Results of the 1988 CQ World-Wide DX SSB Contest

BY BOB COX*, K3EST/6, AND LARRY BROCKMAN*, N6AR/4

"Incredible! Best conditions on the high bands ever." "Fifteen was open the whole contest. Never heard anything like these great conditions." "There are no meters like ten meters." Those are a sampling of remarks from operators from around the world commenting on the outstanding conditions in the 1988 *CQ* WW SSB Contest. "I thought I had died and gone to heaven." "Is there a propagation category above above average?" Twenty meters was like forty, fifteen was like twenty, and ten was a dream. Action from 28.300 to 28.850! You easily could miss a multiplier on a band that required over 500 kHz of tuning.

The conditions were outstanding, but so were the operators from around the world. Rising to the occasion, single operators and multi teams saw old records fall like leaves from a tree. State-of-the-art computer-assisted stations competed next to modest setups, and they both worked 3W8DX! Special DXpeditions fanned out around the globe to enhance their chances of making QSO's and make the contest more interesting for all the participants. Just how good was 10? Several stations worked SO1A, HG5A, AT0Z, D44BC, 9V1XI, BY4SZ, and 4S7EA in the first 20 minutes of the contest.

FK0AW: from left, FK8FI, FK1SU, FK8FK, FK0BG, FK0AW.

Single Operator All Band

The competition for single operator all band pitted four top competitors operating from CT9BZ, 9Y4TT, PJ2FR, and P40A. When the final bell rang, CT9BZ operated by Martti, OH2BH (the newest member of the *CQ* Contest Hall of Fame) had won. He set a new World and African record for the single operator category. 9Y4TT, operated by NQ4I, also broke the old world record in finishing second. Rick set a new South American record. PJ2FR operated by Rich, N6KT, and P40A operated by Bill, N1GL, finished third and fourth, respectively. Look at the Band-by-Band Breakdown box for these fellows. It is quite impressive. Way out in the Pacific, where everyone's beam is pointed in the opposite direction most of the time, YJ0RY managed to not only finish sixth in the world, but set a new Oceania record as well.

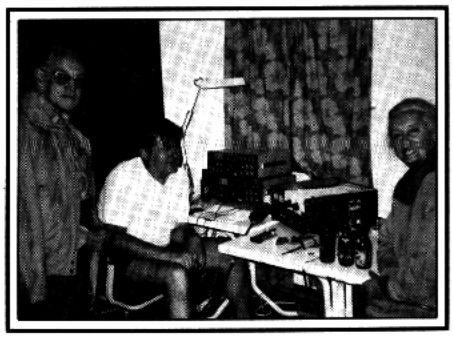
In the USA, Stu, KC1F, using a station on the edge of technology, combined with top operating skills, broke the old USA record by nearly two million points. It seems that improvements in technology and conditions, and most important, the increased skills of operators throughout the world, allow operators like Stu to push the record higher and higher. The same can be said about the second-place finish of K3TUP operated by K3LR. The station on Lake Eire sure demonstrates what is possible from points west of the east coast. Newcomer to the East, N6BV/1, finished third, while Randy, K5ZD/3, finished fourth (Randy had the smallest number of unique QSO's of anyone we checked; uniques can be a measure of copying errors).

In Europe the winner was Ville, OH0MM, operated by OH2MM. What an outstanding job for so far north in Europe. Ville set a new European record. He was followed by another MM, HA0MM. Everyone seems to like to work these stations. We had several comments about how easy it was to QSO these fellows on all bands.

In the QRP category ZY5EG, operated by PY5CC, was number one in the world. With most of the operators of PY5EG at ZX0F, PY5CC was able to put super-station PY5EG to good use. Finishing second in the world was KR2Q, Doug, who lead all comers in the U.S. in this category.

Single Operator Single Band

Generally speaking, the high bands were above average for the entire contest. Although only one low-band record fell over the weekend, the country totals from many stations indicated that the low bands were open for most of the usual openings. With so much activity devoted to 10 and 15, the amount of activity on the low bands suffered. Single band operators sometimes are concerned that if they choose to operate 28 MHz, for example, they cannot make any QSO's on any other band. It is perfectly OK to QSY to any other band to run or work stations even if you are a single band entry. You just choose the band to submit as your single band entry and count the other QSO's as a checklog. That way you can work new band countries for yourself or hand them out during times when your single band is dead.



New single op record holder CT9BZ. L to R: CT3AR, CT3BZ, and CT3YD.

Two operations separated by 7,000 miles went head to head on 28 MHz. VP2ET piloted by K5RX edged out KD7P/NH2. As a result of their efforts the world record on 28 MHz was broken by VP2ET and a new Oceania record was set by KD7P/NH2. Two other continental records were set: LT8WW and YU3ZV both are

*1816 Poplar Lane, Davis, CA 95616
**12041 Walker Pond Rd., Winter Garden, FL 32787

Wow! HB0CZS: back (L to R)DK8MZ, DJ0IP, DL4OBD, DF9YY, DK1FW; front DL5MAE, DF7RX, DF9XV, DF3QL, DB2QK, DK3RG, DK6QX, DL4NAC, DL2NBU, DL6RAI, DL8OH, and DK2OY.

Top multi-single in Europe IR4LCK. L to R: I4LCK, I4RYC, IK4EWK, IK4CZF, I4ZSQ, I4EAT, I4YRW, I4IKW, IK4CTR, I4IND, I4TJE, and I4VEQ.

new record holders. In the USA, W0ZV set a new record by edging out new West Virginian Dave, K3ZJ/8. Bill, W0ZV, remarked that it was a surprise to be called by His Majesty, JY1!

Moving 7 MHz down frequency, the clear winner on 21 MHz was ZP5Y. He set a new World and South American record. VO1SA did a classy bit of operating to finish second. Setting a new continental record for Europe was YT3AA, Tine. As a matter of fact, the top three European finishers were from Yugoslavia: YT3AA, 4N2E, and YT6AA. Meanwhile in the states, Carl, K3RV/4, edged out John, K2VV, for a new USA record. Carl will be on this year from EL, where he now lives.

You would think with conditions so good on 10 and 15 that 20 would suffer. Well, it was different than in recent years. Closing for part of the day, it became an afternoon to breakfast band. This was sufficient for Siggi, TF3CW, to set a new European record as he won for the world. The top six box on 20 illustrates how diverse were the QTH's of the winners. Finishing second was YX5A and third was VE2ZP. In the USA, KV4P broke through the pileups often enough to take first-place honors. Second place goes to N4CC/9.

The competition on 7 MHz was fierce, and when the dust settled TI1W emerged as the winner over SP5RBR, who broke the old European 7 MHz record. Handing out a nice prefix was FM4A, who finished third. In the states K5RR was the run-away winner over second-place winner W9DUB. On 3.7 MHz it was again clear that the winners in the top six box could come from anywhere. IK5BAF took away the trophy by finishing first over UF6VZ. In doing so IK5BAF set a new European record. In the states perennial strong signal W6RJ beat out W7IVX for the top slot. Top band seemed to suffer most probably because everyone was on 20 or 15. The World top score was YU3MM, who had a signal heard over most of the world. In the USA the guy to beat is Rick, K5UR, who just keeps taking top band honors.

Multi-Single

This category generates a great deal of interest in the *CQ* WW test. Anyone who has operated it knows it is fun. This year a group of Finnish operators traveled down to EA8AGD and not only had a lot of fun, but set the new World's record in the process. With an outstanding score of over 17 meg points they beat out second-place finisher PJ1W. Again look at the Band-by-Band Breakdown chart to notice the different strategies used by the two teams. The QSO's/band will tip you off. A special expedition to ZX0F finished third in a category where competition is very high. In most cases contestants in the multi-op categories who travel overseas do not walk into a ready-made station. They usually choose a hotel in a good location and then the week before the contest, haul everything to the QTH and set up everything field-day style. C30DSA took everything by truck from Finland to Andorra, to a location high in the mountains where they erected towers, antennas, etc. When enthusiasm is rampant, contesters will move mountains of equipment to get that great good time. Just take a look at the picture of HB0CZS. The number one score in Europe was IR4LCK. The happy crew appears in the picture after setting a new European record. The crew from HG5A (a beacon here on the West coast) took second place in Europe. Here in the states N2RM set a new USA record in beating the boys from Tom Sawyers home town, K4VX0.

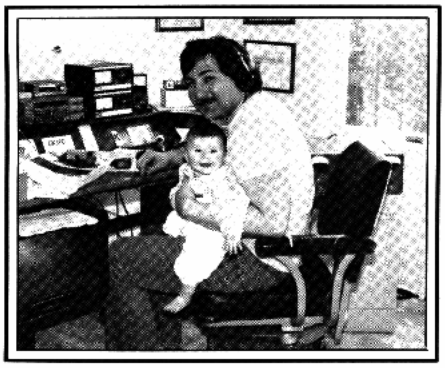
Putting YS in everyone's log was YS0YS. Clockwise from bottom: YS1GF, YS1OR, YS1ZD, YS4GV, YS1OD (YS1FAF head out of picture).

Multi-Multi

Realizing the high probability of great conditions in the contest, the multi-multi stations from around the world were set to go all out. Assembling antennas to be stacked and phased, tuning the antennas for maximum forward gain without worrying about front-to-back ratios, carrying out the logistics of getting 15 to 20 operators to agree on how each band should be run, appointing a band captain who headed a band crew, knowing that the competition is trying to anticipate all their moves, overcoming local custom and licensing problems—these were only a few of the problems overcome by the new World record holders at P40V. Facing similar setup problems (each station set everything up for the weekend) was second-place finisher PJ1B. Located only 120 miles from P40V, the two stations initiated the highest level of competition seen in years. Each of these multi-multi crews is similar to a soccer or football team—all players have to pull together to win. Located farther north and having just as much fun during the contest was KP2A. The new USA record holder is W3LPL (since the WW SSB they have won all four major contests: two CQ and two ARRL, the first to do so). Frank's crew was in heaven with conditions so good. Not too far back was the effort of N5AU from down Texas way. In Europe, UP8A not only finished fourth in the world, but set a new European record along the way. The beautiful location of HB0CZS must inspire the best from central Europe, as they finished second. Special mention should be made of the rugged competition from zone 1. Accumulating high scores is hard enough, but to do so from KL7 is fantastic, so our congratulations to KL7Y, who edged out KL7RA.

Comments

Last year we mentioned a growing interest in creating a single operator unlimited cate-



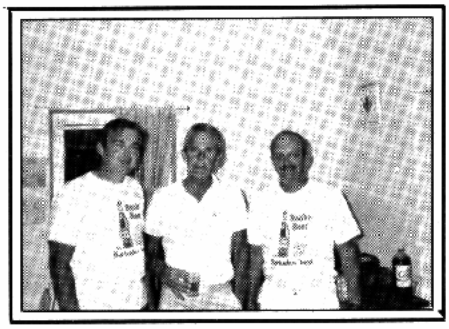
Top QRP in USA, number 2 in the world KR2Q with Samantha.

gory. Well, in response to your letters we did it. This category is a cross between single operator and multi-single. Although only one operator is allowed to use the station's equipment, he can make use of spotting nets and packet radio. So even though he is receiving spotting help from others (clearly multi-single), he is working and receiving contacts by himself (clearly a single operator). When the committee met in Dayton this year, it was decided to call the category single operator unlimited in the hopes of not restricting the growth of creative ideas. The new category does not have a 10-minute rule, so an operator can freely move anywhere at anytime. We hope that this new category will create interest for a growing segment of the contest population.

Each year we receive logs where there is no information in the received column. The operator has only written down the call and nothing else. These types of logs are in violation of rule XI.2: all sent and received exchanges must be logged. If a station fails to follow this rule then the delinquent QSO's will be removed from the log.

The Committee also decided to eliminate the two-year rule, which prevents the winner to receive a trophy if he repeats as winner the next year. Now if you win, you win the trophy. We are looking for potential trophy donors for the 1989 contest. If you are interested in contributing to the contest please contact K1AR.

The burden of log checking by your Committee is awesome. Each year we receive computer printout logs of top scores with no disk included. We then have to type the entrant's score into the computer. It seems silly for us to repeat what you have already done—i.e., type your log into the computer. If you submit your



Three guys just having a great time in the CQ WW. 8P9X operated by L to R: K4FJ, K3KG, and K3ZR.

SSB TROPHY WINNERS AND DONORS

SINGLE OPERATOR, ALL BAND
WORLD
CT9BZ (Opr. Martti Laine, OH2BH)
Donor: Dave Rosen, K2GM
WA2RAU Memorial

World QRP
ZY5EG (Opr. Peter Z. Sprengel, PY5CC)
Donor: Milliwatt Books, WØRSP

USA
Stuart Santelmann, KC1F
Donor: Potomac Valley Radio Club

Caribbean/Central America
Julio E. Henriquez, HI3JH
Donor: Alex M. Kasevich, VP2MM

Europe
OHØMM (Opr. Vilho Hiilesmaa, OH2MM)
Donor: Potomac Valley Radio Club
W4BVV Memorial

Africa
J52US (Opr. David E. Heil, K8MN)
Donor: Gordon Marshall, W6RR

Asia
Shigeki Fujii, JR6PGB
Donor: Japan CQ Magazine

Japan
Hideo Takahashi, JF1SEK
Donor: Japan CQ Magazine

Oceania
YJØRY (Opr. Pekka Kolehmainen, OH1RY)
Donor: Northern California DX Club

South America
9Y4TT(Opr. Ralph Dougherty, NQ4I)
Donor: CQ Magazine

SINGLE OPERATOR, SINGLE BAND
World—28 MHz
VP2ET (Opr. James Eppright, K5RX)
Donor: Joel Chalmers, KG6DX

World—21 MHz
ZP5Y (Opr. Luis N. Kemper P., ZP5JCY)
Donor: Lee Wical, KH6BZF

World—14 MHz
TF3CW (Opr. Sigurdur R. Jakobsson, TF3CW)
Donor: K2HLB Memorial
(New Jersey DX Association)

World—7 MHz
TI1W (Opr. Carlos W. Wiez Menk, TI2KD)
Donor: K7ZZZ Memorial (Fred Laun, K3ZO)

World—3.5 MHz
Marco Luporini, IK5BAF
Donor: Fred Capossela, K6SSS

USA—28 MHz
William Tippett II, WØZV
Donor: Donald Thomas, N6DT

USA—21 MHz
Carl Kratzer, K3RV/4
Donor: West Jersey DX Group

USA—14 MHz
Brantley Furness, KV4P
Donor: Southern California DX Club

USA—7 MHz
Richard Fenwick Sr., K5RR
Donor: Stanley Cohen, WD8QDQ

USA—3.7 MHz
Robert Ferraro, W6RJ
Donor: Arnold Tamchin, W2HCW

Canada (21 MHz)
J. Richaer Burke, VO1SA
Donor: Gene Krehbiel, VE7KB

Caribbean/Central America (28 MHz)
Leonce Richer, FM5DN
Donor: Pedro Piza, Jr., NP4A
KP4ES Memorial

Europe—28 MHz, Zone 14
Joao Rafael Faustino Almeida, CT1BOP
Donor: A. G. Anderson, GM3BCL

Japan—21 MHz
JH7YJF (Opr. Fumika Kawahara, JR7OKR)
Donor: DX Family Foundation

MULTI-OPERATOR, SINGLE TRANSMITTER
World
EA8AGD (Ops. OH8PF, OH6LK, OH6EI, OH1EH, OH1EB, OH1CN)
Donor: Southern California DX Club
(W6AM Memorial)

USA
N2RM (Ops. N2RM, N2ME, M2MR, WM2H)
Donor: Carolina DX Association

Europe
IR4LCK (Ops. I4EAT, I4IKW, I4IND, I4LCK, L4LEC, I4RYC, I4TJE, I4VEQ, I4VOS, I4YRW, I4ZSQ, IK4CTR, IK4CZF, IK4EWK)
Donor: Bob Cox, K3EST/6

Canada
VE6OU/3 (Oprs. VE6OU, VE3BVD, VE3OZB)
Donor: Calgary Amateur Radio Assn.

MULTI-OPERATOR, MULTI-TRANSMITTER
World
P4ØV (Ops. AI6V, AI7B, K7RA, K7SS, KE7V, KQ2M, N6BT, N6IG, N6TU, N7NG, NB6G, NV7Z, VE7SZ, W4ETO, W6OAT, W7WA, W8LRL, WA6AUE, WA6DGX, WA7NIN, WJ7X)
Donor: Radio Club Venezuela

USA
W3LPL (Ops. F6IIR, K1DQV, KC8C, KF3P, N3GB, N8II, NW5E, W3EKT, W3EMH, W4PRO, WB2EKK, WB3JRU, WD4AXM, WD8HBB)
Donor: DX Incorporated Club

Europe
UP8A (Ops. UP2BAW, UP2NO, UP2NOG, UP2NTA, UP2PAJ, UA3132071)
Donor: OH-DX-Ring, OH2AM

CONTEST DXPEDITIONS
World Single Operator
VK9YG (Opr. Steven E. Telenius Lowe, G4JVG)
Donor: Stuart Meyer, W2GHK

World Multi-Operator
3W8DX (Ops. HA5MY, HA5PP, HA5WA)
Donor: The German CDXG & SDXG
(DJ3NG & DJ4EI Memorial)

3D2XX (Oprs. VK8XX, W6SZN, K3NA, KN3T)
Donor: CQ Magazine

BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

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

WORLD TOP SINGLE OPERATOR, ALL BAND

Station	160	80	40	20	15	10
CT9BZ	124/10/37	175/22/64	608/24/83	2358/37/107	926/30/97	2695/34/109
9Y4TT	57/8/18	272/12/34	648/28/74	2051/36/97	1703/35/108	2419/32/105
PJ2FR	57/8/13	235/16/40	406/20/62	1380/35/90	1610/32/94	2933/34/102
P4ØA	39/11/14	231/18/54	221/27/67	934/32/97	1690/30/94	2830/30/99
HC5J	34/6/8	183/11/24	401/28/59	1185/29/84	1593/35/105	2671/30/102
YJØRY	7/4/6	172/18/38	465/28/55	986/32/85	1425/32/91	3068/30/95
3D2VV	4/4/4	57/19/21	300/31/61	1070/33/79	1288/34/91	2055/31/81
OHØMM	125/8/36	294/19/59	459/26/77	1362/30/99	865/32/99	1528/34/103
KC1F	16/7/10	225/18/58	102/18/58	968/36/125	723/33/102	1527/34/117
HAØMM	53/4/22	445/14/52	293/27/81	848/36/102	439/34/89	2385/39/117

USA TOP SINGLE OPERATOR, ALL BAND

Station	160	80	40	20	15	10
KC1F	16/7/10	225/18/58	102/18/58	968/36/125	723/33/102	1527/34/117
K3TUP	20/7/13	118/15/50	104/20/61	628/39/122	1040/37/117	1306/36/122
N6BV/1	0/0/0	116/13/47	102/15/52	411/32/106	1021/34/116	1134/31/111
K5ZD/3	12/6/8	101/17/54	153/21/63	620/38/109	694/33/110	902/36/120
W9RE	16/6/8	83/16/47	107/25/63	615/35/105	597/33/96	1237/30/112
K3QO	15/6/9	133/12/47	84/18/49	472/34/101	984/34/118	915/34/111
K4ISV	29/9/16	83/21/50	92/23/58	635/36/100	877/36/100	704/37/108
N2LT	12/7/9	110/13/48	96/21/52	541/30/91	420/33/87	1366/34/113
WX4G	7/7/11	95/16/51	119/22/59	530/32/83	520/30/79	1228/36/119
K1CC	32/13/21	166/14/52	101/20/54	520/34/103	419/30/94	1103/32/103

WORLD TOP MULTI-OPERATOR SINGLE TRANSMITTER

EA8AGD	64/9/36	164/15/64	387/24/74	2478/37/121	1565/36/124	3545/36/128
PJ1W	19/5/15	359/20/62	165/22/72	2722/39/124	296/34/106	4342/36/117
ZXØF	17/11/16	126/16/36	263/25/83	2658/36/132	1347/38/139	2622/38/143
8P9X	71/5/11	162/16/47	667/29/93	1978/37/112	2148/38/131	2575/37/131
IR4LCK	48/8/48	163/21/74	500/38/121	1496/38/152	1594/39/138	2381/40/145
HG5A	147/8/40	532/14/57	336/28/79	1076/39/128	1810/39/125	2334/36/114

USA TOP MULTI-OPERATOR SINGLE TRANSMITTER

N2RM	27/11/24	242/17/63	82/23/73	614/37/126	1120/37/126	1293/36/131
K4VX/Ø	25/12/22	68/20/62	187/28/77	575/39/135	924/35/129	1205/36/124
W5WMU	15/8/12	108/20/64	147/30/84	769/39/135	695/36/125	1198/34/124
K8CC	17/11/15	78/18/64	161/26/83	596/39/128	962/36/129	1084/37/130
N3RS	7/6/5	128/18/59	156/22/66	462/39/121	908/38/132	1026/34/138
N2MG	11/6/9	131/14/54	91/20/68	1084/38/146	581/35/123	784/30/107

WORLD TOP MULTI-OPERATOR MULTI-TRANSMITTER

P4ØV	338/17/43	1504/26/97	2063/32/125	4884/38/164	4867/38/159	4409/38/158
PJ1B	528/17/48	1133/24/89	1918/31/118	4880/39/165	4703/39/148	4254/37/159
KP2A	521/15/53	800/21/89	1843/29/107	4780/38/166	4878/38/154	3848/36/140
JP8A	738/12/52	933/20/65	1220/34/113	3255/39/142	3165/39/136	3051/39/133
HBØCZS	541/10/54	1318/15/69	1480/28/105	3368/38/143	2711/37/131	2319/37/119
W3LPL	141/16/52	415/22/75	330/28/93	1571/39/159	1710/38/146	2310/37/156

USA MULTI-OPERATOR MULTI-TRANSMITTER

W3LPL	141/16/52	415/22/75	330/28/93	1571/39/159	1710/38/146	2310/37/156
N5AU	79/15/35	175/24/68	442/31/101	1271/39/158	2102/39/161	1912/37/162
K2TR	86/15/35	211/15/65	235/24/84	1865/39/156	1954/39/148	1712/37/153
WM5G	46/15/26	211/23/59	305/28/84	991/38/143	1932/38/152	1557/37/144
NB1H	30/10/16	200/14/59	245/25/87	1241/39/137	1828/39/142	1407/36/143
N4RJ	184/16/43	179/20/67	306/30/95	1086/39/132	1466/37/147	1140/37/146

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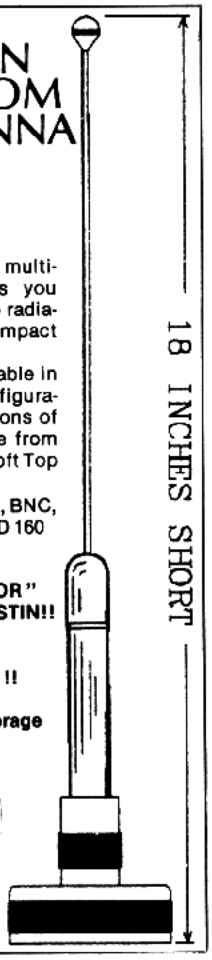

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Tim, K3LR, pushed K3TUP into number 2 in the USA.

log as a computer printout, please send us a copy on a floppy disk. We use IBM-compatible systems and can convert most inputs to IBM. We prefer an ASCII file of your log. To encourage the top scorers to submit disks of their logs, which we can read, we will decrease the penalty for duplicate or broken QSO's as follows: less than 1% to 2, less than 3% to 5. If you submit a regular log it will be treated as per the rules. If you use a dupe-checking service ask the checker to send a floppy in with your log. For those of you who sent in disks last year, thank you! Because of all your efforts we hope to continue to certify the winners as worthy.

Thanks to all the members of the contest committee for all their hard work: K2SS, N2AA, KR2Q, K2VV, N3ED, K1DG, K1AR, W2RQ, K5NA/2, W9RE, WA8YVR, W7EJ, KE7V, K7RA, K6NA, AD6C, and N6AW.

It is with a great deal of respect and fondness that the contest committee says to Frank, W1WY, thank you. Thank you for taking over and nurturing the contest in its infancy. Thank you for providing the standards of excellence that now guide us, and thank you for remaining as our advisor over the years and in the present.

Congratulations to all the winners! We look forward to seeing you in the 1989 contest!

