 B EA5EYV 2,704 32 29 B AM5WU (EA5WU, op) 688,694 1374 141 C EA4EP 31,416 194 42 C EA3BOW 14,356 98 37 C EA3GF 840 22 12 C EG92C (EA3s ALD, AGC, GCI, GCV, ops) 1,043,832 2189 122 D EG92G (EA3s CGN, CWK, EJI, ops) 877,910 1563 118 D <b>Balearic Islands</b> EA8HU 14,474 207 46 B <b>Zone 39</b> <b>Israel</b> 4X4VF 2,310 110 21 B	<b>Cyprus</b> 5B4DA 1,601,600 2326 143 C C40R (5B4s ACY, WN, ops) 724,980 2531 119 D <b>Lebanon</b> OD5SP1MHV 43,552 587 32 A <b>Zone 41</b> <b>India</b> VU2NBT (AA4U, op) 481,869 1268 81 C VU2UR 22,645 153 47 C <b>Zone 44</b> <b>China</b> B24DJW 38,827 256 41 B <b>Korea</b> HL5BU 8,858 89 24 B HL8K (HL1TAXK, HL2ND, HL3EAT, HL4CGI, ops) 78,986 249 73 D <b>Zone 45</b> <b>Japan</b> JH7PKU 857,450 1843 110 A JH4UHW 500,500 1056 100 A JR4GPA 238,637 695 73 A JA6BF 184,705 467 85 A JA1KVT 150,689 427 77 A JQ1NGT 143,665 519 59 A JR3NZC 79,662 354 51 A JA1BUJ 70,756 229 76 A JA9YAV 48,906 290 57 A JL1MWJ 35,662 152 33 A JA3JT 17,070 128 30 A JY0ED 16,120 99 40 A JG1RDV 10,428 68 33 A JM1NKT 6,060 70 28 A JA6QDU 4,788 58 19 A JA2QVP 2,508 30 19 A JA3WFO 128 8 4 A JA7BEW 180,312 855 44 B JA3LDH 102,737 313 71 B JH7QXJ 83,946 345 81 B JH1JUT 82,215 281 63 B JA4DUD 54,114 209 58 B JL1DRX 38,138 208 42 B JH7LV 16,128 104 38 B JA9BOH 15,991 158 21 B JA0AD 13,780 100 32 B JM1LAW 13,440 100 32 B JH2WHS 11,129 87 31 B JA4DHN 8,680 65 31 B JA1ASO 8,435 47 33 B JA9GHC 5,825 51 25 B JA2BEY 5,319 47 27 B J71AJH (A18A, op) 4,416 46 24 B JQ1KDO 3,990 47 20 B JE5JVH 2,691 43 13 B JH1RMH 2,204 26 19 B JA1STY 2,147 27 19 B YK2DOD 1,764 22 18 B JQ1OCR 833 21 17 B JR1MRG 805 15 11 B JA1JLP 400 40 2 B JA2GHP 387 11 9 B JQ1MCC 130 6 5 B JF2PUM 123 9 3 B JR3KAH 3 1 1 B JA1NUT 658,696 1024 137 C JH7WQK 631,368 1248 108 C JADQNJ 388,816 1070 70 C JL2LOR 327,096 801 88 C JK1GKJ 171,928 381 106 C JE9UXR 137,880 431 72 C JA9CVJ 137,048 400 74 C JE2VJ 120,792 328 84 C JA5AFU 111,800 531 43 C JA1RJK 75,210 254 69 C JE4VRF 80,928 216 64 C JH5OXF 59,674 271 51 C JH0EPJ 55,872 366 32 C JA5DTP 54,219 236 53 C JH1OYN 48,919 207 53 C JA1BNW 48,640 248 40 C JA1WVQ 37,122 138 89 C JA4RA 36,885 135 85 C JR7CJO 23,220 124 45 C JA2EJL 16,154 94 41 C JR4SK 13,889 82 43 C JM6VWR 10,237 81 29 C JA2MOG 5,814 81 19 C JH8MCA 5,580 57 20 C JA0AXA 4,393 45 23 C JA1AAT 2,329 34 17 C JF18QC 1,512 24 18 C JA4AQZ 1,078 24 11 C J11LRD 1,046 26 11 C JH1NKJ 1,008 20 12 C JE3CVH 913 19 11 