1976 CQ World-Wide DX Contest C.W. Results

BY LARRY BROCKMAN*, N6AR (ex WA6EPQ) AND BOB COX†, K3EST

CQ's yearly Thanksgiving present to c.w. DXers and contesters alike seems to have been welcomed with the usual overwhelming enthusiasm. A record 2060 logs were received for this years event, up 6% over last year. Even more astounding. a phenomenal 2 world records, 17 continental records, and 6 USA records were set, more than twice the number set last year, despite generally mediocre band conditions. As one contester wrote to us, "The contest seems to open the bands each year". Indeed it does, and even the ten meter band showed signs of real life, as evidenced in C5AZ's 28 MHz log. Although an all band entry, Ville racked up 293 contacts and 49 countries on the band everyone thought was dead. We all better take a careful look down there next year to catch those fleeting openings and elusive multipliers.

All Band Honors

The 3.7M top world-wide single operator effort by KP4AST (operated by Chip, K7VPF), set a new world record in one of the hottest competitions in WW test history. Breathing right down his neck were C5AZ, operated by Ville, OH2MM, at 3.6 M, and 9Y4VT, operated by Dick, W6DGH (now N6AA) at 3.45M. But cheer up Ville, a consolation prize awaits—the new African continental record, and the knowledge that your score also bested the old world record, one set by your old friend OH2BH at ZD3X.

Even closer was the battle for this years Multi-Single top honors, with the three top stations finishing within only 46,000 points out of almost 4 Million. By just a whisker (15,000 points) PJ9MM, operated by W1GNC, W3ZZ, WB3GSV, and W8FAW, a joint venture of the PVRC and Murphy's Marauders, edged 9Y4A, operated by W2DXL, W2AX, W2ER, W2GC, W2GGE, and K2LE representing the Royal Order of Boiled Owls. Third in the competition was ZD8W, operated by WA4 TLB, KP4EAJ, and KP4EKI, who trailed second place by just 31,000 points. PJ9MM pulled it out with a few extra contacts, as 9Y4A had the multiplier edge by virtue of their 160 Meter band score. ZD8W's incredible 15 meter contact total (1808 contacts) wasn't enough to compensate for the overall balance in the other two efforts.

Our congratulations to UK9AAN, operated by Sam, UA9AN, and fellow Chelyabinsk Institute Club members UA9ABA, UA9ACZ, UA9AEN, UV9AX, and UW9BY, in their first ever officially sanctioned USSR Multi-Multi effort. The boys from the Urals racked up a new Asian Multi-Multi record of 4.9M to top a close pack of US entrants led by W3WJD, W3AU, and W4BVV in that order. It looks like the stage is now set for some fierce but friendly East/West Multi-Multi competitions in the future.

The USA top all band score was that of W3LPL, Frank, who did it for the second year in a row. This time PVRC club member Frank captured the all time USA record from arch-rival Frankford Radio Club member W3WJD. Could this entice Sigge to abandon the Multi-Multi category for a new try at his old record?

One of the up and coming superstations, AA5LES, operated by WA5LES, K5LWL, WB5IZN, WB5OOW WA5ZNY, WA5WCT and KL7IDH, captured this year's USA Multi-Single category with a fine 2.2 M point score, an all time USA record. Multi-Multi honors went to W3WJD, operated by Sigge himself and K3YUA, WA3LRU, and W3IFG.

The Frankford Radio Clubs joy over this victory was no consolation in the face of the club competition results. This year the PVRC ran away with it with a whopping 58 M points, an 18 M point edge over the runner up Frankford contingent. In the DX Club category the Rhein-Ruhr Club finished first once again with 23 million points.

CQ WW DX Contest Directors
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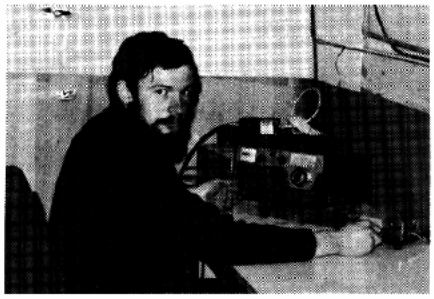
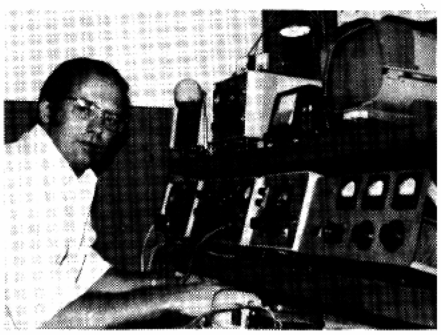


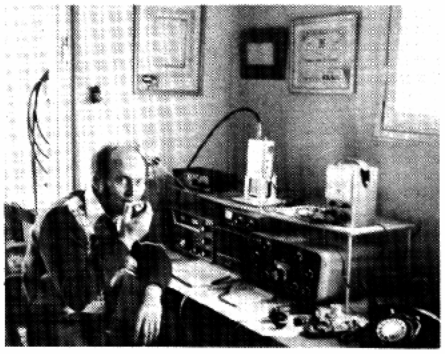
FB8XO's QSL manager Bob, F6CRT sends along this photo of one of the juiciest multipliers to show up in the contest.

K5LWL and AA5LES, the brand new owners of the USA Multi-Single record are seen here seated at the operating position of the station they jointly own (right) with their antennas shown on the left.

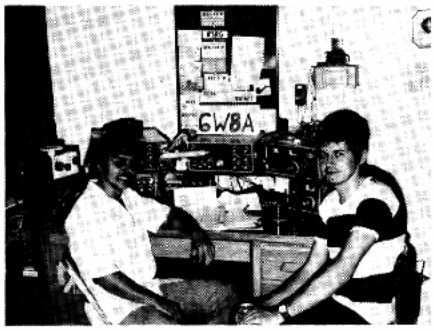
Low power enthusiast OA8V shows us how he relaxes after the contest deep in the Peruvian jungles.



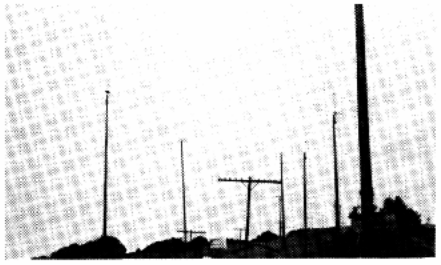
Luis Matho, CX1EK/W4 operating CW3BR during the CQ WW CW Contest.



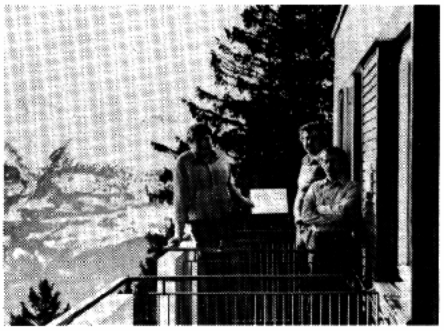
Dave Goldstein, 4X4UH, decides to do a little SSB operation after that single band 14 MHz entry in the CW contest.



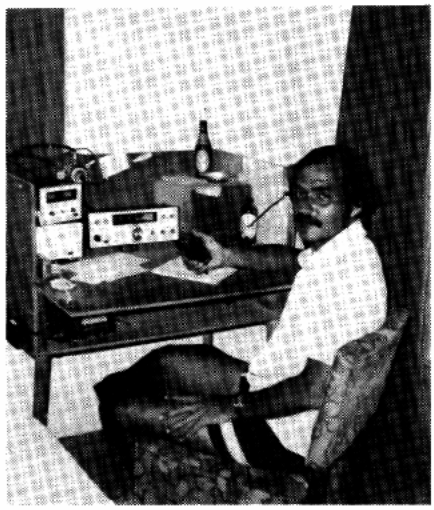
Charlie (6W8FP) and Ville (C5AZ) are shown in the shack of 6W8A discussing propagation from West Africa.



Some of K6BCE's antennas are shown here but shortly before the big wind of November, 1976.



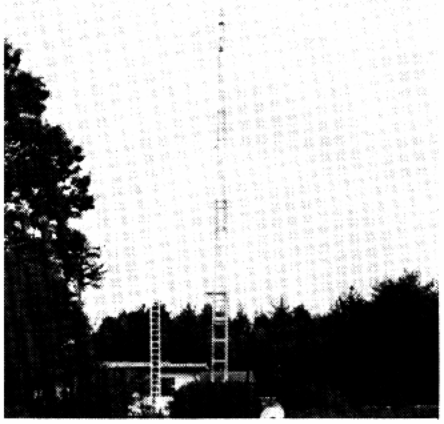
The crew at HB0AZD shows why the alpine location can help on propagation.



QRP contester WA6VNR put VP2MNR on this year, and ZF1JH in 1974.

One of the most active South American contesters, OA4AHA, shown at his rig.

The QTH used by Ville at C5AZ- what a score on 28MHz with that setup, Ville.



JA2HLX used this fine 5 element yagi to take 14 MHz honors in Japan.

BAND-BY-BAND BREAKDOWN — TOP ALL BAND SCORES

Number groups indicate: QSO's//Countries on each band.

WORLD TOP SINGLE OPERATOR — ALL BAND

Station	160	80	40	20	15	10
KP4AST	66/11/21	331/16/59	814/27/ 75	1083/27/ 81	981/23/77	70/14/21
C5AZ	27/ 8/15	110/12/37	464/16/ 44	859/21/ 70	1331/25/75	293/18/49
9Y4VT	71/ 5/ 6	340/15/52	606/16/ 49	1163/26/ 65	1072/20/61	147/11/15
CT4AT		421/16/61	1045/26/ 81	686/25/ 86	712/22/74	17/ 8/10
VP2M	60/ 6/ 8	34/12/36	871/10/ 50	1057/22/ 62	805/18/52	33/ 9/11
OA4AHA		50/11/11	237/16/ 26	790/24/ 56	958/22/58	97/ 9/17
W3LPL	20/ 8/17	111/18/58	273/27/ 70	475/30/108	248/23/81	22/11/17
JA1KSO		97/19/31	562/32/ 73	700/32/ 79	120/26/42	17/ 9/12
EA2IA		694/11/48	636/14/ 41	996/22/ 61	509/16/45	1/ 1/ 1
ZE1JV		7/ 4/ 6	123/14/ 27	495/27/ 67	921/23/68	97/13/34

USA TOP SINGLE OPERATOR — ALL BAND

Station	160	80	40	20	15	10
W3LPL	20/ 8/17	111/18/58	273/27/ 70	475/30/108	248/23/81	22/11/17
W17M	18/ 7/11	224/19/67	185/19/ 55	509/26/ 72	261/24/71	3/ 3/ 3
W2GXD	13/ 4/ 8	124/17/54	204/25/ 69	562/27/ 81	266/21/61	6/ 5/ 6
W6OUN	5/ 4/ 4	67/14/22	512/27/ 44	334/27/ 61	425/23/49	37/14/18
K1GQ	10/ 4/ 7	82/14/43	288/24/ 68	542/25/ 83	200/19/64	8/ 5/ 6
K4VX	6/ 5/ 4	118/18/53	207/26/ 67	401/28/ 88	234/24/70	17/11/13
K6NA	11/ 7/ 9	74/14/20	487/26/ 55	316/24/ 57	354/20/41	52/14/17
W4RX	11/ 7/ 9	135/19/58	156/27/ 68	439/30/ 90	221/23/67	5/ 5/ 5
K3ZO	4/ 3/ 3	158/13/53	244/22/ 59	528/27/ 83	208/15/54	4/ 3/ 3
W1YK		113/15/50	188/23/ 64	506/26/ 76	209/18/61	5/ 4/ 4

WORLD TOP MULTI-OPERATOR — SINGLE TRANSMITTER

PJ9MM		412/13/52	814/19/ 55	1047/27/ 77	994/21/66	157/15/20
9Y4A	46/ 7/12	390/14/48	673/21/ 58	1121/24/ 75	874/23/71	135/12/20
ZD8W	13/ 5/ 5	140/16/28	508/10/ 44	805/26/ 89	1808/24/78	111/13/16
5W1AZ	3/ 3/ 3	135/12/13	577/24/ 29	961/31/ 68	1282/25/45	85/13/18
GC4DAA	84/ 4/14	580/13/55	321/16/ 59	1120/25/ 72	596/27/76	6/ 4/ 6
PJ1AA	15/ 4/ 6	247/11/37	396/14/ 43	952/23/ 58	945/20/58	107/ 7/ 8

USA TOP MULTI-OPERATOR — SINGLE TRANSMITTER

AA5LES	20/ 9/20	130/19/50	633/30/ 80	566/30/ 96	292/27/75	29/15/28
WA8ZDF	15/ 8/14	101/18/60	222/27/ 79	711/29/102	181/23/73	15/12/14
W1ZA	10/ 6/10	219/15/62	110/23/ 55	809/27/ 91	279/22/78	4/ 4/ 4
W2YD	3/ 2/ 2	178/14/55	262/26/ 70	726/27/ 92	218/20/57	7/ 4/ 6
W7FU	17/ 9/11	129/13/20	613/24/ 46	635/31/ 83	229/19/40	12/ 7/ 7
W3BWZ	15/ 7/13	109/18/57	173/27/ 74	607/32/103	117/24/73	14/11/13

WORLD TOP MULTI-OPERATOR — MULTI-TRANSMITTER

UK9AAN		830/28/86	1203/33/ 88	1165/33/ 97	797/28/85	
W3WJD	91/13/29	290/22/73	637/31/100	1107/33/115	419/25/95	41/12/19
W3AU	62/10/25	218/21/64	646/32/101	961/32/114	465/25/90	46/15/25
W4BVV	47/11/28	338/26/84	597/29/ 91	888/31/108	422/25/98	27/12/17
K2GM	42/10/20	200/17/62	583/31/ 94	1038/35/116	334/24/90	23/10/13
W2PV	58/10/22	256/22/68	532/27/ 89	1066/27/101	400/23/87	11/ 7/ 8

USA TOP MULTI-OPERATOR — MULTI-TRANSMITTER

W3WJD	91/13/29	290/22/73	637/31/100	1107/33/115	419/25/95	41/12/19
W3AU	62/10/25	218/21/64	646/32/101	961/32/114	465/25/90	46/15/25
W4BVV	47/11/28	338/26/84	597/29/ 91	888/31/108	422/25/98	27/12/17
K2GM	42/10/20	200/17/62	583/31/ 94	1038/35/116	334/24/90	23/10/13
W2PV	58/10/22	256/22/68	532/27/ 89	1066/27/101	400/23/87	11/ 7/ 8
W7RM	71/11/20	317/19/35	866/30/ 74	932/33/100	307/23/50	22/ 7/ 8

Single Band Honors

The world wide high single band score was contributed by CW3BR, a great 753K 14 MHZ effort. Yet some of the thunder was stolen away by Herb, KV4FZ, who set a new World High 1.8 MHZ record of 42,800, almost doubling his own previous record. Our congratulations to runnerups VE3BMV and K1PBW who also broke the old 1.8 MHZ world record. A fierce competition developed for top 7 MHZ world honors between W5WZQ and WB5DTX (operated by W5BJA), who both smashed the old USA record held by Dave, W5WZQ. Dave came out on top by 40K with a fine 322K score. Other top world wide single band scores were YV4CB—28 MHZ, 5Z4NI—21 MHz, and VR3AH—3.5 MHz. In the USA competition, single band winners included K5FVA —28 MHZ; W4WSF (now N4MM)—21 MHZ; K3MBF —14 MHZ; and W1MX—3.5 MHZ. W1MX, K1PBW and W5WZQ all broke old USA high single band records which they themselves previously held.

Continental Records

Besides those records already cited, many new continental records were set: EA8CR—African 1.8 MHZ record; UA9DN — Asian 14 MHZ record; PA0IHP—European 1.8 MHZ record; UA6LO—European 7 MHZ record; DJ6RX—European 14 MHZ record; KH6CHC—Oceania 1.8 MHZ record; VR3AH—Oceania 3.5 MHZ record; VK6HD—Oceania 7 MHZ record; 9Y4VT—South American single-op all band record; CT4AT—European single-op all band record; ZD8W—African multi-single record; GC4DAA—European multi-single record; and 5W1AZ—Oceania multi-single record. He who says that the sunspots have to be at peak to put in a record effort better look twice at this impressive list.

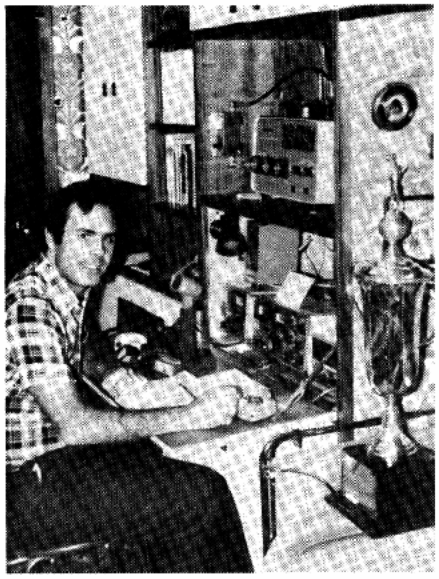
Low Point Record

Our heart goes out to those devoted operators who send in their scores each year knowing they fall well down in the competition. Without those operations, the high scores wouldn't be possible. Yet this year in both the Phone and CW Contest, this devotion seems to have reached a new high. Two zero, yes zero, point logs were received by the committee—to our knowledge the first such entrants ever. A special word of thanks to EA2LY, CW and OX3AB, Phone who now share the record for lowest ever score for honest competition participants with 5 contacts each, but zero points.

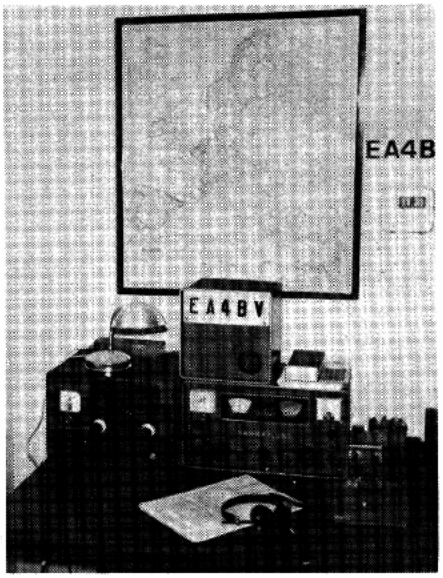
Duplicates and Busted Callsigns

As mentioned in last month's issue with the phone results, some new rule changes are being made effective this year, the most important of which is a requirement for check sheets (dupe sheets) from all entrants for each band on which they make 200 or more QSO's. This change is a result of continued problems with busted callsigns and duplicates in the logs received by the committee—not by everyone, but by enough of the entrants to slow down log checking to a halt at times. One entrant and an incredible unremoved 20% dupe rate last year, with as many as 3 appearances of the same call on the same page! Some have suggested that we allow entrants the option of submitting their logs without dupe checking with the understanding that they are to be assessed a fixed 10% or so reduction in score to compensate. But this places the burden on the committee of checking to see who's dupe rate exceeds the fixed percent, which would still require a lot of extra work by the committee. It would also lead to ambiguities about who really won when some scores are close.