73, Bob, K3EST/6, and Larry, N6AR/4

TOP SCORES

WORLD Single Operator All Band		USA Single Operator All Band		EUROPE Single Operator All Band	
CT9BZ	12,743,190	KC1F	6,429,808	OH0MM	6,544,684
9Y4TT	12,340,132	K3TUP	6,004,683	HA0MM	6,203,318
PJ2FR	10,692,318	N6BV/1	4,510,586	ZB2X	6,058,080
P40A	10,103,709	K5ZD/3	4,434,765	GW4BLE	5,235,428
HC5J	9,358,202	W9RE	4,416,000	UP3BA	4,435,218
YJ0RY	8,970,328	K3OO	4,303,803	OH6JW	4,250,536
3D2VV	6,687,564	K4ISV	4,083,156	OH3UU	4,093,600
OH0MM	6,544,684	N2LT	4,003,796	OH1AF	3,966,270
KC1F	6,429,808	WX4G	3,902,200	DJ4PT	3,629,934
HA0MM	6,203,318	K1CC	3,877,140	OY9JD	3,463,306
28 MHz		**28 MHz**		**28 MHz**	
VP2ET	2,423,880	W0ZV	1,139,040	YU3ZV	1,541,603
KD7P/NH2	2,309,304	K3ZJ/8	1,026,684	G3FXB	1,494,048
LT8WW	1,930,500	K7RI	973,947	G3LNS	1,264,848
P40DX	1,775,172	KS1L	955,632	IU4K	1,220,610
FM5DN	1,637,272	KX4S	955,344	I1ZEU	1,179,420
CE6EZ	1,630,044	K7QQ	727,360	EA6VQ	1,097,136
21 MHz		**21 MHz**		**21 MHz**	
ZP5Y	2,525,791	K3RV/4	1,270,478	YT3AA	1,423,275
VO1SA	1,650,176	K2VV	1,172,760	4N2E	1,303,808
YT3AA	1,423,275	KU2M	856,042	YT6AA	1,203,238
P40TL	1,399,827	K1UO	801,652	OH5BM	1,141,296
4N2E	1,303,808	W2HFP	683,388	LZ1YE	1,011,810
K3RV/4	1,270,478	NG2X	647,190	G4CNY	990,344
14 MHz		**14 MHz**		**14 MHz**	
TF3CW	1,791,840	KV4P	528,080	TF3CW	1,791,840
YX5A	1,274,880	N4CC/9	459,550	CT1BOP	1,175,230
VE2ZP	1,254,282	W6QHS	378,005	UR2RE	787,064
CT1BOP	1,175,230	N4MO	358,668	IK6CWQ	695,540
AZ4M	1,060,332	W8TWA	326,838	IK1HJS	607,370
A92BE	967,750	WA1DXD	308,183	IK8ETA	576,380
7 MHz		**7 MHz**		**7 MHz**	
TI1W	534,797	K5RR	177,280	SP3RBR	505,440
SP3RBR	505,440	W9DUB	66,040	IO3MAU	428,250
FM4A	467,148	W9CH	50,796	OH2HE	219,510
IO3MAU	428,250	WA2IFS	50,300	YT7A	198,882
8R1RPN	353,956	N8RA/1	45,135	I5FCK	194,228
JA5OVU	290,895	K3UA	40,660	YU4VO	168,942
3.7 MHz		**3.7 MHz**		**3.7 MHz**	
IK5BAF	270,704	W6RJ	83,136	IK5BAF	270,704
UF6VZ	204,134	W7IVX	65,250	4N1A	116,309
TE1L	198,336	W0CD/8	62,205	I4AVG	110,424
4N1A	116,309	K4HJJ	48,327	RB5DX	76,964
I4AVG	110,424	WB2ULI	40,290	YT3AW	65,892
JA1XAF	89,268	KQ3V	38,808	DK5WN	56,854
1.8 MHz		**1.8 MHz**		**1.8 MHz**	
YU3MM	29,169	K5UR	16,368	YU3MM	29,169
OK3CWQ	23,460	KG4W	10,505	OK3CWQ	23,460
VE1ZZ	23,188	W2FCR	5,580	IV3PRK	22,445
IV3PRK	22,445	WB3GCG/4	5,332	SP5INQ	17,670
VE3PN	22,008	KD9SV	4,218	LZ1KOZ	14,040
VE3DO	20,091	KJ9I	2,700	OZ7JZ	9,216
Multi-Operator Single Transmitter		**Multi-Operator Single Transmitter**		**Multi-Operator Single Transmitter**	
EA8AGD	17,172,672	N2RM	6,923,136	IR4LCK	13,157,568
PJ1W	15,259,408	K4VX/0	6,227,259	HG5A	10,691,254
ZX0F	14,721,311	W5WMU	6,056,298	LZ9A	10,490,675
8P9X	13,989,181	K8CC	6,020844	C30DSA	10,165,779
IR4LCK	13,157,568	N3RS	5,242,974	Y34K	9,959,275
HG5A	10,691,254	N2MG	5,003,050	OK7MM	9,507,142
Multi-Operator Multi-Transmitter		**Multi-Operator Multi-Transmitter**		**Multi-Operator Multi-Transmitter**	
P40V	49,294,652	W3LPL	16,092,951	UP8A	23,092,600
PJ1B	46,091,192	N5AU	14,896,951	HB0CZS	18,270,570
KP2A	37,042,774	K2TR	14,229,270	YT2R	12,960,410
UP8A	23,092,600	WM5G	11,302,107	YU1EXY	12,373,616
HB0CZS	18,270,570	NB1H	10,750,824	OZ9EDR	10,157,720
W3LPL	16,092,951	N4RJ	9,655,415	DF0DX	7,517,400

DX QRM

Biggest thrill: operating CQWW from Rotuma . . . *3D2XX*. Real antennas next time . . . *8P6BBS*. 10 meters was great; good score on 10 meters for US . . . *DA1WA*. Fuimos derrotados por MURPHY . . . *EA1DQB*. Killing the electronic safety system of the local chair-lift with our RF-power, let us meet a lot of new, interesting people . . . *HB0CZS*. We joined in WW for the 1st time . . . *JA0ZRY*. I'm very sorry. We couldn't win in the contest . . . *JA2YKA*. Good condx in 28 MHz between USA and JA . . . *JA6YCU*. Vry tks FB condx . . . *JA9YAA*. Condx for this contest made building this Multi-Multi worthwhile . . . *KL7RA*. Very bad conditions in 16, 8 and 2 meters . . . *L8H*. First time, gud condx, we worked only first 23 hours in the contest . . . *PI4AJS*. Congratulations to P40V operators on a fine win . . . *PJ1B*. Can conditions like this get better in heaven? . . . *VE7ZZZ*. Hard to get multipliers over JA pileups . . . *AH0B*. Two antenna rotors burnt!! Propagation wide open . . . *CE5BYU*. Tremendous 28 MHz European pileups . . . *FK0AW*. Propagation on 10 meters was fantastic . . . *JA1ZEQ*. 16 new countries . . . *KL7CQ*. 3W8DX called us on 10 meters . . . *PJ1W*. Decisions, decisions, decisions which band to operate . . . *VE5GF*. First time in CQWW. Didn't break any records but lots of new countries and lots of fun. Thanks! . . . *XE1THR*. Of course we were working on antennas at 2359 . . . *ZF2JR*. Sun and 86 degrees are serious distractions. . *8P9X*. Tks fr nice contest! . . . *RW4LYL*. Operated only 13 Hours . . . *UZ3DXS*.

Tnx for nice contest! . . . *UQ0A*. Tnx nice contest . . . *UQ1GXJ*. My first single op all band phone CQWW DX! . . . UP3BO. Fb condx on 10 and many lost multipliers . . . UP1BWW. I worked 39 zones for WAZ! . . . RB5HT. Tnx for nice contest—73! . . . *UP1BZO*. Glad to notice W/K again on 10 meters. Our first 4 meg score! . . . *UT4UXW*. Beautiful DX-peditions: YJ0RY, J3/W8KKF . . . *UB4TWA*. Thanks so much to all for nice contest QSO . . . *UL8LYA*. Fantastic propagation on 10 meters!!! . . . *UL8CWW*. Cheerio! . . . *UI9BWE*. Winds 20 m/s; 40 M loop was seriously damaged! . . . *UR1RWL*. This was our first CQWW SSB contest using our RL1P call from the RL8PYL contest team. Propagation fantastic on all bands, but lower activity on low bands than usual. We will have even bigger antennas next year! . . . *RL1P*. This was my first big contest—it was very hard and exciting . . . *DL8OBE*. Congratulations! This is the best contest in the world . . . *EA2AN*. Good conditions . . . *DL2JO*. 10 M fine DX band, 20 M too much EU QRM . . . *DL5UF*. I had a lot of fun . . . *DL8NBJ*. Good participation of all countries . . . *CR7BWW*. Sorry for me my wife had a severe headache just now when conditions were quite fair . . . *SM6IY*. I was first SM stn for many US stn on 28—tnx fine contest . . . *SM0JOQ*. Always nice to work the whole world . . . *PA3EBX*. Good condx, plenty W and UA, fine test . . . *PA0KDM*. The 2nd day of the contest the amplifier broke . . . *EA7DHP*. It was a very nice contest. The propagation was better than last years. Many thanks . . . *PA3CJP*. Fantastic conditions . . . *LX1EA*.

Delighted to work 3W8DX for an all-time new one . . . *G3XTT*. Sorry, I had no more time. Fantastic conditions on 10, 59+ signals by HS0A, YJ0RY, BY1PK, ZB2X, no good RX with 3W8DX . . . *DJ6TK*. To all of you Merry X-mas and specially a very healthy, happy and prosperous New Year 1989 in peace! . . . *DJ2UU*. In this year I worked non-high power . . . *DL3YCJ*. Rotator seized after 1 hour, XYL's temper seized after 24 hours, my throat seized after 44 hours . . . *GM4VJV*. Super contest again. I can now beat the million point barrier, but tell me, how do I beat sleep? . . . *GW4RHW*. I built a 100 ft. tower as an elevated ¼ wave vertical on 80 and 80 was very poor, but 10 is back. A real good fine time . . . *F6AOJ*. I do this contest only for testing my computer log program. It's ok for CW . . . *F5IN*. My 10th CQWW DX contest and always very happy, 3 new countries this weekend . . . *FE6FNA*. Bad propagation for my location . . . *CU2AF*. Missed great 10 long path opening into Europe at midnight by being on 40 . . . *WR6R/KH6*. Aloha to all the great operators on 15 . . . *KH6IMB*. I found out after the test started that JA's can't work SSB on 160M . . . *KH2D*. Didn't hear zone 33 or 34 on any band . . . *KG6DX*. Will be on low bands next year . . . *FO5IW*. Extra good cndx but again no Africans . . . *AX3SM*. The new quad came through despite gale force winds . . . *VK1RJ*. Enjoyed working the test but I had too little power . . . *KH8/SM7PKK*. K1EA's program does dupe at 180 an hour! . . . *ZL3GQ*. Unpredictable propagation path on 10M . . . *YE2ZE (Op. YB2CTW)*.

The bands were too good! Always open . . . *YB0ARA*. Thrilled to QSO so many W Novice/Technician stations . . . *CN8FC (Op. WA4UAZ)*. Pwr supply gave up thereby missing six valuable hrs at end of test . . . *5Z4BP*. I doubt whether the 10M band was ever before so populated . . . *A25/ZS6P*. Only licensed three months . . . *TL8JL*. Like every year: problems with the antenna and with the people next door . . . *EC9JI*. Nearly set off an international incident when my test exchanges overloaded a newly installed sound system at the French cultural center next door

during a performance by African musicians . . . *J52US*. Very sad that 3000 QSOs not made! . . . *A92BE*. Had to keep moving the antenna off the railing or a shipping crane would rip it off . . . *VS6WO (Op. NA9D)*. First test with 9V call—big fun to be called . . . *9V1XI (Op. JR1MOD)*. No one can hear a rare DX station who is operating barefoot with a ground plane . . . *YK1AO*. Six hrs of pwr failure, blackout in Tel Aviv, the neighbors screaming at me—after all, great fun—tnx agn CQ! . . . *4XØT (Op. 4X6TT)*. Radio gods turned 15M on and off, mostly off, all weekend . . . *T28RK (Op. K8JRK)*. One CQ was more than enough for a huge pileup every time . . . *KB6VIR/5N3*. Weird propagation . . . *ATØZ*.

My first test. Generated a huge pileup but nobody answered, then figured out I had stumbled onto 3W8DX's listening frequency! . . . *AL7JA*. 50W and some wire netted 1,300 Q's on 10M . . . *VO1MP/VP9*. First contest since '61 when I was KG1FD . . . *VP2VM*. Toughest part was scoring the North American boundaries . . . *CH2PJ. (It's easy . . . everyone in zones 1 8 plus Greenland are in N.A.—ed.)* How good was 10M? Made 269 Q's with a TS-830S and a 25 ft wire lying on the floor of my 11th story ferro-concrete apartment! . . . *VE1BHA/3*. Forty fone. What a racket! . . . *TI1W*. DXing from Grenada was a real thrill for 6 days . . . *WD8MQJ/J3*. After 5 yrs as J87CD, I'm heading home to GWØAWT for '89 . . . *J87CD*. Great to be in test again. Last serious effort was DU1GJM back about 16 yrs ago . . . *W9NSZ/KP2*. Scorpions and sand flies in the tent . . . I think we're having fun now! . . . *W1FM/KP2*.

USA QRM

After spending two weeks getting station ready, everything blew up in two hours! . . . *N3FDL*. 10 meter ant SWR went from 1.4:1 to 3.5:1 with 20 hrs to go—finished with tuner . . . *W9NNE*. 10 meters was out of this world . . . *WØRXL*. Licensed 6/88, I thoroughly enjoyed myself, my first contest effort . . . *N2IHQ*. 10 meters! . . . *K7EFB*. First contest, great fun! . . *N7JXN*. All QSOs were logged real-time by K7RI into a computer—no handwritten log was maintained . . . *K7RI*. I guess it is not too bad a score for a pregnant YL running barefoot! . . . *KB2FDO*. Best in years! Let the records roll! . . . *WØWP*. Best openings in my 30 years in ham radio! . . . *KC7DB*. Best personal effort, and last from this QTH. Next year: better location, better antennas . . . *W9XT*. Most frustrating experience: stations that take 5-10 Q's before they identify! . . . *WA2IKL*. Biggest thrill—hearing zone 40 on 10 meter phone. Biggest disappointment not working him . . . *KDØNB*. Conditions during this contest will be talked about and remembered for years! . . . *W7TJ*. Fantastic to hear 10 M so active. Sorry I had to quit for wife's birthday. Wait till next year! . . . *KF7NL*. FH5 (Mayotte) answering my CQ . . . *WB9HRO*. Finding 3W8DX calling CQ and working him. I operated for fun not score! . . . *W7TVF*.

DJ8RR opr. wanted to know what the noise was in the shack: told him my 1 and 4 year old daughters were having a war! . . . *N2KA*. First contest! Almost cried when I told T28RK and BY4AA that they were dupes . . . *N8JEC*. Good condx but not much activity from DX on 80 m . . . *KE9U*. Good opening (early) to Europe Saturday night (160 m) . . . *KD9SV*. Had neighbor back over my fence with his camper breaking my mast guys for inverted vee . . . *N7CTY*. My first big contest from the Northeast: loved the European exposure . . . *WE6G/1*. Hams work too close to band edges and splatter outside the American ham band . . . *WJ8C*. I decided to call CQ VK/ZL. Not only did I work both countries, but was answered by a P29 . . . *KDØZR*. I was amazed at what could be done with only 100W! . . . *WD9AFL*. To quote K5ZD, "There is no meters like 10 meters" . . . *K3LR (Opr K3TUP)*. IK4BAF was 50 over at 0423 the first night. Wow! . . . *KC8JH*. My first JA run . . . It won't be the last . . . watch out East Coast! . . . *W7KKR*. New 2 el 80 M Yagi . . . *KØRF*. Nodded off to sleep with my voice keyer in the repeat mode. Awoke with a start to find somebody trying to take my frequency . . . *K9SD*. Best 10M antenna was 4el at 15 feet into Europe! . . . *K3OO*. Operated a modified multi-single: 3 family members fighting each other to use a single transceiver . . . *KR7L*. Russia, Japan and China came in like next door! . . . *NYØR*. When JY1 called, I was speechless! Thanks your Majesty! . . . *WØZV*. Where do you point the beam when the whole world is coming in at once? . . . *KFØZ*.

Great QSO's with 3D2XX and YJØRY: my first contest, I'm a Novice . . . *KA1RPQ*. Been a ham 15 years and this was my first test, but not my last . . . WA4ICB. Best condx ever heard in CQ test . . . *N6AR/4*. Best condx to eastern Europe in years . . . *KV4P*. Best propagation in years . . . *W4WKQ*. Caught flu day before test . . . *AB4HQ*. CQWW is better than christmas . . . *N4JVS*. Enjoyed chat with a ZS husband and wife team! . . . *K4RV*. First big contest to enter . . . *N4QYK*. First contest attempt; linear expired at 2200Z . . . *KJ4ME*. First contest when 10 was open . . . *AA4SQ*. First contest-great way to get started on DXCC . . . *KI4QH*. First try and had fun . . . *KQ4G*. First try at contesting . . . *W4UEB*. First YB on phone . . . *W4YN*. Getting long of tooth but still enjoy CQWW albeit with tribander . . . *N4MO*. Great fun for first DX test-will definitely do it again next year . . . *KC4IAG*. Great to be back . . . *K4JYO*. Having A92BE stop his middle east pile up to see who was calling from east coast . . . *KU4V*. How about a Novice category next year? . . . *WB4OMM*. I found it hard to go to 15 and 20 with 10 so good . . . *WX4G*. I won contest for DL as DL4GX in 1959 . . . *W4HVU*. It was great working the 3W8 for a new country and zone . . . *K4GFH*. I'm getting too old for this!! . . . *K4ISV*. Lost amp and computer after 4 Q's . . . *W4WJJ*. Missed 1 meg by 6 Q's . . . *WA4CTC*. Murphy struck-pulled a muscle in my backsitting so long . . . *NQ4K*. My first contest, had a blast . . . *KB4YJG*. My first contest—lots of fun . . . *KB4SSS*.

My first entry in CQWW—had fun . . . *K4JHT*. Ran out of computer memory space Sunday morning!! . . . *K4YYL*. Rumors that verticals work without radials in Florida are groundless . . . *K1TN/4*. 10M was utterly fantastic on Sunday . . . *KJ4VG*. This was my first contest. Tks for the opportunity . . . *KB4ZOD*. Thrilled with all the new countries I worked . . . *N4NPX*. Using K1EA program makes submitting log a snap . . . *W4MAN*. What a blast on 10M . . . *WA4YLD*. Wish DXpeditions would ID more often . . . *WS4N*. Wish I was 40 agn . . . *K4SB*. A thrill to catch HSØA as last QSO and double mult . . . *WM5K*. Age is 12. This was my first contest . . . *N5MRL*. Breaking huge pileup for J52US . . . *W5HRF*. Could never work zone 6 . . . *WB5CRG*. First test and enjoyed it . . . *KA5ZBT*. First time all band—lots more work than single . . . *WF5E*. First time to enter a contest . . . *KE5GO*. First time to work Europe . . . *KB5GEO*. Got laryngitis after 12 hrs . . . *KE5BK*. Great cndx, BY 3W8 VS and many others made for great test . . . *WB5UDX*. Had a good time for my first test . . . *KG5NE*. K1EA's program is a real pro . . . *KD5GD*. Superb 10M cndx this time . . . *WA5IYX*. 10 was wall to wall from 28.3 to 28.8 incredible . . . *WE5I*. Three new ones . . . *WA5SOG*. Tried to find zone 1 but found it too late . . . *N5IQO*. 20 was outstanding . . . *W5FO*. Was 10 hot or what? . . *WB5BIR*. Activity was down on 3.7 dramatically . . . *W6RJ*. Amp blew up 15 min into test . . . *KI6ZH*. As I always say, DX is but contests are . . . *W6US*. Best propagation and K1EA computer program made this the best ever . . . *K9AGL/6*. Big thrill 14 new countries for a Novice op . . . *KB6PJU*. Breaking 3W8DX pileup and not knowing who it was . . . *N6RQE*. Calling CQ from CA with a KG6 callsign is the pits too many Ø pointers . . . *KG6AO*. Can't wait till next year . . . *N6SKF*. Cndx great. What fun . . . *W6PU*.

Doubled my previous best score . . . *WB6MBF*. First contest . . . *W6HYK*. First SSB test since getting Novice license . . . *KB6DWD*. Great fun on 10 . . . *KG6XT*. Had to QRT so XYL could operate . . . *AA4Q*. Have not heard 10 so open in 25 yrs . . . *K6JG*. Lots of fun—better every year . . . *W6FSJ*. My CQ was answered by VR6HJ a YL . . . *N6OM*. My OMS final zapped him. My MLA2500 rescued him . . . *KA6HSM*. One of the best yrs yet . . . *KB6GV*. Operated portable from a pickup camper . . . *N6EE*. QTH is a condo on busy street . . . *N6IRP*. Sure great to have 10 open again . . . *K6EID*. 10 busy all the way up to at least 28.9 . . . *N6JM*. Tuned across C3ØDSA with no takers . . . *K6ICS*. Vy poor 160 cndx . . . *K6MO*. What could be more fun than diving into 700kHZ of DX on 10M . . . *K6ZH*. Woodpecker pinned the meter on 40 . . . *WC6H (NU6S)*. Worked 52 countries with 5 W . . . *K6SIK*. Worked whole test from my mobile . . . *WY6U*. You can give me solar flux 165 and A-index 3 anytime . . . *W6HXW*. I propose a father-son contest (my son is KC1F) . . . *N1AU*. Worked 3W8DX with 30 seconds left in the test . . . *KT1O*. K1EA logging program was fantastic . . . *AK1A*. Running JA's on 10 meters and scoring over 1 mega points in our first ever DX test, what a thrill!! . . . *KB1RI*. Decided to try packet, EU runs suffered but sure helped the mults . . . *K1ZM*. Love those spots . . . *K1RX*. Sportsmanship truly prevailed world wide in the test. We had a blast . . . *K1NG*. Over 180 QSOs per hour into EU Saturday morning . . . *N2RM*. Great condx great ops great fun even for us CW types . . . *W2GD*. Hard work for just the 3 of us with such phenomenal condx . . . *N3RS*. 10 meters was WOW! . . . *K3PA*.

Worked every multiplier called . . . *K3ANS*. Two computer crashes . . . *KD3IY*. Just got out of the hospital from a heart transplant and had to jump in for some Q's . . . *WA3IJZ*. It took 2 degreed engineers 6 hours to get the TS940 hooked up to the amp . . . *W4NIM*. Worked HSØA on the first call while everyone was piled up on 3W8DX . . . *KK4OK*. Pkt network was up for the first time. Has great potential for increasing scores . . . *N3BB/5*. Really enjoyed running 100 watts against all the KW's . . . *K9MK/5*. Headphone took up smoking as a hobby . . . *WB5E*. Being called twice on 10 meters by JY1 . . . *WB6OKK*. Nice to have 10M long path open to VK/ZL again . . . *WA6IET*. Worked the contest without paper . . *NF6S*. Best condx I've heard in 29 years . . . *AJ6V*. Most countries heard in a test on 10M in 60 years . . . *W6BIP*. First test in over 10 yrs, the gang did well . . . *KO7N*. Sure nice to have 15/10 meters open to the world for a change . . . *N7RO*. Zone 23 activity great on 15 meters . . . *K7ZM*. A pure pleasure operating 10 meters again . . . *KC7V*. The

name of the game is operating. Why is this reporting so complex? . . . *KØGAS*. Ran 2 transmitters with equivalent of 1.5 operators . . . *AA4S*. My first CQWW, look forward to next year . . . *K1AR*. We beat the old M/M record but didn't win with 6 gung-ho operators . . . *K2TR*. Great fun for all! Warm weather did not help 16-8 S/N ratio . . . *K4JPD*.

For the first 16 hours everything worked including the computer. After that it was back to hand logging again . . . *K6ZM*. First Multi-Multi: pick guys that have good handwriting . . . *K7ABV*. Used K1EA software (terrific!) . . . *KM1C*. Power failure Friday afternoon had me worried, especially when generator refused to start . . . *KY1H*. First time I ever ran a Multi/Multi. Little interference and over 3000 QSOS . . . *NE3F*. Our 11 operators included 4 new contesters. Now they are hooked for life! . . . *NE9O*.

STATION OPERATORS
Multi-Operator Single Transmitter

AHØB & AHØC, AH2BN, JH3PRR, JG3HJG, WH5W. **AK1L** & KA1FBY, KA1MI, KA1X. **AL7FQ** & KL7XO, NL7NF. **AX3VT**: VK3BLI, VK3BMV, VK3CGH, VK3VT. **AY6D**: LU1ANQ, LU1DJU, LU2EU, LU3EF, LU7DW, LU7ENP, LU8EWD, LU9EQ, LW1EQB. **BY1PK**: TONG XIAO-YONG, YAN PI-DONG, SHENG YONG-JIAN, WANG GUO-XIANG, CHANG RU-NING. **BY4AA**: CHEN RONG, XU RU, ZHOU, HU, XU XIN-YUAN. **BY4SZ**: WU ZHIYUAN, ZHAO JIREN, LAI JIANHUI, ZHANG DONG, CAI YAN, JIANG SUQING, SHENG QING, WONG XIAORU. **C3ØDSA**: OH1TD, OH2NDP, OH3TY, OH4SE, OH6FT, OH6LQ, OH6MW, OH6NU, OH6RI, OH6RM, OH9OM, Juhani, Timo. **C3ØLFQ**: EA3CCI, EA3DMN, EA3CJK, EA3IN, EA3APS, EA3COW, EA3QS, EA3LB, EC3CLV. **C53FV** & C53FW. **CE4TA**: CE4BQD, CE4EBJ, CE4EBL, CE4EM, CE4ETZ, CE4EUV, CE4EVR, CE4FYE, CE4JZO, CE4KX, CE4MLN, CE4MWK. **CE5BYU**: CE5CNT, CE5CYT, CE5GOM, CE5IIH, CE5IIT, CE6EJZ, XQ5BNC, XQ5SM. **CH2FDT** & VE2AHC. **CU2ARA**: CU2BD, CU2BR, CU2AK, CU2BV, CU2CR, CU2AA, CU2AE, CU2AO, CU2AP, CU2CE, CU2AH. **DF2RG** & DL3MAA, DL5RBW, DL8RBR. **DFØAT**: DJ8CR, DL4YAO, DL9NC, DF6QV. **DFØBV**: DL6MAO, DL1MAJ. **DFØRR**: DL7AEY, DL7ALM, DL7ANR, DL7APU, DL7ON, DL7UX, DL7SI, DJØGK; DL7AEN. **DFØXZ**: DK4DW, DK4DX, DK9DL, DL1DAS. **DJ1OJ** & DL7MAE.

