

Results, 1978 IARU Radiosport Championship

Being number two is better!

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

When you're number two, you just naturally try harder. The second IARU Radiosport Championship showed a marked increase in activity over last year, judging by the increases in scores. Of the 1467 logs received, 599 were from the U.S. and Canada and 868 from the rest of the world (398 from the U.S.S.R.) down slightly from the 1563 in 1978.

The biggest increase in average scores came in the phone-only category, where the top ten stations posted an average score 104 percent greater than last year. The top ten cw scores were up 22 percent, phone and cw up 31 percent and the multioperator top ten scores were up 43 percent. The lessons learned in last year's contest were put to good use.

A look at the leaders shows that two were from the Southern Hemisphere (ZL1ADI on phone and cw; LU8DQ on cw) and two from the Northern Hemisphere (UB5WE on phone; W1GNC/PJ2 in the multioperator category).

The sun played an important role in the contest this year. Though the solar flux was higher, so was the geomagnetic activity, making conditions variable. On the second day a large solar flare lasted from 1804Z until 1847Z (peak at 1832Z), causing a radio blackout for all but very-short-distance QSOs. Three other minor flares also caused disruptions.

The IARU ended 1978 with 104 members, up from 99 a year before. The newest members are the Grenada Amateur Radio Club (J3), Association des Radio-Amateurs du Senegal (6W), Radio Club d'Haiti (HH), the British Virgin Island Radio League (VP2V), and the Antigua Amateur Radio Society (VP2A).

The growth in the IARU during the past few years points to the increased emphasis on a coordinated plan for Amateur Radio to be presented at the World Administrative Radio Conference (WARC) in Geneva later this year.



Luis, HI8LC, will soon have another certificate, this for his top phone score from the Dominican Republic in the 1978 Radiosport Championship, to add to his impressive array of awards.

G3FXB shown working his way toward the no. 2 position among the single-op, mixed-mode entrants, worldwide.



OK2BLG posted the top single-operator score from Czechoslovakia.



*Assistant Communications Manager, ARRL

**Communications Assistant, ARRL

The Leaders

	DX		W/VE	
Single op mixed	ZL1ADI	1,195,191	CG7CC	899,468
Single op cw	LU8DQ	986,720	N2LT	574,089
Single op phone	UB5WE	1,160,283	K7RI	742,252
Multiop	W1GNC/PJ2	2,404,540	VC7WJ	1,688,711



The IARU Radiosport Championship in 1979 will be a good opportunity for amateurs everywhere to meet friends around the world in the true spirit of Amateur Radio.

Soapbox

I enjoyed my first Radiosport Contest, but after eight hours of work to get the log to balance correctly, I began to wonder! What a nightmare! The "big guns" must have taken a week's vacation. (WB8FEZ) Would be very interesting to determine the relative timing around the world of the "radio blackout" at 1819 UTC, 9 July 1978. I have wondered if these conditions were localized or worldwide. (W2FTY) I think that I speak for all U.S. amateurs in saying thanks for the new rule that redefines a 3-point contact. Forty meters to Europe was disappointing, but super to VK/ZL. (WB8DQP/WB8JBM) One observation: At 1820 UTC on the 9th, a solar flare occurred and suddenly there were no signals on the bands with the exception of a local who was in there calling "CQ TEST." Very unusual as at 1900 UTC the bands had begun to reopen. (N4WX) Fine turnout. This was fine for a first contest. I didn't know that there were that many 1 × 2 call signs in the world. (WB1FNK) I checked these logs on an overnight flight to London and a subsequent long train ride. I found that duping logs at 4 A.M. gives you a lot of insight into what was written in them at 4 A.M. I really like the multiplier structure in this contest (probably the only one!). The high contact-to-multiplier ratio makes DXing a necessary part of it. One can't depend upon calling CQ all the time. Multipliers are too

