

Results, 1979 IARU Radiosport Championship

The competition keeps increasing!

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

In retrospect, the Radiosport Championship, sponsored under the auspices of the International Amateur Radio Union (IARU), might have been overshadowed by the preparations that the member IARU societies were making for the World Administrative Radio Conference (WARC) of 1979, which at the time of the contest was just a few short months away. WARC, of course, is the conference held every 20 years where the radio frequency spectrum is "divided up" among the different users, worldwide.

We like to think that those operators who participated in the third annual IARU Radiosport Championship, held 14 and 15 July 1979, would not mind if we dedicated the results of this contest to those who worked so diligently on behalf of the world Amateur Radio community, through their IARU chapters, to help make the WARC so successful. Successful at least in the regard that Amateur Radio's position as a worldwide service was very firmly established. Amateur Radio's positions in the rf spectrum have been ably represented through the long hours and hard work of these IARU stalwarts. Thanks.

Radiosport III appears, at first glance, to be nearly a carbon copy of the 1978 contest. Of the 1513 logs received, 571 were from the U.S. and Canada and 942 from the rest of the world, as compared to 1467 entries (599 U.S./VE, 868 DX) in 1978.

Looking at the scores, top-10 listings on all modes are filled with familiar call signs from the 1978 contest. LU8DQ repeats as the top cw operator in the world. ZL1ADI again takes the worldwide mixed-mode honors, while CK7WJ continues as the world multioperator leader, just nosing out VK8BG in the process. Newcomer to the head of the phone top-10 listing is VP2ML. Last year's top U.S./VE phone man, K7RI, (fifth in the world) climbed to the number two spot, just behind 'ML.'

Seems the average scores are up 10 to 20 percent in most cases. If nothing else, this says



AA6DX, number two, mixed mode in zone 6.



The Aland Island DXpedition, OH0DX, scheduled to leave the island just as the Radiosport began, worked 320 of their 110,000 QSOs, in the contest, in four hours. Left to right are; OH2BH, Petrita, OH2BRW, and OH2BNP.

*Communications Assistant, ARRL

**Assistant Communications Manager, ARRL



I2MQP, top phone-mode-only from Italy.

that there were more stations to be worked with fewer operators willing or able to submit an entry. Contrary to the received figures, interest in working the Radiosport is growing. Witness the rather large jump in the number of multipliers (see the multiplier-leader box) available. We dare say that the FB conditions as we approach the peak of solar cycle 21 (what, no solar flare this year?) were what really made the high bands productive multiplier hunting grounds.

Three new members joined the IARU during 1979. The addition of the Fiji Association of Radio Amateurs (3D2), Cayman Radio Society (ZF) and Amateur Radio Club of Tonga (A3) brings the total to 107 members.

One of the keys to running up a big total in this contest is the multiplier total. Unlike many other worldwide contests, the multiplier is particularly important in this one. For example, top scorers have totals of about 2000 QSOs and 110 multipliers, meaning that one multiplier is worth 19 QSOs. Rather than working 50 stations per hour, if you could find three new multipliers, your score would have increased more. In other DX contests, a ratio of about six QSOs to one multiplier is average, making it more worthwhile to concentrate on QSO totals.

Those who ran up the big multiplier totals had to spend extra time at sunrise and sunset to catch the rare ones, to endure the QRN on the low bands, and the limited summertime 10-meter openings. Twenty and 15 meters proved to be the bands to run up big multiplier totals, with 24-hour DX.

SOAPBOX

Almost made myself a crispy critter while fixing an 1100-foot-long beverage antenna during an electrical storm. AA3B nearly got a new hairdo moments later when lightning came down the rotator cable. Amidst the confusion of blue light and deafening arcs, we were sure that the dreaded Wouff Hong had arrived (The K3FD crew). Thirty six hours seems like a long time. I must be getting old. I ran across KA2DX, zone 45, calling CQ — with no luck — a victim of the new call assignments (K9NE). Last year on contact number seven, only five minutes into the contest, my finals went. This year I didn't even plan to participate . . . 33 hours and over 1000 QSOs later, I was still in there. The scoring format is interesting and motivates the participant to search for multipliers and DX QSOs. On the other hand, when conditions go to pot, you can still get in some stateside activity (KB8EC). This was my first international contest. I could only work about 22 hours on the high bands. However, I was able to make contacts with many DX stations and worked two new ones towards my DXCC, using only 300 watts and a homemade ground-plane antenna for 14, 21 and 28 MHz (ISJFG). Great contest, but I still deplore the many "5-9" reports. Too many "repeat

Top Scorers

Phone and CW

ZL1ADI
G3FXB
VE7CC
UA1DZ
UB5MCS
WB5NXH
W1NG
UV5OO
N3RD
VE7CMK

2,015,384
1,502,875
1,277,822
1,093,064
1,086,512
953,042
874,104
865,278
860,860
852,235

3031 136
2485 125
2871 118
2029 123
2129 112
2394 113
1662 132
1909 106
1894 110
2201 105

Phone

VP2ML
K7RI
5L2AV
UB5WE
UR2QD
W9RE
HA5NP
KP4EHP
WA1TFF
HB9BAM

1,511,880
1,380,080
1,333,644
1,172,626
891,204
804,843
804,816
763,920
663,612
631,722

3560 120
3362 104
2602 103
2813 91
2229 92
1806 117
2018 92
2595 90
2058 102
— 89

CW

LU8DQ
UP2NV
K1KI
UR2QI
W1RM
N2LT
UA4WPX
W1RR
N4KG
K6LL7

1,386,948
1,075,522
947,702
760,084
725,040
720,120
682,180
657,459
631,444
621,716