DJ4AX & DK4TP, DL9GS. **DJ8RR** & DJ2YA, DL4BBD. **DK6WL** & DF3CB, DL4MCF, DL4MEH. **DKØIN**: DL4FBU, DL4ZBG, DL4FBW, DA2JV, DL4DAW. **DKØRD**: DL6YAO, DL3YED, DL8YDS. **DL3NCI** & DF4RO, DK6NP. **DLØER**: DL8EAD, DL5EAE, DK7FP, DL1FFD, DF2EY, DL9EDB, DL1EDA, DL3ECW. **DLØJK**: DL3ZBA, DL8ZBR, DL9ZBS, DK1DU, DK2XX, DK6FT. **DLØTD**: DL5ZBI, DL2ZBN, DL6EAM, DK7UX. **DLØUM**: DL2SAX, DK5OZ, DL8ZAW, DK4VW. **DLØWH**: DF6IH, DF7IT. **DLØWU**: DJ8UV, DJ6SW, DL3EBX, DL4JV. **DX1A**: DU1AHS, DU1AU, DU1HK, DU1LB, DU1SAN, DU1SW, DU1UY, DU6TW. **DX1CW**: DU1CJC, DU1COP, DU1CWM, DU1CWT, DU1DZA, DU1EFS, 4F1AED, 4F1ARC, 4F1BYN, 4F1DMD, 4F3BAA. **EA1MC** & EA1AXF. **EA2XX** & EA1DMT, EA2CW, EA2AFR, EA2AIH. **EA3EHE** & EA3CCN, EA3DJL, EA3EBN, EA3EZD. **EA6WH** & EA6BZ, EA6KQ. **EA7CFW** & EA7TH. **EA8AGD**: OH8PF, OH6LK, OH6EI, OH1EH, OH1EB, OH1CN. **ED3MM**: EA3FJM, EA3FWE, EA3CAC, EA3FPR. **ED3QD**: EA3BOW, EA3BOX, EA3DGC, EA3EIO. **ED7RKC**: ED7DZI, ED7ESA, EA3GDS, ED7DZL. **F6BEE** & F6ARC, F6BBJ, F9IE.

F5ENV & FD1NFI. **F6IFR** & F6GWV, F6CWN, F6HMQ. **FF2LY**: 6W1MH, EA5EKN, FC1GM, FC1NNY, FD1JPJ, FD1CER, F6DKJ, F6DQX. **FF6KPQ**: F6ETI, F6DZD, F6IFI, F11AEH, F11HME. **FJ5AB** & K2IBW. **FKØAW** & FK1SU, FK8FI, FK8FK, FKØBG. **G3CSR**: G3XWK, G2CYB, G8GFF. **G3NAS** & G3NLY. **G4PKP** & G4CVZ. **GB75CQ**: G4ZVB, G4TLZ, G4AAO, G4OSY. **GMØIZS** & GMØFKP, GM1VZF. **HA1KZU**: Club. **HA2KMR**: Club. **HA3KGC**: HA3FT, HA3GM, HA3HV, HA3HX, HA3IB, HA3IW. **HA4KYN**: Club. **HA5KKC**: HA5KP, HA5LV, HA5NA, HA5MD, HA5MO, HA5OG, HA8UB, HA5WU. **HA6KNX**: HA6NW, HA6OD. **HA6KVB**: Club. **HA7KNT**: HA7BP, HG7FBN. **HA8KCK**: HA8DT, HA8DZ, HA8EU, HA8FT, HA8FW. **HB4FE**: HB9APJ, HB9BEY, HB9CCW, HB9PJM, HB9MPU, HB9IQC, HB9CHY. **HB9H**: HB9YC, HB9ALM, HB9AUS, HB9CAT, HB9CIP, HB9CXZ, HB9DDO, HB9DLY. **HBØ/DF1JC**: DF1JC, DL4EBE, DL6EAQ, DL8EAQ. **HD9OT**: HC1BI, HC1HC, HC1MD, HCIOT, HC1PF. **HG1S**: HA1AG, HA1AH, HA1DAC, HA1DAE, HA1SV, HA1TD, HA1TJ, Szoboszlai Szaboks.

HG5A: HA5AWH, HA5BNL, HA5GF, HA5IW, HA5LN, HA5NK, HA5ML, HA5OM, HA7RY, HA5UA, HA5WE. **HG6N**: HA5ND, HA6NF, HA6NQ, HA6NY, HA6ON, HA6OQ, HA6PX, HA6YG. **HG8Q**: HA8IE, HA8JP, HA8JV, HA8LKE, HA8PG, Partya, Attila. **HG9R**: HA9OA, HA9PP, HA9PV, HA3RP, HA9RU, HA9RX, HA9SU, HA9TA. **HGØD**: HAØBD, HAØDR, HAØHA, HAØHG, HAØHT. **HSØA**: DF6XB, G4UAV, K2BA, K3ZO. **I2EOW** & I2VXJ, IK2CFH, IK2EGL, IK2FCZ, K2VJ/I2. **IK8ERL** & I8RS, I8IGS, IK8CNT. **IR4LCK**: I4EAT, I4IKW, I4IND, I4LCK, I4LEC, I4RYC, I4TJE, I4VEQ, I4VOS, I4YRW, I4ZSQ, IK4CTR, IK4CZF, IK4EWK. **ISØAEO** & ISØCPJ, ISØWON. **IV3JWR** & IV3DXW. **J6LAH** & KC4I, KL7JAR, W4GTS, WA4CUG, WB4ZNH. **JA1ZEQ**: JG1FKF, JL2TYH, JN1VOC, JO1WSS, JP1HNH.

JA2YEF: JE2UGT, JI2QVF, JI2SDD, JI2SIC, JJ2LYF, JL2ABH, JL2SGB, JL2ULY, JM2GKN, JR2PVI. **JA3YBF**: JN1PDL, JJ2ICA, JJ3BFC, JJ3IMX, JJ3KGS, JO3DWD, JO3VDZ, JF4FUF, JF4FWT, JH9JFH, JH9PHD. **JA3YDS**: JI2KKY, JK2CVN, JM2GIX, JG3OBJ, JI3GAB, JJ3FJS, JL3JBM, JM3KGV, JE4MHL, JE4WEI, JF4LIR, JR6DOH, JH9LYC. **JA3YQD**: JP1RMA, JL3AOI, JG4DIU, JG6MYI, AKIO HCRIE, JUNKO OKA. **JA5YAP**: JL3UDU, JR5FHC. **JA5YAV**: JH5PHC, JJ2FCL/5. **JA6YAI**: JN1LLA, JE6OBL, JF6EOZ, JF6KIV, JF6UFJ, JG6OZC. **JA6YBR**: JF6CVW, JF6TMH, JG6CVD, JI6BRB, JR6GKT. **JA7YAA**: JN1VYN, JP1PVO, JJ3CNL, JHØCRW. **JA7YFJ**: JE7ENK, JE7LTP, JE7MKK, JF7AUP, JF7BJB, JF7SWJ, JR7OPP, JR7MPP, JR7MRQ, S. ABE. **JA8YBY**: JO1DFG, JE8BRO, JH8GFB, JH8PNE, JH8WBR, JR8DHA, JR8OFE. **JA9YAV**: JN3AIW, JH9EBH, JH9ETC, JH9TJT, JH9WLA, JR9BAJ, JR9FNN, JR9GXC, RIE SIBUTANI. **JA9YAK**: JS1PTU, JE7GWO, JG7JMO, JI7OED, JA9VSX, JHØELL, JHØMVU, JHØVX, JHØOPX, JHØRGJ, JHØTJU, JHØVYG, JHØXUP, JRØDVM, JRØFQM, MCTOYAMA.

JE2YRD: JE1JKL, JF2EOC, JF2VZU, JH2KTA, JI2KVW, JR2SQU, JI3JGJ. **JE3ZFS**: JG3WGB, JI3CSH, JK3HZH, JL3MCM, JO3NZW, T. NAKAE. **JH1YHS**: JF1MIA, JH1UAE, JR1TMI, B.MIZUHARA. **JT1KAA**: B.BATOR, S.CEDEN, S.DORA, J.SUHE. **JW5E**: JW5VDA, JW5WDA, JW6WGA. **K1HI** & AK1K, DL7AOW, KA1LDS, K2TE, KB4N, K8LT, NG1N, WB1BRE. **K1NG** & KB1EM, KI1G, WA1TFF, KIM. **K1RX** & KA1ION, KA1WV, KC8PE. **K1TO** & KA1CI, KA1VC, NJ2L. **K2OP** & N2HBW, NV2Z, NW2K, WA2DKJ. **K3ANS** & K3YD, KU3K. **K3IVO**: K3YDX, KA3NZR, KA4RHS, N3CBJ, N3GGP, NN3O, WB3ICL, WB6VG, WP4J. **K3PA** & K3YL. **K3RL** & packet. **K4PR**: packet. **K4VX/Ø** & K4XU, K9BGL, K9FD, KD9Q, NSØZ, NU9R. **K6SSS** & Thomas. **K6XO** & AA6T, K6KIY, N6RZ, WB6SHD. **K7ZM** & K7DSS. **K8CC** & KB8GL, K8NA, KE8OC, W8LU, W8UA, W8WD, WB8VMN, WD8RHO. **K9MK/5** & N5NLC. **KØQXY** & WB9RNF. **KØCS** & NØFVG, NØGII, W8TN. **KØGAS** & KJØG. **KA1GG** & K1KJT, N1ZE, W1KM. **KB1RI** & KZ1M, NM1Q. **KC1BG** & K1BG. **KC1EO** & KA1PA. **KC4APT** & KC4ASA, KC4FUE. **KD3IY** & N3EHD. **KD9MF** & KA9VPI. **KD9ST** & KA9SOR, KA9SQS, KA9SQT, KB9BAT.

KDØOZ & KAØUPF, NØFCD. **KE6WL** & KD6NT, WA6HAN. **KEØA** & N1ENF. **KG6LF** & N6PMW, N6PMY. **NT5D/KH6** & KN5X. **KK4OK** & KA4EZY, N7EYG. **KL7CQ** & AL7JZ, KL7KE, KL7HFQ, KL7I7C, NI7JZ, NL7LX, NL7MD, NL7MF, NL7NB, NL7NY, 3D2JS. **KO7N** & NØXX, W7IL, WA7TDZ, WJ7R, WJ7S. **KQ1F** & K1XM. **KRØU** & AE1V, K9MWM, KØYBX, KØG, KVØK, NØZA, ND0E, W1XE, WØKEA, WØLSD, WBØITG. **KS9K** & K9CJK, K9GS, N9AW, N9GNQ, NO9F, WB9OJE. **KW3Z** & KC3PJ, KC3RY, KD3JQ, N3GIL, WA3RBP. **KX3Q** & KT3Y. **KX6OI** & KX6GL, KX6HE. **KZ7T** & KA7RFD, KB7ADH, W7AGQ, W7NI. **KZØC** & KFØH. **LA1H**: LA6SCA, LA2RY, LA5NM, LA6DEA, LA6EDA. **LA2AB**: LA4DCA, LA9SEA, LA8SDA. **LU4FW**: LU1BR, LU1FJH, LU1FT, LU1FZR, LU1JRL, LU2FDT, LU2FDN, LU2FFD, LU2FID, LU2FN, LU2FYA, LU2FYU, LU4FDV, LU5FGG, LU6FEC, LU6FN, LU9FFU.

LX9BV: DL6FBL, LX1RQ, LX1WW, OE1TKW, DDØFT, DF8WS, DG1ZO, DK8FO. **LZ1A**: LZ1WJ, LZ1RF. **LZ1KVZ**: LZ1KVI, LZ1-F-1941. **LZ1KXA**: LZ1HA, LZ1AT, LZ1HK, LZ1GZ, LZ1A1554, LZ1A1220. **LZ5Z**: LZ1JY, LZ1AX, Jane, Vasco, Rum. **LZ9A**: LZ2CC, LZ2PO, LZ2HE, LZ2DF, LZ2UA, LZ2SC, LZ2CT, LZ2ES, LZ2UU, LZ2-E-72, LZ2-E-41. **N1AU** & KA1LSZ. **N1COF** & N1FGS, N1GAX. **N2BA** & K8HVT, N2AZS, N2GSG. **N2MG** & KD2RD, NO2I, NQ2D. **N2RM** & N2ME, N2MR, WM2H. **N3ARK** & K3IE, KB3MM, WB3LFZ. **N3BB/5** & K5TSQ, KB1CM, WD5N. **N3HW** & N3RW. **N3RS** & N3NA, N3RD. **N4HOH** & K4JRB, N4LQ. **N4SMB** & N4DUV. **N5JWP** & N5JDQ, N5JUB, N5KCY, N5KT, N5KXR. **N7RO** & KC7GX, W7EKM, WA7ZWG, WB7CLU. **NØCXX** & KØJM, NØBTU, NE8T. **NØXA** & ABØW, ABØX, AKØA, KØUAA, KØVBU, KBØU, KBØWT, KMØL, NØXA, NTØP, NXØI, WEØA. **NA3K** & K3JLK, K3NL, NM3W. **NF6S** & KF6VU, WX6G. **NK1I** & N1FJ. **NK7U** & N7GPO, NI7T. **NO7F** & KF7DQ. **NX7K** & DL4LBJ. **NX9T** & KA9EDD, KA9JVB, KA9TBM, KA9VIT, KA9VIV, KD9VV, N9BHQ, N9FBB, N9GTL, NQ9P.

NY6Y & AD6C, KJ6HC, N6IC, N6JVW. **OE3GEA/3** & OE3GBB, OE5VBL. **OE5XRL**: Club. **OH5NQ**: OH5XT, OH5SM, OH5KS, OH5NW, OH5TS. **OH7AB**: OH7MA, OH7RS, OH8SR. **OH8TA**: OH8DD, OH8NR, OH8NUP, OH8WM, OH6NFR. **OK1KCF**: Club. **OK1KNR** & OK1TD. **OK1KQJ**: OK1AYP, OK1DXS. **OK1KQY**: Club. **OK1KSZ**: Club. **OK1OFM**: Club. **OK1OPT**: Club. **OK1ORA/p**: OK1AYD, OK1DHP, OK1-22310. **OK2KDS**: Club. **OK2KFK**: Club. **OK2KHD**: Club. **OK2KLI**: Club. **OK2KMR** & OK2BQZ. **OK2KOD**: OK2BDI, OK2BGR, OK2BHM, OK2WAZ. **OK2KPS**: Club. **OK2KUB** & OK2BNZ. **OK2KVI**: Club. **OK2KYC** & OK2SMO. **OK2OAY/p**: Club. **OK2RAB**: Club. **OK3KGX**: Club. **OK3KSK**: OK3CPA, OK3CRY. **OK3KYH**: Club. **OK5MVT/p** & OK1DVK. **OK5W**: OK1AEZ, OK1APJ, OK1CF, OK2FD, OK1WT. **OK7MM**: Club. **ON4AMI** & OPS. **ON6AH** & ON6QR, ON6MH, ON6VL, ON7ZV, ON5IQ, ON5AV. **ON6BR** & ON4ASD, ON6JA, ON6JN, ON7XN. **ON6NL** & ON1ANK, ON4AEK, ON4AKL, ON6JZ, ON6MP, ONL620. **ON6OR**: ON4NG, ON5FF. **ON7UN** & OPS. **OY6FRA**: OY1A, OY9JD.

OZ3FYN: OZ1IZB, OZ1LLS. **PAØKHS** & PA3ADJ, PA3DOW, PA3ENJ, PAØNZH, PA3EYZ, PAØVVH, PAØERA. **PI4VNW**: PA3EOY, PA3ELV, PA3EPD, PE1ALV, PE1KDV, PE1LVI, PA3BAG, PA3DBJ, PA3DTG, PAØVHA. **PJ1W**: N4WW, NX4N, WX4Q. **PJØJ**: K4PI, KN4B, KX4R, W3BTX. **PJØK**: AA4GM, K4EIH, W3HHG, WR4S, W6SID. **RA9CVC**: Club. **RL1P**: UL7PL, UL7PAE, UL7PCZ, UL7PEZ, RL7PHN, RL8PY. **RW4LYL**: UA4LU, UA4LCH, UA4YDZ. **RZ6AYQ**: RA6AOS, UA6-101-355, UW6AB. **RZ9OWA**: UA9OFB, UA9-145-206, UA9-145-207. **SK2OG**: SM2CFG, SM2LIY, SM3RLJ. **SK5DB**: SM5CXN, SM5LRM, SM5PAS, SM5PEY, SM5DGA, SM5OOT, SM5PAV, SM5PMR, SM5GSH, SM5PAG, SM5PAX. **SK6AW**: SM6DED, SM6HCX, SM6EHY, SM6HOJ. **SK7BV**: SM7BMT, SM7MME, SM7SEA, SM7WF, SM7DO, SM7OBN. **SK7NK**: SM7AIO, SM7GXE, SM7SWD, SM7SWL. **SM5GMG** & SMØMLL, SMØNSJ. **SMØBGM** & SMØATN. **SP3KPN**: SP3GXU, SP3SFN. **SP5KVW**: SP5MXZ, SP5OAU. **SP5PBE**: SP5FKW, SP5LCT, SP5ANJ, SP5ATZ, SP5ELA, LZ1QP. **SP9KJT**: Club.

SP9PDJ/9: Club. **SP9PEY**: SP9FKQ, SP9CXX, SP9HMC. **SP9PKR**: Club. **SP9ZHR**: SP9LDE, SP9EMI, SP9-4315-KA. **TO7TSE**: F6ENL, F6IQA, FD1LMI. **UB2JWS**: Constantin, E., Vvedenskyj, K., Kurilin, E. **UB3IWA**: UB5IFZ, UB5IML, UB5-073-1151. **UB4AWW**: UB5AEM, UB5AFM, UB5-075-804. **UB4CYT**: RB5CB, UB5-080-70, RB5CW, UB5CCN. **UB4DWL**: Club. **UB4FWH**: RB5FH, UB5-070-267. **UB4IWI:] UB5-073-4328, UB5IHS, RB4ITG. UB4MWA**: UB5MDA, UB5MDD. **UB4MWU**: UB5MBM, Karpenko, N., Shemenkov, A., Boldyrev, V. **UB4QYA**: Club. **UB4TWA**: Club. **UB4TWL**: RB5TN, UB5TBS, UB5TCW. **UB4TXL:] Club. UB4VWA**: Didenko, V., Fomichenko, V. **UB4VWN**: Zhuravlyov, A., Kossov, S., Manannikov, A. **UB4WYL**: UB5-068-928, UB5-068-927. **UB4WZA**: UB5WBY, UB5-068-453, UB5WCX. **UB4WZW**: Agejev, V., Catarina, V., Shishlyk, A. **UC1AWC**: UC2AWC, UC2AFP. **UC1WWF**: Gribunov, A., Eltsov, V., Sidorenko, V.

UC1AWP: Janut, J., Beljakov, A., Wojtechovsky, A. **UF7FWM**: UF6FFH, UF6FDV, UF6AW. **UH9AWE**: Dotsenko, V., Metsaj, S., Osetirsky, I. **UH9HWB**: UH8HAI, UH8AAS, UH8ABI. **UI9BWE**: RI8BN, UI8-053-2007, UI8-053-2032. **UI9BWF**: RI8BQ, UI8-053-2053, UI8-053-2055. **UZ9OWM/UJ7K**: UA9-145-168, UA9OA, UA9OBA, Y31IO. **UL8CWW**: UL7CT, UL7CDQ, UL7-028-270, UL7-028-272, UL7-028-273. **UL8GWC**: UL7-190-061, UL7-190-052, UL7-190-053, UL7-190-51. **UL8GWW**: UL7GS, UL7-018-99, RL7GDT. **UL8LWA**: RL7LCB, UL7-026-623, UL7-026-663. **UL8LYA**: UL7LO, UL7LEG, UL7LEN, UL7LER, UL7LEZ. **UP1BYC**: Club. **UO4OXV**: UO5OQI, UO5OHK, UO5CNV. **UP1BZG**: UP2BCO, UP2BCW, UP2BOC, UP2BCT, UP2BRJ, UP2-038-439. **UP1BZO**: UP2BQN, UP2-038-346, UP2BMX, UP2BNI, UC2IDC, UP2BMQ, UP2-038-175, UP2BNC, UP2BDW, UP2BFN, UP2-038-1787, UP2NK, UP2BSP, UC2IAP, UP2BKZ.

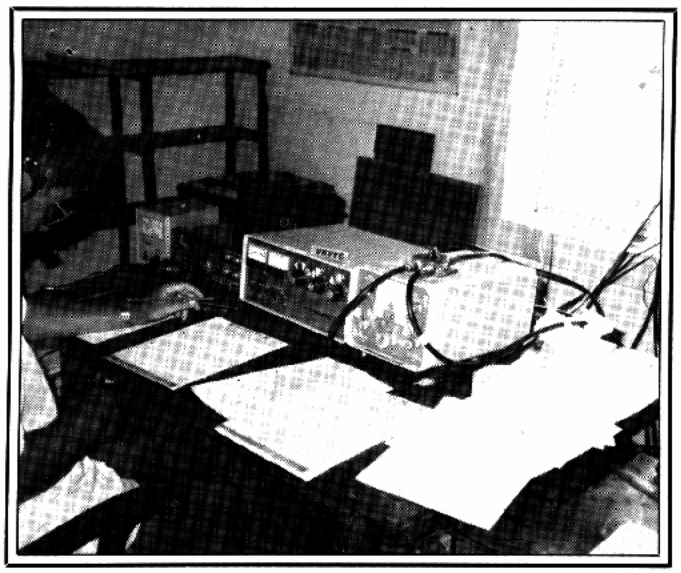
UP1BYK: UP2BFY, UP2BJV, UP2BAH, UP2BDB. **UQ1GWW**: UQ2-037-83, UQ2-037-116, UQ2GJR, UQ2GAG. **UQ1GXJ**: UQ2-037-221, UQ2-037-566, Shapochkin, V. **UQ1GXY**: Club. **UQØA**: UQ2GKL, UQ2GM, RQ2GN, UQ2GID, UQ2-037-466. **UR1RWL**: UR2RAH, UR2-083-1547, UR2-083-1548. **UR1RWQ**: UR2-083-1082, UR2-083-1081, UR2-083-1084. **UR1RWX**: UR2RRR, JR2RJ, UR2RDJ, UR2RHF, UR2RNT, UR2RNX, UR2RNA, UR2TCZ, UR2RNJ. **UR1RYA**: Sadrak, E., Liivrand, E. **UT4UXW**: UT4UZ, UT5UGR, UB5RCA, UT5-186-152. **UZ1NWO**: Nikitin, A., Nikitin, V., Merelianen, Y. **UZ1NWP**: UN1-088-643, UN1-088-592, UN1-088-598. **UZ1OWW**: UA1-113-903, UA3-113-590, UA3-113-913. **UZ1TWB**: RA1TE, UA1UM. **UZ1ZWO**: Pankratov, V., Shilewskiy, V. **UZ2FWK**: Bondarenko, E., Chislov, O. **UZ3DXS**: UA3-142-864, UA3DSY, UA3DRL. **UZ3PXJ**: UA3PIG, RA3PHQ, UA3PIN. **UZ3QWX**: UW3QW, UA3-121-61, UV3QFC. **UZ3QYA**: Rumyantsev, A., Kalashnikov, A. **UZ3VWL**: RA3VV, UW3VM, UA3VFM.

UZ3XWM: UA3XFL, UA3XCT. **UZ3YWH**: Kuznetcow, S., Gorbathew, S., Soldatencow, A. **UZ3ZYD**: Churikov, V., Kostrov, A., Slastchev, V. **UZ4AXN**: UA4AHT, UA4ADG, UA4ABS. **UZ4AXQ**: Club. **UZ4FWA**: UA4-148-360, UA4-148-363, UA4-148-481. **UZ4HWS**: Sevrukov, N., Evdokimov, E., Lozgachyov, A. **UZ4HWZ**: UA4HA, UA4HOV, UA4HAK, UA4HAE. **UZ4PWY**: UA4-094-201, UA4-094-152, UA4-094-705. **UZ4WWB**: Nekrasov, A., Gabitov, I. **UZ4WWK**: Shmykov, A., Dgorodov, O., Sokovikov, A., Zakharov, D., Labygin, D. **UZ6HXK**: UA6-108-1858, UA6-108-1867, UA6-108-1874. **UZ6LWZ**: UA6LV, UB5ITW, UB5IBG, UA6LUQ, UA6-150-1261, UB5-059-12. **UZ6LXZ**: RA6LVI, RA6LVI, UA6LRP, UV6LGP. **UZ9CWW**: UA9CPB, UA9CJK, RV9CBW, UW9CW, RV9CFA. **UZ9CXE**: UV9CP, UA9CAM, RA9CQE, Zabolotsky, V., Kiryakov, S. **UZ9CXX**: Kazpenko, V., Popov, V. **UZ9CYP**: UA9CKF, UA9-154-2105, UA9-154-2189.