The committee feels that the burden for removing dupes rests with the entrant himself, and that to be eligible for an award, the log should be carefully checked accordingly. If one can find the time to operate the contest, surely enough time exists to check the log for dupes. It astounds us that some

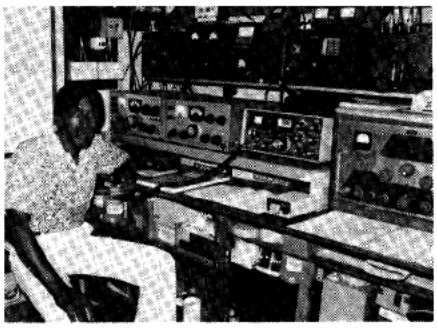


One of Europe's most active contesters, Inaki, EA2IA, shows his fine shack and one of the trophies from a previous contest.



Here's the operating position at EA4BV, an all band entry from Spain this year.

G3MXJ and G3FXB helped put the GC4DAA activity together and racked up a new European Multi-Single record.



Living proof that the 9M2's are still active, Eshee, 9M2FK proudly displays his shack.

New European 14MHz single band record holder Klaus, DJ6RX, takes a quick look at the camera during the contest.

Fourth in the all band category for Sweden, SM5VB displays a neat rig and resolves to move up in the standings next year.

entrants will carefully take the time to rewrite their entire log or to computerize it, yet they do not take the time to check the log. The new dupe sheet rule becomes more and more important in the face of the significant increase in log submissions each year and in light of recent changes in the *CQ* publication schedule.

Requests to the CQ WW Contest Committee

We urge all of you who plan to submit requests to the committee for logs, summary sheets, and rules to do so well in advance of the contest each year—the earlier the better. Delays in response to your requests are inevitable, due to the procedure used. The requests are first bundled up and then sent to the contest directors for a response. One way to shortcut some of the delay is to mail your requests regarding the WW contest directly to one of the directors (N6AR or K3EST). Lastly, all requests must be accompanied by an adequate amount of return postage. On this last point, we urge the overseas requesters to think twice before marking their SASE's "Airmail", because not very many log sheets (only about 3 or so) can be sent overseas for the first unit air mail rate.

Credit Where Credit Is Due

The tireless efforts of the 12 *CQ* WW Contest Committee members should not go unrecognized. Burning the midnight oil this year over heaps of logs of all sizes, shapes and shades were: K3ZO, Fred Laun; K6NA, Glen Rattmann; N2AA, Gene Walsh; N4MM, John Kanode; N6ZZ, Phil Goetz; W3GRF, Len Chertock; N6CW, Terry Baxter; W3ZZ, Gene Zimmerman; W6BHY, Jim Neiger; W6PVB, Fred Morris; W6JPH, Larry Weaver; and WB2SQN, Dave Donnelly. Again, thanks for a job well done. A word of thanks also to our *CQ* Contest Chairman, Frank Anzalone, who kept us on the straight and narrow this year and provided excellent suggestions and guidance.

1977 CQ WW Contest

The rules for the 1977 *CQ* WW Contest and the official announcement appear in this issue. We are sure that it will prove to be the big contest event of the year. With the sunspot minimum behind us now, conditions will be on the upswing. Hope to see you all in the pileup.

73, Larry, N6AR and Bob, K3EST

C.W. TROPHY WINNERS AND DONORS

Single Operator Single Band

World 14 MHz

CW3BR (Opr. Luis D. Matho, CX1EK/W4)

Donor: No. Jersey DX Assoc. (W2JT Memorial)

Europe 14 MHz

Klaus Heintzenberg, DJ6RX

Donor: G2LB Memorial from Friends

U. S. A.

J. Dawson Ransome, K3MBF (14 MHz)

Donor: No. Illinois DX Club

Single Operator All Band

World

KP4AST (Opr. Charles H. Margelli, K7VPF)

U.S.A.

Francis J. Donovan, Jr. W3LPL

Donor: Frankford Radio Club

Europe

CT4AT (Opr. Carl G. Kratzer, WA3HRV)

Donor: W3AU Operators

Carib./C.A.

John R. Alday, KP4DKX

Donor: Don Wallace, W6AM

Canada

M. W. Muench, VO1KE

Donor: Canadian DX Association

Africa

6W8A (Opr. Charles Jones, 6W8FP)

Donor: Gordon Marshall, W6RR

Asia

Nobuyasu Itoh, JA1KSO

Donor: Japan CQ Magazine

Oceania

Peter W. Watson, ZL3GQ

Donor: Maui Amateur Radio Club

Multi-Operator Single Transmitter

World

PJ9MM (Oprs. W1GNC, W3ZZ, WB3GSV, W8FAW)

Donor: Anthony Susen, W3AOH

Multi-Operator Multi-Transmitter

World

UK9AAN (Oprs. UA9AN, UA9ABA, UA9ACZ, UA9AEN, UV9AX, UW9BY)

Donor: Hazard Reeves, K2GL

Contest Expedition Trophy

World

C5AZ (Opr. Ville Hiilesmaa, OH2MM)

Donor: K2HLB Memorial Trophy (by Don Miller, W9WNV)

WORLD TOP SCORES

Single-Op. All Band	KP4AST	3,725,836	OA4AHA	1,564,250
	C5AZ	3,580,980	W3LPL	1,538,784
	9Y4VT	3,438,644	JA1KSO	1,473,605
	CT4AT	2,809,421	EA2IA	1,444,560
	VP2M	2,151,165	ZE1JV	1,375,946
Single-Op. Single Band	**28 MHz**		**7 MHz**	
	YV4CB	19,272	W5WZQ	322,383
	ZL2ACP	13,432	WB5DTX	284,900
	K5FVA	13,052	VK6HD	266,750
	AG6JFY	12,474	CX1BBL	212,139
	WB4OSN	5,964	UA6LO	205,082
	LU3DSI	4,746	4M4NQ	187,180
	21 MHz		**3.5 MHz**	
	5Z4NI	474,894	VR3AH	178,560
	VR1AA	252,408	OH1XX	120,365
	YU3ZV	184,926	DL6KB	114,240
	CX2AQ	172,126	W1MX	108,288
	IØMGM	151,011	YU4FDE	108,270
	UG6GAF	141,930	I3GNQ	107,016
	14 MHz		**1.8 MHz**	
	CW3BR	753,228	KV4FZ	42,800
	8PØA	639,756	VE3BMV	30,258
	DJ6RX	420,512	K1PBW	22,626
	FC9UC	415,740	PAØIHP	14,105
	PY7AKQ/8	375,180	G3UBR	11,376
	DJ2BW	358,800	OK1ATP	9,792
Multi-Op. Single Trans.	PJ9MM	3,698,545	5W1AZ	2,534,416
	9Y4A	3,683,295	GC4DAA	2,300,942
	ZD8W	3,652,143	PJ1AA	2,282,233
Multi-Op. Multi-Trans.	UK9AAN	4,859,348	W4BVV	3,704,400
	W3WJD	4,165,749	K2GM	3,290,688
	W3AU	3,796,562	W2PV	3,237,654

USA TOP SCORES

Single-Op. All Band	W3LPL	1,538,284	K4VX	1,151,403
	W1ZM	1,298,388	K6NA	1,130,880
	W2GXD	1,261,764	W4RX	1,119,144
	W6OUN	1,208,966	K3ZO	1,107,964
	K1GQ	1,167,450	W1YK	1,000,838
Single-Op. Single Band	**28 MHz**		**7 MHz**	
	K5FVA	13,052	W5WZQ	322,383
	WB4OSN	5,964	WB5DTX	284,900
	K5EWJ	4,520	WA7WXY	174,720
	W8WPC	4,280	W9VNE	144,440
	WA4EWX	1,586	K2LWR	115,050
	21 MHz		W7YTN	112,398
	W4WSF	113,634	**3.5 MHz**	
	W5MYA	102,816	W1MX	108,288
	WA8KCX	77,900	W7KW	29,580
	AC9LT	71,904	WA8JUN	28,471
	W4WHK	67,517	K5YMY	25,312
	K9BGL	67,465	K9OTB	23,940
			K6EBH	21,783
	14 MHz		**1.8 MHz**	
	K3MBF	297,084	K1PBW	22,626
	WB9LHI	279,342	W8LRL	6,660
	W8KFL	278,664	W4QCW	3,996
	K8HLR	267,150	W5USM	3,420
	WA1NKK	235,175	K4YFQ	3,344
	WB2RWY	230,956	W1BB/1	2,375
Multi-Op. Single Trans.	AA5LES	2,246,989	W2YD	1,487,250
	WA8ZDF	1,616,139	W7FU	1,460,410
	W1ZA	1,611,026	W3BWZ	1,328,880
Multi-Op. Multi-Trans.	W3WJD	4,165,749	K2GM	3,290,688
	W3AU	3,796,562	W2PV	3,237,654
	W4BVV	3,704,400	W7RM	3,000,380

USA QRM

I hate c.w. . . . W5TMN. When a Rhodesian contester said 'Sorry for the delay chaps, some bush pigs were outside in the garden', I knew why I like DX . . . WA5YTX. Had to work Thursday night and spend all day Friday setting up. Sunday night I had been up 78 hours . . . W5WMU. My biggest thrill was when I turned the rig on—it worked! . . . AA4MFK. First time I ever worked a c.w. contest without a c.w. filter. Good thing there was no stateside QRM . . . WB4OSN. Sure wish I could get through the WB9's to Europe . . . WA3SWF. Rough sliding with the heater in the house not working and 9 year old son getting first tooth . . . WB2GFE. Have separate kw hr meter for shack, used 9½ Kw hrs. Cost me about 50 cents for the juice . . . AC1CNU. I have more elements on my ten meter beam than I had contacts on that band . . . WA1STN. After 40,000 QSOs the dial drive broke on my R4C. Had to finish the contest with the T4X PTO . . . W2YD. A thrill to hear USSR stations on 3.5 MHz before sunset . . . WA8ZDF. We greatly enjoyed our contest challenge with the gang at W0HZ in the twin cities—especially since we won . . . WA0CPX. Now I'm convinced I need a rotary beam for 40 . . . WA1NRF. Our club's first DX Contest; we had a thrill . . . WB2RLO. My assistant operator, WA3YHT, just 16 years old, helped me beat his old man, WA3YGH, in our Frankford intra-club competition . . . W3BGN. Our fourth stunning upset—we got whipped again . . . WA3YGH. The tension rises when I get into the same pileup with my neighbor, W3FCS, where there's only a dits worth of difference . . . W3FCI. Tough in the Novice bands . . . WA4RVC. Operating on generator power in the Santa Cruz mountains, we averaged 57 QSO's per gallon of gas . . . K6QZ. My loyal second op WA6DJI handled most of the load since I was busy with a medical emergency in the family . . . W6BIP. For a newly licensed General class, all that high speed c.w. was really something . . . WA6JUD. Started late and stopped early—but wait till next year . . . K6LY. Linear blew—had to go low power during the entire test. Had more QSOs than with high power in '75 . . . AC0IUB. Where were the JA's on 15? . . . AC9LT. My first JA run on 40—new 3 element beam helped out . . . WA9BWY. Trying to catch the East Coast is tough—may have to move back to Florida . . . K9DX (ex WB4YLG, W9MEM). Heard about 25 JA's, but antenna to the west was not working on 3.5 MHz . . . WA8JUN. Never even heard Europe on 15 . . . WA7HRE. Cobwebs, dust and old boxes of gear dating back to WWII gave the shack an atmosphere which matches the conditions on 80 meters very well. . . . K6EBH

DX QRM

Not as well organized as for the Phone Contest, but watch our smoke next year . . . VE3DU. Enjoyed the first official multi-multi job from the Soviet Union. KP4AST was 10 over 9 on 80 . . . UK9AAN. Eighty meter antenna supported by two 365 ft. towers . . . SK5AJ. Thanks to the JA's and Europeans. Who said it couldn't be done from North America . . . KP4AST (op K7VPF). My first CQ WW CW Contest . . . UC2ABT. Straight key! Ouch! . . . VE1BHA. All I want for Christmas is a two letter call and a ten meter opening . . . WA1RFM/VP9. Worked 6 new countries for a total of 129 countries with 5 watts; worked 20 new band countries! . . . OA8V. Again had a great thrill operating FP0BG, thanks to FP8DX for such wonderful hospitality . . . VE1AIH. Pileups unbelievable —40 watts output sure got out . . . VP2MNR. It was very difficult to work Asia and the Pacific—bad conditions . . . CX2AQ. My first experience on 14 MHz band—W/K signals were very strong, 599 + 60 . . . YV1OB. There was a lot of activity, but very poor conditions for Africa, Europe and Oceana . . . PT2JB. After a few hours my rotor wouldn't work; then a relay in the rig failed; finally, an earthquake on Saturday night. All in all, a great contest . . . OA4AHA. Great opening on 160 to Europe—too bad KV4FZ was around again . . . VE3BMV. Had planned for 40 meters. Chip, K7VPF and Jim, W6BHY helped with the beam, but it failed at the beginning of the contest. As I jumped down to 160 I found Yuri, VE3BMV gobbling up my world record, which he had done the year before on 160 s.s.b. . . . KV4FZ (Look carefully at *the results again, Herb—ed.).*

U.S.A. Club Scores

Potomac Valley Radio Club	58,759,204
Frankford Radio Club	40,327,168
Northeast Contest Club	26,176,943
Western Washington DX Club	24,323,176
Murphy's Marauders	22,755,575
Northern California DX Club	21,253,224
Texas Association of Contest Operators	15,200,312
Southeast DX Club	12,911,035
Northern Florida DX Association	11,851,366
Southern California DX Club	9,223,679
San Diego DX Club	7,344,617
Southern California Contest Club	5,782,638
Wireless Institute of the Northeast	4,922,309
Southern Florida DX Club	3,950,576
Northern California Contest Club	3,879,698
Indy DXers	3,850,050
Arizona DX Club	3,133,200
Northern Illinois DX Association	2,824,219
Central Virginia Contest Club	2,823,552
Texas DX Society	2,690,212
Michigan DX Association	2,329,904
Virginia Century Club	1,253,951
Delta DX Association	1,011,986
Four Lakes Amateur Radio Club	715,158
Eastern Iowa DX Association	688,835
Mad River Radio Club	677,983
McDonald Douglas Radio Club	527,364
Bluegrass Amateur Radio Club	467,733
River Rats Amateur Radio Club	320,816
CW Contest Conspiracy	281,704
South Jersey Radio Association	268,937
Intercity Radio Club	173,348
Alamo DX Club	133,988

DX Club Scores

Rhein-Ruhr DX Association	23,095,211
Kaunas Polytechnic Institute Radio Club	11,298,518
Saar/Pfalz DX Club	9,068,284
South German DX Group	8,359,640
Toronto DX Club	8,054,633
Voroshilovgrad Radio Club	5,229,601
Channel Contest Group	3,589,537
Lvov Radio Club	3,344,936
Far East DX Ploiters	3,095,205
OA4 DX Hunters	2,305,771
SP DX Club	703,560
Uruguay DX Club	609,576
Winnipeg DX Club	523,524
Kiev Radio Club	518,472
Honolulu DX Club	471,403
Tallinn Radio Club	426,272
Worcester District Amateur Radio Club	274,239
CW YV Club	230,923
Danish DX Group	184,917
Nagaokakyo DX Club	50,967

Number groups after call letters denote following Band (A-all), Final Score, Number of QSOs, Zones and Countries. Certificate winners are listed in Bold Face.

ALL BAND NORTH AMERICA SINGLE OPERATOR

United States

W1ZM A 1,298,388 1,200 98 279
(Opr. WA2CLQ)
K1GQ " 1,167,450 1,130 91 271
W1YK " 1,000,835 1,021 86 255
(Opr. WA1JLD)
WA1STN " 892,852 881 89 269
W1RR " 783-941 876 86 231
W1DAL " 688,744 712 85 258
W1YN " 611,826 678 82 239
WA1NZT " 463,797 638 75 186
W1YG " 408,672 590 74 184
W1BIH " 353,274 438 77 214
K1RQE " 332,322 411 84 207
W1HFB " 250,594 415 59 155
W1OR " 199,448 300 64 169
W1HCQ " 192,085 336 60 145
WA1WEM " 187,944 352 57 134
W1HX " 132,086 232 63 148
W1GPK " 122,808 251 53 119
W1FJJ " 103,680 213 57 123
W1HUY " 91,800 270 34 86
W1JAA " 89,110 176 56 134
W1SD " 80,152 171 51 121
W1WY " 79,632 179 53 115
W1PL " 72,850 174 51 104
AA1UAC " 71,883 173 49 114
W1DK " 58,890 167 45 106
W1CDC " 57,810 173 40 83
AC1CNU " 52,924 157 44 87
W1JFL " 52,404 147 38 94
K1NH " 45,045 141 36 81
K1RQF " 43,407 143 32 85
WA1JZC " 42,229 128 38 83
WA1HXH " 32,857 119 32 71
W1YZL " 27,170 106 43 67
K1IIK " 25,272 115 19 59
W1OPJ " 8,262 56 14 37
W1PLJ " 6,321 47 17 32
W1PWK " 4,888 36 17 35
AA1POJ " 2,442 24 14 23
K1GAX " 2,065 24 15 20
WA1FCN 21 3,360 41 11 21
WA1NKK 14 235,175 719 27 88
WA1RGW " 108,225 487 17 58
WA1UWR " 27,158 129 18 56
W1ZIY " 20,824 100 19 57
K1WJL " 20,230 103 17 53
K1NOL 7 102,816 335 26 82
K1TZQ " 22,648 116 22 54
W1MX 3.5 108,288 403 21 75
(Opr. WA8WNU)
WA1YUZ " 1,755 32 9 65
K1PBW 1.8 22,626 157 15 39
W1BB/1 " 2,375 32 8 17

W2GXD A 1,261,764 1175 99 279
K2BMI " 876,026 853 95 263
K2SB " 590,240 746 74 206
W2HMH " 415,777 533 73 204
WA2JEK " 378,000 506 76 194
(Opr. WA2UOO)
WB2RJJ " 353,466 561 62 157
W2LYL " 329,364 476 73 179
K2FL " 267,376 362 76 196
WA2VYA " 199,800 363 62 138
K2TD " 150,692 282 58 144
WB2HZH " 124,100 276 47 123
WA2AEJ " 122,820 260 53 125
W2EUO " 78,067 202 40 111
W2HUG " 46,550 140 41 92
WA2ZBW " 37,120 126 37 79
W2SGK " 26,260 95 31 70
WA2YPF " 22,260 91 27 57
AA2AUB " 19,136 77 38 66
W2DF " 16,992 70 34 62
W2LKH " 16,037 71 23 56
WA2CXQ " 10,812 61 26 42
W2HBT 21 65,170 244 23 72
AA2HZR " 26,904 130 20 56
WA2PAT " 2,028 29 9 17
WB2RWY 14 230,956 685 27 89
K2IGW " 192,456 615 26 82
W2BA " 127,124 363 26 96
W2NY " 85,902 289 24 79
(Opr. WA2YCQ)
AA2ZWH " 28,656 139 20 52
WB2GFE " 20,760 126 17 43
WB2SZO " 11,220 73 18 37
W2FTY " 8,190 57 16 37
W2MPP " 760 14 7 13
K2LWR 7 115,050 345 30 88
K2RR 3.5 17,516 109 12 46