valuable. (K2BMI) All that paperwork was definitely worth the effort after an exciting contest. Actually, cw activity from around the world was pretty sparse. Everyone was on phone, haunting the African pileups. Twenty meters was wide open here on Saturday night and 15 was beautiful on Sunday. My excitement peaked when I swung my beam on 15 meters toward South America to work an FY7. No luck. But when I swung north again, I suddenly realized that nobody was around. Does a solar flare really do that? An hour and a half later things were normal again. Strange! (AA6RX) My first contest in the single-operator class in 27 years of operating. The XYL and I have been in Iran for 2-1/2 years and I have operated EP2RL for 1-1/2 years. It was a struggle to get the license, but it is well worth it to be able to confirm EP for the amateur fraternity. The 1000 QSOs during the contest were fun; I hope my QSL Manager, W3HNK, thinks so also. (EP2RL) If anybody told me before I started that I'd work 61 QSOs an hour on 40 cw using 100 watts and an 80-meter vertical, I'd have punched them in the nose. (K6SSS) Many thanks for a very pleasant contest — my first Radiosport. I used my 160-metre antenna and an antenna tuner. Surprisingly, never heard a W8. I am 70 years old and have been licensed since 1925. Old call was A3GN. (VK3CM) Propagation was "the pits," then came the blackout! Fun all the same. (K1YHM) I'd swear some stations never heard of dupe sheets! (K9GS) Friday night was a bummer, but Saturday made up for it. There should be a low-power multiplier or low- and high-power class separation. (WA2OVE)

WØYR and WBØUXI find a little time to ham it during the solar-flare-induced blackout of the bands on July 9. They were with the KØCS multiop effort, number 10 in the W/VE competition.

Disappointed that this new contest doesn't have a more meaningful exchange. 599 and a known zone are too predictable. My little vertical works much better on transmit than on receive as 85 percent of reports received were 599. (KA6DX/N1DX) I looked for cw activity briefly a few times but didn't find any. I agree with the comment heard on the air, that this is due to lack of incentive in the scoring system. (I hope that eventually this contest will be divided into separate sessions for phone and cw a la Sweepstakes.) (W8DXT) Wow! What a contest! I'm sure that my score will not win any high marks, but it's not too shabby for an old man with a vertical antenna. I set out to beat my total for last year and ended up with more than twice the number of QSOs. Looking forward to next year. Who knows, maybe I can keep on improving and get up there with the "big guns" in a couple of years. (W6BKY)

Feedback

Because of postal delays, a few logs didn't make it in time to be included with last year's contest results: JT1AN 25,800-335-20-A; JT1KAA 52,108-534-28-D; LU2A 622,914-1353-93-C; UA3AFL check log; UA6HP 7656-142-22-B; UK6LEZ 147,498-761-61-D; UO5ODX check log. Special mention goes to LU2A (LU2AFH) for the excellent score — the number three phone score worldwide. ■

DX Top Ten

Single Operator Phone & CW	Single Operator CW
ZL1ADI 1,195,191	LU8DQ 986,720
G3FXB 1,010,097	JA1KSO 701,864
UA1DZ 874,174	YBØACT 672,358
UQ2GDQ 763,767	UA4HAL 663,816
UV5OO 733,278	UR2QI 643,599
UC2ACA 649,026	UP2NV 597,112
UR2REZ 431,340	UP9AX 581,716
UP2BAO 391,944	UP2CY 561,925
OE5CWL 317,700	OH1VR 481,151
UL7MAR 305,775	JA1YFL 468,778

Single Operator Phone	Multioperator
UB5WE 1,160,283	W1GNC/PJ2 2,404,540
HB9BAM 930,303	UK9AAN 2,114,064
VK8BG 777,784	UK2GKW 1,413,885
UL7OAO 767,165	UK1AAA 1,264,602
PY3CB 730,170	SK2KW 1,135,240
OH3YI 712,800	UK5MAF 1,063,192
JA6BSM 596,453	N6OP/KG6 952,442
OZ5EV 508,474	KP4KW 948,175
5W1BN 482,406	G4EHF 917,424
EL2T 449,534	F6AQO 671,925

W/VE Top Ten

Single Operator Phone & CW	Single Operator CW
CG7CC 899,468	N2LT 574,089
VE5DX 896,700	K1KI 524,552
N6AR 475,830	N4AR 499,140
VE7CMK 463,904	K5GO 496,910
W1NG 422,500	K2BMI 472,260
K1WB 409,133	W7NI 420,819
AA4S 408,316	WB6JOS 414,072
K5KG 360,715	K4BAI 396,540
W5FL 319,081	KØMM 387,220
N6MI 257,791	K6LL7 361,712