UZ9FWQ: Ganeev, A., Djomin, A., Svetlakov, V. **UZ9JWJ**: UA9JAF, RA9JD, UA9JGT, RA9JAC, UA9WO/RW9J. **UZ9MWJ**: UA9MHX, UA9-146-251, UA9-146-255. **UZ9UWM**: Kisljak, S., Moskalev, S., Zhiharev. **UZ9XWH**: RA9XF, UA9XJV, UA9-90-957. **UZ9XWV**: UA9-90-1053, UA9-90-393, UA9-90-1058. **UZ9YXI**: Putincev, A., Selivanov, D., Firsov, A. **UZØCWA**: RWØCA, UWØCA, UWØCN, UWØCW, UAØCG, UAØCCD, UAØCIJ. **UZØOWA**: Yakovlew, V., Beldusov, K., Zubenko, D. **UZØQWT**: Karakata, S., Glinskij, V., Lejchak, V. **UZØSXF**: UAØSNR, Volynets, Y., Khrenikov, S. **UZØWWP**: RWØWR, UAØWO, UAØWFA. **VE1IDX** & VE1BIG, VE1BII, VE1BZO, VE1CIT, VE1DX, VE1OFR, VE1UA. **VE1ZJ** & VE1ASJ, VE1AJJ, VE1DH, VE1BOF, K2NJ, NR2H. **VE2UMS**: VE2AKZ, VE2AST, VE2AYH, VE2DMB, VE2FUR, VE2HMB, VE2HTZ, VE2ICU.

VE3HUM: VE3IOZ, VE3OOZ, VE3OYH. **VE3SPC**: VE3CTR, VE3ERT, VE3FIT, VE3INS, VE3JFD, VE3KZF, VE3MKK, VE3NBE, VE3PUA, VE3PYA, VE3PYW, VE3SBK, VE3SLL. **VE6OU/3** & VE3BVD, VE3OZB. **VE4ATC** & VE4SI. **VE5GF** & VE5AGA, VE5EUJ, VE5GHC, VE5RC. **VE6AO**: VE6AEM, VE6AMR, VE6ANL, VE6CIZ, VE6CJZ, VE6EY, VE6JO, VE6JX, VE6KC, VE6KG, VE6LES, VE6PY, VE6TZY. **VE7SZ** & VE7ON. **VS6DO** & JA2EZD, VS6UP. **VU2IIT**: VU2LOV, VU2MAQ, VU2TER. **W1AQ**: K1AGA, K1LU, KA1SFJ, KM1X, N1FZR, NI1S, NO1U, WA1VEK, WA1VPC. **W1BK** & K1TXH, N1BHI, WA1VAR. **W1OP**: K1PLX, KA1RSH, N1AKO. **W1XN** & KA1HYU. **W2GD** & K2TW, KU2C, KY2O. **W2REH** & N2GZL. **W2UI** & N3KR. **W3KWH**: K3RYA, K3TP, KA3JKS, KC3YE, KT3L, N3CQT, N3CQP, N3DHC, W3IOH, W3SVJ, WA3DKY, WA3VXJ. **W3NX** & N8NA. **W4HM** & KØVM, NBØH, WB4QKZ. **W5EHM** & AA5BT, CE3LAR, KA5WSS, KG5KI, N5LZX. **W5LTR** & AA5B. **W5WMU** & K5CA, K5LZO, KZ5D, N5GH, N5IVF, N5MEG, N5RP, WV5J. **W6GO** & JY5BA, K6HHC, K6SG, KF6A, KV6H, NV6O, WB6HAW. **W6REC** & N6TIB. **W6TMD** & AB6R, KB6RXF, KB6UF, NC6U, NN6U, NW6S. **W9AWE**: KØGFI, KA9RTV, KE9MJ, N9JF, NA9Q, NF9T, NG9R, NM9C, NT9G, WD9BLQ. **W9JZ**: K9IMM, KQ9L, N9BUS, N9CHN, N9CPW, NØDLI, NB9C, NG9V, NS9L, WB9NOV. **W9NAA**: KAØUCL, KB4IMO, KE9NO. **W9YH**: KA9YWK, KB9BKJ, KE9NA, N9HXG, NO9E.

WBØIH/9 & KØIJL, KØFVF, KMØO, NØBSH, VE3KTT. **WA3IBA** & K3TM, AK2P. **WA4QQV** & N4AOC, N4HID, N4IYX, WA4OMQ, WB4KLI, WD4MDY. **WA6AHF** & W6BSY. **WA6IET** & N6GC, N6NMH, N6VR, W2KVA. **WA6MSN** & WB6HJW. **WA7ECU** & NW7U. **WB5E** & AA5BS, AA5CX, K5HJ, KA5IPF, KA5ROJ, KA5Y, KB5ETO, KB5FDC, KD5ON, KE5BJ, N5FZR, W5JDV, WB5VPC, JEANIE. **WB5J** & K5HKX, NV5L. **WB6DKK** & WA6DBC, WK6V, **WB8K** & N8DCJ, W8CZN, W8JGJ, W8ZSD. **WBØLEY/9** & K9TOL, KA9IXT, KB9BJE, N9HPZ, WB9OWC. **WD4Z** & KE4QL. **WDØFEN** & WB9WQG. **WDØFPY** & KAØDQI, KBØKK, WØHBH. **WE5P** & W5PWG. **WG7F** & K7MYU, W6TGB, WK7Z. **WI5Z** & N5LVC. **WT7D** & KC5TG. **WX6M** & K6XV, KI6UE, KJ6JF. **XE1THR** & XE2SSM. **Y22YD** & Y24YH. **Y43K**: Y23EK, Y24UK, Y42LK, Y42MK, Y23FK. **Y49CF**:



What a great job VK9YG did from Cocos-Keeling.

Y49OF, Y49RF, Y49SF, Y49-21-F. **Y72CM**: Y72WM, Y72XM, Y72YM. **YE2Z**: YB0DFO, YB0EMJ, YB0SY. **YS0YS**: YS1CM, YS1CZ, YS1FAF, YS1MAE, YS1OD, YS1OR, YS1RRD, YS1UG, YS1ZG, YS4QI. **YT3T**: YU3BQ, YU3HF, YU3XR, YU3HP, YT3VT, YT3EW. **YT4D**: YU4AR, YU4AC, YU4RS. **YU3AI** & YU3BM, YU3MM, YU3FO. **ZF2JR**: KF6OG, N6RJ, ZF1MA, ZF1RC. **ZX0F**: PY5ALP PY5CA, PY5EG, PY5TT, PY5VM, PY5Z3A, PY5ZBU, PY0FG. **3W8DX**: HA5MY, HA5PP, HA5WA. **4N2D**: YU2FK, YU2DZ, YU2WQ, YT2AM, YT2VM. **4X3Q**: 4X1MJ, 4X4_F, 4X6GS, 4X6LG, 4X6OC, 4X6UL, 4Z4TI, 4Z4UT, 4Z4VG. **5B4ES**: 5B4VH, 5B4WM, 5B4WN, 5B4WS, 5B4XD 5B4XF, 5B4XN, 5B4YG. **W6KG/5B4** & W6OL. **5H3GW**: KJ1W, KK4CI. **8P9X**: K3KG, K3ZR, K4FJ.

STATION OPERATORS
Multi-Operator Multi-Transmitter

3D2XX: K3NA, KN3T, VK8XX, W6SZN. **8P6BBS**: 8P6SH, KH6WZ, WB6LMN. **AA4S** & NE4G, KC4YM WQ4V. **DA1WA**: DA1DS, DA2AL, DA2CT, DA2HS, DA2JL, DA2ZF. **DF0DX**: DF8AE, DJ0MAS, DK4QT DL1YAJ, DL1YAW, DL1YDI DL3YCW, DL3YDV DL4YBM. **DF3QG** & DJ1FC. **DL0OVA**: DF1BZ, DF5BM, DF6QC. **DL1VJ** & ON9CEJ **EA1DQB**: EA1DOK, EC1CLI. [IK2FYH &I2RZP, I2XIP, IK2BHX, IK2DJV, IK2GPV, IK2GSN, IK2GWH, IK2GXK, IK2ILI. **J3/W8KKF**: W8KKF, WD8ATS. **JA0ZRY**: JH0ILL, JH5XDD JP1NOM, JP1QGO, JR0BQD, JR0SXK, JR0TGT. **JA1YFG**: JI3BKF, JE7WBI, JH0NZN, JL1BLW, JO1IDL, JO1RUR, JP1JFG, JP1NWZ, JQ1BRW. JS1DLT, R. HOSOKAWA. **JA2YKA**: JE2JCV, JE2KIT, JE2VBZ, JE4LIK, JF2DQJ, JF2HPN, JF2UTL, JG2VTD, JH2QXG, JI2UHH, JI2JXR, JJ2FAU, JK1GRI, JK2CZL, JK2GYO, JL2KRD, JL2TZC, JM2FPO, JR2GMC. **JA4YJA**: JA4YPE, JE4IFM, JJ3LJU, JM3ILK, JO3GPL, JR4KTO. **JA6YCU**: JA6BXA, JE6UWK, JE6UWU, JF4QPU, JF6MND, JH6SOR, JI6DUE, JI6EDY, JJ6FXB, JJ6XZG, JR6IQI, KEI, INOUE, SUDOH, UDA. **JA7YRR**: JA1SKY, JA7CEC, JA7FDY, JA7JLD, JA7LBY, JA7MQM, JA7OZW, JF6NKV, JG7JBZ, JH7MEV. **JA9YAA**:JE4MFA, JG2VZU, JI2QKJ, JN3OCB, JR7DKJ. **JA9YBA**: JA9LNJ, JA9OTX, JA9PPC, JA9VDA, JA9-10148, JH9KIF, JH9VSF, JJ3URK, JR8GOU. **K1AR** & PACKET. **K2TR** & K2XA, KM3T, N2DU, WA2SPL, WB2KMY. **K3ZZ** & KD3IL, N3AOE, W3HXI, WA3EKL. **K4JPD** & AA4LU, K4MZW, K4XR, KD4UH, KB4HZ, KM4HG, N4UZ, W4MGX WI4R.

K4XS & KI4GM, KB4D , N4HB, W4MYA, WB4BVY, WK4Y, WU4G. **K5NA/2** & K2BQ, K2RIH, K5KG, K5MA, KA2TIP, KC2IW, KD2NE, KU2C, KY2J, N2EK, N2GQS, W2IHY, W2XL, WA2STM, WB2Q. **K6ZM** & AK6T, KI6EZ, NP4IW, WB6MZQ.**K7ABV** & K7LGV, KC7OD, N7HKU, N7KOR. **KL7GID** & AL7FI, KL7VL, NL7KE, NL7KJ.**KL7RA** & AL7CQ, AL7HC, AL7IF, KB7UP, KL7IEH, KL7KD. NL7V, WL7KB. **KL7Y** & KL7HFA, KL7U, N5AA, N6VI, N6ZZ, NL7GP W6MKB, WL7E. **KM1C** & KB1T, NK1F, W1PH. **KP2A** & AE6E, K1DG, K2WR, K6GXO, KP2N, KW8N, N2AA, N2NT, N6DX, N7BG, WB8PHI. **KY1H** & KA1RE, KB1W, KR1R, NS1M, NL0X, WA1ZAM, NJ1F, NT2X. **LBH**: LU1HE, LU1HGN, LU1HIN, LU1HLM, LU1HCN, LU1HGR, LU1HOO, LU1HPV, LU1HUC, LU2HAM, LU2HQA, LU3HAK, LU3HAZ, LU3HIN, LU3HGI, LU3HIP, LU3HIV, LU3HLN, LU5HDJ, LU5HN, LU6HCC, LU6HDV, LU6HIE, LU7HAG, LU9HIB, LU9HFL, LU9HHG, LU9HIG, LU6HIH. **LA1W**: LA2IR, LA5VFA, LA6BBA, LA7FD. **LX/DL0PE**: DL8AAE, DK8KW, DF3OE. **N2MM** & K2PS. **N2SS** & K2OWE, K2TD, K3GYS, N2VW, K2OWE, W2GSN, W2BHK, WB2R, WB2YOF.

N3LR & N3FOB, NJ3A, NJ3C. **N4RJ** & AA4GA, AA4V, K0HLB, KB4GID, KM9P, N4NX, N4OL. N4PN, N4VZ, W8ZF, W0MHS. **N4ZC** & K2SD, K4MOG, K9RX, KD4RH, KF4HK. PA3CEF, PA3DWD, WA4UNZ, WA4UUP, WD4BTF. **N5AU** & K5MR, KE5CV, KM5X, KN6M, N4GZC, N5CR, N5RZ, N5TR, W0UA, WC4E, WB5VZL, WD8IKE, WN4KKN. **N6ND** & K1ZKM, K6JYO, K6STI, K9VV, KA6SAR, KI6MS, OH1ZAA, NI6W, W6KUT, W6YA, WB6MOF. **NB1H** & K1FWE, K1ST, KG1L, KK1W, N1ATN, NI8L. NK1K, NM1D, WA1TFH. **NE3F** & K3NW, K3WGR, KS3F, W3AP. **NE9O** & KA9OIH, KA9AND, KT9M, N9AZD, N9HSG, N9RJ, W9SU, WA9VGY, WB9CEP, WB9QPN. **NF2L** & KY2T, N3RG. **OZ9EDR**: OZ1APA, OZ1AJX, OZ1AXG, OZ1BGZ, OZ1BQA, OZ1BTE, OZ1CDW, OZ1CLG, OZ1FTE, OZ1FTU, OZ1KCP, OZ1XRN, OZ4OC, OZ4QI, WG4P. **P40V**: AI6V. AI7B, K7RA, K7SS, KE7V, KQ2M, N6BT, N6IG, N6TU, N7NG. NB6G, NV7Z, VE7SZ, W4ETO, W6OAT. W7WA, W8LHL, WA6AUE, WA6DGX, WA7NIN, WJ7X. **PI4AJS**: PA3DYN, PA3ECJ. **PI4DEC**: G3YSD, PA2AWW, PA3CJF, PA3DJL, PA3DPK PA3ENO, PA3ERA. PA0BOE, PA0CZW, PA0LEG, PA0TUK, PA0WPD. **PJ1B**: K2SB, K2SS, K3EST, KB2X7, N3FD, N4BV, N7ZZ, PJ2MN, PJ9EE, W7EJ, W7ZR, WA3LRO, WA6VEF. **TX2X**: F1FLN, F2VX, F6BLP, F6EXV, FF6KAV. **UP8A**: UP2BAW, UP2NO, UP2NCG, UP2NTA, UP2PAJ. UA3132071. **VE7ZZZ** & VE5FN, VE6EZ. VE6SF, VE6WP, VE7DLM, VE7ARS, VE7AV, VE7DRS, VE7EME, VE7NNN. VE7SK, VE7SSS, VE7XYL. **W3GM** & K3LZ, K3ND, K3UEI, KA3PIT, KA3PLS, N2EA, NK3U, W3FV. **W3LPL** & F6IIR, K1DQV, KC8C, KF3P, N3GB, N8II, NW5E, W3EKT, W3EMH, W4PRO, WB2EKK, WB3JRU, WD4AXM, WD8HBB.

W8BI & AB8K, KA8OKC, N8BJQ. N9AG, W8FN, W8IIC, W8OK, WD8FOI. **WM5G** & AA5DX, K5KJ, K5SXO, KC5DX, KD5GD, KM5R, K0GY, KR0Y, KW5P, N5IWA, N5LAU, N5MAB, NA5U, NJ5N. WG5J, WD5K, WQ5W. **YT2R**: YU2DQ YU2HO, YU2LJ, YU2MM, YU2OG, YU2OH, YU2MP, YU2MY. YU2NJ, YT2FI. **YU1EXY**: YU1AO, YU1EW, YU1FW, YU1IT, YU1LA, YU1MSK, YU1PKB, YU1PQI. YU1RL, YU1WK, YU1WR. YU1ZB, YL1SCL, YL3IW, YU6ZEA, YT7AA, YT7AC, VEL, SLAVKO, VLADA. **YZ1U**: YU1FY, YU1JW, YU1OD, YU1UN, YU1UY, YU1XA, YU1WS, YU1ZZ, DJURO, SUPLR, MIRE, OLY, RODJO. **ZF2ML/8**: K3IPK, WB2P.

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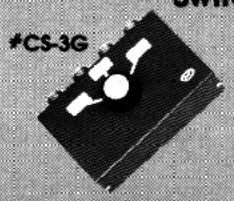

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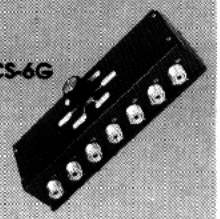

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4. WR4K	575,200	9. AA2U	366,338
5. YU2TY	533,544	10. WB5N	294,030

TEAM CONTESTING

1. Team USA: (9Y4TT by NQ4I, PJ2FR by N6KT, P40A by N1GL, HC5J by N6TJ, WC6H by NU6S) 44,580,597
2. Team Finlandia: (CT3BZ by OH2BH, ZB2X by OH2KI, YJØRY by OH1RY, 3D2VV by OH2BAZ, OHØMM by OH2MM) 41,003,746
3. Team CDXC: (VK9YG by G4JVG, GW4BLE, G3XTT, G3OZF, G4OBK) 14,956,371