W3LPL A 1,538,784 1149 117 351
K3ZO " 1,107,964 1146 83 255
K3GJD " 944,820 954 90 258
W3GRF " 822,952 919 85 243
W3AP " 721,112 812 87 229
AA3KOC " 571,320 867 66 164
W3KWB " 507,200 587, 90 227
(Opr. WB3AJQ)
K3II " 389,844 514 73 200
W3OV " 353,256 498 66 180
W3AZ " 343,156 504 67 175
K3TOL " 302,940 427 68 187
W3PZW " 277,680 420 71 169
W3NZ " 274,309 391 73 190
W3JSX " 262,911 374 69 188
WA3SZI " 247,292 419 60 151
AC3GID " 210,572 319 67 177
K3AV " 201,586 315 61 177
W3KV " 195,661 385 56 125
WA3WRO " 194,181 404 53 116
W3GRS " 189,588 306 64 158
W3KFQ " 164,560 330 56 120
WB2JYM/3 158,470 267 69 161
K3KS " 151,206 299 54 120
W3BB " 102,582 285 33 90
AC3HDH " 94,326 220 47 111
W3KT " 92,536 206 52 120
W3GU " 84,972 210 44 102
K2PLF/3 " 55,211 160 43 94
WB3AVN " 51,940 145 43 97
W3GL " 48,576 137 46 92
W3CV " 47,190 124 48 95
W3HVM " 31,209 112 36 65
WB3AOP " 31,137 117 29 68
WA3RSK " 19,110 84 35 56
K3WX " 18,615 78 32 53
W3EVW " 18,318 82 26 60
K3HWL " 14,555 72 24 47
W3YFV " 13,400 73 25 42
W3TN " 12,060 65 27 40
K3BSY " 10,860 62 19 41
W3KA " 10,260 63 17 40
WB3BKD " 10,248 67 18 43
WA3GVP " 9,804 48 29 47
W3DRD " 495 12 6 9
K3JGJ 21 9,020 61 17 38
WA3ARX " 2,492 36 9 19
K3MBF 14 297,094 890 28 86
WA3SWF " 221,130 651 28 89
W3IGQ " 211,423 647 27 86
W3HW " 69,625 197 29 96
W3GK 7 43,808 169 26 67
W3GZQ 3.5 4,860 60 8 28

K4VX A 1,151,403 983 112 295
W4RX " 1,119,144 967 111 297
WB4AEX " 851,200 860 99 251
K4PQL " 850,896 970 85 226
W4YWX " 747,656 810 93 245
K4LRO " 675,454 781 89 224
W4QQN " 633,736 741 89 207
AD4BAI " 518,058 617 87 219
W3ZKH/4 " 500,938 594 78 220
W4KFC " 492,336 578 85 227
K4SB " 425,880 464 96 242
K4TBN " 386,100 443 96 234
W4YZC " 309,024 471 62 170
K4JWD " 270,556 416 72 170
K4CL " 267,794 381 84 173
K4DTD " 236,307 387 66 161
W4BV " 227,076 353 76 178
K4EZ " 223,510 399 59 147
W4DM " 170,355 298 57 148
W4EI " 151,488 297 53 139
WB4DHO " 150,735 290 63 132
K4VT " 150,280 316 49 121
AD4JGI " 133,584 266 48 136
W4KNW " 132,800 252 61 139
W4HOS " 129,168 230 68 140
AA4SHL " 110,783 281 40 99
WA4GQI " 89,430 198 55 110
WA4IAR " 88,270 186 66 116
W4ZM " 87,165 216 49 100
K4KZP " 81,829 185 58 115
K4JM " 81,530 191 48 107
AA4UFW " 77,252 226 34 90
W4RW " 69,010 187 40 94
K4UEE " 62,034 153 57 90
AC4EDB " 49,046 130 47 90
AA4WYN " 36,782 128 33 73
W4MWT " 35,581 116 39 80
K4EF " 26,040 96 39 66
K4KA " 24,465 88 37 68
W4EZ " 24,416 91 39 70
W4GF " 20,056 95 29 59
WA4LWO " 21,939 86 35 68
AB4FOT " 21,331 97 28 55
K4FOK " 17,860 81 25 51
AB4WHE " 7,475 54 30 35
WA4MSX " 5,311 47 18 29
AA4MFK " 4,715 43 15 26
W4GTS " 4,067 34 19 30
W4BTZ " 777 14 10 11
WB4OSN 28 5,964 67 15 27
WA4EWX " 1,586 24 11 15
W4WSF 21 113,634 370 23 84
W4WHK " 67,517 227 24 83
WA4DRU " 36,960 162 20 64
WA4OAE " 24,336 120 20 52
WA4HPF " 23,058 128 20 43
WA4CTA " 17,732 105 17 45
WB4KTR " 2,856 35 13 21
W4AAV 14 191,520 523 30 96
WB4DIU " 188,890 509 28 102
K4OLQ " 40,704 156 23 73
K4WLS/4 " 16,488 91 18 54
W4ZWZ " 4,284 43 12 24
W4EFO " 1,830 21 9 21
WB4OGW 7 87,575 283 28 85
WB4QKE " 60,700 220 26 74
WA4APG " 14,136 92 19 38
WA5FZG/4
3.5 54 3 3 3
W4QCW 1.8 3,996 46 11 26
K4YFQ " 3,344 38 12 26
K4QMQ " 2,340 35 9 21
WA4SGF/M4 946 42 8 14
W4BAA " 612 17 6 12
AC4WRY " 384 13 6 10

W5WMU A 711,075 887 92 193
(Opr. W5RTX)
W5ZSX " 234,900 338 87 174
W5SBX " 233,825 378 82 153
K5TSQ " 142,020 289 63 117
WA5UCT " 119,232 232 67 125
W5UO " 98,102 212 65 116
W5TMN " 94,010 289 49 70
K5ETA " 90,420 304 61 104
W5OB " 71,736 188 49 98
W5VIW " 64,690 146 63 107
W5RRR " 23,760 82 40 68
W5JC " 21,948 92 36 57
K5RRG " 12,312 75 35 46
K5DB " 960 18 10 10
K5FVA 28 13,052 133 17 35
K5EWJ " 4,520 47 15 25
W5MYA 21 102,816 362 24 78
AB5DDI " 24,830 144 19 46
W5EIJ " 620 12 9 11
K5BGB 14 200,561 554 30 101
WA5RTG " 176,229 592 27 80
W0PCO/5 " 132,093 416 26 91
WA5YMW " 54,050 212 24 70
W5WZQ 7 322,383 907 33 90
WB5DTX " 284,900 903 31 79
(Opr. W5BJA)
WA5YTX " 14,260 87 23 39
K5YMY 3.5 25,312 166 14 42
WA5VDH " 18,830 130 18 52
K5VTA " 13,878 101 16 38
W5USM 1.8 3,420 42 12 24
K5JVF " 779 23 6 13
K5QHS " 558 17 7 11

W6OUN A
1,208,966 1,380 109 189
(Opr. WB6OLD)
K6NA " 1,130,880 1,294 105 199
K6PU " 868,395 1,095 101 176
W6PLH " 789,225 1,087 99 156
K6SE " 507,150 768 91 154
W6RR " 486,288 667 90 174
K6DC " 480,960 700 79 161
W6OKK " 448,448 755 76 132
AD6SDR " 442,011 622 88 163
K6AO " 402,480 604 86 154
K6RU " 390,980 775 68 105
W6CF " 297,414 561 77 109
W6EYY "227,088 530 60 92
W6NKR " 223,437 371 82 131
K6DR " 177,722 457 62 85
W6US " 160,599 388 58 83
W6MUR " 136,458 285 61 110
K6YK " 130,508 311 62 96
K6LLE " 129,184 272 71 106
AA6EPQ " 121,520 341 53 71
K6HIH " 112,240 427 34 58
W6SC " 110,088 279 59 80
W7CB/6 " 96,424 255 53 83
WA6AHF " 91,195 278 45 70
W6BA " 87,291 193 53 106
W6PN " 81,486 185 59 103
K6OC " 63,246 173 52 75
W6BZE " 61,585 199 43 70
W6ABT " 59,160 138 57 79
WB6CQY " 58,813 214 46 57
WA6TLA " 58,240 196 41 71
AC6CLM " 53,000 184 44 62
K6MA " 50,779 183 47 56
K6YGS " 47,565 168 42 63
W6PRP " 47,125 140 53 72
K6RK " 41,496 144 48 66
W6ISQ " 36,308 112 41 75
AA6LBP " 29,400 108 46 52
W6MTJ " 27,639 138 37 46
W6BJH " 25,615 187 21 26
K6CN " 24,817 115 38 45
K6OZI " 24,472 113 31 45
K6CYX " 19,206 110 30 36
K6IXS " 16,502 93 32 42
K6TZX " 12,580 72 27 41
W6IA " 7,584 59 25 23
WA6UAV " 4,343 47 22 21
AA6ORJ/6 3,828 41 22 22
W6QDE " 2,726 32 11 18
K6TG " 1,701 24 14 13
WB6FCE " 1,595 20 14 15
W6EJA " 1,386 26 9 9
AA6PGB 21 65,712 311 24 50
W6KNE 14 27,140 173 20 39
W6FF " 24,090 119 24 49
W5TES/6 " 23,042 197 18 23
K6EBH 3.5 21,783 153 18 35
AA6MQS " 9,604 140 12 16
K6BCE 1.8 1,485 42 10 17

W7IR A 843,865 891 107 228
K7RSC " 477,714 800 73 133
K7DZ " 413,205 878 65 104
K7HOZ " 260,190 631 52 95
W7YBX " 190,320 512 54 76
W7WMY " 180,752 413 66 92
W7HAD " 152,874 476 47 67
AA7JCB " 109,779 348 46 65
W7ZMD " 101,996 256 70 102
W7LZF " 88,320 232 60 78
W7LR " 56,592 189 40 68
K7MOK " 17,280 133 25 29
W7NP " 14,271 75 33 34
WA7RKJ " 10,340 124 12 32
W7MCU " 7,168 42 31 33
AB7ALT " 6,120 50 20 25
W7JEG " 4,125 49 17 16
AA7OBL " 1,485 21 14 13
K7EFB " 1,045 20 9 10
WA7HRE 21 38,610 213 22 44
W7AYY " 16,032 117 18 30
WA7TIM 14 106,571 473 26 53
W7DAZ " 97,740 393 26 64
W7DNU " 80,080 333 26 62
K7CHT " 1,584 35 8 8
WA7WXY 7 174,720 713 28 56
W7YTN " 112,398 495 26 52
W7KW 3.5 29,580 193 20 40
(Opr. WA7YRP)
W7JLU " 18,788 159 16 28
W7YN 1.8 540 24 7 8

WB6NRK/7
" 391 13 7 10
K8MFD A 452,568 506 86 241
K8ETO " 287,268 462 70 152
WA8CZH " 172,144 288 75 157
WB8FOS " 147,018 230 56 158
W8TWA " 111,540 246 51 114
AB8IJW " 91,815 200 56 128
WA8KME " 71,448 174 50 106
W8DSO " 65,893 179 36 95
AC8GOC " 57,652 155 50 92
W8YGR " 33,000 102 38 82
W8WVU " 29,321 119 41 68
WB8WHS " 19,608 93 25 51
AD8JPF " 12,400 69 35 45
W3GN/8 " 3,960 42 18 27
K8PYD " 1,025 15 11 14
W8WPC 28 4,280 43 16 2
WA8KCX 21 77,900 290 24 71
W8VSK " 17,000 91 18 50
W8KFL 14 278,664 745 30 98
K8HLR " 267,150 719 31 99
K8UQA " 177,057 598 25 78
AC8BDO " 160,688 472 27 94
WA8GLY " 154,098 434 28 98
AB8UKX " 91,665 305 28 77
K8YQW " 41,340 186 21 57
K8LUU 7 28,798 163 23 54
WA8IUN 3.5 28,471 158 15 56
W8LRL 1.8 6,660 59 15 30
K8WOT " 1,430 30 9 17
K9DX A 806,958 816 96 257
WA9BWY " 470,820 609 83 212
K9KGA " 293,632 443 80 168
W9OHH " 251,968 383 76 172
W9RX " 233,580 322 71 184
W9PJT " 145,080 296 59 121
K9UTN " 133,406 274 62 120
K9QXY " 87,376 190 62 111
AB9CGL " 69,696 187 50 94
AD9UIY " 59,250 194 43 82
W9HR " 20,832 84 36 60
W9NA " 18,292 93 20 48
W9YYG " 8,122 55 24 38
W9UDK " 2,432 24 16 22
AC9LT 21 71,904 273 23 73
K9BGL " 67,465 241 26 77
WA9LZA " 35,112 151 23 65
AC9ZTD " 33,930 164 21 57
WB9KLB " 31,668 155 21 57
W9OWZ " 28,397 142 20 53
W9GIL " 26,300 132 18 57
WB9LHI 14 279,342 766 28 98
W9KNI " 160,128 440 31 97
WA9PBK " 159,720 476 31 89
K9CLO " 90,842 305 26 80
K9DAF " 51,801 199 22 71
K9AB " 49,049 191 22 69
K9TZH " 35,690 156 24 57
W9VNE 7 144,440 468 29 86
W9CH " 30,554 142 25 58
WA9EJD " 16,128 99 22 42
W9HLY " 15,407 80 21 50
K9OTB 3.5 23,940 113 21 55
AC9PNE " 3,036 41 10 23
AD9UKM " 2,349 38 9 20
W9DL 1.8 720 22 6 14

AC0IUB A 115,204 262 59 107
WA0TAS " 73,628 181 57 101
W0FHE " 54,880 155 51 89
AC0MHK " 53,040 148 48 88
WA0FBQ " 50,270 176 37 71
WA0GSG " 39,528 125 48 74
AB0IPH " 22,504 90 32 65
WA0YEF " 17,010 70 32 58
W0PRY 21 12,852 70 20 48
K0FLY 14 97,800 347 25 75
WA2WMT/0 48,921 260 19 50
W0HBH " 8,424 60 17 35
AA0UBW 7 1,197 24 9 12

(Continued on page 86)

OK3CWS	"	1,254	55	5	17
OL5ATZ	"	833	50	2	15
OK2PAW	"	816	49	3	13
OK1MNW	"	800	38	2	14
OK2BQL	"	728	52	2	12
OL8CGI	"	700	54	2	12
OK3CEI	"	660	48	2	13
OL9CFE	"	546	42	2	12
OL6AUL	"	494	41	2	11
OK2PDL	"	378	27	2	12
OK1JER	"	252	33	2	7
OK1AYY	"	180	13	3	9
OK3CAA	"	165	16	2	9
OL8CHI	"	63	12	2	5
OK3CFT	"	18	4	2	4

Denmark

OZ1VY	**A**	**322,560**	**619**	**64**	**160**
OZ6XT	"	51,168	174	45	78
OZ6XR	"	42,344	508	15	64
OZ5QU	"	34,485	165	34	61
OZ2NU	"	19,392	140	25	76
OZ7LF	"	16,368	172	16	15
OZ8E	"	13,823	63	7	17
OZ1AJL	"	4,968	90	11	25
OZ7SG	"	3,800	52	15	38
OZ5DP	"	1,924	44	11	26
OZ7JZ	"	1,118	17	10	16
OZ5WQ	"	798	17	11	8
OZ8XO	"	238	14	5	12
OZ1LO	**14**	**209,196**	**818**	**26**	**82**
OZ8XW	"	3,780	60	11	24
OZ1BCI	"	2,760	54	9	21
OZ7YL	**7**	**55,514**	**271**	**24**	**58**
OZ2E	"	38,192	244	20	57
OZ7HT	**3.5**	**58,752**	**654**	**14**	**54**
OZ7BQ/4	"	5,922	129	6	36

England

G3DYY	**A**	**184,800**	**497**	**61**	**139**
G4EHF	**"**	**129,624**	**542**	**34**	**98**
G3YBH	"	121,344	477	38	90
G3XBN	"	82,320	422	36	111
G2AJB	"	66,740	303	38	104
G8DI	"	46,330	320	27	86
G3MWZ	"	10,990	97	21	49
G3ILO	"	13,082	118	20	42
G6NK	"	8,512	122	15	23
G3RZI	**21**	**100,674**	**511**	**27**	**75**
G4CNY	"	67,396	360	23	60
G3DOG	"	6,840	59	17	28
G3HCT	**14**	**286,552**	**1,081**	**30**	**89**
G3KDB	**"**	**238,875**	**1,022**	**26**	**79**
G3TXF	"	183,872	840	26	78
G3PVA	"	73,834	491	20	47
G3GRL	**7**	**114,456**	**578**	**28**	**86**
G3XKR	"	39,072	348	16	58
G3HTA	"	35,360	282	18	62
G3TVW	"	31,752	298	15	57
G4DBW	"	648	36	4	14
G3HZL	**3.5**	**20,678**	**268**	**10**	**39**
G4BBA	"	6,072	87	10	34
G3UBR	**1.8**	**11,376**	**197**	**9**	**27**
G3YMC	"	3,575	122	5	20

Finland

OH1VR	**A**	**307,582**	**698**	**62**	**180**
OH8PE	**"**	**105,798**	**485**	**36**	**118**
OH6MM	"	92,316	364	37	120
OH7UE	"	74,947	288	43	106
OH2BME	"	50,924	222	37	79
OH7NW	"	35,056	192	27	85
OH2KP	"	25,397	147	33	76
OH2PQ	"	21,311	129	29	72
OH3FW	"	20,938	142	27	67
OH2VZ	"	16,560	125	23	57
OH9TD	"	11,481	81	24	65
OH1FM	"	3,520	66	11	33
OH6RA	"	1,296	20	12	12
OH6RF	"	975	25	8	17
OH4SL	**21**	**33,600**	**171**	**26**	**74**
OH1WF	"	13,232	95	21	46
OH2BAH	"	13,148	71	22	54
OH6UJ	"	4,704	47	14	34
OH3PF	"	168	6	6	6
OH3TA	"	24	2	2	2
OH3GG	"	1	1	1	6
OH6KN	**14**	**274,184**	**1,029**	**29**	**83**
OH2BJH	**"**	**122,304**	**553**	**23**	**75**
OH3TQ	"	76,000	408	22	73
OH6ID	"	39,130	309	17	53
OH2JQ	"	30,003	194	17	56
OH7QU	"	30,000	294	14	46
OH5RZ	"	28,215	280	14	41
OH5PA	"	23,100	165	15	45
OH2BCD	"	17,343	196	15	32
OH2PW	"	11,270	93	15	34
OH2BQT	"	6,747	88	11	28
OH1MQ	"	5,733	58	13	26
OH3NM	"	5,000	52	14	36
OH1PG	"	4,154	63	9	22
OH3ZH	"	2,706	40	9	24
OH2LU	"	2,318	56	6	13
OH6VV	"	540	15	7	13
OH1IJ	**7**	**101,365**	**587**	**24**	**73**
OH1PS/2	"	83,482	540	23	66
OH1IG	"	58,090	506	20	54
OH8OB	"	14,326	177	12	46
OH9NV	"	11,024	142	14	39
OH2BPA	"	2,310	67	5	28
OH4AB	"	108	10	4	5
OH1XX	**3.5**	**120,365**	**824**	**22**	**73**
OH1VQ	"	56,429	543	16	57
OH2BCI	"	51,604	448	17	59
OH6RC	"	16,632	238	10	46
OH7OK	"	15,288	234	12	40
OH6TI	"	9,699	112	11	42
OH7UV	"	72	7	4	4
OH1VA	**1.8**	**2,289**	**106**	**5**	**16**

France

F6EID	**A**	**389,844**	**955**	**60**	**161**
F6ARC	**"**	**369,344**	**1,000**	**54**	**145**
F8VJ	"	270,837	573	55	134
F6BFN	"	185,706	552	49	122
F8NL	"	137,751	535	33	78
F6ERZ	"	71,173	308	36	67
F9BB	"	70,485	268	35	92
F6EBN	"	61,798	361	31	75
F8TM	"	56,492	258	32	84
F2VO	"	51,072	295	28	84
F6API	"	42,583	225	28	69
F6DNR	"	38,106	213	29	58
F2PC	"	32,476	205	27	65
F5RS	"	13,384	91	20	36
F6BQJ	"	6,732	57	19	25
F6EQI	"	5,859	87	18	17
F6CRT	**21**	**26,400**	**184**	**19**	**31**
F6DIM	"	21,428	203	15	29
F5UL	**14**	**39,440**	**273**	**16**	**52**
F6BFH	"	12,321	154	13	24