2267 123
2166 119
1578 139
2049 94
1635 114
1680 102
1413 115
1749 99
1443 113
1836 94

CK7WJ
VK8BG
UK2GKW
UK1AAA
UK2BBB
DT7DK
UK5MAF
UK2PCR
KL7D
G3XBN

2,870,544
2,847,564
2,325,862
1,935,076
1,908,012
1,860,093
1,795,955
1,786,722
1,575,385
1,526,294

4628 158
3523 166
4192 121
3079 143
3169 141
3744 113
3521 115
3222 133
3273 115
3036 106

Multiplier Leaders

Phone and CW

ZL1ADI
W1NG
G3FXB
UA1DZ
UA9MS

Total
136
132
125
123
120

100
3
1
3
—

80
4
13
17
10

40
27
43
41
15

20
48
33
39
39

15
34
16
7
35

10
20
22
—
11

6
—
1
—
—

CW

K1KI
LU8DQ
UP2NV
UA4WPX
W1RM

139
123
119
115
114

100
—
6
—
3

80
14
12
9
11

40
25
27
20
14

20
47
30
41
39

15
36
31
36
34

10
16
23
9
12

6
—
—
—
—

Phone

VP2ML
W9RE
K7RI
5L2AV
WA1TFF

120
117
104
103
102

100
1
—
—
—

80
12
7
6
6

40
35
15
9
16

20
33
42
34
37

15
26
30
29
28

10
—
10
24
15

6
—
—
—
—

Multioperator

VK8BG
CK7WJ
N4WW
UK1AAA
UK2BBB

166
158
148
143
141

100
1
3
7
5

80
6
15
11
14

52
26
21
16
24

47
51
46
48
49

44
45
40
50
38

5
2
—
10
11

info" four or five times QSOs. What happened to honest reporting in contests? (N4UH). I am appreciative of the fact that this is the only contest in which a maritime mobile station may participate. Wunderbar . . . the ships antenna amplifier system has a trap that is very effective for only 15 meters. The captain requested me to make the maximum operation on that band and to limit my time on 20 and 10. Thus my multipliers are way down on 10 and 20 meters . . . Hope some year to be in a zone that has no land areas in it, making me the only multiplier there . . . that would be worth a 30-hour effort instead of the less than 14 hours that I was on this time out . . . Am looking forward to many more Radiosport Championships . . . P.S. also got my own zone without working the captain, whose rig is in the cabin next to mine, Sea Room . . . not sporting to do so Hi! (WA7ZLC/mm Region 1). Worked at a real disadvantage — borrowed rig and inverted Vee antennas. Saturday morning, WB6WWY brought over some RG-58 and I got a vertical working. It didn't really help except to get me two extra "qs" on 10 meters and a couple of dB on some 15-meter stations. Next year, I'll either have a beam antenna or a jillion more ground radials on the vertical (the roof already looks like a spider went berserk up there.) (W2KVA/6). I didn't work too much DX outside of Europe (N4ZG). I would never have gotten on for this contest except that I had dropped a bottle of pure sulphuric acid on my arm at work. The contest was a great distraction from the pain (K1BE). Incredible conditions Saturday on 15 meters. Both Japan and Europe coming in simultaneously during a 12-hour

period! (AA4M). Despite losing out to WB0ZGD by 5k points, I enjoyed the contest. Didn't seem like Radiosport, though, without an HF blackout! (WD0ELL). Please print a list of the post office state abbreviations for all those who sent me QSL cards for Maine. MA stands for Massachusetts (K1ST). Lost a lot of sleep and tried to squeeze in some operating time between shifts at work (W7LPF/DU2). For some reason, QSO rates almost doubled when I changed my general call from "CQ TEST" to "CQ RS". I assume RS stands for Radiosport as it does in the name of the Soviet Amateur Satellites (WB1ANT) . . . I did manage to catch a KL7 to complete (finally) my WAS. Other new countries included J6, ST5, SL2 and a near miss on a 5N2. It was a productive weekend at 'YSW. Guess I'll be working the next contest (SS) from WIMX. Have fun checking all those logs! Remember, it's only once a year (WA3YSW). (Once a year is more than enough — logchecker). This was my first contest and I didn't make very many QSOs, but I did make some strides towards my DXCC and WAS. Also got my 10-X number from QSOs made in this contest (WD4HSA). Had just recovered from Field Day when this contest came along. It took a couple of weeks to get the strength to go through all the paperwork to figure out my score. Hi! (WD0FGY). Don't know how the cw boys do it . . . nobody sends the other station's call . . . At least in the beginning and at the end of the transmission, each station should send both calls, but I couldn't find too many guys willing to take the time . . . rather send CQ TEST for 15 minutes straight (KZSHI).

Scores

Scores are listed by ITU zone, then by country within that zone. The line score (example — DM3BF 211,919-803-73-B) indicates the call sign used, total score, number of contacts, number of ITU zone multipliers, and entry class. The entry class letters are A — single operator, mixed mode; B — single operator, cw only; C — single operator, phone only; D — multioperator, single transmitter.