Single Operator Phone	Multioperator
K7RI 742,252	VC7WJ 1,688,711
K5UR 565,070	K5GA 1,416,480
WA6WZO 440,160	K5JA 993,600
WA1TFF 300,204	N4WW 928,659
WB5TAP 296,912	K6XT 896,658
WA6NEL 291,195	W3LPL 847,788
K6HNZ 279,586	W6YX 804,066
K6HNZ 266,651	K6RM 740,622
K5MK 252,075	KØUK 715,509
W2XL 238,280	KØCS 618,144

Scores

Scores are listed by zone (in numerically ascending order), then by country within that zone. Note that the United States and Canada are listed separately, and that scores are further divided into call areas, and ARRL sections. The line score (example OX3VO 57,691-463-31-C) 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 (phone and cw); B — single operator, cw only; C — single operator, phone only; D — multioperator, single transmitter.

W/VE	WB6JOS(AA6RX,opr) 414,072-1474- 81-B	K5GO 496,910-1586- 85-B	Missouri	WB2SNT 3114- 73- 18-B
	WB6BWZ 225,442- 48- 29-B	WA5SOG 590- 141- 15-B		WB2AFX 2533- 57- 17-B
	WB6HJW 225,442- 676- 29-B	WB5UJ 1875- 141- 15-B		N2EF 1725- 41- 15-B
	N6MB 46,948- 356- 44-C	KGUR 565,070-1767-114-C		W2XL 238,280- 916- 92-C
	WB6BVD 8322- 146- 19-C			WB2ECA 82,550- 370- 65-C
Zone 1	WA6IJZ 5112- 90- 18-C	K5GN 140,001- 661- 69-A		
	WB6NZL(+WD6EYVM) 9120- 154- 20-D			
Alaska	KL7AF 31,958- 267- 29-B	K5KLA 135,408- 576- 62-A	WB2SN 3114- 73- 18-B	
	KL7BPK 19,010- 100- 30-B	K5PR 34,150- 443- 25-A	WB2AFX 2533- 57- 17-B	
	KL7CP 22,1910- 869- 65-C	WB5UW 55,883- 376- 41-B	N2EF 1725- 41- 15-B	
	KL7CQ 27,192- 244- 33-C	WB5UWI 8112- 230- 12-B		
	KL7CF 11,350- 129- 25-C	WD5I0I 66- 10- 3-B		
	KL7HR(+KL7s)(UM IVX) 494,109-1920- 69-D	WD5DUD 174,165-1179- 51-C		
Zone 2	WB4TJV/6 160- 16- 24-C	N5IV(+WB5VAN) 103,950- 545- 66-D	New York City - L.I.	
	KGHNZ 279,586- 966- 86-C			
	WB6SWV 32,016- 217- 48-C			
	WB6OCV 93,100- 310- 30-C			
	N6N 5520- 70- 24-C			
Alberta	W6YX(AA6UO,K6XO,N6IG NE, W1ARR,W6ATV,N7MH,opr)	WB5DYH 128,850- 538- 75-A	WB2SNT 3114- 73- 18-B	
	W6ATT 61,047- 321- 57-C	N5XA 92,176- 476- 56-B	WB2AFX 2533- 57- 17-B	
	VE6AGV 46,053- 314- 43-C	K5MK 252,075-1054- 75-C	N2EF 1725- 41- 15-B	
	CG6QM 23,989- 288- 23-C			
British Columbia	WA1TKR/6 31,154- 256- 37-A	W5YZ 40,086- 362- 34-B	WB2ECA 82,550- 370- 65-C	
	WA5NEL 5928- 100- 31-B			
	NGCK 291,195-1185- 85-C			
	K6XT(+N6s AGT ND,WD6EQI) 896,658-2496-111-D			
Zone 3	KA6RM(+N6s BT TU,WA6HJV) 740,622-2210-106-D			
Manitoba	WA6KLM 9240- 162- 21-A	WB5TAP 296,912-1018- 88-B	Nebraska	
	WA6KWM 7623- 141- 21-A	WB5KTD 128,222- 662- 61-C	K9SCM 36,295- 353- 35-A	
	K6CRN 2280- 69- 15-B	WB5COP 8580- 97- 30-C	WB5SYV 88,412- 569- 62-D	
	WA6KHN 11,500- 100- 24-C	WB5JL 6420- 130- 22-C	N2BU(+WA2JB) 87,220-1059- 35-D	
	N6OC 38,610- 275- 45-C	WB5KPH 6776- 168- 14-B	WB2VNU(+WB2VKU) 25,506- 248- 39-D	
	WA6SSC 24,514- 245- 34-C	WB5KU 70- 20- 24-C	WB5OMN 15,928- 250- 22-C	
	NA6J 15,318- 257- 18-C	WB5KU 7885- 195- 20-C	Northern New Jersey	
Zone 4	WB5KU(K6FUV,N5AU TR, WB5PIP,WD5EWPI) 993,600-2723-108-D	WB5KU 7885- 195- 20-C	WB2QPL 94,393- 556- 53-B	
Saskatchewan	WA6KMW 46,008- 272- 54-A	WB5KU 7885- 195- 20-C	WB2FGZ 21,880- 250- 23-B	
	VE5DX 895,700-2706-100-A	WB5MLT 49,440- 695- 48-C	WB2HZA 52,668- 438- 42-A	