Germany (FRG)

DK3GI	**A**	**1,200,457**	**1,617**	**80**	**277**
DL7AV	**"**	**890,590**	**1,032**	**99**	**271**
DJ5JH	**"**	**705,640**	**1,000**	**77**	**222**
DJ9MH	"	494,172	1,008	70	189
DK4PH	"	403,357	815	65	186
DL7BQ	"	353,106	765	68	166
DJ0XT	"	316,436	599	68	171
DL3LU	"	265,823	522	64	177
DJ4ZR	"	237,300	599	49	126
DJ4US	"	221,400	521	56	149
DJ6BW	"	201,240	649	44	156
DK3KD	"	195,228	538	61	143
DJ2TI	"	181,940	455	63	157
DK5AD	"	155,736	512	48	120
DL1JF	"	137,922	356	50	131
DJ6QL	"	118,424	474	40	91
DL2HQ	"	101,794	332	44	110
DL9PQ	"	96,280	343	44	101
DL1YA	"	93,219	292	45	116
DK5MP	"	85,371	332	35	108
DF2RQ	"	81,648	330	44	82
DL4TJ	"	71,220	333	27	85
DL8BU	"	67,340	309	41	99
DJ4AN	"	66,092	374	30	94
DK8KC	"	64,325	305	31	84
DJ4FJ	"	59,272	262	38	86
DL1MD	"	56,115	211	37	92
DJ1LD	"	50,540	198	41	92
DL8YR	"	48,768	214	40	88
DJ6OZ	"	41,148	210	30	78
DJ1YH	"	38,304	154	27	69
DL8DF	"	31,295	163	36	83
DJ2UU	"	30,528	169	30	64
DF3QN	"	26,544	183	17	62
DL8TV	"	22,704	162	26	60
DL3CW	"	20,475	140	22	53
DK6CS	"	12,939	92	22	35
DK9NH	"	8,525	76	18	37
DJ4PT	"	3,050	59	18	32
DF2RG	"	195	11	6	9
DL7AA	**28**	**1,029**	**30**	**6**	**15**
DK1VN	**21**	**78,676**	**373**	**25**	**66**
DJ6RX	**14**	**420,512**	**1,240**	**32**	**104**
DJ2BW	**"**	**358,800**	**1,004**	**31**	**99**
DJ7RJ	"	92,824	432	22	60
DJ5PA	"	91,078	529	20	42
DK1FQ	"	85,905	537	25	58
DL1RB	"	30,124	234	19	49
DF4FR	"	28,182	184	21	40
DJØVO	"	11,760	131	10	25
DJØUJ	**7**	**127,182**	**756**	**23**	**71**
DK6PY	"	64,220	609	19	57
DL7RV	"	1,738	259	10	45
DL6KB	**3.5**	**114,240**	**849**	**20**	**64**
DLØKL	"	73,036	670	14	62
DJ2AA	"	69,600	562	15	65
DJ3KR	"	50,743	453	15	62
DK8NG	"	36,432	419	12	57
DK5LH	"	18,150	346	7	43
DK8AX	"	2,541	78	5	28
DJ8FRA	**1.8**	**5,628**	**169**	**6**	**22**
DJ6TK	"	2,142	126	3	5
DK6AJ	"	1,173	67	3	14

Germany (GDR)

DM2AYK	**A**	**891,863**	**1,614**	**75**	**226**
DM3YSO	**"**	**324,918**	**920**	**54**	**144**
DM3XBF	**"**	**144,088**	**535**	**44**	**122**
DM2CUJ	"	133,419	500	41	102
DM4TEK	"	127,764	454	37	119
DM3NKF	"	91,205	444	30	115
DM5IG	"	84,594	490	29	109
DM2BPF	"	64,800	203	39	105
DM3VAA	"	59,658	331	29	93
DM3ZC	"	57,566	329	27	80
DM2DEO	"	50,895	137	52	83
DM5UUL	"	43,688	140	53	74
DM4NJJ	"	43,228	285	25	82
DM3EA	"	40,656	119	48	73
DM2CHM	"	34,560	109	43	77
DM2BTO	"	30,044	150	33	83
DM4ZEL	"	25,501	147	35	64
DM2BGC	"	25,122	161	27	52
DM2CJJ	"	23,408	151	25	51
DM2AXC	"	19,522	181	19	67
DM3CJ	"	16,985	132	25	54
DM4NEE	"	12,986	94	28	58
DM3XCJ	"	9,362	77	17	45
DM4ZBK	"	7,560	66	23	47
DM2CMM	"	6,497	65	17	56
DM2CRJ	"	4,100	72	12	29
DM3XMJ	"	2,490	47	13	17
DM2YLO	"	2,450	38	13	22
DM2CMA	"	2,255	51	11	30
DM3DE	"	1,856	29	10	22
DM3ZIM	"	1,075	33	9	16
DM4ZUJ	"	700	25	9	19
DM4RDA	**21**	**26,492**	**147**	**20**	**54**
DM2BLE	"	9,996	81	16	33
DM3UE	"	3,939	37	15	24
DM2BML	"	2,139	34	11	20
DM4VUG	**14**	**37,554**	**260**	**18**	**48**
DM2CYE	"	13,715	99	19	46
DM3VMJ	"	12,342	130	14	37
DM2FIL	"	11,931	117	14	27
DM2CKJ	"	6,149	84	11	32
DM3XUE/A	"	6,027	54	16	33
DM2FDO	"	4,644	68	12	24
DM2BUB	"	3,584	47	12	20
DM3CF	"	1,944	42	8	10
DM2FBM	"	946	19	10	12
DM2CTD	"	560	29	5	9
DM3WMJ	**7**	**22,100**	**227**	**15**	**53**
DM2FDM	"	13,662	228	9	45
DM2FFL	"	5,016	114	9	29
DM2YVL	"	3,115	70	8	27
DM2DXO	"	1,860	40	6	25
DM2DZG	"	1,540	29	9	19
DM2FEH	"	860	43	4	16
DM5PBN	**3.5**	**10,480**	**249**	**5**	**35**
DM4SL	"	6,976	236	5	27
DM3WPL	"	3,052	112	4	24
DM4WPF	"	2,976	98	5	26
DM3TKL	"	2,178	101	4	18
DM2CYO	"	1,540	62	4	21
DM6PAF	"	1,308	60	5	15
DM3VGC	"	1,224	53	4	20
DM3YPE	"	840	18	7	13
DM2FHH	"	817	43	3	16
DM3UFF	"	684	38	4	14
DM2CUA	"	528	18	6	16
DM2CJF	"	360	23	4	11
DM2CDD	"	240	20	2	10
DM5UNH	"	210	30	2	5
DM2BUF	"	12	4	1	2

Greece

SV0WTT	**3.5**	**9,350**	**148**	**9**	**41**

Hungary

HA5KF	**A**	**88,312**	**347**	**40**	**93**
HA7SQ	**"**	**74,724**	**237**	**48**	**108**
HA6ZV/P	"	74,266	351	38	104
HA5JK	"	45,024	264	32	80
HA1ZU	"	41,470	267	37	79
HA5MD	"	32,422	258	28	58
HA7SU	"	12,415	169	13	52
HA5BA	"	12,006	175	15	43
HA2MG	"	9,504	87	20	52
HA8VG	21	1,320	31	7	8
HA8KCP	**14**	**174,608**	**778**	**28**	**84**
HA5LZ	"	54,055	240	25	70
HA8CH	"	11,252	115	15	43
HA5NG	**7**	**38,033**	**405**	**16**	**57**
HAØLJ	**"**	**26,605**	**343**	**13**	**44**
HA3GI	"	13,750	186	11	39
HA3GD	"	4,000	83	8	32
HA1YA	**3.5**	**82,417**	**1,171**	**14**	**59**
HAØKLE	**"**	**72,380**	**723**	**16**	**67**
HA3PT	"	9,246	186	8	38
HA5HM	"	5,184	144	6	30
HA9RQ	"	2,376	136	5	19
HA8DC	"	1,955	88	5	18

Iceland

TF3AW	**A**	**122,760**	**506**	**28**	**82**
TF3JB	**14**	**43,836**	**450**	**12**	**40**

Isle of Man

GD5AGA	**A**	**192,975**	**734**	**36**	**119**

Italy

I5ARS	**A**	**305,490**	**927**	**40**	**130**
I2FGP	"	205,632	590	55	134
IC8CQF	"	98,029	625	35	126
I3DUU	"	29,848	203	24	67
I6POY	**28**	**720**	**19**	**6**	**12**
I1GXR	"	504	14	6	8
IØMGM	**21**	**151,011**	**548**	**30**	**89**
I1BAY	"	84,105	336	32	73
I4DVT	"	70,136	313	28	60
IØDYB	"	42,160	206	27	53
I4KRF	"	19,712	130	23	41
I2XXG	**14**	**204,905**	**876**	**27**	**80**
I1QJC	"	37,752	225	21	59
I1EIS	"	18,819	253	13	38
I3AWW	**7**	**82,834**	**563**	**17**	**66**
I3LID	**"**	**82,388**	**632**	**20**	**66**
I5ZUF	"	39,054	421	15	64
I2BVS	"	37,584	365	17	55
I1WIJ	"	27,885	292	13	52
I3GNQ	**3.5**	**107,016**	**986**	**16**	**62**
I1SOP	"	25,542	403	8	46

Malta

9H1EJ	**A**	**152,523**	**581**	**48**	**141**
9H1CH	**21**	**57,348**	**395**	**20**	**61**

Netherlands

PAØTAU	**A**	**200,801**	**479**	**58**	**157**
PAØCIC	**"**	**157,400**	**396**	**48**	**152**
PAØMBD	"	95,535	357	47	118
PAØATY	"	75,544	187	39	103
PAØVB	"	19,197	139	23	58
PAØINA	"	17,360	137	25	45
PAØUV	"	16,900	109	31	69
PAØCLN	21	9,202	311	9	26
PI1ARS	**14**	**28,950**	**240**	**17**	**58**
PAØEHF	7	336	14	4	10
PAØIHP	**1.8**	**14,105**	**311**	**9**	**26**

Northern Ireland

GI3JEX	**A**	**160,461**	**547**	**49**	**140**

Norway

LA9JM	**A**	**69,255**	**253**	**37**	**98**
LA7QQ	"	52,426	265	30	86
LA5IH	"	35,638	212	25	78
LA6XI	"	5,040	55	17	25
LA3UG	"	3,740	77	10	34
LA7MU	"	1,230	41	8	22
LA6NI	14	9,282	120	12	30
LA2Q	"	588	18	6	15
LA8WG	**3.5**	**3,600**	**121**	**4**	**26**

Poland

SP7CTY	**A**	**325,638**	**812**	**57**	**180**
SP4DCS	**"**	**178,363**	**702**	**43**	**138**
SP9CDA	**"**	**168,392**	**552**	**54**	**140**
SP5AFL	"	66,300	288	42	108
SP2BIK	"	40,828	175	36	82
SP8EMO	"	36,612	206	30	78
SP6FER	"	34,375	156	29	96
SP1ALK	"	25,991	116	36	46
SP2ZHB/2	"	25,480	160	30	74
SP8GUV	"	24,975	124	28	59
SP6DB	"	17,376	102	32	64
SP6AEG	"	13,585	74	28	37
SP2GUC	"	13,542	116	22	52
SP9EIJ	"	12,506	81	29	45
SP2JGY	"	7,408	97	16	39
SP5DED	"	5,952	96	19	43
SP9CSU	"	5,346	67	19	35
SP9IHP	"	5,292	79	14	49
SP2ADW	"	4,410	44	17	25
SP3AGE	"	4,185	31	18	27
SP1EVW	"	4,004	49	22	22
SP3FYX	"	3,936	73	15	33
SP7ITK	"	1,392	51	6	23
SP9FEW	"	280	10	5	5
SP5DDJ	28	99	7	3	6
SP5GH	"	20	3	2	3
SP9DH	"	494	26	5	14

(QSOs via Oscar 6 and 7)

SP2FWC	**21**	**7,920**	**77**	**11**	**37**
SP1ADM	"	7,654	72	14	29
SP6BFK	"	5,313	67	11	22
SP9BPF	"	5,100	51	14	25
SP9ADU	"	5,040	50	16	29
SP6DNS	"	3,465	42	14	19
SP2ANE	"	3,330	38	14	23
SP3DOI	"	1,860	22	12	18
SP2AVE	**14**	**97,416**	**497**	**24**	**75**
SP2DVH	**"**	**67,200**	**306**	**28**	**72**
SP2FAP	"	40,937	326	17	50
SP5GOR	"	25,254	171	18	51
SP8AWL	"	24,060	189	17	43
SP5FLA	"	23,584	169	16	51
SP3CB	"	20,303	113	22	57
SP3HC	"	17,685	234	10	35
SP3JJC	"	16,060	195	13	42
SP8GWI/8		15,529	169	14	39
SP6ANY	"	15,051	112	18	45
SP8GTS	"	12,816	125	12	36
SP8FNA	"	12,264	107	16	40
SP9BBH	"	12,195	128	12	33
SP2HGG	"	6,678	55	16	26
SP6AZT	"	6,493	80	11	32
SP8HZZ	"	5,772	75	11	28
SP9AMH	"	4,719	96	8	25
SP9ERC	"	4,521	70	9	24
SP6ATG	"	3,708	72	8	28
SP8AWP	"	3,312	68	8	15
SP9IGY	"	3,056	68	7	16
SP6PH	"	2,280	74	7	17
SP7JJE	"	2,144	46	9	23
SP6JLN	"	1,612	39	8	15
SP6PAV	"	352	18	5	6
SP3BLG	"	70	5	2	2
SP5ARN	**7**	**57,152**	**414**	**24**	**70**
SP4CLX	**"**	**46,875**	**454**	**18**	**57**
SP1BHX	"	28,950	302	20	55
SP9AKD	"	15,657	228	10	41
SP3IPB	"	13,362	210	10	41
SP4INT	"	11,616	226	8	36
SP5IVT	"	8,960	132	11	45
SP2ASJ/2	"	7,667	166	7	37
SP5FLB	"	3,720	107	7	24
SP7EUO	"	3,520	103	6	26
SP7FJS	"	3,198	43	9	32
SP9JBE	"	2,128	69	6	22
SP6FZA	"	1,222	39	11	15
SP2UU	"	726	28	5	17
SP4HHQ	"	54	3	3	3
SP7KLJ	**3.5**	**14,433**	**245**	**10**	**41**
SP5FTH	**"**	**10,836**	**280**	**10**	**33**
SP5IWA	"	6,450	224	5	25
SP8EOT	"	6,440	167	7	28
SP9BOR	"	6,120	217	4	26
SP3BLP	"	5,280	160	5	28
SP9EMI	"	5,184	156	6	26
SP9AAB	"	4,935	139	5	30
SP2AYC	"	4,914	181	5	22
SP9DTH	"	3,276	125	4	24
SP9GKM	"	2,940	99	5	25
SP3EJJ	"	2,349	81	5	24
SP9BRP	"	1,848	85	4	18
SP8HOR/5	"	1,540	81	4	16
SP6SD	"	1,431	54	4	23
SP2GHL/9	"	1,250	50	5	18
SP6PHO	"	1,092	55	4	17
SP2JEM	"	420	24	5	10
SP8KGQ	"	280	21	3	11
SP8GFG	"	210	18	5	10
SP8IOD	"	24	4	2	4

Portugal

CT4AT	**A**	**2,809,421**	**2,881**	**97**	**312**
		(Opr. WA3HRV)			
CT1QN	**7**	**24,492**	**299**	**11**	**41**

Romania

YO7DL	**A**	**207,999**	**599**	**53**	**138**
YO3CR	**"**	**133,732**	**551**	**50**	**143**
YO8DD	"	53,170	237	38	92
YO2QY	"	44,880	262	27	97
YO4ATW	"	32,663	204	28	61
YO7ARZ	"	25,296	176	30	82
YO2ARV	"	21,837	193	21	66
YO4ASG	"	10,512	94	21	51
YO9YE	"	6,490	81	19	40
YO8BDT	"	6,360	159	8	32
YO7NA	"	5,700	50	20	37
YO2KHN	"	2,859	81	8	23
YO7BGA	"	2,556	38	13	23
YO5AIR	21	280	10	4	6
YO4KCZ	**14**	**270,178**	**1,193**	**25**	**76**
YO2BEO	"	7,296	124	10	27
YO8GP	"	4,403	73	11	26
YO3BEJ	**7**	**74,907**	**670**	**21**	**66**
YO4BOX	"	3,328	92	8	24
YO8GF	"	1,575	59	4	17
YO6EX	**3.5**	**54,458**	**624**	**16**	**57**
YO5BRG	"	8,360	229	6	32
YO8KGQ	"	3,984	206	5	19
YO6BLU	"	1,738	81	4	18
YO6AFR	"	518	37	4	10
YO7APA	"	36	6	2	4

Sardinia

ISØFPH	**14**	**32,897**	**391**	**17**	**50**

Scotland

GM3MZV	**A**	**144,007**	**552**	**46**	**151**
GM3CFS	**3.5**	**86,022**	**666**	**16**	**65**

Shetland Islands

GM3KLA	**14**	**25,140**	**305**	**15**	**45**

Sicily

IT9LMK	**21**	**18,972**	**196**	**20**	**42**

Spain

EA2IA	**A**	**1,444,560**	**2,836**	**64**	**196**
EA4BV	"	5,859	83	10	21
EA1MG	"	2,011	70	15	22
EA2LY	"	0	5	5	5

Svalbird

JW9WT	**A**	**8,580**	**108**	**17**	**38**
JW1SB	14	3,192	70	8	16

Sweden

SM5AOE	**A**	**581,400**	**1,021**	**76**	**209**
SM3DNI	**"**	**178,555**	**510**	**58**	**147**
SMØDJZ	"	117,888	396	43	149
SM5VB	"	112,882	545	36	118
SMØBYD	"	85,251	396	40	117
SMØBDS	"	83,433	376	34	103
SMØGMG	"	64,020	211	42	68
SM5CIL	"	58,590	284	32	94
SM5EKC	"	34,944	226	29	75
SMØCGO	"	28,449	169	28	81
SM5AKT	"	25,764	160	30	84
SM4AZD	"	24,354	170	26	73
SMØCMM	"	20,895	117	34	71
SMØGNU	"	20,500	105	24	58
SM5RE	"	20,025	205	23	52
SM7CZC	"	10,872	82	24	48
SM3DXC	"	10,593	109	14	19
SM7AAQ	"	4,165	63	15	34
SM6FKF	"	3,996	41	16	20
SM7FSV	"	2,850	35	13	17
SMØGMZ	"	2,205	21	17	18
SMØFY	"	1,836	25	14	20
SM5DRW	**21**	**16,104**	**106**	**20**	**46**
SM5TA	"	9,120	75	17	40
SM5ERK	"	2,160	39	10	20
SM6BXX	"	1,120	22	11	17
SM3VE	**14**	**146,046**	**763**	**24**	**77**
SM5BRS	"	89,424	449	23	69
SM2GET	"	74,418	452	22	57
SM5CMP	"	44,992	323	18	56
SM2DMU	"	40,868	438	14	54
SM5UQ	"	6,802	123	11	27
SM7FYM	"	6,636	68	14	28
SM6JY	"	2,106	53	7	19
SM3BP	"	768	28	6	10
SMØAJU	**7**	**43,180**	**305**	**21**	**63**
SM5CLE	"	14,945	225	14	47
SM4CAN	"	13,176	127	17	44
SM5CSS	"	2,144	55	9	23
SMØDKH	**3.5**	**52,268**	**533**	**12**	**61**
SM5BRG	"	27,590	344	12	50
SM5EOS	"	26,730	350	10	45
SM5BKI	"	21,112	314	11	45
SM3FWK	"	437	21	5	14