Almost Too Late

Zone 28	HA4YU	16,776	-132	36-A	HA5LN	33,195	216	-215	B	HA7UL	1463	42	-11-B	HA7KSV	383,724	-1366	-66-D
	HB6KGX	5628	-126	14-A	HA7TM	28,875	372	-216	B	HA2MG	1140	34	-10-B	HA1KSA	311,524	-1053	-66-D
	HA8EK	313,140	-914	85-B	HA2MN	14,160	188	-202	B	HA3GO	845	37	-5-B	HA2KRZ	242,624	-923	-68-D
	HAITJ	218,178	-832	62-B	HA3NU	10,972	258	-138	B	HA3GJ	364	31	-4-B	HA8KAZ	209,022	-817	-68-D
Hungary	HA5LZ	144,210	-518	69-B	HA5BA	10,494	131	-224	B	HA4XH	264,808	-782	-79-C	HA3KHC	168,406	-903	-66-D
	HA5MC	144,210	-518	69-B	HA15X	6544	127	-168	B	HA4AD	24,250	125	-23-C	HA5KJD	105,224	-548	-49-AD
	HA5NP	127,765	-408	49-B	HA1LL	9507	127	-168	B	HA5KFL	1,314,190	-275	-102-D	HA3KHB	15,702	-140	-26-D
	HA@DU/9	804,816	-2018-	92-A	HA1ZG	50,796	307	-38-B	B	HA5KAX	8820	160	-104-B	HA4KYH	454,790	-1464	-33-D
	HA5KBM	23,770	-166	34-A	HA6OA	41,495	281	-43-B	B	HA3PT	1872	74	-8-B	HA1KZZ	423,873	-1336	-81-D