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

PHONE RESULTS
SINGLE OPERATOR
NORTH AMERICA

United States

KC1F	**A**	**6,429,808**	**3552**	**146**	**470**
N6BV/1	"	**4,510,586**	**2804**	**125**	**432**
K1CC	"	**3,877,140**	**2341**	**143**	**427**
K1RU	"	3,838,800	2376	135	425
W1WEF	"	3,299,460	2212	132	376
K1VR	"	2,830,806	1887	130	392
K1YR	"	1,707,575	1517	116	293
K3FN/1	"	1,311,590	1008	115	342
K1CLN	"	1,234,320	1187	97	273
W1GIH	"	1,118,460	949	113	307
K1VDF	"	1,071,259	1233	72	229
KG1D	"	758,898	832	88	229
WE6G/1	"	606,618	742	75	213
W1BR	"	574,600	672	82	218
W1KRS	"	562,684	673	84	208
KA1HGY	"	550,560	774	68	180
W1CB	"	503,829	666	75	68
KA1DWX	"	500,532	556	89	229
K1JUL	"	404,586	583	65	182
W1AX	"	290,232	433	58	174
NC1B	"	280,704	386	77	181
W1SD	"	226,672	324	74	174
K1IR	"	203,163	297	67	174
K1SF	"	203,112	421	53	115
W1RM	"	180,310	444	40	106
N4XR/1	"	145,555	247	69	146
AD1Z	"	130,131	266	54	117
W1IHN	"	123,602	191	75	166
N1RC	"	94,707	225	45	108
N1FIO	"	92,184	234	37	101
KB1WR	"	90,903	210	50	107
K1KNQ	"	81,842	187	39	112
AI3E/1	"	80,040	191	40	105
K2MN/1	"	79,937	203	43	100
K1VKO	"	68,252	161	52	99
K1TWF	"	65,105	165	45	100
KA1IDC	"	64,638	163	40	93
AB1U	"	57,456	181	41	71
NR1P	"	51,120	150	45	75
KA1RE	"	47,304	152	36	72
N01E	"	20,554	92	26	60
W1PJL	"	13,176	83	15	39
W1FV	"	8,996	63	13	39
W1LUG	"	8,384	81	27	37
K1SA	"	5,220	49	9	27
W3WDX/1	"	1,540	20	11	17
KS1L	**28**	**955,632**	**1883**	**36**	**136**
W1BIH	"	294,640	704	37	145
WA1FCN	"	227,625	615	30	95
WB2DND	"	1,813,040	489	29	99
K1EFI	"	151,487	395	32	101
KQ1V	"	137,808	367	31	101
WA1GRX	"	114,425	346	27	88
N1DRB	"	95,760	297	27	85
KA1RLI	"	58,560	224	25	71
KA1PWG	"	24,500	122	22	48
KA1OED	"	22,116	152	17	40
KA1RPQ	"	17,052	108	18	40
N1DZJ	"	16,473	103	16	41
KA1RWX	"	16,016	111	16	36
N1FSY	"	4,138	36	19	28
KA1QDL	"	2,352	42	8	16
KA1PES	"	903	15	8	13
KB1KA	"	6	1	1	1
K1UO	**21**	**801,652**	**1651**	**38**	**126**
KB1WH	"	466,803	1208	35	118
N1ELN	"	215,619	609	30	93
W2IQL/1	"	140,774	413	29	89
K1LXJ	"	55,272	210	23	71
WA1DXD	**14**	**308,183**	**814**	**37**	**102**
W1RR	"	271,467	677	34	105
NU8V/1	"	12,155	80	18	47
NR1R	"	10,997	130	29	67
W3LPR/1	"	5,136	40	15	33
N8RA/1	**7**	**45,135**	**186**	**19**	**66**
N1ACH	**1.8**	**2,418**	**46**	**11**	**20**
N2LT	**A**	**4,003,796**	**2545**	**138**	**400**
NY2L	"	**3,065,026**	**1986**	**132**	**397**
K2DM	"	**2,984,514**	**2077**	**128**	**370**
KM2P	"	2,200,590	1616	128	362
NM2Y	"	1,664,476	1432	112	306
AB2E	"	1,383,162	1171	111	307
K2FL	"	877,734	844	102	261
KB2SE	"	804,700	864	98	227
KF2O	"	655,452	751	77	229
WA2UDT	"	644,265	724	88	221
KD2YP	"	612,556	644	98	236
K2QAR	"	572,508	718	76	203
WA2IKL	"	557,845	678	87	218
KS2M	"	524,181	579	95	232
WF2W	"	500,640	631	75	205
K2QIL	"	496,888	649	66	200
N2AIF	"	430,070	518	85	205
K2YGM	"	331,433	429	81	190
WB2K	"	331,344	395	87	225
K2BK	"	326,647	462	75	182
NQ2O	"	293,232	361	88	210
NA2Q	"	291,662	416	75	176
W2KHQ	"	252,072	404	57	159
N2WK	"	218,722	344	74	164
W2PHW	"	193,640	299	72	163
N2KA	"	167,796	253	74	163
KF2U	"	167,772	353	42	122
KT2D	"	165,996	291	64	148
KD2BW	"	142,290	301	55	131
W2TZ	"	137,020	311	41	114
W2FUI	"	131,364	257	51	127
W2PHT	"	130,822	293	43	106
WB2TPS	"	126,608	241	56	137
W2FGY	"	113,730	241	48	122
KR2J	"	113,509	220	58	129
W2SDO	"	111,888	232	52	116
K2PH	"	93,024	240	36	100
WA2VQW	"	84,672	212	49	95
W2GKZ	"	56,017	144	39	100
KC2X	"	51,681	284	66	155
AG2S	"	50,292	139	39	92
KE2DF	"	41,478	172	25	68
WA2VZQ	"	39,600	172	19	61
NA2M	"	18,407	89	30	49
N2FS	"	16,422	83	23	46
K2LS	"	8,700	56	31	44
KB2EMB	"	3,200	36	16	24
WD2AHD	"	1,960	43	15	27
K2YY	**28**	**412,380**	**941**	**36**	**122**
NA2G	"	302,872	782	30	101
K2MFY	"	247,080	597	31	111
KB2EMU	"	206,016	637	30	81
KC2KU	"	193,408	520	29	99
WB2QYH	"	142,090	377	31	99
KB2WN	"	95,824	445	25	88
W2KZE	"	80,746	275	23	71
N2UN	"	79,040	287	24	71
K2OLG	"	60,776	153	29	113
KA2YVU	"	57,873	224	28	73
N2BCF	"	51,436	236	21	56
W2QKJ	"	27,365	148	17	48
W2BN	"	22,632	100	24	58
KB2FDO	"	21,904	106	29	45
WE2T	"	16,892	138	9	32
WB2BZR	"	13,944	91	15	41
N2IHQ	"	11,172	92	17	32
WA2VYA	"	5,043	46	17	24
KA2ZKI	"	36	3	2	2
K2VV	**21**	**1,172,760**	**2224**	**38**	**142**
KU2M	"	**856,042**	**1733**	**39**	**128**
W2HFP	"	**683,388**	**1445**	**39**	**125**
NG2X	"	**647,190**	**1381**	**38**	**124**
K2WK	"	530,660	1143	35	122
WA2EKW	"	392,368	1005	36	101
KB2HZ	"	336,294	732	34	123
WA2QNW	"	223,872	588	33	95
W2HG	"	172,104	423	33	109
KB2BF	"	140,965	420	31	90
K2AW	"	122,400	314	29	97
KE2CG	"	104,994	320	30	84
WA2CYQ	"	94,939	303	30	79
WB2TKD	"	44,620	173	27	65
AC2P	"	4,972	42	16	28
WA2KFE	**14**	**79,679**	**280**	**32**	**77**
KE2DJ	"	23,925	116	18	57
WA2IFS	**7**	**50,300**	**180**	**25**	**75**
KC7KU/2	"	37,064	157	18	64
WB2ULI	**3.7**	**40,290**	**168**	**21**	**64**
WA2AOG	"	17,095	104	15	50
W2FCR	**1.8**	**5,580**	**49**	**13**	**32**
K3TUP	**A**	**6,004,583**	**3216**	**154**	**485**
					(Opr K3LR)
K5ZD/3	"	**4,434,765**	**2482**	**151**	**464**
K3QO	"	**4,303,803**	**2603**	**138**	**435**
AA1K/3	"	3,440,556	2114	141	426
W3BGN	"	3,173,476	2128	129	379
N3AD	"	3,123,252	2278	127	351
KQ3F	"	1,711,830	1380	119	311
WA8MAZ /3	"	1,634,625	1595	104	271
ND3A	"	1,619,560	1474	110	270
KZ3H	"	1,142,505	865	119	346
K3ZA	"	1,061,720	983	98	282
NM3U	"	1,028,800	958	111	289
AD3V	"	968,890	903	100	277
W3UM	"	934,914	783	112	305
NI3P	"	865,602	896	93	249
K3YGU	"	751,542	751	88	266
K3FNW	"	461,006	547	88	210
K3NZ	"	438,895	504	97	208
W3EVW	"	421,146	537	95	202
AD3Z	"	415,019	391	101	218
NO3B	"	414,606	562	72	186
KW3F	"	400,500	481	89	211
W3GU	"	391,860	535	70	182
W3OV	"	319,724	428	82	186
AA3B	"	280,692	435	63	163
W3FW	"	247,564	368	74	162
AC3T	"	238,701	353	64	187
WB3FSB	"	224,808	386	60	144
NO3X	"	206,790	390	55	128
N3II	"	165,490	312	57	133
KC3J	"	137,860	217	66	160
NK3U	"	97,310	202	54	131
WA3YOB	"	85,824	205	56	93
K3TLP	"	84,774	208	46	96
W3HVM	"	59,867	163	43	88
N6CQ/3	"	59,079	158	51	90
K3QMR	"	50,094	121	47	91
WA3EOP	"	45,820	204	23	57
N3GMG	"	37,730	151	36	74
W6AXX/3	"	30,544	131	25	58
KA3AVB	"	20,737	98	33	56
KV3U	"	11,628	62	19	49
K3IE	"	8,424	56	19	35
KC3OS	"	7,849	61	14	33
N3FDL	"	5,900	47	21	29
WA3LFY	**28**	**527,028**	**1233**	**30**	**118**
KD3JH	"	224,553	649	31	88
WA3CGE	"	95,940	258	33	97
WB3BRF	"	92,070	328	23	76
WA3DMH	"	56,727	195	28	71
KD3IW	"	17,568	109	18	43
W3KYN	"	7,844	51	13	40
WB3ICN	"	7,140	140	16	35
W3FG	"	1,925	26	5	20
N3GLK	"	1,323	23	7	14
KC3ZG	"	540	11	7	11
W3GN	"	144	6	4	4
WB3EKV	**21**	**282,846**	**688**	**32**	**109**
N3EC	"	74,970	219	32	87
WA3JLP	"	64,044	210	29	79
WA4YNP /3	"	26,772	141	23	46
W3FQE	"	168	8	4	4
W3FGS	**14**	**43,524**	**173**	**26**	**67**
W3QIR	"	12,258	80	14	40
K3ZPG	"	7,425	99	16	59
K3UA	**7**	**40,660**	**153**	**24**	**71**
K3BSY	"	33,880	148	18	59
KQ3V	**3.7**	**38,808**	**231**	**17**	**60**
K4ISV	**A**	**4,083,156**	**2420**	**162**	**432**
WX4G	"	**3,902,200**	**2509**	**143**	**402**
N6AR/4	"	**2,542,869**	**1653**	**139**	**404**
WZ4F	"	**2,497,952**	**1717**	**132**	**370**
N4TG	"	**2,108,416**	**1599**	**120**	**344**
N4UH	"	1,317,164	1119	114	298
K1ZZI/4	"	1,251,714	957	120	338
K4GFH	"	1,045,960	927	107	288
WA4CTC	"	993,168	812	118	314
N4JVS	"	775,335	724	105	276
K4EZ	"	664,335	745	89	226
KU4V	"	642,400	651	103	249
WD4KXB	"	636,404	584	109	280
KJ4VG	"	629,120	706	87	233
K4GKD	"	610,690	630	104	242
KE4BM	"	563,652	643	85	221
K4UVH	"	553,748	640	83	216
AA4VB	"	542,190	536	93	237
WA4VDE	"	522,736	632	81	215
AA4UJ	"	455,581	611	72	187
W4WKQ	"	419,380	573	76	184
KF4CI	"	406,527	508	87	204
K4PB	"	348,471	444	79	200
WS4N	"	343,619	487	72	179
KJ4FW	"	334,620	450	89	197
KK4RV	"	314,138	428	86	176
W4TMN	"	282,211	421	66	175
WB4FTI	"	239,680	389	67	157
KJ4TI	"	237,272	334	82	184
N4QYK	"	230,888	373	78	139
WZ4Z	"	219,480	337	75	161
K5OTI/4	"	175,380	258	73	164
KJ4YF	"	174,000	307	52	148
N3JT/4	"	166,692	500	28	88
KB4PME	"	165,945	309	59	136
N4OQP	"	164,891	308	54	127
K1TN/4	"	153,415	232	74	180
NQ4K	"	139,594	279	51	131
N4TL	"	128,296	230	69	134
W4UEB	"	121,800	254	56	118
W4LMJ	"	121,329	237	59	124
WA4YLD	"	117,975	214	64	131
K4JHT	"	115,360	253	55	105
K4ODL	"	113,696	190	66	143
WK4F	"	108,980	222	50	120
W4OO	"	105,060	229	51	119
K4FPF	"	101,916	239	44	105
N4OTI	"	90,616	170	60	128
KK3Q/4	"	86,275	214	48	97
W4KMS	"	81,909	186	51	120
WA4WTG	"	80,784	206	41	103
K4UTE	"	79,566	184	52	97
AA4SQ	"	71,980	214	33	85
AB4HQ	"	66,442	170	49	90
KQ4G	"	62,495	150	51	94
W4OTX	"	60,241	200	33	74
N4TO	"	53,048	123	47	105
W4MAN	"	47,128	128	49	88
W4HVU	"	45,114	112	51	95
W4OWJ	"	43,000	153	29	71
N4PKL	"	39,446	144	41	80
WD4BHM	"	23,520	119	20	50
KJ4ME	"	18,602	94	26	45
WB4HNM	"	18,245	76	30	59
N4RYO	"	16,016	78	27	50
KA7LKV /4	"	10,935	62	30	51
WA4VAP	"	8,550	57	22	35
WF2G/4	"	7,192	49	22	36
K4KUZ	"	5,346	36	21	33
W4UYC	"	4,950	38	18	32
W3FTG/4	"	3,496	31	18	28
W4KSV	"	3,080	43	12	32
K4XS	**28**	**955,344**	**2048**	**35**	**121**
N4EJV	"	**653,499**	**1474**	**35**	**126**
K4SB	"	496,074	991	38	136
WA4VCC	"	447,048	904	36	132
K4YYL	"	378,270	940	32	103
WA4SWY	"	333,060	817	32	108
WB4MAI	"	247,281	610	35	104
K4MF	"	200,954	531	27	104
KC2KU/4	"	193,408	520	29	99
WA4LBJ	"	185,909	467	31	106
N4MM	"	144,248	344	32	114
KC4IAG	"	85,840	261	30	86
WB4OMM	"	63,341	238	26	71
KD1U/4	"	60,630	246	23	53
WB4VQO	"	54,417	192	26	71
N4NPX	"	54,266	224	23	63
WA4IOB	"	51,508	225	25	54
K4PHE	"	48,735	186	27	68
W4WJJ	"	43,470	168	24	66
KB4VIR	"	41,832	191	21	62
KB4YJG	"	33,540	154	21	57
KB4SSS	"	30,603	108	27	74
KI4QH	"	28,835	146	21	52
W4QQN	"	27,832	140	27	71
KB4IOS	"	24,780	129	21	49
KB4ZOD	"	14,382	102	14	37
K3RV/4	**21**	**1,270,478**	**2298**	**39**	**148**
K4LTA	"	262,542	657	34	107
K4JYO	"	187,920	444	37	108
KC4GR	"	43,758	150	31	71
W4YN	"	17,040	90	19	52
KY4P	**14**	**528,080**	**1222**	**39**	**122**
N4MO	"	**358,668**	**781**	**37**	**125**
W1UA/4	"	231,028	600	37	111
NO5F/4	"	1,824	22	13	19
W4OWY	**7**	**38,950**	**149**	**25**	**70**
W4WIJ	"	14,384	93	15	43
K4HJJ	**3.7**	**48,327**	**213**	**20**	**69**
W6OKX/4	"	3,404	36	9	28
KG4W	**1.8**	**10,505**	**105**	**15**	**40**
WB3GCG/4	"	**5,332**	**51**	**13**	**30**
NR5M	**A**	**3,480,542**	**2357**	**136**	**373**
KI3L/5	"	**1,574,100**	**1462**	**120**	**276**
K5DX	"	**1,538,784**	**1277**	**119**	**313**
K5NW	"	1,336,572	1146	116	295
KA5W	"	1,330,182	1245	100	278
NI5M	"	1,189,160	971	120	314
WF5E	"	1,121,200	1048	119	281
K5FUV	"	1,100,176	930	121	297
KC5TA	"	667,764	723	96	228
N5AW	"	484,431	514	109	230
N5JKN	"	462,582	592	83	196
W5MW	"	393,120	515	88	185
WB5BIR	"	256,856	500	54	140
WA5IYX	"	239,212	532	44	114
N5IET	"	232,128	432	63	129
WA5WMC	"	214,038	357	61	146
AA5BE	"	200,477	333	70	153
K5DB	"	171,865	320	56	129
WA5JDU	"	168,224	280	74	150
WA5VBE	"	121,344	237	72	120
WK5K	"	114,842	223	67	115
AA5CV	"	106,863	226	70	109
KE5BK	"	102,950	252	44	101
W5AE	"	101,426	216	56	110
N5HB	"	91,105	236	45	88
KA5ZBT	"	89,920	204	60	100
K5TA	"	54,758	156	45	86
W5EIJ	"	48,133	146	42	85
W5HRF	"	40,141	108	51	86
W5UXR	"	31,860	109	41	67
KD5GD	"	31,714	116	33	68
W5BE	"	30,647	104	47	62
AA5AA	"	26,936	123	36	55
WD5KEM	"	11,454	60	23	46
WM5K	**28**	**438,999**	**943**	**36**	**123**
WB5CRG	"	**275,880**	**638**	**35**	**117**
WE5I	"	256,635	655	34	101
K5KLA	"	187,506	647	27	72
N5IMO	"	175,856	513	28	88
AA5FE	"	54,324	188	27	81
KA5DAN	"	41,038	208	25	46
KE5IW	"	20,956	115	22	40
KE5GD	"	17,710	128	16	39
N5KUC	"	15,730	100	16	39
KG5NE	"	7,480	75	15	29
N5MRL	"	5,734	49	19	28
KB5GEC	"	5,712	56	15	27
KE5SK	"	840	15	6	14
WB5UDX	**21**	**301,537**	**745**	**35**	**102**
NA4M	"	107,916	425	30	72
WA5SOG	"	99,590	313	31	84
N5IQO	"	32,944	165	27	44
W5FO	**14**	**266,240**	**626**	**38**	**122**
WK5Z	"	35,820	144	27	63
K5RR	**7**	**177,280**	**477**	**32**	**96**
					(Opr WD5K)
K5UC	"	26,828	124	21	55
N5KDA	"	17,556	98	19	47
K5UR	**1.8**	**16,368**	**142**	**20**	**46**
K6NA	**A**	**3,642,240**	**2331**	**162**	**380**
N6AW	"	**2,112,565**	**1597**	**127**	**328**
WC6H	"	**2,086,236**	**1735**	**130**	**293**
					(Opr NU6S)
KM6B	"	**1,804,729**	**1431**	**136**	**303**
K6HNZ	"	1,680,984	1341	146	298
K6TMB	"	1,128,375	1093	122	253
K6EID	"	1,101,744	1139	105	231
W6FSJ	"	783,328	752	119	245
N6MB	"	760,848	736	122	241
N6GG	"	641,654	607	117	260
W6UJX	"	520,812	606	99	207
KB6GV	"	445,424	561	99	188
W6YA	"	397,621	453	85	216
N6AV	"	371,496	466	81	195
W6ISQ	"	371,147	514	75	184
WW6O	"	340,120	549	75	145
W7CB/6	"	309,759	463	88	149
K6DR	"	306,666	456	86	157
N6SKF	"	292,857	362	63	138
KG6AO	"	281,736	420	91	161

N3EK	"	250,432	431	79	129
WA6UFY	"	248,850	431	78	147
K6JG	"	233,356	319	90	167
N6JM	"	207,668	380	66	127
W6MFC	"	201,000	358	64	137
N6OU	"	175,974	310	89	122
K6ZH	"	173,196	315	71	133
K9AGL/6	"	155,750	327	58	117
W6OVO	"	150,696	208	63	119
W6BZE	"	137,685	250	70	131
W6ERS	"	129,444	231	72	129
WV6N	"	128,100	240	60	123
W6US	"	125,214	196	91	155
WB6NFO	"	98,258	245	51	95
N6SYP	"	97,300	256	44	96
K6TQ	"	92,800	204	50	110
N6IBP	"	84,168	259	60	107
WA8LLY/6	"	83,520	190	57	103
K6SG	"	66,120	198	47	69
K6ICS	"	63,700	172	53	87
N6OM	"	63,648	156	50	94
W6CUL	"	62,868	164	61	95
WB6ITM	"	53,868	153	55	79
AA6EE	"	52,272	152	53	79
N6VR	"	42,959	120	57	76
N6L_	"	42,834	137	45	73
WA6CTA	"	39,039	153	28	63
WY6U	"	28,800	145	27	45
N6SRT	"	24,854	174	36	50
NK6A	"	17,316	82	22	52
KI6PG	"	11,466	66	28	35
KJ6DI	"	7,448	52	16	33
N6NF	"	1,586	21	12	14
W6PU	**28**	**492,354**	**1113**	**36**	**117**
VE2AQS/ W6	"	**409,965**	**992**	**35**	**116**
N6EE	"	321,030	802	34	111
K6YRA	"	317,297	691	35	122
WA6FGV	"	294,255	927	31	86
W6LQF	"	220,375	613	30	95
WB6M3F	"	209,874	550	32	101
K6SIK	"	200,508	440	36	118
N6RDE	"	166,425	541	32	73
WZ6Z	"	137,471	346	34	105
KE6CE	"	125,543	387	32	81
KB6PJU	"	116,184	407	27	76
AI6Z	"	106,671	337	27	84
W6HXW	"	98,000	249	36	104
K6JH	"	94,017	301	28	83
KA6HSM	"	80,367	319	26	63
K6DMN	"	73,564	243	29	77
K6JGV	"	68,440	199	36	82
WA6YOO	"	47,742	158	29	80
NN6R	"	29,502	153	23	43
W6HYK	"	20,940	122	18	42
N6RER	"	20,332	106	21	47
K6KM	"	13,802	75	21	46
KG6XT	"	9,450	72	19	31
WA6TKT	"	6,930	54	18	27
KB6JWD	"	2,574	35	11	15
AA4Q	"	1,846	24	9	17
WA6FIT	**21**	**95,370**	**300**	**31**	**79**
W6PM	"	**94,587**	**262**	**36**	**87**
W6ESJ	"	67,221	237	31	66
N6HK	"	43,076	166	25	64
W6QHS	**14**	**378,005**	**762**	**39**	**134**
K6LRN	"	89,052	252	36	87
W6OK	"	46,512	159	33	69
NF6L	**7**	**39,804**	**154**	**30**	**63**
K5KT/6	"	**34,228**	**142**	**25**	**61**
K6HMA	"	5,160	49	15	25
W6RJ	**3.7**	**83,136**	**396**	**30**	**66**
K6MO	1.8	143	9	6	5
NN7L	**A**	**2,450,694**	**1875**	**146**	**320**
N7TT	"	**1,791,061**	**1413**	**135**	**314**
WE7B	"	**986,380**	**1183**	**96**	**202**
N7JXN	"	939,392	1015	110	218
K7IDX	"	619,146	691	100	218
K7DZ	"	603,277	609	107	246
KC7UO	"	546,150	573	108	223
W7CF	"	507,795	521	109	240
W7KKR	"	462,861	591	85	194
WG7A	"	447,515	538	88	207
W7XN	"	410,565	530	79	192
KM7E	"	375,972	666	74	130
N7CTY	"	336,448	529	80	144
KA7MCX	"	308,234	476	76	153
W7HS	"	304,656	411	87	177
KC7UP	"	284,791	414	79	168
KC7DB	"	268,226	399	73	165
W7LIT	"	258,070	451	65	132
K7NW	"	251,258	332	88	186
NN7I	"	236,512	539	50	102
N7KZN	"	207,570	400	67	120
W7GUR	"	205,200	307	83	157
NB7N	"	184,790	373	56	114
K7RIE	"	138,416	306	58	106
W7AWA	"	134,275	273	67	138
WN7J	"	133,989	258	68	109
WA6DIE/7	"	133,210	275	65	108
W7QN	"	129,360	257	58	118
W7MB	"	116,104	223	70	114
W7EYE	"	114,048	223	44	132
KA7TGE	"	109,516	287	43	88
W6WBY/7	"	100,164	194	72	132
KA7NOC	"	97,680	229	54	94
W7ZI	"	94,736	175	67	124
WB7NRC	"	85,115	219	55	90
KC7CF	"	82,600	205	45	95
KI7RR/7	"	80,008	229	52	85
KA7YFY	"	72,704	194	42	86
WA7BAY	"	62,776	185	43	75
K7DS	"	49,476	156	38	76
W7NP	"	47,268	141	40	77
W7TVL	"	46,662	160	37	64
W6ALQ/7	"	46,400	182	31	69
KX7J	"	44,250	134	41	77
NK7V	"	41,022	135	45	61
KR7L	"	40,788	143	32	67
KB7M	"	35,208	108	39	69
K7EFB	"	30,690	96	38	72
N7IAM	"	27,058	118	30	53
N7HZG	"	25,418	122	29	42
KB7WD	"	22,134	86	35	58
W7VIH	"	19,425	98	33	42
N7AKQ	"	13,608	68	42	42
KC7MM	"	7,540	57	21	44
N7OT	"	4,900	35	21	29
WE7E	"	4,095	37	22	23
WA7IIM	"	3,915	42	13	32
WB7CLU	"	3,403	31	13	28
WC7S	"	2,378	28	10	19
K7RI	**28**	**973,947**	**1954**	**37**	**132**
K7QO	"	**727,360**	**1624**	**38**	**122**
W7TJ	"	333,987	701	37	126
N7HJJ	"	249,093	809	31	86
N7RT	"	201,887	458	35	116
W7ER	"	182,322	386	36	90
			(Opr W7LVI)		
KA7T	"	153,972	435	33	93
N7GTE	"	131,456	443	28	76
KQ7I	"	128,507	421	32	75
W7LGG	"	126,500	351	32	93
W7AYY	"	116,028	411	28	71
W7MCU	"	110,396	267	37	106
W7ISX	"	104,016	406	32	56
W7BQG	"	9,516	85	12	27
W7EKM	"	6,624	50	34	14
KB7CYD	"	5,120	51	15	25
N7KOV	"	1,215	19	10	17
KF7NL	"	901	21	9	8
K7LXC	**21**	**529,090**	**1180**	**37**	**120**
NG7P	"	324,356	883	29	102
W7FP	"	321,752	784	35	113
K7LZJ	"	233,928	712	32	82
NW7Q	"	198,037	527	36	97
W7TVF	"	73,248	229	29	80
KE7RT	"	18,414	157	20	34
WA7GVM	**14**	**241,600**	**571**	**37**	**114**
KE7C	"	154,497	373	39	108
			(Opr WB7OLV)		
W7IVX	**3.7**	**65,250**	**268**	**30**	**60**
KC7EM	"	25,674	223	21	45
K8MR	**A**	**2,583,048**	**1841**	**120**	**367**
N8ET	"	**1,603,943**	**1206**	**129**	**344**
KD8B	"	**1,095,540**	**1065**	**102**	**270**
WB8VPA	"	760,914	724	106	272
WA8BIN	"	716,862	795	92	222
N8ESB	"	546,255	626	94	211
K8BSW	"	535,684	610	90	224
NC8V	"	415,532	591	69	175
W8JPH	"	385,841	559	69	172
K8TMK	"	336,020	443	75	190
WD8BAD	"	313,326	355	100	209
NR8Z	"	249,747	375	80	169
KF8K	"	243,951	363	64	169
KI8W	"	167,544	332	54	125
N8BC	"	146,931	260	57	144
WA8YTM	"	132,296	248	57	127
NO8Y	"	123,525	228	55	128
W8UZC	"	119,310	231	70	124
KD8JN	"	114,912	277	40	104
WB3KKX /8	"	106,295	212	59	120
N8AGU	"	104,315	236	45	110
KE8RA	"	100,602	233	50	112
NS8O	"	96,384	205	52	124
K8DD	"	94,666	232	43	100
KB8TT	"	67,950	160	50	101
W8YGR	"	56,640	128	59	101
K8KUH	"	45,501	186	23	64
W8LNK	"	42,920	131	34	82
K8RSH	"	41,400	160	33	59
N8DXL	"	35,595	170	41	72
WE8H	"	34,077	113	36	75
NU8U	"	6,604	52	22	30
K3ZJ/8	**28**	**1,026,684**	**2069**	**36**	**135**
K8MJZ	"	492,822	1279	34	97
KP4AKB/8	"	405,912	888	36	120
N8FEH	"	205,326	580	27	95
WG8M	"	164,472	433	28	104
K8IKE	"	162,265	519	29	86
N8IYU	"	71,345	268	24	71
NM8K	"	60,517	281	20	53
KA8WAS	"	57,780	187	27	81
KE8NH	"	46,624	175	25	69
W8IQ	"	27,716	121	23	59
KA8VPL	"	14,840	129	15	25
N8JHG	"	9,180	81	16	35
N8IXT	"	4,284	49	14	22
N8FWY	"	920	18	7	13
N8JEC	**21**	**325,416**	**757**	**35**	**114**
WB8ZQW	"	71,060	251	24	71
N8EXS	"	29,241	183	19	38
W8TWA	**14**	**326,838**	**812**	**35**	**106**
NJ8V	"	13,244	114	24	19
WJ8C	"	1,976	20	20	18
WOCO/8	**3.7**	**62,205**	**298**	**19**	**68**
			(Opr W8UVZ)		
KC8JH	"	17,355	110	16	49
W9RE	**A**	**4,416,000**	**2655**	**145**	**430**
K9CAN	"	**1,192,225**	**902**	**126**	**337**
K9SH	"	**1,149,567**	**1014**	**119**	**292**
K9SD	"	1,083,575	867	129	315
W9OP	"	1,027,796	1087	101	223
KB0C/9	"	857,172	829	111	255
W9NNE	"	832,048	686	121	316
NE9U	"	761,488	754	105	259
WA9NPM	"	694,706	747	231	95
W9GXR	"	630,042	751	86	208
NC9L	"	622,468	708	86	222
K9CEW	"	449,634	575	79	195
KA9JOL	"	413,757	537	84	195
WB9SBO	"	388,410	470	99	231
WD9GIG	"	361,380	445	85	200
KE9I	"	345,072	609	66	142
W9NA	"	334,544	542	66	166
K9OSH	"	318,136	471	82	165
KA9YMV	"	253,764	407	73	155
WD9CIR	"	225,720	64	156	
N9HDE	"	218,295	405	63	125
KE9HJ	"	212,798	372	66	140
K9EC	"	189,678	325	62	140
K9UQN	"	137,400	318	49	101
W9CA	"	113,208	261	50	109
WD9AF_	"	103,684	226	50	111
KB9LC	"	100,359	227	57	120
KG9E	"	88,074	175	65	124
WB9HRO	"	78,122	209	43	91
KA9IMX	"	75,894	203	54	85
W9HE	"	67,800	196	36	84
KD9HT	"	36,570	122	35	80
KC9FS	"	36,531	129	27	72
K9OWC	"	31,625	112	36	79
WD9DYR	"	26,215	94	42	65
WA9ZSO	"	23,763	101	33	58
WB9O	"	22,145	77	38	65
AJ9C	"	19,829	88	26	53
K9IEK	"	19,522	84	29	57
KE9LY	"	16,900	100	19	46
KB9PY	"	13,580	68	29	41
N9AKE	"	10,400	52	31	49
N9RD	**28**	**622,644**	**1344**	**36**	**123**
W9XT	"	603,891	1399	34	119
AG9S	"	601,062	1328	34	120
K9MDO	"	309,591	863	29	94
W9NB	"	278,564	672	32	111
K9RN	"	149,433	420	29	97
N9GIV	"	73,427	258	25	76
N9HSP	"	57,960	233	23	67
KA9JAC	"	40,089	168	24	59
KF9H	"	11,934	81	20	34
W9REC	"	2,952	32	13	23
N9QX	"	1,590	18	12	18
KU9E	"	924	17	7	15
W9RN	**21**	**473,280**	**1045**	**36**	**124**
KD9SH	"	51,580	210	59	26
WB9CXY	"	48,332	196	26	60
KB9OD	"	8,260	53	23	36
WC9R	"	5,133	59	7	22
N4CC/9	**14**	**459,550**	**1002**	**38**	**137**
K9CLO	"	127,675	399	33	85
W8UD	"	108,872	308	34	90
K9YNF	"	102,960	298	34	86
K9AB	"	69,542	220	32	77
W9BAH	"	180	6	6	6
W9DUB	**7**	**66,040**	**227**	**26**	**78**
W9CH	"	**50,796**	**180**	**29**	**73**
KA9TNZ	"	38,916	151	25	69
KK9A	"	18,850	102	18	47
KE9U	**3.7**	**19,637**	**105**	**19**	**54**
KF9G	"	13,230	89	15	48
KD9SV	**1.8**	**4,218**	**64**	**12**	**25**
KJ9I	"	**2,700**	**40**	**10**	**20**
N2IC/Ø	**A**	**3,656,100**	**2400**	**146**	**379**
KØRF	"	**3,637,390**	**2410**	**148**	**382**
NØAT	"	**1,698,052**	**1365**	**123**	**316**
WØJLC	"	1,299,540	945	139	345
WBØO	"	1,222,947	1220	103	260
KVØI	"	901,984	1138	81	203
WØGOQ	"	546,877	717	78	191
WØRXL	"	529,788	597	92	226
NZØR	"	428,383	549	64	189
WØWP	"	394,134	803	54	132
NI0G	"	344,071	488	80	167
NCØO	"	331,568	421	79	193
WAØOUI	"	288,363	455	64	163
NSØB	"	281,988	407	75	177
WBØCHS	"	261,201	385	89	160
WØIZV	"	221,952	397	63	129
KØBJ	"	220,605	336	76	155
KØTLM	"	215,673	376	58	143
KSØT	"	200,846	320	75	158
NBØII	"	191,580	341	71	135
WBØEL	"	185,771	344	59	138
WØPPF	"	165,396	330	54	125
NNØM	"	137,217	304	48	111
WØNGB	"	116,034	248	54	112
KUØA	"	104,319	220	53	120
WØBWJ	"	85,491	192	55	106
NYØR	"	83,312	211	43	93
WR8ZRI /Ø	"	77,515	159	69	116
KØGT	"	73,788	154	67	105
KDØNR	"	63,945	219	41	64
KFØZ	"	63,360	168	41	91
WØWUU	"	44,451	159	32	67
ABØG	"	42,294	131	37	77
WØRT	"	32,508	130	20	64
WGØO	"	26,376	98	29	55
WDØGVH	"	11,844	69	25	38
WAØDCB	"	7,448	54	18	31
WØZV	**28**	**1,145,368**	**2158**	**39**	**142**
KVØQ	"	643,850	1407	34	124
WDØF	"	441,980	642	69	176
KEØOL	"	354,654	794	35	118
KJØB	"	164,535	534	27	78
W9RXJ/Ø	"	103,077	309	33	84
WBØZKG	"	67,932	232	27	81
NYØV	"	53,856	199	24	72
WBØGFV	"	46,080	168	28	68
WØACT	"	25,944	145	22	47
KAØYZH	"	25,192	150	21	46
WBØYWO	"	16,060	100	18	37
WDØBWM	"	9,006	58	17	40
KDØZR	**21**	**202,788**	**552**	**33**	**98**
WBØISW	"	161,126	487	32	87
KOØD	"	74,787	270	28	69
WBØB	14	1,456	25	14	14
WØGOR	**7**	**22,168**	**118**	**19**	**49**
ACØS	**3.7**	**6,486**	**62**	**14**	**32**