Switzerland

HB9ZE	**A**	**258,720**	**577**	**59**	**172**
HB9AJY	"	173,667	565	52	131
HB9AYZ	"	131,784	499	46	106
HB9RX	"	13,570	103	22	37
HB9QA	"	2,829	49	15	26
HB9DX	21	7,906	47	23	44
HB9KC	**3.5**	**28,840**	**308**	**10**	**46**

Wales

GW3MPB	**A**	**62,926**	**278**	**40**	**106**

Yugoslavia

YU1NGO	**A**	**148,601**	**459**	**45**	**136**
YU2RTC	"	90,750	339	39	82

YU1NZW	"	64,960	277	36	124
YU3BUV*	"	11,658	103	22	45
YU2RJQ	"	450	15	5	5
YU3ER	**28**	**1,104**	**48**	**7**	**16**
YU3ZV	**21**	**184,926**	**586**	**32**	**87**
YU2CRS	"	57,785	635	27	64
YU2RRL*	"	49,210	240	24	71
YU1OIQ/4	"	14,912	100	23	41
YU3NP	"	7,742	55	18	31
YU2CDS	**14**	**323,561**	**1,222**	**33**	**86**
YU2OB	"	205,382	862	25	78
YU2ACD	"	64,042	436	19	52
YU1SF	"	5,624	110	8	30
YU3TYX	**7**	**119,520**	**631**	**23**	**73**
YU4VBR	"	78,474	608	17	70
YU3TAA	"	50,163	542	17	52
YU3DRM	"	7,720	165	8	32
YU4FDE	**3.5**	**108,270**	**919**	**23**	**67**
YU1EXY	"	83,895	705	17	68

EUROPEAN USSR

Byelo Russia

UC2WAN	**A**	**161,280**	**723**	**34**	**126**
UC2OBV	"	2,046	60	8	25
UC2WAW	"	1,770	48	8	22
UC2WP	**14**	**11,550**	**200**	**14**	**33**
UC2CED	"	1,426	34	6	17
UC2AAQ	**7**	**18,720**	**153**	**18**	**62**
UC2ACA	**3.5**	**95,996**	**789**	**20**	**71**
UC2ABT	"	71,574	626	13	66
UC2OBC	"	4,628	168	6	20
UC2OAJ	"	3,333	123	6	27

Estonia

UR2QD	**A**	**225,840**	**538**	**61**	**179**
UR2AW	"	73,500	266	42	133
UR2RCU	28	231	15	4	7
UR2JL	"	198	13	4	7
UR2REN	**21**	**15,145**	**110**	**19**	**46**
UR2QI	**14**	**171,760**	**832**	**26**	**87**
UR2TAB	"	93,810	431	26	80
UR2QA	"	56,468	397	21	55
UR2RAF	"	35,020	281	18	50
UR2JW	"	407	15	5	6
UR2REC	**7**	**25,636**	**441**	**11**	**41**
UR2RGH	"	23,540	364	12	43
UR2RWA	"	4,026	102	6	27
UR2RJ	**3.5**	**59,500**	**500**	**20**	**65**
UR2RER	"	19,708	328	9	43
UR2RCN	"	18,297	245	13	44
UR2REO	"	11,152	245	7	34
UR2OI	"	6,012	141	6	30
UR2CR	"	3,510	106	5	25
UK2TAD	"	2,484	86	6	21
UR2RBI	"	182	13	3	10

European Russia

UA4HAL	**A**	**591,800**	**1,340**	**67**	**202**
UA6APP	**"**	**247,820**	**790**	**60**	**160**
UA3EAL	"	90,855	412	34	101
UA4CK	"	68,364	395	26	82
UA4MX	"	66,804	586	31	83
UA3ST	"	63,998	265	31	84
UW6DR	"	59,813	260	29	78
UV3DN	"	56,925	225	30	80
UA3DDF	"	55,575	376	23	72
UA3MT	"	33,700	185	31	69
UW6CD	"	32,887	181	30	49
UA1TAJ	"	22,144	176	19	45
UA3ECR	"	20,846	121	22	51
UA3DEA	"	20,698	154	18	46
UA3TAM	"	18,630	108	14	61
UW3WZ	"	16,588	130	17	41
UA1TAL	"	15,931	105	26	63
UA1AAU	"	14,472	90	20	47
UA4CAW	"	12,406	93	18	40
UA1AJ	"	10,340	120	13	42
UA3DLK	"	7,839	71	14	34
UA6PBQ	"	6,278	61	14	35
UA1ADG	"	5,893	46	20	41
UA3RO	"	5,856	81	12	36
UA3GO	"	5,472	59	15	23
UA3AAU	"	5,437	68	21	34
UA3IAK	"	4,347	45	12	30
UA3MBD	"	4,168	94	9	25
UA3PBZ	"	3,950	49	10	21
UA4BI	"	3,230	34	15	23
UA6AJG	"	2,970	36	13	20
UA4HGG	"	532	14	5	14
UW3EH	**21**	**25,280**	**171**	**21**	**58**
UA6HGG	"	11,515	191	15	32
UA3VB	"	10,285	101	15	40
UA4HEJ	"	8,601	126	19	42
UW1YY	"	4,572	112	8	28
UA3BK	"	1,508	26	10	16
UA1MA	"	1,120	26	6	22
UA6HAN	"	312	10	6	6
UA3UAA	"	304	11	7	9
UW3UG	**14**	**133,926**	**626**	**28**	**74**
UA3IBR	**"**	**82,416**	**362**	**26**	**75**
UA6LLT	**"**	**66,406**	**432**	**21**	**58**
UW6CV	"	65,520	499	19	53
UA1AAP	"	65,016	390	19	68
UA3QBG	"	57,196	354	21	58
UA3GM	"	56,950	300	23	62
UA1ZEX	"	53,780	403	17	53
UA3EZ	"	45,870	391	16	50
UA3AFL	"	42,444	239	20	61
UA3WBO	"	40,880	348	16	54
UA4CH	"	34,338	270	17	42
UA6YBH	"	20,020	385	13	39
UA3NB	"	19,170	142	15	39
UA4ADY	"	14,950	143	16	34
UA3IAT	"	14,429	156	12	35
UA1QBM	"	12,696	120	13	33
UA3TA	"	9,152	88	15	37
UA1CAQ	"	8,748	82	17	25
UA1FJ	"	8,019	97	11	28
UA3WAQ	"	6,420	113	10	20
UA6HV	"	5,904	84	13	35
UA1ZWW	"	5,175	69	10	20
UA3ICA	"	4,154	74	8	23
UA3DJH	"	3,046	47	12	15
UA3IAR	"	2,367	49	10	11
UA4CAM	"	2,093	31	11	16
UA3DDN	"	1,674	28	8	15
UA4QK	"	1,573	26	7	18
UA3IBH	"	1,080	24	6	12
UW3DR	"	1,045	19	10	12
UA4FAT	"	918	19	6	13
UA3IBS	"	387	15	5	4
UA1AOO	"	324	18	3	3
UA3ADC	"	240	16	3	2
UA3VAD	"	198	11	3	3
UA6LXZ	"	117	7	4	5
UA6LO	**7**	**205,082**	**854**	**31**	**91**
UA1ALZ	**"**	**171,760**	**829**	**29**	**84**
UA3XJ	"	51,414	417	19	63
UA3QAQ	"	32,670	315	16	51
UA1QBE	"	25,917	357	13	40
UA6PAT	"	23,265	317	15	40
UA4FAR	"	16,450	272	10	37
UA3VDS	"	10,401	252	12	27
UA6AVD	"	7,095	138	9	34
UA3DKP	"	2,880	92	6	26
UA3NAK	"	2,810	47	5	21
UA4ACD	"	2,016	44	6	22
UA3MCI	"	1,170	27	9	15
UA4YAU	"	180	9	5	7
UA3DL	"	108	12	3	6
UA4PNW	**3.5**	**62,601**	**540**	**16**	**61**
UA6CQ	"	30,988	375	11	50
UA4FCM	"	30,894	384	10	47
UA4SM	"	24,180	241	15	50
UV3CQ	"	16,120	200	14	48
UA1CAI	"	5,654	152	10	21
UV3XX	"	3,103	97	5	24
UA1FV	"	1,404	52	6	12

Kaliningrad

UA2DM	**A**	**219,988**	**552**	**54**	**160**
UA2FAT	"	87,368	386	32	102
UA2DP	**14**	**58,520**	**339**	**22**	**55**
UA2FBA	"	8,436	117	12	22
UA2FCW	**7**	**13,524**	**89**	**6**	**23**
UA2EC	**3.5**	**32,112**	**329**	**13**	**59**

Latvia

UQ2GDQ	**A**	**309,115**	**900**	**39**	**156**
UQ2IL	"	6,446	68	18	38
UQ2HO	21	7,544	72	14	32
UQ2PP	**14**	**40,176**	**310**	**19**	**62**
UQ2GFN	"	12,596	157	12	36
UQ2GEY	"	2,996	57	20	81
UQ2GCN	**7**	**23,499**	**325**	**13**	**50**
UQ2GEC	"	6,909	113	8	39
UQ2GDW	**3.5**	**70,044**	**725**	**17**	**61**
UQ2GCO	"	7,182	174	6	32

Lithuania

UP2NK	**A**	**1,159,869**	**1,827**	**86**	**241**
UP2CY	**"**	**410,020**	**884**	**63**	**192**
UP2OM	"	348,084	960	47	151
UP2BAT	"	237,354	666	56	165
UP2PCW	"	119,815	511	32	123
UP2OO	"	107,310	543	34	113
UP2BDO	"	41,511	365	21	80
UP2DV	"	26,487	146	28	81
UP2NX	"	20,667	173	22	61
UP2PBM	"	10,700	207	11	39
UP2BCX	"	8,670	158	9	42
UP2PBW	"	3,015	52	14	67
UP2PAP	"	2,535	94	11	21
UP2SA	**21**	**26,918**	**143**	**21**	**65**
UP2BCS	**7**	**10,508**	**266**	**7**	**30**
UP2BEA	"	5,740	161	7	28
UP2BAO	"	2,400	70	8	22
UP2OU	**3.5**	**31,980**	**410**	**13**	**52**
UP2BDV	"	3,120	98	5	25

Moldavia

UO5AP	**A**	**164,580**	**542**	**51**	**144**
UO5GR	21	651	13	8	13
UO5OGU	**7**	**25,422**	**351**	**10**	**47**
UO5OBD	"	13,816	247	9	35
UO5ODA	"	4,470	140	6	24

Ukraine

UB5WE	**A**	**908,684**	**1,386**	**80**	**252**
UY5OO	**"**	**500,344**	**840**	**71**	**212**
UY5DP	**"**	**492,654**	**991**	**72**	**210**
UB5BAZ	"	234,675	624	63	162
UB5MCS	"	197,395	513	47	138
UB5AAQ	"	160,857	581	44	139
UB5MFC	"	149,868	682	39	99
UY5TE	"	141,556	592	40	132
UB5ML	"	103,695	389	42	113
UB5KAK	"	100,704	344	44	124
UB5ICS	"	99,600	324	39	127
UB5WK	"	85,725	304	36	91
UB5WL	"	70,933	491	23	66
UB5UAH	"	57,658	264	27	77
UB5MDD	"	56,964	264	35	106
UB5EAX	"	44,436	300	26	66
UB5TAO	"	44,290	262	24	62
UB5ZBF	"	30,975	233	21	84
UB5TAG	"	30,674	168	28	70
UB5AAL	"	25,840	224	22	73
UB5UAL	"	20,648	111	20	68
UB5AAF	"	17,314	85	26	71
UB5LAY	"	16,976	86	24	70
UB5IF	"	15,868	224	26	61
UB5ABC	"	14,329	70	21	68
UY5UV	"	14,240	80	20	69
UT5HP	"	7,134	49	24	34
UT5SI	"	4,488	83	11	33
UB5UBU	"	4,270	54	22	43
UB5WAG	"	3,227	92	13	38
UB5WAB	"	3,028	35	16	25
UY5YB	"	2,134	29	11	21
UB5TAM	"	1,424	26	12	25
UK5SAA	"	1,320	59	7	17
UB5UCH	"	1,080	16	12	15
UB5CBB	"	1,050	21	11	19
UB5JFX	"	680	16	9	11
UY5GG	"	192	6	6	6
UB5GBD	28	90	5	4	5
UB5VAW	**21**	**10,738**	**76**	**18**	**41**
UB5RS	"	9,964	82	16	37
UB5FAQ	"	9,450	65	20	34
UB5IAM	"	6,710	60	18	37
UK5JAX	"	2,176	26	20	14
UT5BN	"	903	15	9	12
UB5IIA	**14**	**158,470**	**723**	**29**	**86**
UT5BB	**"**	**156,782**	**822**	**27**	**87**
UB5NU	"	132,516	625	28	80
UB5ZAL	"	108,576	604	24	72
UB5QAP	"	92,070	482	24	69
UB5UAW	"	44,022	249	25	62
UY5ZP	"	38,220	273	20	50
UB5KAM	"	37,575	228	18	57
UT5BW	"	31,602	218	17	52
UB5MBN	"	14,076	189	13	33
UT5QA	"	8,720	128	12	28
UB5KAT	"	6,300	48	16	34
UB5LYL	"	4,970	100	8	27
UB5OD	"	4,224	64	10	12
UB5JBK	"	616	18	7	15
UB5LL	**7**	**105,866**	**750**	**23**	**63**
UB5ZBB	**"**	**93,780**	**686**	**23**	**67**
UB5MOU	"	78,376	524	24	73
UT5QG	"	54,741	599	23	48
UT5XW	"	40,800	327	19	56
UB5IDL	"	38,700	329	18	57
UB5WAL	"	20,247	191	12	39
UY5DV	"	17,604	230	11	43
UB5HBT	"	8,977	121	11	36
UB5EEH	"	8,235	134	7	38
UB5LAL	"	4,712	56	14	24
UB5FCE	"	4,674	52	7	31
UB5EFC	"	2,346	68	6	17
UB5LAW	**3.5**	**40,809**	**533**	**14**	**47**
UK5WRG	"	38,684	379	15	61
UB5IHF	"	36,850	401	13	54
UB5GBN	"	29,673	310	12	51
UB5QK	"	5,889	110	9	30
UB5QCR	"	2,250	68	6	24
UB5LT	"	98	6	2	5

OCEANIA

Australia

VK2BOQ	**A**	**238,483**	**540**	**60**	**97**
VK2GW	"	172,341	511	50	67
VK6RU	"	148,149	292	57	120
VK4XA	**21**	**28,082**	**266**	**15**	**23**
VK3RJ	"	22,427	192	19	22
VK4DO	"	15,662	130	16	25
VK5SW	"	15,225	146	16	19
VK3MR	**14**	**180,120**	**642**	**29**	**66**
VK5HP	"	52,371	273	22	47
VK6HD	**7**	**266,750**	**934**	**29**	**68**
VK3APN	"	87,354	425	22	47

Gilbert Islands

VR1AA	**21**	**252,408**	**1,108**	**30**	**48**

Guam

KG6JAR	**A**	**262,499**	**795**	**56**	**57**
AG6JFY	**28**	**12,474**	**238**	**9**	**9**
KG6JIH	**3.5**	**103,131**	**558**	**20**	**43**

Hawaii

KH6IJ	**A**	**1,297,440**	**2,130**	**87**	**117**
KH6AKX	"	136,206	330	61	77
KH6HGL	**21**	**33,670**	**311**	**16**	**21**
KH6BYG	**14**	**101,850**	**680**	**20**	**30**
AH6DX	**7**	**31,488**	**335**	**16**	**16**
KH6CHC	**1.8**	**3,630**	**82**	**7**	**8**

Indonesia

YB3AB	**A**	**168,912**	**447**	**51**	**87**

Johnston Island

KJ6DL	**A**	**135,997**	**440**	**54**	**53**

Line Island

VR3AH	**3.5**	**178,560**	**956**	**24**	**40**

Marshall Islands

KX6DC	**A**	**464,121**	**1,113**	**67**	**72**

New Zealand

ZL3GQ	**A**	**603,900**	**1,037**	**67**	**131**
ZL3BK	"	413,307	829	68	103
ZL2BR	"	219,620	487	60	98
ZL1AFW	"	87,736	341	39	49
ZL2ACP	**28**	**13,432**	**204**	**12**	**11**
ZL2BCO	**14**	**167,315**	**522**	**29**	**80**
ZL1AMO	**7**	**164,933**	**787**	**23**	**48**

SOUTH AMERICA

Argentina

LU8BAO	**A**	**627,412**	**1,054**	**71**	**131**
LU3FG	"	388,125	974	61	74
LU3DSI	**28**	**4,746**	**179**	**9**	**12**

Brazil

PY1BOA	**A**	**171,171**	**599**	**25**	**74**
PY7AZQ	"	98,898	319	29	77
PY7BXC	"	82,944	352	32	49
PT2JB	"	22,050	351	10	11
PY3APH	"	15,283	167	16	15
PY7VJD	"	11,928	96	17	25
PY2RG	"	2,736	26	16	22
PY1TC	**21**	**5,382**	**102**	**9**	**9**
PY2GWF	"	288	10	6	6
PY7AKQ/8	**14**	**375,180**	**1,257**	**27**	**84**
PY7VJZ	"	7,344	106	11	13
PY5AHW	"	2,760	37	15	15

Colombia

HK3BAE	**7**	**32,452**	**256**	**13**	**25**

Easter Island

CEØAE	**A**	**31,815**	**175**	**29**	**34**

Peru

OA4AHA	**A**	**1,564,250**	**2,132**	**82**	**168**
OA8V	"	118,491	326	48	79

Surinam

PZ1AH	**A**	**79,779**	**208**	**46**	**85**

Trinidad & Tobago

9Y4VT	**A**	**3,438,644**	**3,400**	**93**	**248**

(Opr. W6DGH)

Uruguay

CX2AQ	**21**	**172,126**	**648**	**26**	**63**
CW3BR	**14**	**753,228**	**2,012**	**31**	**95**

(Opr. CX1EK/W4)

CX1BBL	**7**	**212,139**	**889**	**24**	**57**

Venezuela

YV4CB	**28**	**19,272**	**204**	**12**	**21**
YV1OB	**14**	**73,645**	**248**	**25**	**78**
YV5AAZ	"	31,020	355	11	19
4M4NQ	**7**	**187,180**	**901**	**19**	**51**
4M4OY	"	101,460	596	14	43
4M5CET	"	27,615	267	12	23
YV7PF	"	16,128	134	13	29

Multi-Op., Single Xmtr.