	VE5AAD 27,248- 340- 26-B	WB5MSU 15,792- 210- 24-C	WB2POG 16,748- 265- 26-A	
	CG5RA 266,651-1023- 77-C		WB2EPK 7,350- 116- 25-C	
Zone 5	WB6BIP(+WA6DJII) 268,944-1016- 78-D		N2LT 574,089-1626- 93-D	
Ontario	AA6DX(+WA6s GS,TE,W6B5 QPQ SYQ) 374,244-1487- 78-D		K2BMM 472,260-1267-102-B	
	WB6BIP(+WA6DJII) 268,944-1016- 78-D		WB2QPL 94,393- 556- 53-B	
Southern New Jersey			WB2FGZ 21,880- 250- 23-B	
Manitoba	WA5KMW 46,008- 272- 54-A		WB2HZA 52,668- 438- 42-A	
	VE4OY 197,886-1014- 59-B		WB2POG 16,748- 265- 26-A	
	VE4XI 3408- 69- 16-B		WB2EPK 7,350- 116- 25-C	
	CF4KZ(Multiop) 410,256-1770- 74-D		N2LT 574,089-1626- 93-D	
Saskatchewan	WA5KMW 46,008- 272- 54-A		WB2QPL 94,393- 556- 53-B	
	VE5DX 895,700-2706-100-A		WB2FGZ 21,880- 250- 23-B	
	VE5AAD 27,248- 340- 26-B		WB2HZA 52,668- 438- 42-A	
	CG5RA 266,651-1023- 77-C		WB2POG 16,748- 265- 26-A	
Zone 6	WB6BIP(+WA6DJII) 268,944-1016- 78-D		WB2EPK 7,350- 116- 25-C	
6			N2LT 574,089-1626- 93-D	
East Bay	WB7PST 82,148- 639- 44-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
	K6LL/7 361,712-1458- 74-B	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2FGZ 21,880- 250- 23-B	
	WB7PXS 13,132- 161- 28-B	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2HZA 52,668- 438- 42-A	
	WB7YUL 3459- 94- 13-B	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2POG 16,748- 265- 26-A	
	WB7YUL 2784- 84- 12-C	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2EPK 7,350- 116- 25-C	
	N2KK/7(+N7D) 452,992-1363- 87-D	WB5UW(W5ABR,opr) 159,133-1341- 89-A	N2LT 574,089-1626- 93-D	
Idaho	K7QD 46,458- 29-B	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
	K7MM 26,381- 324- 31-B	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2FGZ 21,880- 250- 23-B	
	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2HZA 52,668- 438- 42-A	
Montana	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2POG 16,748- 265- 26-A	
	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2EPK 7,350- 116- 25-C	
Arizona	K5TM(+WD5EHB) 492,300-1657- 90-D	WB5UW(W5ABR,opr) 159,133-1341- 89-A	N2LT 574,089-1626- 93-D	
	N5RU(+WD5IXJ) 46,664- 396- 38-D	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
7			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
7			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
East Bay	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Idaho	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Colorado	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Iowa	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Maine	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Pennsylvania	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Delaware	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Eastern Pennsylvania	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Michigan	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Minnesota	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Missouri	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Missouri	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB5UW(W5ABR,opr) 159,133-1341- 89-A	WB2QPL 94,393- 556- 53-B	
			WB5UW(W5ABR,opr) 159,133-1341- 89-A	
Mississippi	WB5UW(W5AB			