C JA4RTX 594 14 11 C JG1SVO 125 5 6 C JA1LHJ 105 5 4 C JA3YBF (JF4FUF, JG4CLV, ops) 680,208 1336 111 D <b>Zone 46</b> <b>Nigeria</b> N9MDW/5N6 48,675 283 35 B <b>Niger</b> 5U7M (JH4NMT, op) 923,670 1884 98 A <b>Zone 47</b> <b>Central African Republic</b> TL8G 57,168 322 36 B <b>Zone 48</b> <b>Kenya</b> 5Z4BI 1,033,985 1905 111 B	5Z4BI 17,255 109 35 B 5Z4TT 324,750 870 67 C <b>Zone 50</b> <b>Philippines</b> DU3HF 81,450 338 50 C <b>Zone 51</b> <b>Papua New Guinea</b> P99DX 801,800 1392 120 B <b>Zone 53</b> <b>Malawi</b> ZQ7XX 36,374 285 28 A <b>Zimbabwe</b> ZL1HS 29,184 248 24 C <b>Zone 54</b> <b>Indonesia</b> YB3ASQ 111,825 371 93 A YB7BYV 22,755 133 37 B YB3OSE 43,549 243 87 C YB2FA 21,887 123 37 C YB6ZZ (YC6MLU, op) 10,168 328 31 C <b>Zone 55</b> <b>Australia</b> VK8AV 146,124 390 81 C VK4TT 12,954 164 17 C <b>Zone 57</b> <b>South Africa</b> ZS6HO 4,510 47 22 B <b>Zone 58</b> <b>Australia</b> VK6AJ 109,311 277 83 C VK6BW 1,188 24 11 C VK8ANC (VK6s JIP, IKR, TVA, ops) 93,692 276 59 D <b>Zone 59</b> <b>Australia</b> VK2AY 137,724 414 59 A VK2APK 584,218 1023 118 C VK2AYD 169,998 408 87 C <b>Zone 60</b> <b>New Zealand</b> ZL2AGY 48,736 212 46 C ZL1AIZ 41,846 139 66 C <b>Zone 61</b> <b>Midway Island</b> NH6Y/KKH4 282 11 6 A <b>Hawaiian Islands</b> WV77/KH6 49,532 182 58 A NH8HF 2,372 123 34 A AH6JV 139,520 445 64 C NH8DV 6,153 81 21 C WH6BC (+AH6s IO, LV) 280,148 928 57 D <b>Zone 63</b> <b>French Polynesia</b> FO5W 510,600 1050 100 B FO9FR (WB6RZK, op) 54,600 372 30 B <b>Zone 64</b> <b>Guam</b> KH2T 26,096 172 28 C <b>Zone 65</b> <b>Federal States of Micronesia</b> V63GM 26,048 240 22 B <b>Zone 66</b> <b>Ascension Island</b> ZD8LI 1,037,088 2014 104 C <b>Checklogs</b> AM1FDI, AMSBZS, AM5DIT, AM5FXS, AM8BXO, CO2GB, CT1DUZ, DF5WN, DL1RPR, DL2HW, DL5LRA, DL8APJ, DL7UEO, HF6QK, IK3CB, JR1XKU, R1TN, K8FM, KARIN, LA1IE, LA7J, LU3HIP, LU8BE, LZ3BS, WH1A, GDBSH, OE1BL, OX8ML, OH8H, OK3TOX, ONSVF, OX3ZM, OZ5PA, PA6TV, PA6JW, PT2NP, PY2NE, PY3CJ, RA1AJ, RA3ZM, RA4HKS, RA4LAN, RA6J, RB5XW, SM3CSV, S4SMOJ, SM2NTU, SM3GOF, SM4BNC, SM5BBS, SM7MHG, SM6BDS, SP1AAQ, SP1BE, SP1DMD, SP2AHD, SP2EQZ, SP4CMV, SP5NOG, SP6AUJ, SP8CZ, UA1NDX, UA3KDF, UA4ASE, UA4NCI, UA4ZA, UA0SZ, UB4MQV, UB5XAN, UB6UW, UV3AIN, UV3CQJ, UZ3SH, OE1BL, WA1OGC, Y24CA, Y26SW, Y28YV, Y38ZM, Y33YN, Y38KP, YC6GPH, YC6CUU, YC6LV, YC7KJS, YC8FR, ZA1M.
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