NORTH AMERICA

United States

W1ZA	**1,611,026**	**1431**	**97**	**300**
WA1NRF	1,136,124	1164	88	254
W1NJL	47,600	150	33	86
W2YD	**1,487,250**	**1394**	**93**	**282**
K2BT	832,727	829	91	262
W2UI	179,080	309	60	160
WB2RLO	145,600	283	56	144
W3BWZ	**1,328,880**	**1035**	**119**	**333**
W3BGN	998,526	966	92	269
WA3YGH	694,180	813	80	225
WA3VQP	394,240	640	60	160
W3FCI	154,176	287	57	135
AC4MYA	**632,244**	**799**	**77**	**205**
W4KXV	453,710	553	80	215
AA4LZR	377,533	527	75	182
W4JD	310,440	445	73	187
AA4BTQ	297,134	488	66	152
AA4LXV	168,702	348	54	132
W4BFB	52,164	162	46	80
WA4RVC	4,136	44	23	24
AA5LES	**2,246,989**	**1670**	**130**	**349**
WA6NGG	**973,552**	**1192**	**103**	**181**
K6UD	963,424	1426	86	152
K6QZ	527,810	794	90	145
K6ZM	516,664	786	83	149
W6BIP	261,105	503	71	124
W6OAT	257,472	472	77	115
W6UA	188,652	297	83	154
WA6JUD	40,425	197	36	39
K6LY	27,946	136	37	52
W7FU	**1,460,410**	**1635**	**103**	**207**
K3MNT/7	1,044,856	1377	91	171
W7FR	532,800	926	74	126
WA8ZDF	**1,616,139**	**1245**	**117**	**342**
W8HBK	248,465	388	66	163
WAØCPX	**891,028**	**933**	**104**	**233**
WØHZ	634,452	788	91	203

Bahama Islands

K4DBZ/C6A	**1,952,496**	**2860**	**91**	**221**

Bermuda

VP9DX	**620,140**	**1388**	**63**	**139**

Canada

VE1AI	**678,528**	**1033**	**75**	**204**
VE3AKG	**779,612**	**1225**	**75**	**193**

Guantanamo Bay

KG4JS	**226,950**	**1296**	**35**	**50**

Puerto Rico

KP4ECH	**1,435,218**	**2543**	**76**	**175**

Sint Maarten

PJ8CM	**660,222**	**1145**	**74**	**184**

Virgin Islands (Br.)

VP2VDJ	**1,015,289**	**1819**	**74**	**179**

AFRICA

Ascension Island

ZD8W	**3,652,143**	**3385**	**103**	**260**

ASIA

India

VU2TI	**182,780**	**579**	**50**	**98**

Iran

9D5A	**1,854,212**	**2335**	**80**	**233**

Japan

JA8YAU	**270,916**	**598**	**73**	**105**
JA6YDH	**166,430**	**405**	**71**	**99**
JA7YFB	157,052	427	63	79
JA3YKB	102,672	298	60	78
JA2ZAP	22,680	121	33	37

Kuwait

9K2EP	**803,682**	**1247**	**67**	**175**

ASIATIC USSR

Asiatic Russia

UK9FER	**793,184**	**1298**	**53**	**171**
UK9WAP	**789,624**	**1068**	**65**	**199**
UK9SAY	676,644	1192	55	171
UK9CBD	638,252	1076	63	169
UKØFAA	427,634	1099	82	120
UK9QAA	409,070	734	51	139
UK9LAE	230,750	619	38	104
UK9AAA	218,010	548	51	98
UKØCBE	198,202	916	43	70
UKØYAA	181,076	832	36	81
UKØLAB	158,895	513	55	80
UK9HAC	147,018	267	65	164
UKØZAF	100,536	796	22	25
UK9AAQ	50,310	250	21	65
UK9WBD	31,239	167	26	63
UKØKAA	14,858	123	16	30
UKØFAN	13,266	402	17	17
UKØQAN	1,386	56	9	12

Armenia

4J6A	**2,279,941**	**2613**	**79**	**232**

Kazakh

UK7AAF	**187,758**	**645**	**32**	**82**
UK7CAI	173,228	578	31	93
UK7CAA	147,112	436	38	112
UK7LAF	69,377	354	21	56
UK7LAA	64,944	315	22	60
UK7FAR	41,625	243	28	47

Turkoman

UK8HAA	**291,720**	**707**	**53**	**117**

Uzbek

UK8AAC	**300,664**	**763**	**48**	**134**
UK8AAI	121,518	446	40	89

EUROPE

Austria

OE3GSA	**490,656**	**1128**	**72**	**197**

Bulgaria

LZ2KKK	**471,954**	**1200**	**65**	**173**
LZ2KSU	241,755	636	58	155
LZ2KBA	133,104	499	46	132
LZ1KSZ	125,349	666	33	108
LZ1KCP	103,680	547	29	106
LZ1KVF	55,278	516	24	50
LZ1KDB	48,138	492	17	54
LZ1KSD	28,408	360	16	51
LZ1KSM	27,719	475	9	44
LZ1KHB	18,483	239	14	47
LZ1KAU	6,384	50	23	34

Czechoslavakia

OK1KSO	**932,640**	**1339**	**86**	**262**
OK1KYS	**438,084**	**803**	**77**	**187**
OK1KTL	358,416	748	70	158
OK1KSL	255,375	605	60	167
OK3RKA	196,667	540	50	143
OK1KPU	166,203	593	51	126
OK3KVL	143,104	424	55	117
OK1ONF	86,984	460	33	98
OK3RJB	76,704	361	37	104
OK3KFO	49,266	200	32	87
OK3KTD	30,396	199	26	76
OK1KRY	26,496	213	28	64
OK1KUR	25,840	126	27	58
OK1OFK	22,016	174	27	59
OK2KNN	3,090	53	11	19
OK2KTE	777	35	5	16
OK1KCF	375	21	5	13
OK3KAP	135	16	2	7

Denmark

OZ1SC	**211,869**	**707**	**48**	**129**

England

G3VPW	**502,495**	**950**	**63**	**182**
G3GJL	274,239	788	56	133
G3KMI	154,128	543	48	121

Faeros Islands

OY6FRA	**337,120**	**1254**	**47**	**168**

Finland

OH3AG	**416,798**	**919**	**69**	**202**
OH3EW	269,658	770	55	157
OH2AA	147,768	421	51	137

France

F6CZN	**181,125**	**383**	**58**	**149**

Germany (FRG)

DLØWU	**1,768,810**	**1905**	**96**	**299**
DKØTU	1,275,876	1851	78	254
DLØKF	1,059,072	1396	95	299
DKØMS	202,400	666	50	134

Germany (GDR)

DM3RF	**169,452**	**776**	**39**	**123**
DM2ADC	119,822	412	49	132
DM3GM	103,545	487	35	102
DM4CM	38,064	241	27	71

Guernsey Island

GC4DAA	**2,300,942**	**2760**	**89**	**282**

Hungary

HG8U	**509,065**	**1226**	**72**	**193**
HA1KSA	**492,532**	**1146**	**60**	**176**
HA9KPU	413,656	1019	60	172
HA7KLG	340,326	825	62	160
HA4KYH	326,268	701	65	163
HA6KNB	321,840	1002	55	161
HA6KVB	279,734	951	53	150
HA8KUC	274,835	881	56	153
HA3KMK	253,424	916	48	140
HAØKHW	248,919	723	51	158
HA5KJC	198,168	744	48	136
HA1KZZ	156,450	695	41	109
HA5KBM	123,116	609	40	114
HA9KOL	120,640	529	34	111
HA7KMS	112,480	551	37	115
HA8KWG	104,632	346	47	117
HA3KHB	59,653	330	31	90
HA5KFL	57,408	360	27	77
HA8KUA	15,870	214	16	53
HA5KHT	3,652	85	12	32

Luxembourg

DL7ON/LX	**741,675**	**1771**	**73**	**202**

Poland

SP5PWK	**438,016**	**798**	**68**	**188**
SP9KRT	396,270	1096	55	170

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Alaska

AL7HIK	A	394,160	1,172	45	85
KL7HCN	"	370,128	1,077	53	79
AL7HRP	"	89,542	804	46	72
KL7IRN	14	60,501	573	14	29
KL7GN	"	28,652	426	13	13

Barbados

8PØA	14	639,756	2,308	30	87

(Opr. WA4CWH)

Belize

VP1MPW	A	24,682	286	20	23

Bermuda

WA1RFM/VP9	A	506,890	1,355	50	123

Canada

VO1KE	A	663,924	1,168	58	186
VO1AW	"	840	14	11	13
VE1BHA	A	31,020	213	24	42
VE1EK	"	1,211	34	13	28
VE2AYU	A	253,866	637	51	123
VE2BP	"	109,760	458	41	71

(Opr. WA1TAI)

VE2WA	14	48,312	200	21	67
VE3KZ	A	561,825	837	75	200
VE3IXE	"	157,092	472	61	98
VE3EJK	"	52,598	174	34	85
VE3IR	"	24,856	109	39	65
VE3ENM	14	108,944	500	21	67
VE3DUS	7	8,474	100	13	25
VE3BMV	1.8	30,258	358	12	29
VE4XJ	A	205,335	489	54	115
VE4MP	"	100,695	258	50	97
VE5BX	A	359,226	1363	51	75
VE5YA	14	37,468	185	23	53
VE6APN	14	19,422	213	15	24
VE7DAJ	A	312,828	843	49	82
VE7IQ	"	17,720	204	22	18
VE7DTA	"	2,700	41	13	12
VE7IG	7	104,790	663	27	43
VE7AV	3.5	5,876	109	12	14

Cuba

CM2HB	A	63,070	562	20	33
CO2OM	"	30,858	402	13	24
CO2JA	1.8	400	25	4	4

Dominican Republic

HI8MOG	A	81,216	528	28	44
HI8LC	21	1.376	85	5	3

Grand Cayman

ZF1AL	A	27,000	282	30	24

(Opr. WB4TAF)

Greenland

OX3AB	A	151,262	690	38	68
OX3RA	"	119,804	405	35	87
OX3NB	14	23,636	282	10	28

Guadeloupe

FG7AS	A	430,032	1,372	44	92

Guatemala

VE2AQS/TG9	A	99,810	519	41	49

Honduras

HR1AT	14	19,600	185	16	33

Mexico

XE1DDP	A	141,265	695	41	54

Montserrat

VP2M	A	2,151,165	3,166	86	219

(Opr. WA7OTT)

VP2MNR	21	8,300	160	10	15

(Opr. WA6VNR)

Panama

HPIAC	A	62,080	280	32	65

Puerto Rico

KP4AST	A	3,725,836	3,348	118	334

(Opr. K7VPF)

KP4DKX	"	434,250	1,000	60	133
KP4RK	14	15,939	78	21	56

St. Kitts

VP2KA	14	4,480	122	8	8

St. Pierre et Miquelon

FPØBG	A	477,576	1,000	51	150

(Opr. VE1AIH)

Virgin Islands

KV4JY	A	301,986	787	46	68
KV4FZ	1.8	42,800	390	13	37

AFRICA

Canary Islands

EA8BF	A	50,184	246	21	47
EA8CR	1.8	7,696	100	8	18

Gambia

C5AZ	A	3,580,980	3084	100	290

Kenya

5Z4NI	21	474,894	1,266	32	94

Kerguelen Island

FB8XO	14	15,080	104	19	33

Liberia

EL2T	14	37,587	248	17	34

Mauritania

5T5CJ	A	187,050	430	45	105

Rhodesia

ZE1JV	A	1,375,946	1,643	81	202
ZE1BL	"	599,820	1,281	45	111
ZE2JH	"	349,965	717	47	118

Senegal

6W8A	A	862,650	1,234	71	172

South Africa

ZS6ME	A	572,355	934	62	145
ZS2CW	"	10,704	101	27	45
ZS5KI	21	56,842	198	32	65
ZSIHF	7	5,040	62	13	17

ASIA

India

VU2GO	A	113,053	327	41	90
VU2BK	"	82,425	297	35	70
VU2ACD	14	106,920	425	32	78
VU2GW	7	17,108	140	16	31

Iran

9D5B	A	368,188	818	41	125
EP2VW	21	107,600	504	23	57

Israel

4Z4NKX	21	69,060	402	17	43
4X4UH	14	226,950	905	23	62

Japan

JA1KSO	A	1,473,605	1,496	118	237
JA2JW	"	1,181,768	1,288	115	214
JE1SSE	"	412,653	728	80	121
JE1JKL	"	336,840	592	83	127
KA6DX	"	222,095	410	88	127
JA7DAH	"	218,638	505	67	94
JH7BRG	"	179,237	449	62	89
JA2HO	"	144.579	365	62	82
JA1NLX	"	137,768	384	61	75
JA1AFF	"	113,652	330	57	75
JG1CDM	"	96,291	311	52	65
JA2BNN	"	79,785	240	58	77
JA7ARW	"	79,414	268	52	66
JA1AYO	"	74,900	254	47	60
JA8DIM	"	73,062	284	43	56
JA5HCV	"	55,536	195	39	65
JA3BRB	"	51,750	195	56	59
JA1EMX	"	49,680	153	50	65
JA1CFJ	"	47,628	180	44	54
JA2JXI	"	46,806	195	45	42
JAØDCQ/1	"	41,958	205	34	40
JA5MOU	"	41,678	172	41	50
JE1YTF	"	40,211	188	38	41
JA7CPW	"	34,675	170	34	39
JE1GCI	"	34,188	192	31	35
JR3COZ	"	29,341	195	27	34
JA9LX	"	25,916	151	25	37
JA6ZF4	"	24,080	123	38	42
JA1SGU	"	23,579	131	34	39
JA7GAX	"	22,883	157	15	34
JA1BSU	"	22,168	124	33	35
JH1HTK	"	21,560	116	34	36
JA3PYC/1	"	20,979	123	25	38
JA4UDP	"	18,270	118	26	37
JA9JBK	"	18,176	96	34	37
JR1QML	"	17,925	96	37	38
JA7JNF/1	"	17,493	125	22	27
JA1RUJ	"	16,524	111	27	27
JA1ZIK	"	16,224	138	25	27
JA1BNW	"	14,446	83	26	36
JG1GJB	"	13,892	130	20	26
JA2XSG	"	12,597	75	25	32
JA1SVP	"	12,393	95	27	24
JA2EG	"	9,751	71	21	28
JH2JEV	"	9,120	86	23	25
JA1YJF	"	8,624	74	22	22
JA1BFR	"	8,300	56	26	24
JE3SEN	"	8,160	67	26	25
JE3UET	"	7,998	74	22	21
JR6CF	"	7,128	49	24	30
JA9FT	"	5,432	71	6	22
JA6QKI	"	4,676	61	16	12
JA2BI	"	4,664	40	19	25
JA9CWJ	"	4,488	52	13	20
JA4AQR/3	"	3,930	56	16	14
JH1ESR/2	"	3,822	40	20	19
JR1LEV	"	3,381	57	11	10
JH2IIH	"	2,430	31	14	13
JA1BZM	"	2,299	43	10	9
JA7JT	"	2,144	23	16	16
JAØVFM	"	1,632	44	11	6
JA3OEA	"	1,540	31	11	9
JAØVOW	"	1,216	31	11	8
JH1OEL	"	1,056	18	12	12
JF1NCT	"	1,025	15	12	13
JE1HAU	"	714	19	5	8
JHØBQX	"	443	17	9	8
JAØBOP	"	441	18	8	5
JG1FJT	28	2,288	33	11	15
JH3FQF	"	1,610	27	10	13
JA6AKW	21	57,456	278	29	47
JR6RRD	"	51,246	247	27	51
JA2YEF	"	37,985	206	28	43
JR1XFT	"	25,976	145	26	42
JG1EIQ	"	24,244	149	23	35
JA8GQ	"	17,505	138	19	26
JA7HMZ	"	14,496	105	21	27
JE3REU	"	12,744	85	19	35
JH3JTD	"	12,688	91	22	30
JE3UES	"	9,840	93	18	23
JI1KUV	"	8,680	86	15	20
JE3MWB	"	7,486	72	15	23
JE2BPJ	"	6,120	58	17	23
JA7ECI	"	3,770	46	14	15
JA5BLF	"	3,268	62	9	10
JA7BIJ	"	818	47	7	6
JA1UDI	"	702	16	7	6
JH4MVA	"	660	13	9	11
JE3UER	"	486	12	8	10
JAØNCE	"	350	11	5	9
JA6YVF	"	52	4	4	4
JA2HLX	14	252,969	813	34	77
JA1IBX	"	222,687	750	33	76
JA2MGE	"	220,134	694	32	82
JAØCUV/1	"	196,140	674	30	74
JR1JFO	"	184,149	593	33	78
JA1BWA	"	173,436	637	31	66
JA2CMM	"	160,474	704	26	56
JA4AXB	"	126,524	491	28	66
JA8SW	"	111,090	579	23	47
JA2EIV	"	109,319	420	31	66
JA2BY	"	108,270	428	30	60
JH3KCA	"	69,111	395	24	39
JR1RCQ	"	45,695	263	21	44
JA4CTL	"	43,533	258	21	42
JA2IU	"	39,612	213	22	46
JA1CSB	"	38,400	274	18	32
JA2AJA	"	36,680	231	19	37
JR1XFS	"	32,234	176	24	47
JA4ZU	"	28,615	188	22	37
JH1MTR	"	28,461	137	18	35
JA1CMD	"	27,612	176	22	37
JG1RVR	"	27,028	185	21	37
JA2HGA	"	21,760	117	26	42
JF1UKJ	"	21,280	151	21	35
JA9AQE	"	21,063	166	19	32
JH1QDB	"	19,565	168	18	25
JA9FV	"	19,040	133	22	34
JAØOZ	14	16,432	127	20	28
JR2IEG	"	15,666	144	15	27
JA7BAL	"	12,240	90	18	33
JA2UA	"	11,938	96	20	27
JG1MTJ	"	10,810	79	17	30
JA4GXS	"	9,657	101	15	22
JH3BRC	"	6,536	72	19	19
JA2WZ	"	4,224	66	11	13
JA5SIX	"	3,648	51	15	17
JR2AQP	"	2,697	33	15	16
JE1EL	"	2,117	37	12	17
JAØGZ	"	1,950	36	12	13
JA5UI	"	1,890	46	12	9
JA5FDG	"	690	25	6	4
JA1AAT	"	273	9	7	6
JA1BUI	"	242	10	6	5
JA2DOU	"	180	6	6	6
JH3YCJ/3	"	10	2	2	2
JA2INO	7	128,140	531	29	57
JA1CWZ	"	104,328	414	29	63
JH1RFM	"	64,448	313	25	51
JA2EKR/3	"	57,456	285	27	49
JA1ISA	"	29,202	177	25	37
JA1JIO	"	16,632	111	25	31
JA6GPR	"	10,120	103	17	23
JH4ADF	"	5,177	62	13	18
JA2RER	"	4,100	61	14	11
JA2HAY	"	154	8	3	4
JA6BSM	3.5	30,485	198	21	44
JA6BZI	"	27,199	146	24	47
JA1YFL	"	23,632	175	20	36
JA8DNV	"	22,506	148	23	39
JA3IW	"	11,978	82	20	33
JA1DUH	"	10,028	79	18	28
JA3BCT	"	16	2	2	2
JA3ONB	1.8	1,610	40	7	7
JA3BDB	"	310	12	5	5
JA1CUW	"	156	10	6	6
JA3AHQ	"	128	7	4	4
JH1LKH	"	60	4	3	3
JA9BOH	"	45	3	2	3
JH2IRH	"	42	4	3	3

Korea

HM2JN	A	111,936	356	54	78

Macao

CR9AJ	A	478,380	1199	74	127

Malaysia

9M2FK	A	29,852	345	33	35

Mongolia

JT1KAA	A	4,000	66	18	22
JTØOAQ	"	182	13	6	8

Oman (Masirah Is.)