K4P4H	55,728- 282- 54-A	WB8KKI	111,333- 645- 59-B	Canal Zone	SM9ATN	6058- 37- 26-C	DM3BF	285,105- 919- 83
WA4GTS	51,788- 329- 44-A	AAB5	86,140- 486- 59-B	KZ5HI	SM5CSS	3542- 37- 22-C	DM3XK	109,200- 518- 56
K4V4Y	45,752- 132- 18-A	N8GC	71,852- 420- 46-B	Guatemala	60,686- 517- 38-A	DM2CR	72,325- 388- 55	
K4BAI	319,396- 1167- 77-B	WB8QOC	44,296- 220- 49-B	TG9ML	196,900- 1004- 55-B	DM3NKF	62,050- 448- 38	
AA4UO	138,653- 671- 61-B	K8MR	33,152- 276- 32-B	Montserrat	196,900- 1004- 55-B	DM2DE	33,970- 210- 30	
KB4HZ	41,120- 364- 40-B	K8DL	24,210- 150- 45-B	Bermuda	196,900- 1004- 55-B	DM2DHE	15,300- 136- 28	
WB4LWRB	47,453- 278- 50-B	WB8GMP	11,875- 253- 19-B	PV9IB	260,268- 1401- 69-A	DM2GHL	12,300- 104- 22	
K4A4T	33,820- 259- 38-C	WB8AO	4,411- 111- 15-B	El Salvador	1,093,064- 2029- 123-A	DM2DUD	12,034- 177- 22	
K4AC	33,820- 259- 38-C	WB8VTR	3135- 43- 15-B	YS1GMV	165,240- 1010- 45-C	DM2FTL	6064- 93- 16	
N4BFA	23,712- 271- 32-C	AFBC	306- 23- 6-B	VPM2L	1,151,880- 3560- 120-C	DM2CJA	6048- 127- 16	
WA4OPV	19,720- 124- 40-C	WB8VPA	47,823- 257- 57-C	VPM2MFA	1,202,079- 4046- 87-D	DM4ZEL	5543- 58- 23	
WD4IC	4356- 33- 33-C	WD8MHK	32,472- 251- 36-C	UA1YZZ	126,266- 607- 58-B	DM4ZEE	5448- 44- 38	
WD4NAE	2325- 69- 15-C	WB8LKG	22,515- 95- 57-C	UA1ZCX	221,301- 257- 64-B	DM4SF	5296- 56- 19	
WD4ALD(+W4LQD)	85,355- 315- 71-D	N8AKF	9801- 101- 27-C	UA1CQBQ	17,314- 182- 28-B	DM4TOM	2403- 67- 16	
W4MGX(+Net)	82,200- 425- 50-D	WB8JLW	1,000- 18- 29-C	UK1AAA	1,935,076- 3079- 143-D	DM2CMA	1932- 48- 14	
WB4BDP(+W4AUVN,WD4AACO)	61,705- 595- 43-D	K8URE(+WA8EEA,WB8ENR,NG9AG)	615,162- 1420- 111-D	VPM2M	1,093,064- 2029- 123-A	DM4WH	1746- 40- 9	
Kentucky	WB4AQM	108,927- 555- 57-A	K8URE(+WA8EEA,WB8ENR,NG9AG)	MMW Y1J,WD8JL (OTO)	DM3VN	1656- 50- 12		
WA4RRJ	107,750- 515- 50-A	WB8VLR	647,520- 1767- 96-D	DM2CHN	108,750- 104- 23			
WA4OBL	33,282- 254- 43-A	WB8VTR	1,093,064- 2029- 123-A	DM3PAA	768- 6- 6			
N4XM	207,142- 899- 62-B	WB8KAC	14,322- 156- 31-C	DM4XCE	192- 10- 6			
W4YDL	16,456- 208- 22-B	K8BFJ	14,322- 156- 31-C	DM4TK	17,100- 152- 25			
WB4OSS	112,056- 346- 84-C	WB8VTR	169,644- 840- 67-D	DM4WZA	16,092- 134- 27			
WA4PAB	66,352- 447- 44-C	WB8VTR	169,644- 840- 67-D	DM2BRK	8930- 140- 19			
North Carolina	WA4GMQ	108,927- 555- 57-A	WB8VTR	169,644- 840- 67-D	DM4ZDB	9,210- 104- 23		
WA4RRJ	107,750- 515- 50-A	WB8VTR	169,644- 840- 67-D	DM5B9	9314- 83- 23			
WA4OBL	33,282- 254- 43-A	WB8VTR	169,644- 840- 67-D	DM2FBN	6612- 84- 19			
N4XM	207,142- 899- 62-B	WB8KAC	169,644- 840- 67-D	DM2FLN	6345- 121- 15			
W4YDL	16,456- 208- 22-B	K8BFJ	169,644- 840- 67-D	DM5TGL	2639- 51- 13			
WB4OSS	112,056- 346- 84-C	WB8VTR	169,644- 840- 67-D	DM2C1B	774- 39- 6			
WA4PAB	66,352- 447- 44-C	WB8VTR	169,644- 840- 67-D	DM5WV	201- 10- 6			
Illinois	9	Venezuela	VV1OB	341,767- 1023- 67-B	DT7DK	1,860,933- 3744- 113		
AA4NC	166,708- 707- 71-B	K9RF(F9KL,opr)	47,995- 196- 62-C	DM3GM	1,002,150- 2307- 102			
AB4Z	148,488- 561- 69-B	K9RF(F9KL,opr)	19,200- 165- 20-C	DM4YK	229,604- 1010- 61			
KJ4VS	135,184- 547- 56-B	K9RF(F9KL,opr)	19,334- 98- 34-C	DM5BA	138,714- 707- 61			
WB4ERM	60,892- 448- 56-B	A9AD	149,075- 765- 67-A	DM4FA	22,904- 287- 28			
WA4TNT	28,000- 160- 11-B	K9BG	133,666- 433- 97	Switzerland	145,984- 629- 64-B			
N4UH	1752- 50- 12-B	WB9QWM	57,702- 326- 59-A	HB7AW	28,282- 215- 40			
WD4AAM	526,870- 1476- 95-C	N9AQ	46,176- 258- 52-A	HB9DX	22,294- 62- 19			
WD4AVY	89,648- 556- 52-C	K9HRY	39,312- 264- 52-A	HB9ASQ	2158- 45- 13-B			