Alaska

AL7KB	**A**	**307,134**	**898**	**60**	**91**
NL7HT	**28**	**34,884**	**286**	**22**	**29**
AL7JA	**14**	**209,078**	**816**	**33**	**74**

Anguilla

VP2ET	**28**	**2,423,880**	**5137**	**37**	**143**
			(Opr K5RX)		

Barbados

8P6DD	**28**	**135,651**	**533**	**24**	**79**
			(Opr W4WET)		

Bermuda

DK5EZ /VP9	**A**	**3,185,678**	**3034**	**108**	**314**
KD2HE /VP9	"	412,060	523	58	162
VO1MP /VP9	**28**	**385,515**	**1331**	**26**	**91**

British Virgin Islands

VP2VM	**7**	**37,232**	**318**	**17**	**35**

Canada

VO1AW	**A**	**95,151**	**229**	**55**	**106**
VO1SA	**21**	**1,650,176**	**3169**	**39**	**137**
VE1TI	"	120,990	392	24	87
VE1ZZ	**1.8**	**23,188**	**134**	**15**	**53**
CH2PJ	**A**	**2,143,375**	**2389**	**89**	**236**
VE2AYU	"	1,147,680	1171	96	264
VE2XY	"	604,950	1156	65	153
VE2DYX	"	448,168	793	67	145
VE2FTU	"	32,542	115	37	69
VE2ANE	**28**	**73,108**	**255**	**27**	**71**
VE2EW	**21**	**63,438**	**229**	**25**	**72**
VE2ZP	**14**	**1,254,282**	**2573**	**39**	**144**
VE2RL	3.7	23,240	268	11	29
VB3XN	**A**	**5,373,693**	**3881**	**131**	**376**
VE3JGC	"	951,465	878	113	298
VE3BXY	"	227,164	330	77	189
VE3NYT	"	85,058	214	47	95
VE3NTW	**28**	**534,996**	**1244**	**33**	**121**
VE3FWQ	"	373,395	873	32	123
VE1BHA/3	"	71,708	269	21	70
VE3LYV	"	19,504	150	18	35
VE3MVV	"	15,272	69	25	58
VE3HX/M	"	13,623	89	17	40
VE3NEL	"	9,894	77	15	36
VE3PYA	"	2,925	55	11	14
VE3CH7	21	37,367	183	22	57
VE3CPA	**14**	**909,658**	**2290**	**38**	**119**
VE3PN	**1.8**	**22,008**	**403**	**10**	**18**
VE3DO	"	20,091	284	12	25
VE3DEO	"	576	54	3	3
VE4IM	**A**	**671,265**	**838**	**100**	**215**
VE4RP	"	303,269	741	60	113
VE4NU	**28**	**96,129**	**358**	**28**	**71**
VE4DQ	"	92,664	370	26	73
VE5FX	**A**	**646,272**	**867**	**90**	**198**
VE5DX	**28**	**1,340,184**	**3509**	**35**	**117**
VE6DZ	**A**	**406,658**	**740**	**72**	**145**
VE6AGV	"	39,198	147	40	57
VE6RI	"	19,173	90	29	48
VE6WQ	**21**	**1,169,968**	**2623**	**37**	**129**
VE7QO	**A**	**605,395**	**982**	**92**	**153**
VE7XO	"	225,720	433	57	123
VE7WJ	"	202,872	420	77	137
VE7HDX	"	115,639	229	71	126
VE7CXN	"	108,138	305	50	84
VE7AIO	"	47,616	196	36	60
VE7ELC	"	31,262	113	41	57
VE7CA	"	27,795	94	43	66
VE7YD	28	3,045	61	11	10
VE7EIK	**21**	**804,531**	**2022**	**36**	**111**
VE7BW	"	430,440	1299	30	90
			(Opr VE7CXR)		
VE7ABC	"	185,907	761	28	65

Cayman Islands

ZF2JI	**A**	**1,498,644**	**2566**	**81**	**185**
			(Opr K4IIF)		

Costa Rica

TI1W	**7**	**534,797**	**1800**	**30**	**97**
			(Opr TI2KD)		
TE1L	**3.7**	**198,336**	**974**	**25**	**71**
			(Opr TI2LTA)		

Dominican Republic

HI3JH	**A**	**4,874,383**	**3972**	**128**	**359**
HI8LC	**21**	**90,688**	**362**	**30**	**74**

El Salvador

YS1GMV	**A**	**2,308,608**	**2783**	**91**	**243**

Greenland

OX3SG	**A**	**239,120**	**346**	**78**	**167**

Grenada

K8CV/J3	**A**	**661,232**	**1385**	**65**	**143**
WD8MQJ /J3	**28**	**226,440**	**1297**	**21**	**47**

Guantanamo Bay

KG4JO	**A**	**437,766**	**1357**	**49**	**98**

Guatemala

DJ6QT /TG9	**A**	**4,377,500**	**4391**	**124**	**301**

Honduras

JA8UQY /HR3	**A**	**69,550**	**385**	**21**	**44**
JA6WFM /HR2	**28**	**773,140**	**2498**	**30**	**94**

Jamaica

K2BPP /6Y5	**A**	**1,394,952**	**3044**	**69**	**135**

Martinique

FM5DN	**28**	**1,637,272**	**3561**	**36**	**137**
FM5CY	"	292,446	876	30	96
FM4A	**7**	**467,148**	**1461**	**28**	**104**

Mexico

XE1DH	**A**	**3,135,915**	**3013**	**125**	**310**
			(Opr DH1NW)		
XE1IPO	"	53,064	384	31	35
XE2GAT	"	44,978	242	36	50
			(Opr K5OJ)		
XE2KHG	**28**	**39,276**	**512**	**16**	**20**

Montserrat

VP2MEU	**28**	**1,048,386**	**2998**	**33**	**105**
			(Opr K8UE)		
VP2MBK	**21**	**404,430**	**1284**	**30**	**92**
			(Opr N8MK)		

Panama

HP8AHF	A	35,834	190	33	49
HP1AWX	"	6,300	35	30	33

Puerto Rico

NP4CC	**28**	**1,319,778**	**3458**	**36**	**117**
KP4PR	21	20,100	108	20	47

St. Maarten

PJ1VV	A	89,424	228	56	106
			(Opr K2KTT)		

St. Vincent

J87CD	**A**	**720,228**	**1098**	**87**	**195**

U.S. Virgin Islands

W9NSZ /KP2	**A**	**2,744,640**	**3567**	**91**	**229**
W1FM /KP2	"	305,547	1021	46	95

AFRICA

Botswana

A25 /ZS6P	**28**	**621,072**	**1458**	**34**	**110**
A22RA	"	540,666	1443	31	95
A25/ ZS6BRZ	**21**	**325,451**	**830**	**35**	**103**

Canary Islands

EA8BAH	**A**	**222,115**	**484**	**53**	**102**
EA8VV	**28**	**923,124**	**1802**	**39**	**90**
EA8AKW	"	52,731	279	24	39
EA8BBP	**21**	**166,060**	**498**	**33**	**82**

Cape Verde Islands

D44BC	28	1,010,437	2090	37	126

Central African Republic

TL8JL	21	14,210	98	18	31

Ceuta & Melilla

EA9GS	A	3,520	32	15	29
EA5CHT /EA9	28	26,406	164	16	35
EA9NN	"	9,715	51	24	30
EC9JI	21	8,610	73	11	43
EA9EU	**1.8**	**14,320**	**122**	**5**	**35**

Comoros

KY0T /D68	**A**	**224,992**	**480**	**61**	**97**

Guinea-Bissau

J52US	**A**	**5,372,340**	**3932**	**122**	**338** (Opr K8MN)

Kenya

5Z4SS	A	16,500	102	17	38
5Z5DU	**21**	**549,510**	**1424**	**35**	**95**
5Z4BP	**14**	**218,322**	**632**	**34**	**83**

Lesotho

7P8DP	**A**	**1,483,648**	**1851**	**86**	**182**

Madeira Islands

CT9BZ	**A**	**12,743,190**	**6886**	**157**	**497** (Opr OH2BH)

Mayotte

FH5EF	**A**	**1,532,850**	**1595**	**104**	**226**

Morocco

CN8FC	**28**	**591,408**	**1780**	**29**	**82** (Opr WA4UAZ)

Nigeria

KB6VIR /5N3	**A**	**880,938**	**1355**	**67**	**151**
G3GJQ /5N2B	**28**	**526,976**	**1381**	**33**	**95**

Republic of South Africa

ZS5E	**28**	**308,802**	**932**	**33**	**78**
ZS4WD	"	114,227	384	32	91
ZS6AQS	"	49,895	203	29	56
ZS5BCR	**21**	**299,376**	**711**	**35**	**58**

Seychelles

S79D	A	37,752	131	43	61

Tanzania

5H1HK	**A**	**4,703,976**	**3364**	**129**	**345**

Western Sahara

SO1A	**28**	**623,970**	**1555**	**29**	**106**

Zaire

9Q5NW	**A**	**5,113,166**	**3638**	**126**	**352** (Opr N4NW)

ASIA

Bahrain

A92BE	**14**	**967,750**	**2196**	**38**	**137**

Hong Kong

VS6WO	**A**	**177,120**	**925**	**43**	**65** (Opr NA9D)

India

AT0V	**28**	**450,606**	**1199**	**36**	**86** (Opr VU2CVP)
AT0Z	**21**	**157,437**	**498**	**33**	**123** (Opr VU2ZAP)

Israel

4X0T	**28**	**557,018**	**1310**	**36**	**118** (Opr 4X6TT)
4X4VE	"	10,136	69	19	37

Japan

JF1SEK	**A**	**2,364,411**	**2259**	**111**	**246**
JH1NBN	"	**1,106,691**	**1031**	**106**	**267**
JL1MWI	"	408,744	851	56	112
JA1BUI	"	287,576	518	76	130
JA0BMS/1	"	278,296	556	555	117
JJ1NNJ	"	272,283	439	81	142
JA1ALX	"	206,976	325	84	147
JA1BNW	"	206,275	330	70	153
JA1PUK	"	164,349	324	64	116
JE1AER	"	153,450	289	67	119
JH1QDB	"	91,455	175	72	123
JH1URT	"	57,120	238	43	41
JA1WYQ	"	52,593	127	43	98
JA1IT	"	40,710	127	39	76
JR1YOL	"	37,422	158	23	40
JH1EVD	"	31,950	157	29	42
JA7ARW/1	"	30,576	114	38	66
JA1ASO	"	28,224	100	38	60
JH1HGF	"	23,852	98	39	50
JH1PXY	"	4,512	36	21	26
JG1MCC	"	2,088	26	15	14
JH1AJT	**28**	**1,421,070**	**2409**	**38**	**163**
JH5GHM /1	"	**871,474**	**2031**	**37**	**109**
JR1IJV	"	801,738	1864	36	111
JA1QZC	"	195,490	603	31	82
JN1IZR	"	171,080	562	32	72
JH1UUT	"	170,568	638	29	63
JQ1ABC	"	167,422	607	28	69
JH1IED	"	151,620	455	32	82
JH1XUZ	"	145,845	478	31	74
JK1AFI	"	128,154	486	29	64
JI1JVG	"	76,377	329	26	57
JA1BUN	"	67,896	361	29	63
JO1CRA	"	47,925	130	34	101
JA1RCT	"	46,092	234	22	47
JA1EMQ	"	43,289	208	26	47
JA1GYQ	"	22,188	174	16	24
JA1FO	"	17,110	100	20	39
JH1AIX	"	14,001	125	16	23
JF1CZQ	"	11,616	86	20	28
JG1GZN	"	10,736	82	16	27
JA1XCI	"	6,623	71	15	22
JN1WXW	"	5,499	53	17	22
JA1AAT	"	1,480	24	5	15
JA1AAV	"	1,071	21	8	9
JA1AGZ	"	525	25	4	3
JE1TTO	"	36	3	3	3
JA1SKE	**21**	**110,768**	**340**	**32**	**80**
JF1LLT	"	**77,836**	**246**	**34**	**82**
JG1RKB	"	73,914	270	28	69
JA1DCO	"	26,696	103	31	63
JE1UFF	"	7,602	67	19	23
JH1RMH	"	5,920	52	18	22
JL1KUH	"	3,036	47	11	11
JH1COV	"	2,106	27	13	13
JJ1LAR	"	615	15	7	5
JH1AOU	"	595	13	7	10
JA1VBW	**14**	**38,097**	**163**	**27**	**56**
JA1GO	"	12,636	59	32	49
JA1YAD	**7**	**64,236**	**248**	**30**	**71**
JA1XAF	**3.7**	**89,268**	**372**	**28**	**58**
JI2EMF	**A**	**625,089**	**750**	**109**	**194**
JA2DLM	"	**352,176**	**466**	**104**	**172**
JA2JOT	"	201,426	402	69	108
JF2PTA	"	49,422	154	50	68
JA2BEY	"	1,624	20	14	15
JH2BCN	**28**	**260,029**	**757**	**33**	**88**
JH2UVL	"	**152,181**	**464**	**30**	**81**
JH2HFD	"	125,244	308	36	111
JF2GYH	"	81,986	308	30	64
JA2ATE	"	54,509	223	26	65
JA2WZ	"	48,699	265	23	40
JH2KGZ	"	46,330	204	27	55
JF2KUU	"	22,984	159	20	32
JA2DN	"	21,924	132	22	36
JR2IGV	"	20,185	129	20	35
JG2TSL	"	10,472	106	15	19
JA2HFB	"	9,024	68	20	28
JA2DHL	"	2,250	28	12	18
JH2XTV	"	1,342	21	10	12
JA2BNN	**21**	**165,700**	**573**	**29**	**71**
JK2DCR	"	78,312	270	31	73
JR2MLV	"	55,620	229	29	61
JA2DSF	"	43,907	188	28	55
JA2QQC	"	42,160	175	27	58
JF2PXB	"	7,181	65	18	25
JM2BHI	"	880	18	9	11
JA2THS	**14**	**264,996**	**621**	**39**	**114**
JA2FSM	"	858	13	10	13
JA2BAY	**7**	**195,624**	**651**	**31**	**83**
JF2LTH	"	150	8	4	6
JA2IVK	**3.7**	**2,610**	**37**	**16**	**13**
JE2LPC	"	310	13	6	4
JI3AUD	**A**	**436,840**	**596**	**92**	**176**
JE3VXD	"	**355,250**	**615**	**72**	**131**
JR3WXA	"	323,127	545	76	131
JH3GRE	"	167,757	304	77	122
JI3BFC	"	67,500	173	55	95
JO3BBQ	"	32,584	123	42	61
JJ3QXW	"	15,276	84	30	37
JA3XOG	**28**	**393,053**	**985**	**36**	**101**
JA3EQC	"	**337,525**	**1010**	**33**	**82**
JR3RWB	"	246,016	679	34	94
JA3CXN	"	100,130	371	30	65
JR3BCT	"	81,679	450	19	43
JR3KCJ	"	36,708	304	18	29
JG3NKP	"	28,288	144	23	45
JA3BBG	"	25,767	148	23	40
JG3HCV	"	19,722	123	20	37
JA3PAU	"	7,791	54	20	29
JR3NZC	**21**	**435,880**	**1152**	**37**	**89**
JR3RIY	"	**315,776**	**853**	**32**	**96**
JA3SSW	"	151,008	401	34	98
JR3CVJ	"	17,710	93	24	46
JI6NXF/3	"	15,450	110	22	28
JR3JBA	"	5,625	48	19	26
JR3KAH	"	1,239	21	9	12
JA3VOV	**14**	**32,585**	**138**	**33**	**62**
JE4VVM	**A**	**2,067,495**	**1751**	**134**	**275**
JA4ESR	"	**466,884**	**654**	**104**	**158**
JE4CIL	"	271,614	488	71	132
JH4NMT	"	223,682	409	78	116
JA4DUD	"	40,940	142	48	67
JA4AOA	"	31,191	103	46	65
JR4THU	"	19,530	107	28	34
JF4XTS	"	3,828	34	19	25
JR4JRP	"	2,040	25	15	19
JG4AKL	**28**	**596,853**	**1435**	**37**	**104**
JH4UTP	"	**406,092**	**1085**	**36**	**98**
JR4ABB	"	308,760	875	34	86
JH4XKW	"	86,530	362	26	59
JR4VGD	"	53,944	220	28	60
JA4OYI	"	27,406	139	27	44
JA1XCZ/4	"	26,864	135	25	48
JF4UMY	"	5,088	59	15	17
JA4AYU	**21**	**280,430**	**713**	**39**	**106**
JR4ISK	"	14,986	96	21	38
JA4ETH	"	8,740	74	18	30
JA4AFT	**14**	**117,342**	**341**	**33**	**90**
JA4PA	"	8,640	62	25	29
JA5BEN	**A**	**169,944**	**280**	**92**	**127**
JA5BJC	**28**	**1,073,522**	**2200**	**37**	**129**
JA5EO	"	42,840	238	20	43
JA5IU	"	26,508	103	32	62
JR5WMC	"	2,464	42	10	12
JR5HCU	**21**	**131,976**	**411**	**35**	**82**
JR5ORS	"	38,212	161	28	54
JA5AF	**14**	**8639**	**65**	**24**	**29**
JA5OVU	**7**	**290,895**	**812**	**36**	**93**
JR6PGB	**A**	**3,134,042**	**2496**	**140**	**306**
JA6LDD	"	**1,289,452**	**1286**	**101**	**246**
JH6TYD	"	107,682	300	55	76
JA6AKV	"	89,139	249	47	82
JA6BWH	"	75,920	218	53	77
JE6IXH	"	64,368	170	64	85
JF6JQM	"	56,950	155	51	83
JA6JXO	"	37,052	149	35	61
JH6IOM	"	28,440	126	32	47
JA6BIF	"	11,431	67	33	38
JH6MRA	"	6,858	45	21	33
JI6CJ	"	5,217	42	17	30
JF6KAC	"	4,992	36	18	30
JI6BJQ	**28**	**160,200**	**619**	**25**	**64**
JA6EFT	"	83,420	304	30	67
JA6IP	"	74,800	262	31	69
JA6QDU	"	31,609	152	24	49
JA6WF	"	9,796	54	23	39
JA6FHF	"	4,650	56	15	16
JA6GGD	"	3,168	33	14	18
JR6AP	"	1,680	28	9	11
JA6YFL	**21**	**254,464**	**651**	**38**	**104**
JR6KBY	"	65,212	193	32	88
JI6JTH	"	12,702	83	24	34
JI6OWY	"	54	4	3	3
JR4WYU /6	**14**	**39,225**	**199**	**28**	**47**
JE6ZAI	**3.7**	**1944**	**33**	**13**	**14**
JA7YAB	**A**	**1,027,116**	**1287**	**97**	**180**
JA7JHT	"	**177,600**	**316**	**81**	**119**
JA7AXP	"	5,712	44	21	30
JA7MAD	**28**	**281,567**	**804**	**32**	**88**
JA7DOT	"	204,152	679	26	78
JE7HFL	"	126,588	544	21	58
JF7XHQ	"	109,336	476	26	53
JR7CDL	"	46,926	209	24	55
JH8FAJ/7	"	14,856	111	15	31
JE7GRW	"	4,865	49	14	21
JH7YJF	**21**	**780,948**	**2107**	**34**	**92**
JH7KTI	"	159,115	465	32	89
JS7XIC	"	151,084	577	31	76
JA7HQK	"	45,291	174	28	65
JF7IJT	"	14,464	80	23	41
JR7QNM	"	3,100	41	15	16
JH7HJF	"	468	12	8	10
JG7JBZ	"	375	12	7	8
JH7QXJ	**14**	**169,136**	**496**	**35**	**89**
JA7BEW	"	123,924	335	37	101
JA7JH	"	63,360	172	38	94
JA7FFN	"	2,346	36	10	13
JA8RWU	**A**	**2,231,760**	**1910**	**123**	**285**
JA8HBC	"	47,328	178	40	56
JA8BB	"	44,916	133	47	67
JH8QBY	**28**	**136,245**	**515**	**28**	**65**
JH8DHV	"	52,785	268	22	47
JH8UOJ	"	11,400	74	20	37
JI1BRGC	"	3,926	51	10	16
JA8SCD	**21**	**697,022**	**1603**	**37**	**112**
JE8OJD	"	60,268	283	24	52
JE8PHS	"	10,332	100	18	23
JA9JFO	**28**	**318,220**	**791**	**35**	**105**
JH9WQO	"	36,630	200	23	43
JA9NB	"	4,110	47	11	19
JA9BEK	**21**	**189,608**	**497**	**35**	**102**
JA9KKC	"	23,064	137	23	39
JH0QNT	**A**	**3,019,600**	**2669**	**117**	**283**
JH0KHR	"	**2,981,888**	**2479**	**126**	**290**
JA0JHA	"	**2,695,410**	**2538**	**137**	**310**
JA0OVG	"	73,677	214	48	75
JH0DNX	"	73,661	238	50	69
JA0BR	"	47,008	162	40	64
JA0BPY	"	21,836	76	47	56
JH0BLI	"	19,546	117	21	37
JE0IUR	"	4,277	37	19	28
JA0NFP	**28**	**192,400**	**629**	**33**	**71**
JR0BQT	"	55,261	265	23	50
JH0HON	"	22,896	120	23	49
JH0QYS	"	18,000	134	16	32
JA0CRG	"	6,032	42	21	31
JH0EPI	**21**	**155,495**	**608**	**29**	**59**
JH0OBD	"	93,342	359	29	65
JH0MXV	"	85,860	306	31	77
JR0UFK	"	7,480	67	17	23
JR0CGJ	"	2,772	34	17	16
JA0TW	"	2,020	36	9	11
JA0EPF	14	19,312	100	27	44
JA0UMV	**7**	**41,964**	**203**	**24**	**54**
JR0UFK	"	7,480	67	17	23