Y06AVB	60- 10- 3-B	UB5TAG	25,368- 290- 28-B	UA9WEE	36,870- 283- 30-B	Zone 44	Zone 59
Y06KEI	133,696- 713- 54-C	UB5QBC	23,900- 310- 22-B	UA9ADE	23,782- 259- 22-B	Australia	VK3CM 19,795- 109- 37-B
Y07APM	97,929- 155- 23-C	UB5UDH	33,826- 241- 22-B	UA9AHE	17,200- 200- 16-B	VK5WC 165,100- 536- 65-D	
Y08JN	25,000- 160- 10-C	UB5SGC	33,826- 241- 22-B	UA9LBM	5643- 69- 19-B		
Y08LN	16,320- 63- 10-C	UB5EN	16,960- 276- 20-B	UA9WCQ	4092- 84- 11-B		
Y08LV	1220- 34- 10-C	UB5LCO	15,264- 254- 24-B	UA9MY	320- 18- 5-B		
Y04KAK/P	16,797- 151- 33-D	UB5UBU	14,706- 270- 19-B	UW9CL	122,590- 582- 46-C	Hl9TP	184,230- 1199- 46-C
Yugoslavia		UB5QCP	12,112- 239- 16-B	UA9FBC	39,501- 259- 33-C	Hl9UD	27,882- 476- 18-C
YU1NZW	42,226- 285- 43-A	UB5MBP	10,184- 271- 19-B	UA9AA	2,114,064- 311- 7-15-D		
YU3TAN/2	27,144- 335- 26-B	UB5FP	6672- 112- 24-B	UK9WA	352,268- 328- 11-D		
YU3TUT	18,228- 165- 28-C	UB5UWV	5,000- 210- 11-B	UM9KA	188,666- 680- 66-D		
YU3GHI	63,124- 34- 43-D	UB5IGQ	1784- 71- 18-B	UA9CBZ	59,745- 387- 35-D		
		UB5ZCT	138- 23- 2-B				
		UB5WE	1,160,283- 2357- 111-C	Turkoman			
		UB5HDX	79,365- 391- 65-C	UH8DC	41,866- 496- 38-B	Japan	
		UB5HBT	38,594- 265- 46-C	UH8CS	825- 38- 5-B		
		UB5BZ	13,680- 250- 18-C	UH8BAJ	113,974- 522- 49-D		
		UB5PPD	5,682- 239- 18-C	JAI1BX	141,060- 531- 60-A	Zone 44	
		RB5B7M	4,200- 142- 7-C	JAI1WCE	126,711- 582- 57-A		
		RB5IOV	76- 7- 4-C	JAI1KDC	74,880- 318- 52-A		
				JAI1KDC	60,620- 309- 47-A		
				JAI1KYC	66,129- 309- 47-A		
				JAI3KMM	62,328- 264- 53-A		
				JAI1KBR	48,300- 324- 46-C		
				JH2FFR	41,882- 272- 43-A		
				JAI1PCY	41,070- 245- 37-C		
				JAI1KAN	22,707- 262- 27-A		
				JAI2YAC(JE2QI)	14,630- 113- 38-A		
				JH4DRB	10,556- 90- 26-A		
				JAI1UFB	8788- 91- 26-C		
				JAI1UDP	4431- 55- 21-A		
				JG1WRN	3568- 121- 16-C		
				JAI1KUV	3496- 40- 23-A		
				JAI1Z	164- 20- 9-A		
				JAI1KSO	701,864- 1336- 118-B		
				JAI1YFL(UA9JCJ,op)	46,778- 1136- 94-B		
				JAI1HQS	196,664- 718- 62-B		
				JAI1HQB	109,305- 435- 63-B		
				JAI1HQB	62,328- 264- 53-A		
				JAI1HQB	48,300- 324- 46-C		
				JAI1HQB	41,882- 272- 43-A		
				JAI1HQB	22,707- 262- 27-A		
				JAI1HQB	14,630- 113- 38-A		
				JAI1HQB	10,556- 90- 26-A		