WA4QOM	48,457- 273- 42-C	A9AF	35,343- 198- 51-A	HB9BAM	631,722- -89-C			
WA4YNP	1824- 54- 12-C	K9GS	5697- 119- 27-A	Italy	145,984- 629- 64-B			
WB4ER(+N4AVV,KB4FQ,WB4Bs)	WB4ER(+N4AVV,KB4FQ,WB4Bs)	WB9TIV	3264- 75- 16-A	I4JCC/5	94,223- 454- 54-A			
FHI SX(X,W4DH4V)	111,120- 560- 48-D	K9MK	470- 15- 10-A	I5JFG	302,438- 1115- 67-B			
WD4MKQ(+N4BQW)	4338- 92- 18-D	WB9OA	111,440- 488- 56-B	170PVX	100,455- 575- 55-B			
Northern Florida	9	Brazil	PV9ZLC	65,576- 281- 56-A	I5YDQ	38,787- 333- 55-B		
N4ARP	5940- 145- 20-A	WD91IC	33,796- 294- 34-B	DM6CP	130,000- 554- 85-C			
WA4TWT	3275- 59- 25-A	WB9REC	10,846- 90- 88-B	I6CSP	18,704- 65- 17-C			
WD4MKQ(+N4BQW)	32,876- 299- 36-C	WB9RN	3,952- 54- 20-B	I3EJ	6562- 84- 17-C			
N4B1U(+N4KE4,WA4N3A,WB4YFF)	3895- 45- 19-C	WB9RM	2720- 46- 20-B	Sardinia	108,584- 564- 83-D			
N4B1U(+N4KE4,WA4N3A,WB4YFF)	1,303,528- 2487- 148-D	K9D9OK	615,077- 1779- 97-D	I5XIE	38,410- 481- 51-B			
N4B1U(+N4KE4,WA4N3A,WB4YFF)	1,303,528- 2487- 148-D	K9SD9/+VE3CDP,K9s BGL DZY FU	WB9RW(+K8KIX,WB9IWN)	I5QOMH	94,696- 481- 51-B			
WD4HNY(+WA3UBA,WB4M4RS)	522,144- 2209- 84-D	WB9RW(+K8KIX,WB9IWN)	405,888- 1220- 96-D	Bulgaria	31,892- 273- 34-A			
WD4NZV(+N4BLL,WA4ZIL,WA4ZIL)	251,181- 1633- 63-D	WB9RW(+K8KIX,WB9IWN)	304,138- 1071- 82-D	L21YE	124,564- 873- 44-B			
WD4SGB(+N4ZGJ,WB4SMD)	190,402- 924- 74-D	K9B9R(+N9LE)	127,110- 698- 57-D	L22KXW	36,972- 438- 26-B			
KB4CD(+N4XH4,WB4SMD)	181,675- 801- 63-D	K9B9R(+N9LE)	127,110- 698- 57-D	L21KOZ	1,950- 113- 18-B			
WD4CNO(K9J1)	327,132- 1340- 78-D	K9B9R(+N9LE)	127,110- 698- 57-D	L22ZG	1,200- 112- 64			
South Carolina	WA4VXG	201,498- 611- 86-A	Indiana	PTZLS	L22ZKPB	49,802- 370- 37-C		
WA4VUY(K9EJ,opr)	7896- 278- 14-A	N9NM	585,486- 1420- 99-A	L21KZKW	108,584- 564- 83-D			
N4ZG	48,342- 353- 42-B	K9CLO	275,265- 993- 84-A	L21KZKD	83,164- 639- 34-D			
WA4YUU	31,900- 201- 44-C	K9FN	288,464- 806- 88-B	Czechoslovakia	145,955- 1559- 93-A			
Southern Florida	K9NE	8211- 119- 23-C	K9RFW	89,216- 432- 64-B	I5XIE	38,410- 481- 51-B		
K4LQ	52,182- 157- 78-A	N9FA	89,216- 361- 22-B	I5QOMH	94,696- 481- 51-B			
WA4FYZ	24,416- 306- 32-A	WB9U(W3EP,opr)	82,323- 161- 22-B	Bulgaria	31,892- 273- 34-A			
N4B4V	416,910- 170- 61-A	WB9U(W3EP,opr)	57,362- 341- 46-C	DM3CJO	31,892- 273- 34-A			
WA4OML	58,050- 378- 43-B	WB9WE	37,796- 235- 44-C	DM3ESF	262,203- 929- 71-B			
K4PB	42,228- 206- 46-B	WB9WIN	8211- 119- 23-C	DM6NKB	19,126- 200- 20			
WA4LWL	46,800- 264- 50-C	WD9DH	7061- 81- 23-C	DM6NQK	72,408- 385- 48-B			
WD4FG1	23,746- 374- 31-C	WB9DH(+K9BHX)	25,868- 292- 29-D	DM6NQZ	62,568- 347- 44-B			
KD4M(+KD4S,WB4BQZ,YRW,WA4N3A)	327,132- 1340- 78-D	WB9WTF	56,100- 410- 55-A	DM6NQZ	22,340- 194- 30-A			
Tennessee	K4BEX	52,180- 63- 18-A	WB9WTF	4186- 100- 23-A	OK2BLG	371,772- 1023- 92-A		
AA4AK	123,039- 643- 63-B	K9WEA	56,100- 410- 55-A	OK2QX	236,447- 97- 79-A			
N4IR	74,440- 559- 40-B	WB9VSM	36,480- 283- 48-B	OK2TB1	134,461- 548- 55-A			
WB4FEC	46,784- 309- 43-B	WB9VSM	53,318- 282- 53-C	OK2TB2	14,208- 385- 48-B			
K4AR	44,160- 270- 46-B	WD9GR	34,374- 258- 51-C	OK2TB3	14,208- 385- 48-B			
K4OAQ	12,470- 209- 29-B	WB9VTR	16,770- 265- 26-C	OK2TB4	14,208- 385- 48-B			
WD4HUT	20,398- 261- 31-C	WB9VTR	27,093- 251- 33-C	OK2TB5	14,208- 385- 48-B			
Virginia	114,305- 387- 68-A	WB9VTR	82,323- 161- 22-B	OK2TB6	14,208- 385- 48-B			
WA3NGL/4	57,408- 298- 52-A	WB9VTR	82,323- 161- 22-B	OK2TB7	14,208- 385- 48-B			