Jordan

JY9LC	**A**	**928,326**	**2074**	**45**	**116**
JY9SR	28	17,784	170	10	26

Korea

HL9CA	A	33,136	143	48	61
HL9JZ	"	5,875	45	15	32
HL9TF	**28**	**418,880**	**1234**	**35**	**84**

Mongolia

JT1T	**A**	**563,420**	**1877**	**69**	**128** (Opr JT1BU)
JT1BG	"	24,660	103	39	51

Saudi Arabia

HZ1HZ	**A**	**627,440**	**711**	**86**	**224**

Singapore

9V1XI	**A**	**180,120**	**421**	**79**	**149**

Syria

YK1AO	**A**	**63,220**	**232**	**36**	**73**

Turkey

TA2AO	A	2,835	40	7	20

Western Malaysia

9M2ZZ	**A**	**50,585**	**200**	**48**	**67** (Opr N4MRF)

UNION OF SOVIET SOCIALIST REPUBLICS

Armenia

UG6JJ	**A**	**30,700**	**144**	**31**	**69**
UG6LQ	**14**	**725,536**	**1,680**	**37**	**121**

Asiatic Russia

UA9MR	**A**	**1,000,215**	**824**	**128**	**337**
UV9FM	"	**486,315**	**610**	**88**	**215**
UA9FM	"	214,595	371	53	176
UA9OS	"	174,282	348	59	127
UA9MEG	"	54,890	255	36	67
UA9URF	"	58,784	134	66	102
RV9CDV	"	57,352	200	25	82
UA9CQB	"	5,885	41	25	30
UA9YNC	**28**	**295,424**	**967**	**21**	**97**
UA9XAB	"	**103,509**	**405**	**20**	**73**
UA9OLW	"	67,520	363	21	59
UA9MEK	"	27,968	193	18	46
UA9XFG	"	17,810	103	18	47
UW9CL	"	17,670	102	20	42
UA9KCW	"	12,545	193	18	47
UA9CUA	"	4,120	53	20	38
RW9AB	**21**	**523,980**	**804**	**37**	**105**
RA9UAD	"	**100,125**	**549**	**26**	**63**
UA9YBO	"	84,483	480	23	58
UA9UPG	"	74,103	306	30	75
RA9CUH	"	22,750	165	16	38
UA9FAR	**14**	**169,642**	**521**	**33**	**88**
UV9FG	"	53,820	298	19	50
UV9FR	"	49,581	283	15	48
UA9LT	"	720	15	7	9
UA9CAW	**7**	**12,801**	**107**	**12**	**39**
UA9ND	"	17,212	128	11	32
UA9QA	**3.7**	**52,780**	**333**	**15**	**50**
UA0ABK	**A**	**1,860,352**	**2012**	**100**	**238**
UA0SR	"	**804,270**	**1442**	**83**	**172**
UA0FM	"	251,860	615	78	118
RA0JJ	"	191,313	527	57	119
UA0ST	"	85,228	319	57	86
UW0CM	"	54,529	323	41	55
UW0CF	"	28,527	97	40	71
UA0CS	"	727	13	10	12
UA0WW	**28**	**440,217**	**1377**	**31**	**92**
UA0FZ	"	84,975	303	20	74
UA0TO	**21**	**579,632**	**2026**	**36**	**100**
UA0KBO	"	**414,428**	**2280**	**27**	**49**
UW0LI	"	231,855	730	34	89
UA0QBR	"	188,036	637	30	86
UA0XAK	"	182,826	996	27	55
UA0ZDD	"	63,120	296	24	56
UA0FS	"	52,500	230	28	56
UA0CR	"	29,235	156	22	43
LA0SME	"	20,194	160	16	30
RA0SU	**14**	**221,400**	**668**	**37**	**86**
UZ0OWO	"	12,408	70	17	27
UW9QA /UA0A	**7**	**10,868**	**108**	**15**	**37**
UA0FF	**3.7**	**31,968**	**245**	**21**	**33**

Azerbaijan

RD6DJ	**28**	**99,648**	**356**	**25**	**71**
UD6DKW	14	1,848	40	8	20
UD6KW	**1.8**	**5,500**	**115**	**7**	**13**

Georgia

UF6QR	**28**	**284,200**	**1040**	**25**	**73**
UA3TT /RF8F	"	145,300	514	34	66
RF6FKG	**21**	**48,600**	**224**	**25**	**56**
UF6VZ	**3.7**	**204,134**	**687**	**25**	**73**

Kazakhstan

RL7AC	**A**	**387,427**	**538**	**78**	**205**
UL7CAC	**21**	**86,296**	**345**	**28**	**64**
RL7RL	"	12,350	88	16	34
UL7DA	**14**	**450,304**	**1324**	**32**	**92**
UL7LC	"	**377,292**	**1085**	**35**	**103**

Kirghizistan

UM8MAU	A	10,950	79	8	32
UM8MIG	**28**	**211,947**	**613**	**34**	**95**

Tadzhikistan

UJ8JMM	**A**	**229,710**	**473**	**81**	**194**
UJ8JCM	**28**	**429,732**	**1340**	**35**	**94**
UJ8XDH	"	67,932	267	30	72

Turkmenistan

RH8AD	21	1,140	23	8	12
UH9AWA	**14**	**78,552**	**395**	**18**	**54** (Opr RW3AH)

Uzbek

RI8BT	**A**	**69,190**	**357**	**26**	**59**
RI8BL	**3.7**	**9,984**	**110**	**11**	**28**

EUROPE

Aland Island

OH0MM	**A**	**6,544,684**	**4727**	**149**	**473**
OH0NJ	**28**	**55,518**	**192**	**32**	**82**

Andorra

C31LHJ	**A**	**135,930**	**475**	**42**	**96**
C31LFY	"	15,000	109	28	47

Azores Islands

CU1AF	A	41,303	157	34	69
CU1EZ	"	34,228	158	28	58
CU2AF	7	2,555	49	11	24

Austria

OE9SLH	**A**	**98,865**	**280**	**59**	**136**
OE1BKA	"	35,728	212	33	55
OE2LDM	"	9,216	73	24	40
OE3HCS	"	636	19	6	6
OE4BKU	**28**	**67,068**	**377**	**26**	**55**
OE6GNO	"	36,750	190	22	48
OE7SEL	"	1,066	14	13	13
OE7GNI	7	952	28	4	13

Balearic Islands

EA6EA	A	6,776	87	18	38
EA6VQ	**28**	**1,097,136**	**2513**	**39**	**132**
EA6ZS	"	17,759	145	18	41
EA6WY	21	7,242	82	15	36
EA6XQ	14	21,780	166	16	50

Belgium

ON7CC	A	46,400	203	36	64
ON5CZ	"	14,718	119	26	40
ON4AMT	**28**	**787,501**	**1941**	**37**	**106**
ON8BK	"	442,373	1219	35	102
ON4AWK	"	155,112	608	25	67
ON4KST	**21**	**233,810**	**877**	**28**	**75**
ON4XG	**14**	**84,000**	**463**	**25**	**75**

Bulgaria

LZ1KNP	**A**	**425,854**	**837**	**72**	**214**
LZ1CW	"	371,856	731	69	175
LZ1BJ	"	29,140	175	28	66
LZ1HP	"	14,070	97	28	42
LZ1BG	"	7,191	90	17	30
LZ2AB	**28**	**1,072,501**	**2274**	**39**	**154**
LZ1KHB	"	72,324	404	25	57
LZ2JE	"	2,592	30	14	22
LZ1YE	**21**	**1,011,810**	**2370**	**38**	**136**
LZ2WA	"	190,938	757	32	89
LZ1DD	14	7,182	119	10	32
LZ2MP	"	943	33	7	16
LZ1KOZ	**1.8**	**14,040**	**259**	**8**	**44**

Czechoslovakia

OK1ALW	**A**	**3,156,495**	**2654**	**122**	**367**

OK2RU	"	530,240	901	90	230
OK2ABU	"	523,766	1013	60	191
OK1EP	"	381,381	565	78	195
OK1HD	"	354,830	712	68	191
OK1KZ	"	320,664	814	63	185
OK2BBI	"	285,387	536	68	183
OK3IAG	"	266,409	543	77	220
OK1BB	"	243,320	633	59	220
OK2QX	"	233,020	515	62	182
OK3YCA	"	222,939	498	65	142
OK2PGT	"	184,022	567	52	150
OK2HI	"	171,186	586	51	155
OK3YK	"	136,971	514	45	126
OK1MNV	"	130,713	462	39	148
OK2KBH	"	120,435	342	51	134
OK3CTX	"	88,464	357	44	108
OK1DXW	"	83,330	311	39	91
OK2BHQ	"	64,855	258	36	83
OK1DWC	"	63,664	220	53	130
OK3UG	"	54,383	203	44	75
OK1MIZ	"	45,310	304	30	85
OK2PCL	"	42,486	154	36	61
OK1KGR	"	38,170	328	23	87
OK1AXB	"	36,162	231	33	90
OK3CAJ	"	17,710	179	22	48
OK1MSP	"	15,921	73	19	42
OK2MAJ	"	13,915	39	11	23
OK2BLD	"	13,601	130	20	47
OK1GP	"	12,200	115	14	26
OK1S	"	9,856	118	12	49
OK2EC	"	5,525	49	22	43
OK3CMZ	"	3,510	34	18	27
OK2BPK	"	2,622	42	11	12
OK6DX	28	762,600	1779	38	117
OK3CFA	"	557,277	1367	38	109
OK3CQR	"	520,968	1390	37	110
OK2PAY	"	406,288	1126	34	100
OK1TN	"	349,953	822	39	118
OK1ADS	"	342,601	1086	32	87
OK1MG	"	173,055	462	35	104
OK1VAM	"	156,078	495	33	84
OK3CLD	"	152,656	562	30	82
OK2SPJ	"	91,008	374	25	71
OK1DFF	"	68,640	350	22	58
OK2XA	"	33,790	211	21	41
OK1FFU	"	18,778	165	17	24
OK1DXL	"	12,328	112	19	27
OK2BGQ	"	11,794	116	16	22
OK1MPP	"	11,289	57	26	45
OK1AMS	"	9,812	78	18	26
OK1JFP	"	5,022	54	12	19
OK2BSQ	"	2,375	37	11	14
OK2SWD	"	666	13	9	10
OK1AJN	21	302,457	1059	31	92
OK2ZZ	"	271,878	1010	28	85
OK1JCH	"	104,841	514	25	74
OK1AGN	"	66,597	368	21	58
OK3KAG	"	62,894	416	19	59
OK3EQ	"	39,591	237	23	60
OK1DRR	"	32,930	198	23	51
OK3ZWX	"	19,604	187	15	37
OK1DHJ	"	12,366	137	14	40
OK1JDJ	"	7,480	89	16	28
OK1DWX	"	5,376	64	11	21
OK3CMW /p	14	28,224	288	14	59
OK3CXS	"	27,206	316	12	49
OK3DU	"	24,455	130	24	49
OK2BOP	"	23,973	217	15	45
OK1AJY	"	13,440	185	11	37
OK2BAT	"	9,890	138	12	34
OK1FTC	"	2,736	152	6	12
OK2TBC	"	1,508	32	10	19
OK1JJF	3.7	23,274	429	6	48
OK1FGC	"	20,592	360	10	38
OK3YCL	"	15,925	312	7	42
OK1AYE	"	15,312	265	9	39
OK3CVI	"	8,405	207	6	35
OK1MKU	"	3,834	102	5	31
OK3CMK	"	3,072	96	5	27
OK3KNS	"	2,856	82	5	29
OK2BWJ	"	1,944	77	4	23
OK3CWQ	1.8	23,460	372	10	50
OK1DWJ	"	5,324	122	7	37

Denmark

OZ4MD	A	1,047,330	1066	118	287
OZ6PI	"	64,780	245	40	118
OZ1IZB	"	11,826	75	21	33
OZ5EV	28	304,414	818	32	105
OZ1LRT	"	49,875	192	29	66
OZ9HN	"	13,572	120	18	21
OZ5XT	"	1,692	40	9	9
OZ1LTB	21	201,262	780	29	74
OZ2ACL	"	52,614	283	23	56
OZ7HT	14	376,740	1351	35	103
OZ5PZ	"	28,860	283	16	49
OZ7JZ	1.8	9,216	183	8	40

England

G3SNN	A	2,891,184	2426	122	342
G4OBK	"	2,639,249	2584	111	310
G3XTT	"	1,773,708	1663	114	360
G3OZF	"	1,636,728	1755	100	276
G4ZXC	"	134,706	450	45	112
G4NXG/M	"	50,830	156	43	87
G0IAT	"	15,615	117	11	34
G3FXB	28	1,494,048	3338	37	121
G3LNS	"	1,264,848	2895	37	119
G4OJH	"	500,820	839	32	70
GB75USA	"	94,815	662	14	35
G6QQ	"	52,059	318	20	47
G4CNY	21	990,344	2390	38	120
GK8B	7	160,272	789	27	81

Faroe Islands

OY9JD	A	3,463,306	3504	123	350
OY1A	14	2,775	66	9	28

Federal Republic of Germany

DJ4PT	A	3,629,934	2947	133	353
DJ9ZB	"	2,323,150	1962	129	350
DF1SD	"	1,393,308	1477	98	280
DL5UF	"	1,121,875	1736	103	309
DL3LU	"	864,006	943	109	309
DF1IK/P	"	802,016	1053	85	268
DJ5FT	"	769,370	1003	100	279
DF7NJ	"	736,137	1178	88	223
DL3NBL	"	555,960	877	90	238
DL6DK	"	504,845	702	77	258
DK5WL	"	465,750	880	61	146
DF2UQ	"	366,000	790	43	201
DK5WQ	"	358,792	653	73	222
DL8SCG	"	333,201	605	71	182
DK5DS	"	325,240	600	68	167
DJ5AV	"	295,308	629	64	170
DL6LAC	"	277,780	924	50	120
DJ4ZR	"	244,530	363	87	199
DL8NBJ	"	238,750	509	67	183
DK8AX	"	222,562	327	96	161
DL8OBE	"	213,840	471	62	154
DL9NCR	"	203,280	449	68	163
DL5YCQ	"	201,566	515	65	129
DJ2UU	"	161,035	379	62	153
DJ7IK	"	156,959	382	63	146
DL1EK	"	147,737	461	48	109
DL1XAS	"	138,750	380	49	136
DL2JO	"	135,447	431	47	104
DL9DBR	"	131,047	287	61	132
DL2RBK	"	124,950	360	49	98
DJ9MH	"	118,560	287	62	128
DJ0MW	"	103,621	293	49	82
DL3DAF	"	91,290	236	55	115
DL3RDE	"	88,773	364	36	91
DJ6GK	"	86,994	205	59	120
DL3YCJ	"	74,745	252	45	106
DF3IS	"	71,791	289	33	68
DK1DX	"	64,414	268	32	75
DL8AAM	"	59,777	302	34	79
DK9SG	"	37,488	180	32	56
DL7ZR	"	31,008	121	42	72
DJ1ND	"	26,606	105	38	68
DJ9HY	"	23,634	127	27	51
DL1GGQ	"	22,080	167	21	39
DL3IV	"	20,805	155	30	65
DA1KM	"	17,459	148	22	57
DF5WV	"	12,654	75	28	46
DL8NU	28	970,788	2323	37	110
DK1QH	"	576,436	1786	34	85
DL6LAU	"	522,512	1403	34	102
DL2DBH	"	411,075	1091	35	100
DK1II	"	271,955	904	30	79
DL4OK	"	218,890	745	30	76
DJ1XP	"	159,951	451	32	99
DJ1ZU	"	157,194	659	26	56
DL8NCG	"	140,262	535	29	68
DK8FS	"	127,775	379	35	97
DJ7OQ	"	49,858	212	26	71
DJ4PI	"	44,352	150	35	77
DF8AN	"	25,536	123	24	60
DL3ME	"	20,805	152	21	36
DH1SAJ	"	16,794	120	14	40
DL9RDG	"	11,395	75	24	29
DJ8OT	"	7,590	59	17	29
DJ6TK	"	2,660	35	15	23
DL8PC	21	801,468	1883	39	125
DL1SBR	"	374,528	133	35	98
DL0LR	"	81,720	422	23	67
DL1SBF	"	27,136	198	17	47
DA1WR	14	154,224	543	33	93
DJ0BX/P	"	19,050	236	15	35
DK5WN	3.7	56,854	669	11	51
DL8QS	"	3,120	62	8	31

Finland

OH6JW	A	4,250,536	3407	123	364
OH3UU	"	4,093,600	3335	123	353
OH1AF	"	3,966,270	3648	121	341
			(Opr OH1NOA)		
OH2PM	"	2,788,668	2413	126	387
OH6YF	"	2,369,500	2596	95	255
OH6NEV	"	885,292	1497	70	207
OH1BV	"	803,241	1226	82	197
OH1HD	"	354,830	716	68	191
OH3VV	"	336,480	647	68	172
OH2LU	"	329,784	556	87	186
OH1BZ	"	250,790	309	108	202
OH6CD	"	137,821	326	35	248
OH6VR	"	127,350	238	73	152
OH6SU	"	126,911	325	60	119
OH7NW	"	72,670	295	44	125
OH2LP	"	71,808	173	62	124
OH3AD	"	64,225	241	23	54
OH2VZ	"	43,632	182	37	64
OH2BLU	"	34,500	112	32	83
OH6DK	"	28,575	130	39	88
OH2BYS	"	21,204	84	42	72
OH2DW	"	21,112	92	18	34
OH1NZQ	"	15,714	87	34	63
OH7SM	"	14,528	127	24	40
OH1PY	"	6,566	50	20	29
OH2XK	"	130	5	5	5
OH7JL	28	298,503	902	34	119
OH2BAD	"	179,396	442	36	113
OH6NID	"	145,244	658	25	74
OH1NSJ	"	82,062	459	26	68
OH2FQ	"	64,680	250	27	83
OH1MCX	"	61,582	351	22	60
OH2BPA	"	36,401	202	22	67
OH8MCT	"	29,835	234	20	45
OH6NTO	"	26,475	147	24	51
OH6RC	"	22,648	137	23	53
OH3MFP	"	21,285	186	18	37
OH3NKK	"	10,131	112	11	22
OH9RR	"	8,256	49	24	40
OH5OD	"	6,954	102	12	26
OH2BXT	"	6,360	75	12	28
OH5MD	"	5,459	50	17	36
OH7MFO	"	4,624	80	9	25
OH7MDS	"	2,139	74	14	17
OH2MDC	"	2,080	43	11	21
OH3NHF	"	1,872	30	10	14
OH1MBW	"	1,862	49	12	26
OH8MDA	"	1,782	23	9	24
OH8MBN	"	1,425	33	8	7
OH5BM	21	1,141,296	3113	38	118
OH6RV	"	450,606	1772	32	74
OH8VJ	"	419,956	1317	32	102
OH1KF	"	256,956	854	36	97
OH7EU	"	217,563	632	34	107
OH4ML	"	74,253	307	32	71
OH3BU	"	47,296	422	15	49
OH3WD	"	41,230	165	26	69
OH1PE	"	37,650	260	21	54
OH6MM	"	16,900	155	14	36
OH5NKD	"	4,470	101	10	20
OH3OJ	14	530,040	1733	38	102
OH8LQ	"	495,040	1711	34	96
OH2BUU	"	50,778	389	23	55
OH2BCD	"	32,021	237	23	48
OH3MC	"	16,340	87	23	53
OH2HE	7	219,510	801	35	100
OH2BEN/4	3.7	21,861	290	13	50

France

F6DZU	A	1,647,832	2096	89	207
F6AOJ	"	1,403,688	1316	110	319
F5IN	"	455,832	1178	50	106
F6IUI	"	285,384	527	78	175
F8WE	"	220,906	671	52	165
F6EXQ	"	183,375	434	61	164
F3VX	"	152,706	503	50	136
FD1MNC	"	85,972	422	36	80
F6GCP	"	78,625	161	61	124
FE6DRP	"	76,923	401	31	80
FD1NKX	"	69,276	291	45	95
FD1MLJ	"	65,320	243	38	77
F9DK	"	59,076	247	40	68
F6AWW	"	54,365	205	45	86
F6ENT	"	41,630	148	44	71
F6FHA	"	27,984	152	27	61
F6EEM	"	15,770	75	31	52
F1HWB	"	10,918	74	29	74
F6FIO	28	662,467	1854	36	95
F6EHJ	"	321,539	914	36	101
FD1HQY	"	89,790	489	24	49
F1JPA	"	30,267	209	22	37
FE6FNA	21	35,244	253	19	47
TH0X	14	422,838	1718	36	103
F6EZV	7	88,445	478	22	73

German Democratic Republic

Y22JJ	A	1,153,368	1626	89	243
Y44UI/A	"	502,975	746	82	213
Y48HL	"	495,584	1006	76	196
Y32WF	"	422,664	881	69	195
Y28AL	"	327,825	873	54	181
Y25KA	"	259,064	720	57	155
Y33UJ/P	"	193,494	455	64	174
Y22XF/A	"	174,066	423	54	147
Y25PE	"	170,556	492	55	128
Y67UL	"	169,460	512	54	131
Y31LA	"	155,630	510	53	144
Y54TA	"	153,455	313	74	161
Y78SL	"	147,840	288	70	140
Y23RJ/P	"	121,581	438	44	127
Y22HF	"	116,655	304	49	116
Y51XO	"	106,314	246	60	114
Y640I	"	97,608	323	43	104
Y31NB	"	86,036	301	42	95
Y32FK	"	85,768	391	36	106
Y24NG	"	79,648	234	46	106
Y22VI	"	72,675	330	39	114
Y62SM	"	66,933	217	43	68
Y55TJ	"	60,514	172	51	107
Y33TA	"	55,130	140	55	94
Y36YM	"	48,372	193	43	96
Y75YL	"	47,816	161	39	100
Y22RK	"	47,268	276	31	47
Y22BF	"	45,828	227	34	80
Y25ML	"	40,504	232	32	90
Y34XF	"	30,780	144	31	50
Y25IF/A	"	30,520	189	32	77
Y46ZC	"	30,115	200	24	71
Y32PI/P	"	30,039	141	35	58
Y24UB/A	"	29,973	125	34	63
Y28GO/A	"	25,856	120	33	68
Y23CM	"	25,443	121	29	70
Y64VA	"	24,768	172	29	57
Y31OJ	"	23,065	139	28	59
Y41PG	"	22,360	116	34	52
Y25BL	"	20,898	154	25	29
Y38ZB	"	20,710	97	35	60
Y41MK	"	20,574	157	31	50
Y49YC/P	"	20,541	118	29	94
Y42WB	"	17,820	100	28	53
Y43RK	"	17,595	157	21	64
Y46KA	"	16,980	100	29	31
Y58ZA	"	15,903	65	39	54
Y22GC	"	15,879	79	31	48
Y26KO	"	15,700	122	22	78
Y52GE	"	15,405	123	25	54
Y58WA	"	11,929	57	33	46
Y23GB	"	11,407	100	20	41
Y78XL	"	9,900	88	19	36
Y23HJ	"	9,880	116	19	57
Y23OD	"	7,772	88	19	48
Y31TB	"	7,400	79	19	21
Y53VL	"	5,170	69	15	40
Y26DM	"	3,956	44	19	27
Y41UF	"	3,808	48	16	18
Y24SK/A	"	3,154	41	15	23
Y24XA	"	3,146	45	10	16
Y58UA	"	1,792	22	12	20
Y23DL	28	556,221	1697	33	78
Y24VF/A	"	497,490	1352	35	103
Y26KI/A	"	285,956	832	36	98
Y22EK	"	252,756	722	33	93
Y41HL	"	209,088	829	27	69
Y32EE	"	173,856	709	27	69
Y26BL/A	"	91,970	480	29	56
Y21WM	"	55,360	271	24	56
Y21FC	"	43,966	194	31	58
Y22PF	"	30,170	160	23	47
Y23VB	"	25,920	155	24	40
Y43SM	"	16,728	88	23	45
Y24MB	"	16,473	156	18	39
Y25JA/A	"	15,624	136	17	25
Y36UE	"	13,780	104	19	337
Y21RM/A	"	13,251	214	10	11
Y23LI	"	9,657	109	13	24
Y33UL	"	8,832	69	20	26
Y62TI	"	7,192	101	12	17
Y22EC	"	6,401	63	14	23
Y25TA/A	"	5,060	78	9	13
Y88VSL	"	3,706	75	9	8
Y26WL	"	2,760	93	6	4
Y21CL	"	2,622	51	10	13
Y22RF	"	1,479	35	7	10
Y38WE	"	1,313	35	6	7
Y541O	"	1,008	24	6	8
Y21XO	"	594	23	5	6
Y26DO	"	425	12	7	10
Y24SG	21	121,856	379	34	94
Y37ZE	"	101,152	420	31	78
Y22IC	"	14,307	99	20	37
Y55ZA	"	9,964	120	16	31
Y42HA	"	8,058	80	17	34
Y59ZF	"	3,360	46	10	18
Y27GL	"	3,050	44	10	15
Y87PL/P	"	2,117	35	10	19
Y56MM	"	828	14	10	13
Y53UL	14	3,666	66	11	28
Y32ZF	"	1,352	40	5	8
Y25DF/A	7	1,352	42	6	20
Y25MO	"	156	14	2	10
Y66ZF	3.7	1,224	53	3	21
Y23KF	1.8	2,550	80	4	30
Y23LO	"	1,200	53	4	20