				JAI1HQB	8788- 91- 26-C		
				JAI1HQB	4431- 55- 21-A		
				JG1WRN	3568- 121- 16-C		
				JAI1KUV	3496- 40- 23-A		
				JAI1Z	164- 20- 9-A		
				JAI1KSO	701,864- 1336- 118-B		
				JAI1YFL(UA9JCJ,op)	46,778- 1136- 94-B		
				JAI1HQS	196,664- 718- 62-B		
				JAI1HQB	109,305- 435- 63-B		
				JAI1HQB	62,328- 264- 53-A		
				JAI1HQB	48,300- 324- 46-C		
				JAI1HQB	41,882- 272- 43-A		
				JAI1HQB	22,707- 262- 27-A		
				JAI1HQB	14,630- 113- 38-A		
				JAI1HQB	10,556- 90- 26-A		
				JAI1HQB	8788- 91- 26-C		
				JAI1HQB	4431- 55- 21-A		
				JG1WRN	3568- 121- 16-C		
				JAI1KUV	3496- 40- 23-A		
				JAI1Z	164- 20- 9-A		
				JAI1KSO	701,864- 1336- 118-B		
				JAI1YFL(UA9JCJ,op)	46,778- 1136- 94-B		
				JAI1HQS	196,664- 718- 62-B		
				JAI1HQB	109,305- 435- 63-B		
				JAI1HQB	62,328- 264- 53-A		
				JAI1HQB	48,300- 324- 46-C		
				JAI1HQB	41,882- 272- 43-A		
				JAI1HQB	22,707- 262- 27-A		
				JAI1HQB	14,630- 113- 38-A		
				JAI1HQB	10,556- 90- 26-A		
				JAI1HQB	8788- 91- 26-C		
				JAI1HQB	4431- 55- 21-A		
				JG1WRN	3568- 121- 16-C		
				JAI1KUV	3496- 40- 23-A		
				JAI1Z	164- 20- 9-A		
				JAI1KSO	701,864- 1336- 118-B		
				JAI1YFL(UA9JCJ,op)	46,778- 1136- 94-B		
				JAI1HQS	196,664- 718- 62-B		
				JAI1HQB	109,305- 435- 63-B		
				JAI1HQB	62,328- 264- 53-A		
				JAI1HQB	48,300- 324- 46-C		
				JAI1HQB	41,882- 272- 43-A		
				JAI1HQB	22,707- 262- 27-A		
				JAI1HQB	14,630- 113- 38-A		
				JAI1HQB	10,556- 90- 26-A		
				JAI1HQB	8788- 91- 26-C		
				JAI1HQB	4431- 55- 21-A		
				JG1WRN	3568- 121- 16-C		
				JAI1KUV	3496- 40- 23-A		
				JAI1Z	164- 20- 9-A		
				JAI1KSO	701,864- 1336- 118-B		
				JAI1YFL(UA9JCJ,op)	46,778- 1136- 94-B		
				JAI1HQS	196,664- 718- 62-B		
				JAI1HQB	109,305- 435- 63-B		
				JAI1HQB	62,328- 264- 53-A		
				JAI1HQB	48,300- 324- 46-C		
				JAI1HQB	41,882- 272- 43-A		
				JAI1HQB	22,707- 262- 27-A		
				JAI1HQB	14,630- 113- 38-A		
				JAI1HQB	10,556- 90- 26-A		
				JAI1HQB	8788- 91- 26-C		
				JAI1HQB	4431- 55- 21-A		
				JG1WRN	3568- 121- 16-C		
				JAI1KUV	3496- 40- 23-A		
				JAI1Z	164- 20- 9-A		
				JAI1KSO	701,864- 1336- 118-B		
				JAI1YFL(UA9JCJ,op)	46,778- 1136- 94-B		
				JAI1HQS	196,664- 718- 62-B		