N4FS	56,264- 272- 52-A	WB9VTR	82,323- 161- 22-B	OK2TB8	14,208- 385- 48-B			
K4PQL	57,945- 1409- 95-B	VE1BNM	23,939- 422- 42-B	OK2TB9	14,208- 385- 48-B			
AA4AM	402,910- 1141- 86-B	VE1BNM	69,384- 422- 42-B	OK2TB10	14,208- 385- 48-B			
W4XDM	13,333- 278- 42-B	VE1BNM	51,170- 421- 43-B	OK2TB11	14,208- 385- 48-B			
WD4FC	22,700- 50- 42-B	VE1AXT	38,824- 196- 46-B	OK2TB12	14,208- 385- 48-B			
N4XD	96,971- 503- 49-C	VO1AV	38,280- 216- 44-B	OK2TB13	14,208- 385- 48-B			
N4MM	69,504- 273- 64-C	VE1BLG	16,956- 170- 27-B	OK2TB14	14,208- 385- 48-B			
WB4NFO	45,115- 283- 35-C	K6N9N/VE1	2,020- 87- 82-C	OK2TB15	14,208- 385- 48-B			
WB4PIQ	34,047- 261- 39-C	VE1UNB(VE1s BEC BH4A oprs)	490,131- 1584- 81-D	OK2TB16	14,208- 385- 48-B			
N4BDM	8649- 85- 31-C	WB9VTR	1092- 18- 14-C	OK2TB17	14,208- 385- 48-B			
N4DW(+KA4AH4,KB4EX,WA4X4)	EA2SCE,WB4PAT	WB9VTR	1,463,908- 2843- 18-D	OK2TB18	14,208- 385- 48-B			
K4F4(+KM4ZK,WA4K5Y,OVG,OHG)	423,948- 1438- 98-D	VE2RV	144,240- 596- 60-B	OK2TB19	14,208- 385- 48-B			
N4HB(+N4ZJ,WB4BVsY)	228,735- 946- 69-D	WB9VTR	1,463,908- 2843- 18-D	OK2TB20	14,208- 385- 48-B			
WD4HUT	150,394- 642- 58-D	WB9VTR	1,463,908- 2843- 18-D	OK2TB21	14,208- 385- 48-B			
8	DX	Aland Islands	W1XX/OH9	402,600- 1656- 66-A	Poland	278,282- 1035- 65-D		
Michigan	Zone 10	Denmark	WD9DX	31,200- 320- 20-D	OK2TB22	107,991- 598- 39-C		
AC8Y	223,443- 1113- 61-A	XE1LLS	143,195- 601- 65-C	OK1DKS	28,008- 188- 36-C			
KB8EC	202,232- 1072- 68-A	XE1ZZA	118,095- 575- 61-C	OK1JBL/P	17,668- 135- 28-C			
K8CC	117,715- 508- 65-A	XE1R	36,150- 287- 30-C	OK2KJ	6460- 88- 20			
WD8BDU	63,856- 382- 52-A	WB8KXN	1,000- 100- 20-B	OK2KJH	6460- 88- 20			
WD8DXN	27,869- 322- 31-A	WB8KXN	50,588- 289- 28-B	OK2KJL	6460- 88- 20			
WD8ECT	22,330- 264- 35-A	WB8KXN	31,680- 174- 20-B	OK2KJN	6460- 88- 20			
WA8RRR	306,504- 1143- 72-B	WB8KXN	29,952- 262- 26-B	OK2KJQ	6460- 88- 20			
K8BEQ	51,515- 281- 42-B	WB8KXN	1,000- 100- 20-B	OK2KJU	6460- 88- 20			
K8DU	23,868- 225- 36-B	WB8KXN	50,994- 57- 24-C	OK2KJY	6460- 88- 20			
N8BEA	11,781- 220- 17-B	WB8L	2717- 67- 11-C	OK2KJZ	6460- 88- 20			
K8CR	65,016- 324- 54-C	WB8L	911- 20- 18-C	OK2KMR	12,035- 1339- 104-D			
KB8BE	59,339- 360- 52-C	WB8L	1,000- 100- 20-B	OK2KMS	22,760- 100- 65-D			
K8BY	53,739- 360- 52-C	WB8L	50,994- 57- 24-C	OK2KMT	22,760- 100- 65-D			
K8ZZU	41,790- 251- 42-C	WB8L	2,000- 200- 20-C	OK2KNU	64,040- 32- 15-D			
AD8X	37,367- 274- 43-C	WB8L	50,994- 57- 24-C	OK2KPV	20,400- 32- 15-D			
K8OTB(+N8KJ,K8S,TU WS,K8As)	ETH ETI,WD8RIN	WB8L	2,000- 200- 20-C	OK1KIR	11,288- 22- 12-D			
204,476- 803- 68-D	J6LIR	119,658- 1053- 37-A	OK1KIR	11,288- 22- 12-D				
Ohio	Puerto Rico	Sweden	SM5BDV	10,075- 77- 31-B	OK1KCF	553- 21- 7-D		
WB8JBM(WB8DQP,opr)	K4P4V	Panama	SM9GNQ	1,000- 100- 20-B	OK1KCF	553- 21- 7-D		
K8HV	167,068- 709- 76-A	WB8KTR	356,265- 1107- 87-B	OK2KJ	64,882- 319- 44-A			
WB8ALG	142,880- 829- 55-A	WB8KTR	66,180- 100- 20-B	OK2KJH	32,705- 243- 39-B			
WB8FN	169,344- 626- 64-B	WB8KTR	2,000- 200- 20-C	OK2KJL	32,705- 243- 39-B			
K41IF/KP4	25,740- 220- 36-C	WB7CZC	88,200- 398- 30-B	OK2KJN	32,705- 243- 39-B			
K41IF/KP4	23,040- 220- 36-C	WB7CZC	50,952- 306- 45-B	OK2KJQ	29,146- 217- 38-C			
K41IF/KP4	23,040- 220- 36-C	WB7CZC	50,952- 306- 45-B	OK2KJU	29,146- 217- 38-C			
K41IF/KP4	23,040- 220- 36-C	WB7CZC	50,952- 306- 45-B	OK2KJY	29,146- 217- 38-C			
K41IF/KP4	23,040- 220- 36-C	WB7CZC	50,952- 306- 45-B	OK2KJZ	29,146- 217- 38-C			
K41IF/KP4	23,040- 220- 36-C	WB7CZC	50,952- 306- 45-B	OK2KJZ	2			