A4XVK	A	151,932	418	43	94

ASIATIC USSR

Asiatic Russia

UW9WL	A	692,967	995	62	188
UA9ND	"	507,129	849	58	161
UA9AED	"	229,658	579	37	106
UA9OO	"	206,078	526	46	121
UA9QE	"	132,300	411	35	92
UA9GF	"	48,048	187	31	73
UA9XS	"	42,152	201	27	61
UA9FBM	"	14,612	125	14	38
UA9HM	"	7,874	51	28	34
UW9PT	"	4,183	35	18	29
UA9CAL	21	61,671	407	18	43
UA9JH	"	42,405	273	15	40
UA9LBM	"	28,938	246	15	38
UA9QD	"	27,189	208	16	37
UA9MQ	"	18,755	155	16	39
UA9DN	14	344,520	1176	26	82
UA9JAA	"	88,622	477	19	54
UA9OBU	"	75,454	551	18	48
UA9OS	"	73,950	372	24	61
UW9VH	"	39,780	328	17	43
UA9ODA	"	6,400	71	11	29
UA9UOZ	"	4,012	126	8	19
UA9MK	"	2,739	45	12	21
UA9UF	"	2,070	66	10	13
UA9NN	7	87,980	473	26	57
UA9WS	"	45,604	318	13	39
UA9AAP	"	39,636	269	15	39
UA9YAQ	3.5	2,576	48	10	18
UWØAF	A	568,515	950	74	177
UAØAG	"	89,277	274	45	94
UAØLS	"	22,192	199	31	42
UAØCAW	"	13,312	330	13	19
UAØCCR	"	2,968	59	13	13
UAØZBU	"	845	71	7	6
RAØSER	28	32	6	2	2
UAØCBL	21	260	8	5	8
UWØLT	14	111,099	514	27	60
UAØSAU	"	104,710	578	19	55
UWØIX	"	82,005	524	26	44
UAØML	"	8,200	76	16	25
UWØLI	"	8,134	60	17	32
UKØSAR	"	1,872	39	8	16
UAØBAC	"	270	18	3	2
UAØOAS	"	260	26	4	6
UAØCBW	7	16,968	244	14	28
UAØGF	"	54	3	3	3
UAØCBH	"	8	4	1	1
UAØLH	3.5	20,629	278	17	32
UA0ABB	"	20,451	204	14	37
UAØACM	"	9,288	124	11	25
UAØUBA	"	5,952	117	10	22
UWØFB	"	5,481	139	13	14
UAØJCA	"	882	59	8	6

Azerbaijan

UD6DLA	A	406,630	1003	35	122
UD6CN	"	9,114	81	20	69

Armenia

UG6GAG	A	93,408	414	19	65
UG6AW	"	828	17	12	11
UG6GAF	21	141,930	630	23	60

Georgia

UF6DZ	A	120,612	1058	34	80
UF6BD	21	92,952	455	18	54
UF6VAG	14	115,154	489	24	62
UF6FCR	"	27,640	213	10	35

Kazakh

UL7LAW	A	446,886	746	63	159
UL7OAQ	"	41,496	456	27	64
UL7LCQ	"	39,188	404	29	68
UL7HV	"	28,243	175	16	45
UL7EAM	"	12,744	93	30	42
UL7CBD	"	3,567	37	13	22
UL7TA	21	1,944	36	12	15
UL7WI	"	1,475	25	10	15
UL7EAJ	14	155,168	602	28	76
UL7QH	"	137,069	543	30	83
UL7PBY	"	41,808	220	25	53
UL7CT	"	32,148	233	16	42
UL7PA	"	26,460	343	10	26
UL7PCN	"	14,080	159	12	30
UL7PBI	"	11,224	112	12	34
UL7QF	"	5,152	48	19	27
UL7GAU	"	2,380	34	13	21
UL7YP	"	1,394	27	5	12
UL7JAW	7	38,232	307	14	40
UL7CAD	"	16,464	329	10	42
UL7IBC	"	9,827	112	8	23
UL7RAV	3.5	40,200	350	12	38
UL7EAH	"	23,703	199	13	38

Kirghiz

UM8FM	A	659,490	1,141	72	175
UM8NNN	"	204,561	724	33	86
UM8MAO	14	170,685	637	29	78
UM8MBA	7	16,765	184	9	26

Tadzhik

UJ8JAS	14	133,664	595	24	68
UJ8AQ	7	18,400	204	10	33
UJ8JCL	3.5	544	32	8	9
UJ8JBR	"	416	16	4	9

Turkoman

UH8DC	A	585,984	987	62	162
UH8CS	21	22,230	198	10	29
UH8HBR	14	7,667	79	14	27

Uzbek

UI8ACZ	A	49,006	185	30	77
UI8GAJ	"	11,960	105	13	33
UI8ADO	28	6	1	3	2
UI8ACC	14	97,504	501	23	65

EUROPE

Austria

OE5CWL	A	135,140	557	40	105
OE6HZG	A	74,880	313	36	92
OE1AKA	14	149,951	614	30	83

Belgium

ON6VN	A	531,409	1,235	63	160
ON4XG	"	190,993	545	49	130
ON8VB	"	85,125	393	32	93
ON8HF	"	33,060	183	30	65
ON5IA	"	12,650	267	10	36
ON6NL	21	3,900	65	10	16
ON5WL	3.5	9,614	187	9	29
ON6NA	"	9,204	193	7	32

Bulgaria

LZ1QO	A	201,773	435	67	154
LZ1AG	"	115,818	318	53	146
LZ2KMB	"	58,938	365	26	88
LZ2GS	"	53,098	223	40	99
LZ2VP	"	26,746	199	27	59
LZ2YJ	"	19,355	171	20	59
LZ1XL	"	17,722	102	32	47
LZ1WI	21	13,845	85	23	48
LZ1GX	"	2.755	36	11	18
LZ1FJ	14	9,213	131	10	27
LZ2PP	7	16,650	324	8	37
LZ1VQ	"	8,349	208	8	25
LZ2RF	3.5	55,440	600	14	72
LZ2XW	"	8,588	216	6	32

Corsica

FC9UC	14	415,740	1,622	32	91

Czechoslavakia

OK2RZ	A	1,174,445	1,742	85	252
OK3EA	"	622,790	1,093	78	232
OK2BLG	"	378,576	1,002	57	182
OK2BHV	"	308,729	733	62	134
OK3CEG	"	161,968	451	58	154
OK1MIN	"	107,568	308	47	115
OK2ZU	"	83,326	122	36	86
OK2BEC	"	68,508	316	33	99
OK3CEE	"	58,926	192	42	96
OK1EP	"	57,304	207	40	112
OK1DAV	"	34,848	142	34	87
OK1AMI	"	34,580	299	25	66
OK1DVK	"	33,448	160	28	85
OK1FJS	"	33,432	261	19	65
OK1AWF	"	32,775	221	24	71
OK1MWN	"	28,566	239	16	53
OK2SGW	"	25,400	152	25	75
OK2BEF	"	24,750	204	21	69
OK1KZ	"	24,115	217	23	68
OK3CAU	"	23,023	157	20	57
OK1MSP	"	19,982	101	32	65
OK3TCK	"	17,415	159	21	60
OK3TAO	"	15,000	209	15	45
OK3YCV	"	14,118	128	22	56
OK1FCA	"	14,046	128	23	55
OK1MAA	"	9,240	166	12	43
OK1AEH	"	8,625	80	20	49
OK1AIA	"	8,127	98	20	43
OK2BDH	"	4,968	114	12	34
OK2PDD	"	3,828	49	13	16
OK1ABF	"	3,813	58	13	28
OK3TDN	"	3,440	33	16	24
OK1OA	"	3,192	26	19	23
OK3RRC	"	2,688	67	8	24
OK1HCH	"	1,400	55	5	23
OK1KWN	"	1,092	30	11	15
OK2BCI	"	999	17	12	15
OK3TFH	"	20	4	3	2
OK3UQ	21	79,299	323	26	73
OK3OM	"	66,231	275	25	74
OK3IR	"	27,054	125	26	55
OK1TW	"	25,600	155	19	45
OK3PQ	"	12,083	98	16	27
OK3IF	"	9,430	81	18	28
OK3FON	"	8,730	75	17	28
OK2YAX	"	8,405	78	16	25
OK2BPK	"	7,080	64	17	23
OK3AS	"	3,726	48	12	15
OK2BJU	"	1,357	23	11	12
OK1ASQ	"	459	12	8	9
OK1JVT	"	420	14	5	5
OK2BJR	"	224	10	4	4
OK1FV	14	98,770	500	23	62
OK2PFQ	"	75,810	329	22	83
OK2PAE	"	61,424	315	22	66
OK1MPP	"	43,335	196	24	59
OK3ZFB	"	35,711	240	18	49
OK2SPS	"	15,533	195	15	34
OK2UD	"	9,592	108	13	31
OK2BPF	"	7,800	92	11	28
OK3BA	"	7,560	94	13	23
OK2TBC	"	5,214	74	14	19
OK1PCL	"	4,200	53	11	31
OK2PBG	"	4,032	65	9	27
OK1DK	"	3,502	39	13	21
OK3CWU	"	2,880	42	12	18
OK3YCP	"	2,800	63	8	17
OK3YCP	"	2,025	31	9	18
OK1MDK	7	140,580	789	26	84
OK1TA	"	121,128	721	23	80
OK1ALW	"	113,469	592	27	82
OK1XJ	"	21,980	284	13	42
OK3CFA	"	21,300	243	13	47
OK2LN	"	19,314	253	12	48
OK3CKY	"	8,554	175	7	36
OK3CIU	"	7,007	143	23	26
OK1BBJ	"	2,175	37	11	18
OK1FAR	"	1,176	17	9	15
OK2KMB	"	110	11	2	8
OK1DIM	3.5	75,738	743	14	64
OK2QX	"	54,905	540	15	64
OK1AWZ	"	41,316	626	12	54
OK1DKW	"	30,415	500	9	46
OK2HI	"	28,770	324	12	58
OK1DIT	"	27,786	324	12	54
OK1DKR	"	25,344	256	14	58
OK1GO	"	21,600	396	8	42
OK1NR	"	20,591	305	8	51
OK1AGA	"	18,179	346	8	45
OK1AJY	"	11,424	243	6	36
OK1DMM	"	10,976	94	19	37
OK2SRA	"	10,086	217	6	35
OK3TDO	"	6,345	119	6	41
OK3ZBU	"	6,006	183	6	27
OK1DMJ	"	5,910	205	4	26
OK3CJK	"	4,633	95	6	35
OK1AZI	"	4,526	144	5	26
OK1MIZ	"	4,200	119	6	29
OK3ZWX	"	2,929	102	5	24
OK2BKT	"	2,120	43	6	34
OK2KOO	"	1,875	76	5	20
OK1AYQ	"	1,824	80	4	20
OK1MZO	"	1,690	64	5	21
OK3TAY	"	1,653	48	5	24
OK2BBQ	"	1,625	65	5	20
OK2SAT	"	1,586	62	4	22
OK1DFB	"	1,242	51	5	20
OK1MRA	"	1,242	54	5	18
OK3CDF	"	1,200	52	5	19
OK1XR	"	1,037	60	4	13
OL1ADZ	"	924	32	5	16
OK2SWD	"	800	31	5	20
OK1KMP	"	528	34	3	16
OK2BNN	"	518	39	4	10
OK1ATP	1.8	9,792	197	9	27
OK2PGE	"	8,190	193	10	29
OK1FCW	"	4,228	154	6	17
OL5ATG	"	3,484	131	6	20
OL4ATY	"	2,678	89	6	20
OK1AXD	"	2,662	122	3	19
OK1DJK	"	1,936	79	4	18
OL9CEI	"	1,794	48	3	13
OL0CFI	"	1,562	67	5	17
OL9CGL	"	1,482	52	6	20
OK2BTW	"	1,440	58	5	19

(Continued from page 88)

SP3KTC	285,735	813	51	164
SP9PTC	125,615	478	52	185
SP5PSL	73,843	490	34	103
SP9KMQ	37,884	388	22	62
SP5KOH	25,896	266	20	63
SP5PTR	17,928	135	28	55
SP9KCB	17,360	236	15	55
SP7KIE	5,250	48	19	31
Scotland				
GM3ZRC	**65,720**	**401**	**26**	**98**
Sweden				
SK7CE	**567,386**	**1338**	**65**	**174**
SK5DB	208,150	606	45	136
Yugoslavia				
YU2CBM	**407,162**	**1171**	**60**	**169**
YU1AJQ	322,260	702	65	197
YU1EJC	245,255	834	48	133
YU1GMN	242,256	588	61	135
YU2CBV	233,244	717	53	133
YU4JLM	10,872	136	18	58

EUROPEAN USSR

Byelo Russia				
UK2ABC	**460,356**	**1071**	**51**	**176**
UK2WAF	270,396	924	53	155
UK2AAP	262,150	993	43	132
UK2AAG	238,607	855	41	138
UK2AAB	62,361	407	33	90
UK2IAJ	50,787	399	22	77
UK2AAX	20,550	200	21	59
Estonia				
UK2RAX	**205,326**	**698**	**40**	**147**
European Russia				
UK4HBB	**704,704**	**1225**	**84**	**224**
UK4WAB	**632,400**	**1287**	**69**	**203**
UK3XAB	**420,784**	**995**	**65**	**207**
UK3AAI	373,996	935	69	197
UK3DBG	363,792	937	51	157
UK4LAC	304,072	774	53	146
UK4AAB	298,220	879	50	135
UK3ACW	254,388	805	39	135
UK3UAA	237,452	740	49	129
UK3AAH	188,400	743	41	116
UK3TBF	180,032	489	49	145
UK3EAK	174,798	715	38	130
UK6AJA	166,498	591	51	115
UK3XMC	130,849	486	53	126
UK6AAJ	129,843	263	66	163
UK1ZAO	128,960	483	32	98
UK3TAU	115,951	600	29	98
UK3TBA	101,375	531	31	94
UK4LAD	85,305	395	32	89
UK1TAA	60,696	400	27	81
UK3ACR	48,069	172	43	66
UK1ABC	31,696	210	34	78
UK1ZAS	25,704	234	21	42
UK3XAM	22,560	186	22	58
UK4YAN	17,344	161	19	45
UK3DCF	13,574	165	18	51
UK1TAB	11,200	144	17	47
UK1OAA	8,874	84	19	39
UK4YYY	7,224	101	16	42
UK3TAC	1,148	25	10	18
UK3DDE	966	40	7	16
Kaliningrad				
UK2FAS	**107,136**	**662**	**31**	**93**
Latvia				
UK2GKW	**1,032,344**	**1468**	**89**	**255**
UK2GCF	309,132	1032	43	143
UK2GAX	198,240	849	36	104
UK2GBN	128,436	572	28	116
UK2GAG	103,768	572	30	89
Lithuania				
UK2BAS	**1,354,736**	**1932**	**89**	**284**
UK2BBB	1,030,806	1401	88	290
UK2PAP	1,015,644	1592	85	254
UK2PAF	992,344	1692	79	247
UK2BAG	329,451	1080	40	153
UK2PAO	232,470	795	45	144
UK2BAB	113,152	547	32	104
UK2PAT	110,838	514	35	112
UK2PAQ	71,864	460	24	80
UK2BBE	66,690	488	27	90
Ukraine				
UK5JAA	**1,528,569**	**2090**	**104**	**295**
UK5IAZ	**922,032**	**1283**	**83**	**259**
UK5MAA	822,035	1301	81	242
UK5MAG	646,204	1244	76	213
UK5OBE	362,695	735	63	188
UK5UBO	310,536	649	62	165
UK5IBM	301,360	674	62	172
UK5UAC	232,370	550	47	143
UK5WAZ	202,400	689	48	136
UK5LAA	149,435	463	34	109
UK5JAO	135,992	439	43	135
UK5CO	127,093	552	35	103
UK5HAB	99,520	332	40	120
UK5QAC	95,424	439	38	104
UK5EAK	93,420	462	29	82
UK5MBP	87,468	276	34	88
UK5WAG	74,664	465	37	101

OCEANIA

Western Samoa				
5W1AZ	**2,534,416**	**3043**	**108**	**176**

SOUTH AMERICA

Colombia				
HK4AOY	**747,824**	**1436**	**69**	**107**
Netherlands Antilles				
PJ9MM	**3,698,545**	**3424**	**95**	**270**
PJ1AA	**2,282,233**	**2662**	**79**	**210**
Trinidad				
9Y4A	**3,683,295**	**3239**	**101**	**284**
Venezuela				
YV5RT	**975,800**	**1395**	**72**	**166**

Multi-Op., Multi Xmtr.

NORTH AMERICA

W3WJD	**4,165,749**	**2585**	**136**	**431**
W3AU	**3,796,562**	**2398**	**135**	**419**
W4BVV	**3,704,400**	**2319**	**134**	**426**
K2GM	**3,290,688**	**2220**	**127**	**395**
W2PV	3,237,654	2323	116	375
W7RM	**3,000,380**	**2515**	**123**	**287**
W3FRY	2,842,290	1890	127	395
K6RR	**2,635,423**	**2753**	**723**	**260**
WA1RHA	**2,250,734**	**1805**	**103**	**330**
W3GM	1,898,822	1526	120	347
VE3DU	**1,335,928**	**1760**	**85**	**238**
K4CG	1,223,673	1189	89	274
W3TV	1,019,560	1013	101	258
AA3ATX	987,712	952	94	274
K2CW	959,582	1007	93	245
W3FA	701,460	813	80	235
W3NX	375,250	538	70	180
K3TGM	123,717	275	44	119

ASIA

UK9AAN	**4,859,348**	**3995**	**122**	**356**
JA3YKC	**1,054,238**	**1303**	**110**	**197**
JA3YBF	690,626	1042	100	154
JA1YXP	481,536	790	91	137
JH1YDT	449,568	757	82	141
JA7YAA	410,817	755	88	123
JA9YAV	187,995	487	65	86
JA1ZLO	75,040	260	47	64

EUROPE

YU1BCD	**3,185,980**	**3323**	**116**	**374**
OH2AW	**2,623,596**	**3120**	**110**	**334**
OH1AA	2,586,600	2785	109	341
DL@PG	**2,552,458**	**2731**	**102**	**344**
SK5AJ	**1,956,555**	**2705**	**100**	**305**
HB@AZD	**1,320,330**	**2351**	**83**	**247**
HA5KFN/5				
	1,287,654	1925	79	238
DK5VD	1,178,018	1704	85	249
DA2AS	339,600	1031	58	142
DL@11	273,625	823	56	143
LZ1KBG	**257,607**	**919**	**51**	**152**

CHECK LOGS

Our deepest thanks to the following stations who sent in Check Logs.

DJ7SN, DK5OS, DL7HU, DM2AFA, DM2BJD, DM2BUI, DM2CBB, DM2CBF, DM2CKD, DM2CLM, DM2CMF, DM2COJ, DM2DHN, DM2DPD, DM2DGN, DM2EXH, DM2FQN, DM2GDL, DM3IM, DM3SIC, DM3UE, DM3WYJ, DM3XBB, DM3XM, DM4KE/3FYA, DM4OLG, DM4PXH, DM4QMM, DM4SXH, DM47FM, DM5PUL, F8EX, FE4580, LA2IE, LA2KD, LA8O, LA8OM, LZ1GX, LZ1KDP, LZ1XX, LZ1KRD, LZ2RB, OH3XS, OH5YX, OH6UJ, OK1IAR, OK1DCW, OK2BON, OK2BNK, OK2BPL, OK2BQU, OK2PGU, OK3BT, OK3CWY, OK3EQ, OL9CGE, OX3OA, OZ7YY, SM1CXE, SM4FIV, SM5GFK, SM5HRP, SM7ASN, SM7T, SP1AFU, SP1CQN, SP1DFZ, SP1ETC, SP2AJO, SP2ASJ/2, SP2BLC, SP2GUB, SP2JIN, SP3CQP, SP3KEY, SP4ETO, SP4GHT, SP5GX, SP5LM, SP5AOK, SP5BAK, SP5FLC, SP5GBT, SP5GXL, SP5IFU, SP6RT, SP6DMJ, SP6FEK, SP6JLL, SP7BFC, SP7CVW, SP7EUO, SP7FMG, SP7HT, SP8ALC, SP8EOT, SP9CAV, SP9FRC, SP9PT, SP9PRO, UK9CAN, UK9-165-694, UA@BAK, UA@BBR, UA9OBW, UK@FAD, UK@SAL, YO8BAV, YO8MH, YU2CDO.