				JAI1HQB	109,305- 435- 63-B		
				JAI1HQB	62,328- 264- 53-A		
				JAI1HQB	48,300- 324- 46-C		
				JAI1HQB	41,882- 272- 43-A		
				JAI1HQB	22,707- 262- 27-A		
				JAI1HQB	14,630- 113- 38-A		
				JAI1HQB	10,556- 90- 26-A		
				JAI1HQB	8788- 91- 26-C		
				JAI1HQB	4431- 55- 21-A		
				JG1WRN	3568- 121- 16-C		
				JAI1KUV	3496- 40- 23-A		
				JAI1Z	164- 20- 9-A		
				JAI1KSO	701,864- 1336- 118-B		
				JAI1YFL(UA9JCJ,op)	46,778- 1136- 94-B		
				JAI1HQS	196,664- 718- 62-B		
				JAI1HQB	109,305- 435- 63-B		
				JAI1HQB	62,328- 264- 53-A		
				JAI1HQB	48,300- 324- 46-C		
				JAI1HQB	41,882- 272- 43-A		
				JAI1HQB	22,707- 262- 27-A		
				JAI1HQB	14,630- 113- 38-A		
				JAI1HQB	10,556- 90- 26-A		
				JAI1HQB	8788- 91- 26-C		
				JAI1HQB	4431- 55- 21-A		
				JG1WRN	3568- 121- 16-C		
				JAI1KUV	3496- 40- 23-A		
				JAI1Z	164- 20- 9-A		
				JAI1KSO	701,864- 1336- 118-B		
				JAI1YFL(UA9JCJ,op)	46,778- 1136- 94-B		
				JAI1HQS	196,664- 718- 62-B		
				JAI1HQB	109,305- 435- 63-B		
				JAI1HQB	62,328- 264- 53-A		
				JAI1HQB	48,300- 324- 46-C		
				JAI1HQB	41,882- 272- 43-A		
				JAI1HQB	22,707- 262- 27-A		
				JAI1HQB	14,630- 113- 38-A		
				JAI1HQB	10,556- 90- 26-A		
				JAI1HQB	8788- 91- 26-C		
				JAI1HQB	4431- 55- 21-A		
				JG1WRN	3568- 121- 16-C		
				JAI1KUV	3496- 40- 23-A		
				JAI1Z	164- 20- 9-A		
				JAI1KSO	701,864- 1336- 118-B		
				JAI1YFL(UA9JCJ,op)	46,778- 1136- 94-B		
				JAI1HQS	196,664- 718- 62-B		
				JAI1HQB	109,305- 435- 63-B		
				JAI1HQB	62,328- 264- 53-A		
				JAI1HQB	48,300- 324- 46-C		
				JAI1HQB	41,882- 272- 43-A		
				JAI1HQB	22,707- 262- 27-A		
				JAI1HQB	14,630- 113- 38-A		
				JAI1HQB	10,556- 90- 26-A		
				JAI1HQB	8788- 91- 26-C		
				JAI1HQB	4431- 55- 21-A		
				JG1WRN	3568- 121- 16-C		
				JAI1KUV	3496- 40- 23-A		
				JAI1Z	164- 20- 9-A		
				JAI1KSO	701,864- 1336- 118-B		
				JAI1YFL(UA9JCJ,op)	46,778- 1136- 94-B		
				JAI1HQS	196,664- 718- 62-B		
				JAI1HQB	109,305- 435- 63-B		
				JAI1HQB	62,328- 264- 53-A		
				JAI1HQB	48,300- 324- 46-C		
				JAI1HQB	41,882- 272- 43-A		
				JAI1HQB	22,707- 262- 27-A		
				JAI1HQB	14,630- 113- 38-A		
				JAI1HQB	10,556- 90- 26-A		
				JAI1HQB	8788- 91- 26-C		