SP9BRO	5994-	91- 18-D	UK5MAF	1,795,955- 3521-115-D	Kirghiz	JA8DIO	33,618- 290- 26-B
Greece			UK5GDE	1,003,400- 208- 89-D	UM8NNN	JE2KPM	21,385- 140- 35-B
SV1IW	55,125- 339- 45-C		UK5IB	700,772- 208- 89-D		JA1DNZ	19,641- 117- 36-B
SV1JG	44,802- 378- 38-C		UK5ZAC	464,958- 1696- 78-D		JR1HWW	11,500- 109- 23-B
Romania			UK5JAF	155,328- 749- 64-D	Zone 32	JA6PYM	15,982- 21- 15-B
Y08FZ	67,230- 334- 45-A		UK5SSG	125,552- 607- 59-D	Asianic R.S.F.S.R.	JA3BCT	1425- 21- 15-B
Y08VZ	47,515- 336- 43-B		UA900	47,196- 422- 38-D	UA9SGL	JA1KKA	640- 22- 5-B
Y08FR	149,534- 558- 77-B		UC2WAZ	28,249- 311- 18-D	UA9ACM	JA7ECL	836- 11- 1-B
Y08DD	75,600- 484- 48-B		UC2WBL	6300- 114- 18-D	UA9ASY	JR1GHT	3- 1- 1-B
Y08ARQ	12,410- 196- 17-B		UC2CE	128,148- 644- 59-B	UA9AAC	JR1HWW	467,441- 1265- 78-C
Y09YE	9540- 150- 18-B		UC2CE	40,180- 360- 35-B	JA7DOT	67,431- 370- 38-C	
Y09PD	6544- 107- 16-B		UC2ACT	33,210- 285- 41-B	JA6CM	61,152- 264- 49-C	
Y09RF	41,200- 231- 25-B		UC2OBA	29,238- 309- 33-B	JR1WGO	26,775- 129- 45-C	
Y04CAH	1750- 107- 7-B		UC2OBM	28,210- 262- 31-B	JR1GPO	21,216- 264- 29-C	
Y08CEZ	1589- 111- 7-B		UC2WBM	25,916- 308- 31-B	JA1DO	20,619- 337- 29-C	
Y03BYF	1022- 56- 7-B		UC2ZAF	19,980- 220- 30-B	JH1HUT	18,415- 164- 29-C	
Y03CDN	236- 19- 4-B		UC2ZAF	30,000- 261- 30-B	JA6PL	10,000- 143- 23-C	
Y04AYE	8700- 86- 30-C		UC2OBI	3010- 95- 14-B	JA5BEN	8,821- 110- 22-C	
Y06BTY	26- 9- 2-C		UC2AF	1360- 37- 10-B	JK1JSB	8778- 90- 64- 18-C	
Y06KEB	64- 16- 2-D		UC2AF	2365- 63- 11-C	JL1EBL	5400- 64- 18-C	
Yugoslavia			UK2CAZ	16,276- 75- 52-D	JA9QDU	5220- 18- 18-C	
YU1ELM	408,645- 1258- 81-A	Azerbaijan			JA9FMB	4440- 50- 20-C	
YU2OB	117,850- 520- 78-A				JH5GYG	3,933- 43- 17-C	
YU1NZW	113,640- 464- 66-A				JA9JKL	2184- 90- 12-C	
YU1OGL	219,730- 821- 70-B				JA3FZL	2160- 34- 15-C	
YU4WVQ	59,400- 264- 55-B				JA1JIS	1708- 19- 14-C	
YU1SF	1222- 32- 13-B				JH2LQ	1392- 19- 16-C	
YU1KWX	689,409- 1742- 93-D				JF2FHQ	11,500- 24- 12-C	
Zone 29							
European Russian S.F.S.R.			UG6GAT	126,730- 573- 58-B	Georgia	JF2KQV	228- 18- 6-C
UA3ST	140,868- 586- 63-A		UK5ODA	31,929- 29-B	UA9NR	67,948- 364- 46-B	
UA1JU	63,168- 372- 47-A		UD6CN	1715- 83- 7-B	UA9DP	5472- 82- 18-B	
UA3VF1	53,691- 447- 37-A		UD6DLJ	16,733- 197- 29-D	UA9ACD	5406- 76- 17-B	
UA4CM	28,78- 266- 37-A		UD6BW		UA9CF	3020- 135- 16-B	
UA3DLN	11,575- 25- 25-A		UK6DAJ		UA9CDM	3399- 52- 16-B	
UA1WBL	8920- 134- 20-A	Lithuania			UA9LEO	122,640- 651- 48-C	
UW3HV	610,130- 1569- 97-B		UP2BAO		UA9CCW	18,368- 78- 56-C	
UW3UO	266,463- 979- 71-B		UP2BA	58,812- 307- 32-B	UA9FAD	131,657- 1052- 31-D	
UA4CDC	196,650- 885- 69-B		UP2BB	24,846- 231- 28-B	JH1YAA	255,512- 76- 78-D	
UA2ZT	178,70- 70- 7-B		UP2BB	11,460- 21- 19-B	JA9YCW	30,415- 143- 42-D	
UA3LAB	198- 79- 7-B		UP2BNV	1,075,522- 2166- 119-B	JR1YKP	24,108- 146- 42-D	
UA3AGL	171,912- 900- 53-B		UP2BEL	119,000- 706- 52-B			
UA3DCG	118,985- 701- 53-B		UP2GF	108,438- 693- 53-B			
UV3WT	118,314- 496- 63-B		UP2BF	69,574- 537- 43-B			
UA3GGO	111,756- 472- 62-B		UP2DT	58,812- 307- 32-B			
UA3WBA	97,632- 511- 48-B		UP2DV	23,496- 231- 28-B			
UA3PK	87,906- 508- 48-B		UP2AW	14,345- 217- 19-B			
UA3ZP	87,906- 508- 48-B		UP2BE	9087- 317- 13-B			
UA3SBW	84,396- 503- 52-B		UP2BEX	3890- 182- 10-B			
UA4ACA	68,453- 401- 49-B		UP2BDV	3600- 180- 10-B			
UA3RDH	65,385- 503- 45-B		UP2BGK	296,946- 120- 78-C			
UA3AAH	68,645- 349- 45-B		UP2BK	100,000- 200- 10-B			
UA3GO	48,601- 275- 53-B		UP2AV	7088- 116- 21-C			
UA3PT	38,304- 234- 42-B		UP2AV	3598- 99- 14-C			
UA1ATAT	33,888- 334- 32-B		UK2BBB	1,908,012- 316- 141-D	Zone 36		
UA4NEED	30,052- 402- 28-B		UK2PCR	1,786,722- 322- 133-D	UA9ZCR	236,670- 879- 70-B	
UA4YAT	29,069- 170- 41-B		UK2PAQ	331,917- 1145- 83-D	UA9ZBW	70,356- 398- 41-B	
UA1DF	29,069- 160- 37-B		UK2BBQ	38,640- 330- 35-D			
UA1AK	25,46- 393- 18-B	Latvia					