STATION OPERATORS

Multi-Operator, Multi-Transmitter

AA3ATX + WA3COJ.
DA2AS + DA1UD, DA1NJ, DA1DJ, DA1KA, DA1GW, DA1GX, DA4AM. **DK5VD** + DL8AN, DL8FD, DL8CH, DL8CM, DL8FR, DL8BL, DL8HA. **DL@II** + DJ2YE, DK8EY, DF1EA, DJ5PC, DJ8JP, DJ4TJ. **DL@PG** + DK2QL, DK3BJ, DJ9IE, DK3HA, DK5JI, DJ1FC, DJ9TQ, DK1QV, DF3QG, DF1QQ. **HA5KFN/5:** HA5GF, HA5FN, Szecsi Istran, Horrath Jozsef. **HB@AZD:** OH1TV, OH1VP, OH2BH. **JH1YDT:** 16 Operators. **JA1YXP:** 9 Operators. **JA1ZLO:** 5 Operators. **JA3YBF:** 13 Operators. **JA3YKC:** 26 Operators. **JA7YAA:** 8 Operators. **JA9YAV:** 6 Operators. **K2CW:** W2DA, W2ZA, K2LP, K2BPP, WB2BY, K2JAO, K2JQR, WA2EMG. **K2GM** + W1MDO, W1GYE, K2BQO, K2GL, K2KUR, K2TT, K6SSS, WA2FCA, WB2SQN, WB2VYA, R. Walsh. **K4CG** + K3WUW, WB4BGX, K4EBY, K5OGU, K4YEP. **K6RR** + W6RTT, K6LL, WB6KJI, K@GJD, WA6CXK, WB4BGY, WA6OTU, K6OZL, K6PDA. **K3TGM** + W3DOB. **LZ1KBG:** 8 Operators. **OH1AA:** 13 Operators. **OH2AW:** 16 Operators. **SK5AJ:** SM5AD, SM5AYY, SM5BNZ, SM5CAK, SM5CBN, SM5CNQ, SM5DPS, SM5EXE, WB4DNR, 4X4KK. **UK9AAN:** UA9AN, UA9ABA, UA9ACZ, UA9AEN, UV9AX, UW9BY. **VE3DU:** VE3BBH, VE1AL, VE2YU, VE3BUV. **WA1RHA** + K1VBL, W5UDK, WA1LKX. **W2PV** + WA1ABW, K1GMW, WA1NNC, WA1POJ, WA1QKD, WA1YER, K1YKT, K1ZND, WB2CKO, WB2OEU, WA2SPL. **W3AU** + K3EST, WA2LKZ, WA3IAQ, W3ZDK, W3IN. **W3FA** + K3ANA, W3ABC, WA3TOE, WB3BUU. **W3FRY** + K3HTZ, K3DZB, WA3LNM, W3HXK, K4JYP, W3GLR. **W3GM** + K3WJV, K3JLT, WA3WIM, K3CY, W2HEU, W3BUR, WA3JYB. **W3NX** + W3DRD, K3NEZ. **W3TV** — W3AOH, W3VW. **W3WJD** + K3YUA, K3OIO, WA3LRO, W3IFG. **W4BVV** + K3NPV, K3OAE, K3ZNV, WA3AMH, K4GKD, WB4UKA, K@DDA. **W7RM** + W7TML, K7JCA, K7HTZ, W5QQQ, K7RA, WB7ABK, WA8OCG. **YU1BCD** + YU1NQW, YU1NZV, YU1ODO, YU1ODS, YU1PCF, YU1QBC.

Multi-Operator, Single-Transmitter

AA4BTQ + LOGGER. **AA4LXV** + AA4TZM. **AA4LZR:** W4LBT, W4LKG, WA4LOZ, WB4QLN, K8RDE, WA0ACF. **AA5LES** + K5LWL, K5TSR, WA5WCT, WA5ZNY, WB5IZN, WB5OOW, KL7IDH, AC4MYA + W4LDF, K4ZRX, WB4RVY. **K4DBZ/C6A** + W4OZF, WA4NFF. **DL@WV** + DJ4AX, DJ8SW, DK4TP, DK4EM, DK5EZ, DL9DY, DA1UM. **DK@TU:** DJ9NX, DK2VQ, DK5GB, DK6QI, DK5HH, DL@SI, DJ@IP, 2 SWL's. **DL@KF** + DJ4FZ, DJ7SW, DJ5AV, DK7LN, DK8LD, DK8LE, DL2ZT, DL7OY, DK5TI. **DK@MS** + DK3XS, DK8QA, DF5XA, DK9JL, DJ@MP, DJ7QM, DF9QW. **DM3RF** + DM3WF, DM4WFF. **DM2ADC** + DM2BHC, DM3SIC. **DM3GM:** DM3LGM, DM3KGM, DK3MGM. **DM4CM** + DM2FHM. **G3VPW** + G3UKS, G3SJJ. **G3KMI:** G3WIE, G3ZER, G3YOZ, G4BIX, G4CXT. **GC4DAA:** G3FXB, G3MXJ. **GM3ZAC:** GM3LYI, GM3XNJ. **HA1KSA:** HA1SB, HA1SV, HA1TJ, Berecz. **HA1KZZ:** Keller, Nemeth, Czoponc, Bullogh, HA-XU. **HA3KMK:** HA3MK, HA3MX, HA3434, HA3435, Járó. **HA3KHB:** HA3GO, Takács, Gelengser. **HA4KYH:** HA4YO, HA4YQ, HA4YL, Istvan. **HA5KBM:** HA5HF, HA5KZ, HA5230. **HA5KFL:** Olah, Soket, Gondocs. **HA5KHT:** Tóth, Pavoy, Krarznai. **HA5KJC:** HA5LN, Molnar, Matyus, Holman. **HA6KNB:** Lakatos, Foldi, Hollandi, Nagya, Czipo. **HA6KVB:** Kulcsar, Suszter, Simon, Pap, Istvan. **HA7KLG:** HA7-015, HA7-079, HA7-012, Imre, Edit. **HA7KMS:** Bakos, Levai, Pap, Szabo, Varga. **HA8KUA:** HA8-075, IIA8-119, HA8-120, HA8-083. **HA8KUC:** HA8ZW, HA8VL, HA8BE, HA8VC. **HA8KWG:** Kulich, Jakeb, Mazen, Vantus. **HA9KOL:** Zrolenski, Bohoczki, Makrai, Csotai. **HA9KPU:** Laub, Mihaly, Lakatos, Weisz. **HA@KHW:** HA0IF, HA0IG, HA@HW, Kuklis, Paz, Piandi. **HK4AOY** + HK4ALE. **HG8U:** HA8UP, HA8UI, HA8-069, HA8-011, HA8-041. **JA3YKB:** JR3LOO, JE3TNH, JF3GFH, JH3HRW, JA3AJ. **JA6YDH:** Club. **JA7YFB:** JA7LPX, JA7PHV, JA7IBJ. **JA2ZAP:** Club. **JA8YAU:** JA8UXL, JA8KWG, JK3KDY, JA4RAJ, JA8JTZ. **K2BT** + K2CJD, W2NIN. **K6LY:** K4TRJ, K6RZU, WB6TJC, WB6CAM, WA6YGR, WA6TIJ. **K6QZ** + K6QX. **K6UD** + WA6TLV, WA1KID. **K6ZM** + K6RM. **K3MNT/7** + WA1KKM. **KG4JS** + WA4MQJ. **KP4ECH** + KP4EAS, KP4EBV, KP4EDX, WB5DLW. **DL7ON/LX/p:** DL7ON, DL7QU. **LZ1KAU:** Nedelcho, Pavlov. **LZ1KCP:** Schabanov, Pejchinor. **LZ1KHB:** Ivanov, Raikor, Pamykov. **LZ1KSD:** Sergyev, Hrystov, Mylarov. **LZ1KSM:** Yankov, Borisov, Petrov. **LZ1KSZ:** Club. **LZ2KBA:** Iliev, Karalakov, LZ2F8. **LZ2KKK:** Dimitrov, Dimov. **LZ2KSU:** Petkov, Wesko. **OE3GSA** + OE4SZW. **OH2AA** + OH2CG, OH2HI, OH2BAQ, OH2BNP. **OH3AG:** OH3HC, OH3MK. **OH3EW:** OH2DS, OH2VQ, OH2ZA. **OK1KCF:** OK1KZ, OG1XC, OK1DZM. **OK1KPU:** OK1AUN, OK1AXA, OK1MUF, OK1JDX, OK1KRY, OK1AQG, OK1AQO. **OK1KSL:** OK1FAK, OK1AHG. **OK1KSO:** OK1WT, OK1JCW, OK1SF, OK1AMF, OK1AII, OK1AAU, OK1AOC. **OK-KTL:** OK1DA, OK1SB, OK1TY, OK1AAL, OK1AQT, OK1ATW, OK1AWC, OK1VWA, OK1HBB, OK1AO, OK1DWA, OK1FCA. **OK1KUR:** OK3CID, OK1DDT, OK3CLF, OK3CMR, OK1DLO. **OK1KYS:** Club. **OK1OFK:** OK1MX, OK117419, OK12038. **OK1ONF:** Club. **OK2KNN:** Soupal, Vyskov, Hranicky. **OK2KTE:** Club. **OK3KAP:** OL8CCS, OK3CGI. **OK3KFO:** Club. **OK3KTD:** OK3CES, OK3TCV. **OK3KVL:** OK3ALE, OK3CGC, OK3TZL, OK3TNZ, OK3TGS. **OK3RJB:** OK3TCL, OK3TFI, OA326376, OK326312, OK326190, OK326685. **OK3RKA:** CK3TAM, OK3TDP, OK3TCJ, OK326016, OK326515. **OZ1SC** + OZ1HX, OZ7BW. **PJ1AA:** PJ2ARI, PJ2LA, PJ2MP, PJ2VD. **PJ8CM:** W5AT, W5NUT, W4YCQ. **PJ9MM:** W1GNC, W3ZZ, WB3BSV, W8FAW. **SK7CE:** SM7DXX, SM7EBC, SM7ECM, SM7EQL, SM7GQR. **SP3KTC:** SP3AAG, SP3CCT, SP3JIH. **SP5KOH:** SP5BKA, SP5GNQ, SP5IXE, SP5IVK. **SP5PSL:** SP4ELO, SP1FUN, SP4IRA, SP3HBW, SP5ZKO. **SP5PTR:** SP5FVI, SP5GMW. **SP5PWK:** SP5AIG, SP5DQX, SP5SIP, SP5BUD, SP5AUC, SP5AWV. **SP7KTE:** SP7IFM, SP7IIT. **SP9KCB:** Club. **SP9KMQ:** Club. **SP9KRT:** SP9HMF, SP9KFQ, SP9HNB. **SP9PTC:** SP9AQY, SP9EFP, SP9EHL, SP9EYV. **UK1ABC:** UA169872, UA116938. **UK1QAA:** Club. **UK1TAA:** UA1TAP, UA1TAU, UA1TAC. **UK1TAB:** Shamanma, Ivanov, Bogdanov. **UK1ZAO:** Osenkov, Synkov, Pavlenko. **UK1ZAS:** Kuzin, Yeremeev, Chalyh. **UK2AAB:** Konopelko, Pilosian, Krushininsky. **UK2AAG:** UC2LAR, UC2AAK, UC2009105. **UK2AAP:** Panchenko, Kalmaeva, Zolotoj. **UK2AAX:** UC2DS. UC2009389, UC2009381. **UK2ABC:** Gursky, Lavrinovich, Monko. **UK2BAB:** UP2BDK, UP2BBF, UP2038725. **UP2BAG:** UP2BAA, UP2BAE, UP2BZ, UP2DT, UP2MC. **UK2BAS:** UP2BAR, UP2BCI, UC2PAJ, UP2PAO, UP2038609. **UK2BBB:** UP2BC, UP2BAV, UP2MB, UP2038517. **UK2BBE:** Rahauskas, Matulaitis, Kavpavius. **UK2FAS:** UA212562, UA2125221, UA2DC. **UK2GAG:** UQ203-71024, UQ20371028, UQ20371025. **UK2GAX:** UQ2IF, UQ2GBD, UQ2GBR, UQ2GN. UK2GGN + UQ2OE, UQ2GCP, UQ2GGP. **UK2GCF:** UQ2GGB, RQ2GEE, UQ203-776. **UK2GKW:** UQ2ON, UQ2OC, UQ2PJ, UQ203783. **UK2IAJ:** UC2ICK, UC200-850, UC200852. **UK2PAF:** UP2BBT, UP2BCR, UP2BCT, UP2BCU, UP2PAQ. **UK2PAO:** UP2BEJ, RA@ADC, UP2038574. **UK2PAP:** UP2OX, UP2PAX, UP2PX, UP2PCN. **UK2PAQ:** UP2NL, UP2PBW, UP2038606, UP2038599. **UK2PAT:** UP2038521, UP2038603. UP20381512. **UK2RAX:** UR2FU, UR2REE, Tom, Neil. **UK2WAF:** UC2XWY, UC2WJ, UC2WAZ, UC200612, UC200627, UC200628. **UK3AAH:** Gukow, Kulechow, Kazwinowsky. **UK3AAI:** UA3AFQ, UA3ACY, UA3170109, UA3170389. **UK3ACR:** Motyakov, Pugach, Kashin. **UK3ACW:** UA3AEZ, UA3ABD, UA3ADY. **UK3DBG:** Bzuk, Voronin, Tereschenko. **UK3DCF:** UA3142681, UA3142891, UA3142268. **UK3DDE:** Club. **UK3EAK:** Efremov, Semenenko, Okulov, Livshits. **UK3IBA:** Berezkin, Martynov, Tarakanov, Wasiliev. **UK3TAC:** Sherhakov, Boltalov, Batrokov. **UA3TAU:** UA312240, UA3TCI, UA312218. **UK3TBF:** Letkov, Fedosee, Kuznetzov. **UK3UAA:** UW3UO, UA3UAY, UA3123246, UA3123228. **UK3XAB:** UA3XAC, UA3127348, UA3127347. **UK3XAM:** UA3127363, UA3127364, UA3127321. **UK3XMC:** Taratin, Mosin, Shapkin. **UK4AAB:** Club. **UK4HBB:** UA4HBW, UA4HCW, UA4HAG, UA4HFG, UA413332. **UK4LAC:** UA4LN, UA4164175, UA4164184, UA4164200. **UK4LAD:** UA4164117, UA4164163, Staitsev. **UK4WAB:** Baranov, Konusov, Krylov, Kychanov, Sakerin. **UK4YAN:** UA4YAW, UA407793, UA409791. **UK4YYY:** Leontyev, Danilov, Drjablov. **UK5EAK:** UB5060203, UB5060805. **UK5HAB:** Gmyrko, Grigorev, Bezklinsky. **UK5IAZ:** UT5AA, UB5073202, UB5073313, UB5073342. **UK5IBM:** UB507376, UB5IHL. **UK5ICD:** UB50731365, UB5IHO, UB50731428. **UK5JAA:** Prozorov, Prozorov, Gerosimov. **UK5JAO:** Stroken, Verhotina, Dolotovski. **UK5LAA:** Grunyov, Savinoy, Marikutsa. **UK5MAA:** UB5-MCI, UB5EC, UB5MDA, UB5MET. **UK5MAG:** UB5MDL, UT5HP, UB5MDP, UB5-MBP. **UK5MBP:** Sunarokov, Sisoew, Shatalow. **UK5QAC:** Larin, Sardak, Vjunichenko. **UK5QBE:** Club. **UK5UAC:** Usoltsev, Shevchok, Gaj. **UK5UBO:** Club. UK5WAG: UY5XB, Alexeyev, Vitiv. **UK5WAZ:** UB5068392, UB507480, UB5068395. **UK6AAJ:** UK6ADU, UA610160, UA61011150, UA61011152. **UK6AJA:** Club. **UK7AAF:** Alexandr, Vacheslav, Vladimir, Nick. **UK7CAA:** Oleg, Micha, Victor, Alexandr. **UK7CAI:** Alex, Alex, Grigory. **UK7FAR:** UL7FBB, UL7FP, UL70271. **UK7LAA:** UL7026199, UL7026232. **UK7LAF:** UL7026207, UL7026203, UL7026232. **UK8AAC:** UI8AAG, UI8ADR, RI8AJW. **UK8AAI:** UI8ACI, UI8BI. **UK8HAA:** UH8BA, UH8BY, UH8DH. **UK9AAA:** UA9AGI, UW9AI, UV9BA, UA9165608, UA91651005. **UK9AAQ:** UA9AAT, UA9AAZ, UV9BK. **UK9CBD:** UA9CBM, UA9CDJ, UA9CT, UV9DD, UA9DU, UW9DW, UA91541162. **UK9FER:** UA9FAJ, UA9FAL, UA9FAR, 303. **UK9LAE:** UA9LAX, UA9LBI, UA9LBJ, UA9LBK, UA9LBO, UA9161124. **UK9QAA:** UA9QAX, UA9QDX, UA9RQ, UA9RR, UA913411, Pawluckih. **UK9SAY:** UA9FBA, UV9FN, UA940005. **UK9HAD:** UA9HBH, UA9HBQ, UA915898, UA9158-UA9SAX, UA9SBF, UA9SCE, UA9SCJ, UA9SCT, UA9TS. **UK9WAP:** UA9WAC, UA9-WBY, UA9WCC, UV9WF, UA908432, UA90843621. **UK9WBD:** Nil, Andrey, Korpachev, Boris. **UK@CBE:** UA@CAF, UA@CBR, UA@CDC, UA@CDT. **UK@FAA:** UV@ED, UA@FAM, UW@FM, UW@FZ, UA01531, UA015379. **UK@FAN:** UA0FAV, UA015399, UA0153103. **UK@KAA:** Alexandr, Yuri, Valeri. **UK@QAN:** Donskoy, Utkin. **UK@YAA:** UA@YAD, V. Zolotuhin, S. Yunikov. **UK@ZAF:** Valerij, Victor, Valertiu. **VE1AI** + VE1MX, VE1AJP, VE1BJQ. **VE3AKG** + VE3BVD. **VP2VDJ:** W6KG, W6QL. **VP9DX:** Club. **VU2TI** + VU2TS. **W1NJL** + WA1QJU. **W1ZA** + K1DIR, K1EA, K1LPA. **WA1NRF** + WA1MAO, WA1OCU, WA1QNF. **W2UI** + WA3KRD, **W2YD** + W2HZY, W2FVS, WA2SRQ, WB2RKK. **WB2RLO:** WA2ESH, WA2AJN, WA2BYX, WA2HDD, WB2ELF, W2TIW. **W3BGN** + WA3YHT. **W3BWZ**