UW5OE	15,000- 297- 24-B		UQ2GDM	52,847- 339- 43-B	Zone 37		
UA6LDF	22,806- 307- 21-B		UQ2GAB	30,360- 314- 22-B	EA2OP	22,338- 169- 34-B	
UA3AJA	22,775- 299- 25-B		UQ2GID	29,233- 380- 23-B	EA3AIN	42,079- 1338- 73-C	
UA4NEJ	21,804- 309- 23-B		UQ2GEC	21,392- 311- 28-B	EA7ABO	90,882- 386- 48-C	
UA3AEZ	16,874- 271- 26-B		UQ2MU	84,266- 570- 37-C	EA4WC	23,409- 27- 24-C	
UA3EX	21,122- 88- 12-B		UQ2GW	2,325,862- 4192- 121-D	EA4HD	15,498- 199- 18-C	
UA3EAT	1224- 43- 9-B				EA7ABV	6060- 116- 15-C	
UW3CE	76- 7- 4-C				EA7APD	5320- 123- 14-C	
UA3SH	102,723- 503- 48-B		UR2RQE	65,340- 263- 54-A	Portugal	529,632- 1708- 72-B	
UV3CE	10,080- 26- 26-B		UR2RHF	760,084- 204- 40-B	CT4OQ	50,986- 264- 53-B	
UA3TN	59,985- 253- 55-C		UR2RHF	63,360- 487- 40-B	Spain	529,632- 1708- 72-B	
UA6AKB	37,160- 285- 40-C		UR2CR	4381- 106- 13-B	EA3LS	1300- 30- 13-C	
UA4NAA	22,765- 231- 29-C		UR2QD	891,204- 2229- 92-C	Zone 38		
UV3CS	21,034- 267- 26-C	Estonia			EA2OP	22,338- 169- 34-B	
UA2SLP	10,080- 215- 26-C		UR2W	62,180- 1413- 115-B	EA3AIN	42,079- 1338- 73-C	
UA4CJ	9,139- 157- 19-B		UR2W	10,000- 77- 12-A	EA4WC	23,409- 27- 24-C	
UA4FDJ	3670- 116- 10-B		UR2WF	760,084- 204- 40-B	EA4HD	15,498- 199- 18-C	
UA3AE	3597- 165- 11-B		UR2WF	63,360- 487- 40-B	HS1ABD	6060- 116- 15-C	
UA3EAT	2112- 88- 12-B		UR2WF	4381- 106- 13-B	HS1ALP	43,384- 460- 29-C	
UA3AJR	1224- 43- 9-B		UR2QD	891,204- 2229- 92-C	Kenya		
UA3WCA	5894- 253- 14-B				EA2OP	22,338- 169- 34-B	
UA3EJU	52,922- 188- 18-B				EA3AIN	42,079- 1338- 73-C	
UA3ICJ	3670- 116- 10-B				EA7ABO	90,882- 386- 48-C	
UA4AFD	3597- 165- 11-B				EA4WC	23,409- 27- 24-C	
UA3AE	2112- 88- 12-B				EA4HD	15,498- 199- 18-C	
UA3EAT	1224- 43- 9-B				HS1ABD	6060- 116- 15-C	
UA3AJR	6300- 264- 10-B				HS1ALP	43,384- 460- 29-C	
UA3WCA	5894- 253- 14-B						
UA3EJU	52,922- 188- 18-B						
UA3ICJ	3670- 116- 10-B						
UA4AFD	3597- 165- 11-B						
UA3AE	2112- 88- 12-B						
UA3EAT	1224- 43- 9-B						
UA3AJR	6300- 264- 10-B						
UA3WCA	5894- 253- 14-B						
UA3EJU	52,922- 188- 18-B						
UA3ICJ	3670- 116- 10-B						
UA4AFD	3597- 165- 11-B						
UA3AE	2112- 88- 12-B						
UA3EAT	1224- 43- 9-B						
UA3AJR	6300- 264- 10-B						
UA3WCA	5894- 253- 14-B						
UA3EJU	52,922- 188- 18-B						
UA3ICJ	3670- 116- 10-B						
UA4AFD	3597- 165- 11-B						
UA3AE	2112- 88- 12-B						
UA3EAT	1224- 43- 9-B						
UA3AJR	6300- 264- 10-B						
UA3WCA	5894- 253- 14-B						
UA3EJU	52,922- 188- 18-B						
UA3ICJ	3670- 116- 10-B						
UA4AFD	3597- 165- 11-B						
UA3AE	2112- 88- 12-B						
UA3EAT	1224- 43- 9-B						
UA3AJR	6300- 264- 10-B						
UA3WCA	5894- 253- 14-B						
UA3EJU	52,922- 188- 18-B						
UA3ICJ	3670- 116- 10-B						
UA4AFD	3597- 165- 11-B						
UA3AE	2112- 88- 12-B						
UA3EAT	1224- 43- 9-B						
UA3AJR	6300- 264- 10-B						
UA3WCA	5894- 253- 14-B						
UA3EJU	52,922- 188- 18-B						
UA3ICJ	3670- 116- 10-B						
UA4AFD	3597- 165- 11-B						
UA3AE	2112- 88- 12-B						
UA3EAT	1224- 43- 9-B						
UA3AJR	6300- 264- 10-B						
UA3WCA	5894- 253- 14-B						
UA3EJU	52,922- 188- 18-B						
UA3ICJ	3670- 116- 10-B						
UA4AFD	3597- 165- 11-B						
UA3AE	2112- 88- 12-B						
UA3EAT	1224- 43- 9-B						
UA3AJR	6300- 264- 10-B						
UA3WCA	5894- 253- 14-B						
UA3EJU	52,922- 188- 18-B						
UA3ICJ	3670- 116- 10-B						
UA4AFD	3597- 165- 11-B						
UA3AE	2112- 88- 12-B						
UA3EAT	1224- 43- 9-B						
UA3AJR	6300- 264- 10-B						
UA3WCA	5894- 253- 14-B						
UA3EJU	52,922- 188- 18-B						
UA3ICJ	3670- 116- 10-B						
UA4AFD	3597- 165- 11-B						
UA3AE	2112- 88- 12-B						
UA3EAT	1224- 43- 9-B						
UA3AJR	6300- 264- 10-B						
UA3WCA	5894- 253- 14-B						
UA3EJU	52,922- 188- 18-B						
UA3ICJ	3670- 116- 10-B						
UA4AFD	3597- 165- 11-B						
UA3AE	2112- 88- 12-B						
UA3EAT	1224- 43- 9-B						
UA3AJR	6300- 264- 10-B						
UA3WCA	589						