Gibraltar

ZB2X	A	6,058,080	4765	146	484
			(Opr OH2KI)		

Hungary

HA0MM	A	6,203,318	4463	154	463
HA8XX	"	743,805	1188	85	218
HA6NL	"	489,137	909	77	230
HA4YO	"	229,923	614	58	119
HA5JI	28	887,856	2172	37	122
HA7UI	"	206,880	678	30	90
HG8OB	"	53,369	273	30	53
HA5ARR	"	21,252	120	26	43
HA3GJ	"	17,214	118	20	37
HA5AHS	"	9,946	71	17	34
HA8ZC	"	4,264	40	15	26
HA3GQ	"	2,277	43	8	15
HA3KX	"	156	11	4	9
DK5KJ /HA/M	"	99	11	2	1
HA1YU	21	540,969	1506	36	107
HA9BVK	3.7	40,338	712	9	45

Iceland

TF6PS	A	845,928	2125	45	141
TF3CW	14	1,791,840	4107	34	126

Ireland

EI4DW	A	896,097	1715	52	147
EI7CC	28	80,244	392	27	81

SINGLE OP ZONE WINNERS

Zone	Call	Score	Zone	Call	Score
1	AL7KB	307,134	21	A92BE	967,750
2	VE2XY	604,950	22	AT0V	450,606
3	K6NA	3,642,240	23	JT1T	563,420
4	VB3XN	5,373,693	24	VS6WO	177,120
5	KC1F	6,429,808	25	JF1SEK	2,364,411
6	XE1OH	3,135,915	26	No entry	
7	DJ6QT/TG9	4,377,500	27	KG6DX	5,389,958
8	HI3JH	4,874,383	28	YB0ARA	3,018,032
9	9Y4TT	12,340,132	29	VK9YG	3,671,258
10	HC5J	9,358,202	30	VK2AYK	406,326
11	ZP5Y	2,535,791	31	WR6R/KH6	5,016,000
12	CE3BFZ	2,628,067	32	YJ0RY	8,970,328
13	LT8WW	1,930,500	33	CT9BZ	12,743,190
14	ZB2X	6,058,080	34	No entry	
15	OH0MM	6,544,684	35	D44BC	1,010,437
16	RU1DZ	3,348,450	36	9Q5NW	5,113,166
17	UA9MR	1,000,215	37	5H1HK	4,703,976
18	UA0ABK	1,860,352	38	7P8DP	1,483,648
19	UA0KBO	414,428	39	FH5EF	1,532,850
20	LZ2AB	1,072,501	40	TF3CW	1,791,840

EI8AU	"	13,328	152	14	35
EI9FN	**21**	**157,950**	**773**	**30**	**87**

Italy

IV3YYK	**A**	**1,833,315**	**1693**	**114**	**337**
IK6CNM	"	297,990	605	65	165
IKØFEC	"	98,27[illegible]	289	51	128
IKØLLK	"	45,576	231	21	87
IK2LCY	"	22,140	112	31	51
IU4K	**28**	**1,220,610**	**2833**	**38**	**136**
			(Opr I4ABF)		
I1ZEU	**"**	**1,179,420**	**2570**	**38**	**127**
IU4BU	**"**	**811,690**	**2018**	**38**	**119**
I8KPV	"	641,414	1712	35	107
I3KVW	"	498,075	1282	38	107
I4RHP	"	421,587	1067	35	103
I8BYG	"	390,642	1187	37	98
IKØDWN	"	193,040	566	29	98
IN3XUG	"	140,250	549	27	83
IKØLKO	"	133,182	533	26	72
IV3BMV	"	120,852	433	32	76
IK4FNF	"	6,262	72	14	17
I1KN	**21**	**663,696**	**1419**	**39**	**137**
I4FYF	"	380,904	1224	32	86
I1RJP	"	210,936	656	35	101
W9LT/IØ	"	203,443	834	32	99
IK6CWQ	**14**	**695,540**	**1915**	**37**	**119**
IK1HJS	**"**	**607,370**	**1695**	**38**	**149**
IK8ETA	**"**	**576,380**	**1462**	**38**	**141**
IO3MAU	**7**	**428,250**	**1420**	**36**	**114**
I5FCK	**"**	**194,228**	**764**	**27**	**91**
IØSNY	"	125,297	855	26	81
IK4HLV	"	85,540	669	23	68
IK8HJC	"	63,935	437	23	72
IK3FHO	"	38,700	408	17	58
IK5BAF	**3.7**	**270,704**	**1238**	**27**	**85**
I4AVG	**"**	**110,424**	**835**	**18**	**68**
IV3PRK	**1.8**	**22,445**	**325**	**11**	**56**

Jan Mayen

JX1UG	A	6,364	126	10	33

Luxembourg

LX1EA	**28**	**412,930**	**1358**	**34**	**85**
LX2AA	14	2,828	64	7	21

Monaco

3A8F	A	52,773	196	50	97

Netherlands

PAØAGA	**A**	**1,578,582**	**2131**	**102**	**267**
PA2SWL	"	354,832	789	70	198
PA3CJP	"	247,380	561	59	158
PAØCOR	"	239,932	505	56	153
PAØKDM	"	173,044	138	22	52
PA3EMN	"	170,368	476	52	124
PA3ERV	"	47,840	211	36	58
PAØUV	"	42,770	192	34	60
PAØHML	"	25,920	132	31	49
PA3EBX	"	17,360	92	30	41
PA3CAU	"	17,199	137	16	33
PA3ECB	"	7,192	75	19	39
PAØYN	"	3,718	52	13	13
PAØMVW	"	2,160	26	16	20
PBØAIB	28	22,400	176	18	32
PAØHTR	"	19,936	142	19	37
PBØAFQ	"	13,248	150	14	22
PAØDJ	"	648	24	5	4
PA2REH	**21**	**162,100**	**727**	**26**	**74**
PAØQX	"	93,120	583	21	43
PAØZH	7	11,387	135	15	44
PAØIJM	**3.7**	**43,268**	**646**	**12**	**46**

Northern Ireland

GI4BBV	**A**	**607,624**	**710**	**64**	**238**

Norway

LA7MFA	**A**	**1,510,144**	**1937**	**89**	**258**
LA1T	**"**	**348,972**	**1034**	**52**	**104**
LA9DI	"	184,509	377	70	179
LA2AD	"	88,195	313	44	111
LA7XK	"	49,786	151	43	103
LA4SK	"	37,497	265	25	62
LA1KQ	"	36,630	206	28	83
LA6MY	"	16,695	116	25	76
LA1ZH	"	12,480	78	28	50
LA3WBA	"	10,366	62	30	43
LA2LV	"	9,600	67	22	28
LA2EG	"	9,016	63	22	34
LA9HFA	"	7,695	51	24	33
LA9HAA	"	5,668	12	5	8
LA7CL	"	4,278	49	17	29
LA4OGA	"	2,100	37	10	10
LA9GX	**28**	**384,060**	**1277**	**32**	**79**
LA5JX	"	74,023	405	26	53
LA9VDA	"	9,968	76	21	35
LA9FFA	"	9,486	100	13	21
LAØDY	"	7,392	60	17	25
LA2OH	"	4,807	88	9	10
LA7WCA	"	4,047	71	9	10
LA9MI	"	2,938	54	10	16
LA5TBA	"	1,296	20	12	12
LA1QDA	**21**	**54,746**	**379**	**17**	**45**
LA3KY	"	28,026	213	18	36
LA3JT	"	22,981	209	16	33
LA5UF	**7**	**112,530**	**584**	**22**	**71**
LA9HW	"	36,210	323	15	56
LA1XDA	"	28,208	192	20	62
LA4LN	**1.8**	**3,162**	**109**	**4**	**27**
LA6LDA	"	2,730	79	5	30

Poland

SP5DYO/a	**A**	**510,831**	**1034**	**68**	**201**
SP3IOE	**"**	**372,601**	**756**	**64**	**175**
SP9HWN	**"**	**179,395**	**508**	**45**	**127**
SP9CTW	"	158,720	294	77	179
SP8HPW	"	101,994	349	50	128
SP5ABB	"	88,750	401	39	103
SP4BPH/A	"	87,750	361	34	101
SP7FOI	"	87,552	417	36	116
SP9AXA	"	86,583	341	35	98
SP9AGS	"	70,556	447	23	101
SP3HC	"	54,171	225	40	77
SP5LM	"	52,375	204	44	81
SP9MAX	"	46,640	202	40	70
SP9RPT	"	26,624	186	27	77
SP9EQG	"	21,390	177	20	73
SP9GDB	"	20,746	156	24	58
SP9BLF	"	16,188	129	19	52
SP9RG	"	14,535	102	30	55
SP6BGF	"	13,838	220	21	67
SP7GAQ	"	9,976	60	32	54
SP9MRM/a	"	7,840	92	21	35
SP9DGO	"	7,750	70	19	31
SP3CDR	"	6,916	65	19	33
SP5SAQ	"	5,063	57	16	45
SP2FAP	**28**	**491,176**	**952**	**38**	**141**
SP5DDJ	**"**	**384,272**	**994**	**36**	**110**
SP6LTF	**"**	**299,382**	**876**	**33**	**90**
SP6CZ/6	"	199,629	614	33	90
SP4EEZ	"	131,572	476	35	94
SP8SIP	"	117,132	340	35	94
SP1JRG	"	103,615	328	31	84
SP6OJJ	"	71,100	347	24	51
SP9PT	"	58,616	167	35	99
SP6DVP	"	53,108	288	27	44
SP9LLF	"	48,459	207	25	62
SP9AHB	"	44,635	139	36	77
SP8BJH	"	29,850	136	27	48
SP9ZD	"	29,315	164	27	38
SP6FPH	"	27,510	130	28	42
SP3LPR	"	25,144	163	20	36
SP6HTC	"	21,376	115	24	40
SP6HRK	"	19,320	86	23	66
SP8GEY	"	18,536	135	22	34
SP9IGY	"	16,054	145	15	31
SP7NJX	"	15,714	103	23	31
SP2BIK	"	14,637	123	15	26
SP9CVE	"	7,605	75	15	24
SP4OLV	"	7,178	105	12	25
SP3COP	"	5,964	102	8	13
SP3IBS	"	364	10	6	7
SP6HEK	**21**	**160,000**	**575**	**32**	**96**
SP2UUU	**"**	**156,954**	**643**	**25**	**86**
SP9NLK	"	116,580	448	35	81
SP2EXN	"	61,152	358	21	57
SP7FWJ	"	46,847	263	22	57
SP8NCY	"	41,728	312	18	46
SP9CAY	"	28,518	128	29	68
SP5JXK	"	21,728	193	15	41
SP9EEE	"	2,128	30	10	18
SP1AEN	**14**	**78,085**	**459**	**24**	**73**
SP5GNI	**"**	**30,784**	**304**	**19**	**55**
SP9ADK	"	26,928	249	16	50
SP9AVZ	"	22,330	280	11	44
SP6OWD	"	21,964	242	16	52
SP1EOI	"	21,284	131	17	51
SP6DHH	"	15,615	210	10	55
SP2IWA/a	"	15,169	133	18	46
SP9IWO	"	14,136	136	15	42
SP3NYA	"	8,178	74	16	31
SP9HZF	"	6,191	95	11	30
SP3OEX	"	4,992	55	13	26
SP6PAX	"	3,663	73	10	27
SP3SUN	"	2,688	54	8	24
SP8RJ	"	1,911	41	6	15
SP3RBR	**7**	**505,440**	**1529**	**35**	**118**
SP9EMQ	"	20,160	240	14	50
SP6IHE	**3.7**	**31,595**	**445**	**17**	**54**
SP7HKK	"	6,664	113	9	40
SP9NSV	"	3,036	91	12	28
SP3DFB	"	2,790	89	10	24
SP5INQ	**1.8**	**17,670**	**310**	**10**	**47**

Portugal

CT1DTH	**A**	**387,630**	**515**	**80**	**215**
CR5CQK	"	201,584	438	50	122
CR7BWW	"	80,798	235	40	102
CQ4DIZ	"	76,230	298	41	113
CT1QF	"	69,654	224	40	101
CQØTM	"	13,072	72	29	47
CT1BQN	"	7,750	43	30	32
CR8NH	**28**	**993,454**	**2791**	**35**	**119**
GØAEV					
/CT1	"	110,828	529	26	77
CQ2BBJ	"	40,296	311	21	48
CT1AVR	"	6,720	54	15	41
CO5ASM	**21**	**109,822**	**831**	**28**	**58**
CT1UO	"	13,207	111	11	36
CT1BOP	**14**	**1,175,230**	**2893**	**38**	**125**
CQ9CIR	"	75,087	339	29	74
CT1CAK	"	11,766	133	13	40
CT1CLR	**7**	**41,588**	**391**	**15**	**59**

Romania

YO3NL	**A**	**537,570**	**941**	**77**	**253**
YO9CBZ	**"**	**80,266**	**452**	**38**	**101**
YO8AII	"	49,125	195	46	86
YO7ARY	"	31,151	206	37	58
YO9DIA	"	26,350	161	31	54
YO6ADW	"	17,168	130	22	52
YO6DDF	"	13,176	88	23	31
YO9FL	"	12,079	118	29	55
YO9AHX	"	4,692	78	11	40
YO3ZR	"	3,417	48	20	31
YO5AVN/3	"	1,554	20	17	20
YO3DCO	"	1,271	16	15	16
YO9DHZ	"	792	19	9	15
YO4AAC	"	609	25	7	14
YO7LDL	**28**	**82,200**	**486**	**23**	**52**
YO2LBN	"	22,119	129	22	51
YO2CMI	"	900	25	6	6
YO3RX	"	154	6	5	6
YO6BZL	**21**	**98,580**	**413**	**31**	**93**
YO3AIL	"	40,092	268	24	54
YO6VZ	**14**	**88,736**	**609**	**23**	**71**
YO6CRP	"	15,240	160	14	46
YO3AMC	"	3,485	41	14	27
YO6DBA	"	1,769	57	6	23
YO6ADW	"	1,300	58	5	15
YO3JF	**7**	**67,150**	**501**	**24**	**61**
YO8KGX	"	10,395	184	11	34
YO5QAW	"	9,000	200	6	34
YO9IAB	**3.7**	**5,226**	**124**	**6**	**33**
YO2LEL	"	3,060	91	9	25
YO2LCL	"	2,548	81	9	23
YO6AJI	**1.8**	**5,772**	**159**	**4**	**33**
YO8BOI	"	288	22	3	13

Scotland

GM4VJV	**A**	**848,922**	**1550**	**85**	**217**
GM3BCL	**"**	**813,100**	**1307**	**68**	**167**
GM4WEW	"	317,958	707	54	143
GMØDBW	"	156,558	601	48	146
GM4CUX	"	20,280	114	28	50
GMØHJV	**28**	**113,288**	**593**	**22**	**46**
GM4CHX	"	51,525	315	21	54
GM3CFS	"	26,340	212	16	44
GMØAXY	21	15,957	77	27	54

Sicily

IT9GSF	**A**	**2,333,224**	**2165**	**123**	**329**
IH9					
/IT9BLB	**28**	**648,774**	**1645**	**35**	**98**
IT9HBT	**"**	**624,711**	**1549**	**38**	**121**
IT9RYJ	"	354,783	1125	38	105
IT9JKY	"	13,200	220	22	38

Spain

EA3CUQ	**A**	**2,316,384**	**2471**	**102**	**281**
EA2DU	**"**	**1,024,114**	**1186**	**90**	**241**
ED3CM	**"**	**693,546**	**1109**	**78**	**216**
ED1DX	"	625,787	1075	69	212
EA5CGU	"	609,183	864	85	254
EA1AW	"	374,452	609	77	170
EC3CPT	"	370,014	1183	50	116
EA1CON	"	258,984	609	54	144
EA5FCO	"	215,715	502	55	164
EA7DHP	"	202,386	422	72	195
EA3NA	"	186,406	331	70	159
EA5JC	"	151,756	341	68	150
EA7CWA	"	131,904	326	88	104
EA5AEN	"	129,198	282	61	122
EA3BKI	"	126,592	413	42	86
ED7CWC	"	122,728	325	61	123
EA4EER	"	94,170	338	40	89
EA5CPH	"	89,838	509	50	111
EA7DXR	"	73,010	230	47	102
EA5FYJ	"	71,916	288	47	109
EA5BD	"	57,213	134	60	103
EA3CZR	"	52,650	237	34	83
EA2AN	"	50,367	219	35	68
EA3DVJ	"	50,285	268	31	81
EA7EBL	"	43,362	173	39	60
EA5WA	"	40,404	160	41	70
EA5DIJ	"	33,271	209	27	70
EA3EGB	"	28,363	103	42	71
EA3FHT	"	27,544	130	27	61
EA3FKC	"	24,850	139	20	51
EA5EFV	"	19,522	91	34	52
EA7CZR	"	15,200	120	24	56
EA3CZS	"	13,505	92	20	53
EA5DIT	"	9,880	57	26	39
EA3DOK	"	9,452	108	14	20
EA4EDU	"	7,760	56	29	51
EA5AW	"	3,870	37	18	25
EA7EBH	"	1,800	30	9	11
EA7KW	**28**	**796,162**	**1991**	**38**	**120**
EA4EAP	**"**	**341,496**	**960**	**35**	**101**
EA3BKZ	**"**	**242,550**	**843**	**30**	**75**
EA3ELM	"	149,624	514	34	84
EA7FTR	"	134,901	516	28	89
EA4DAE	"	101,100	276	36	114
EA3ELZ	"	101,024	379	28	84
EA5FDK	"	99,539	451	29	77
EA3FLN	"	91,000	410	22	69
EA1BFZ	"	68,996	343	25	69
EA7FUR	"	58,136	306	25	61
EA5AN	"	47,952	192	27	81
EA7FZY	"	45,650	300	21	62
EA1DDU	"	35,768	264	20	48
EA1BMM	"	35,358	246	21	50
EA7CD	"	35,100	202	22	56
EA7FUN	"	30,750	203	22	53
EA5ETP	"	26,280	215	18	42
EA3DBO	"	24,327	161	21	30
EA4EP	"	23,155	177	17	38
EA1YY	"	21,050	165	17	33
EA3DZZ	"	20,735	208	17	38
EA3ERT	"	20,540	151	20	45
EA3CZM	"	19,860	153	18	42
EA1DAX	"	10,880	142	13	27
EC5CLE	"	10,010	116	12	23
EA2CR	"	8,428	108	13	30
EA5EEP	"	7,560	113	9	26
EA3FIR	"	7,334	83	16	22
EA7GMK	"	4,074	73	14	28
EA1BKT	"	1,825	64	7	18
EA5GAY	"	1,210	22	12	10
EA7TH	**21**	**741,826**	**2084**	**34**	**114**
EA5DCL	**"**	**118,311**	**566**	**30**	**83**
EC1CSO	"	53,280	402	25	65
EA3ESZ	"	49,200	234	23	77
EA4EHQ	"	37,280	203	23	57
EC3CQJ	"	34,558	300	16	58
EA7PS	"	31,317	190	18	55
EA3EXW	"	17,780	135	20	50
EC7DNG	"	11,041	96	17	44
EC1CPE	"	9,072	73	19	44
EC7DNF	"	6,708	61	15	37
EA1CNO	"	6,030	69	12	33
EC7DMQ	"	4,961	65	14	27
EC4CPW	"	168	7	4	4
EA3AAY	**14**	**152,576**	**698**	**32**	**96**
EA7AL	"	92,225	383	31	88
EA1BIM	"	82,915	361	30	85
EA1DFH	"	57,456	312	31	81
EA5EYP	"	31,266	216	33	59
EA3FXM	"	10,296	114	13	39

Sweden

SM2EKM	**A**	**1,155,099**	**1551**	**95**	**224**
SM5AOE	**"**	**1,127,997**	**1464**	**85**	**225**
SM3BIZ	"	933,258	1198	88	239
SMØJOQ	"	166,692	425	54	120
SMØBDS	"	132,660	315	57	123
SM7DXQ	"	110,600	286	53	105
SM4BTF	"	65,236	288	31	63
SM4GTB	"	50,830	280	35	95
SM5AWR	"	45,408	208	35	51
SM5PPS	"	29,546	172	28	51
SM4AWF	"	22,774	141	26	33
SK3AH	"	19,635	165	20	31
SM7FHJ	"	16,046	80	31	40
SMØHBV	"	1,617	25	13	20
SM7ABL	"	1,275	25	9	8
SMØAJU	**28**	**988,974**	**2131**	**38**	**129**
SM5IMO	**"**	**948,412**	**2092**	**38**	**126**
SM6BJI	"	621,777	1478	39	110
SM2KWQ	"	350,520	1212	32	88
SM5GLC	"	326,937	1375	27	56
SM2LWU	"	249,002	1033	31	91
SM7KIL	"	238,830	909	29	66
SM7WT	"	211,196	510	38	110
SM5IWC	"	74,336	300	26	66
SM5BDA	"	65,669	263	29	68
SM6KQK	"	39,618	214	20	51
SM6CNX	"	38,745	143	28	77
SMØMC	"	25,134	156	21	38
SM7CNA	"	22,077	93	29	70
SM2CDF	"	15,372	99	9	75
SM6ID	"	15,322	148	18	29
SM6BSK	"	14,868	80	23	40
SM2PYN	"	14,100	164	16	31
SM4HEJ	"	13,056	74	22	46
SMØFM	"	12,495	129	15	20
SM2RJK	"	6,045	75	11	20
SMØCGO	"	4,557	64	14	17
SM4CMG	"	1,050	18	9	16
SM6IJF	21	12,144	199	15	31
SM7HSP	"	3,014	73	8	14
SM7TV	**14**	**28,900**	**264**	**17**	**51**
SMØBVQ	"	27,268	200	18	50
SM3LIV	"	24,840	201	19	53
SM6IY	"	9,333	129	13	38

Switzerland

HB9AAA	**A**	**770,250**	**997**	**93**	**232**
HB9DLE	"	549,712	692	100	244
HB9ATM	"	504,360	686	94	266
HB9DCO	"	424,270	723	80	239
HB9BOU	**28**	**552,860**	**1452**	**36**	**104**
HB9DCZ	"	43,335	203	23	58
HB9ZY	**21**	**315,876**	**890**	**33**	**99**
HB9DX	"	21,120	85	28	82

Wales

GW4BLE	**A**	**5,235,428**	**3936**	**127**	**357**
GW8ARK	**"**	**2,137,248**	**2575**	**95**	**274**
GW4FHW	"	1,227,290	1408	93	277
GW5NF	**28**	**192,654**	**741**	**30**	**69**
GW3NYY	"	185,768	772	25	63
GW4VHO	21	21,861	170	20	43

Yugoslavia

YT3M	**A**	**2,517,997**	**2483**	**102**	**287**
			(Opr YU3DBC)		
YU7BJ	**"**	**1,266,900**	**1336**	**112**	**298**
YU3QI	"	731,608	802	112	325
YT2IJ	"	601,916	930	83	249
YU4EGL	"	12,810	273	15	27
YU7KM	"	6,592	70	20	44
YU1PQI	"	684	12	8	11
YU3ZV	**28**	**1,541,603**	**3219**	**39**	**134**
YU3C	**"**	**1,020,600**	**2176**	**39**	**129**
			(Opr YT3RM)		
YU3MA	"	639,009	1549	37	110
YU7GW	"	450,364	1179	37	111
YU3EF	"	345,150	1010	32	86
YU7FT	"	125,100	473	29	71
YU7AE	"	23,045	193	18	37
YU7SF	"	21,528	215	11	28
YU4XA	"	14,016	106	17	31
YT3AA	**21**	**1,423,275**	**3020**	**39**	**136**
4N2E	**"**	**1,303,808**	**2900**	**39**	**137**
			(Opr YU2RA)		
YT6AA	**"**	**1,203,238**	**2718**	**39**	**140**
YT3L	"	983,296	2074	39	145
			(Opr YU3EA)		
YU3PV	"	852,150	2133	37	103
YU3BO	"	850,698	1948	39	128
YU1NR	"	366,223	1101	33	110
YU2WJ	"	31,262	152	26	51
YT7KW	"	19,860	161	17	41
YU2CAH	**14**	**73,696**	**509**	**25**	**69**
			(Opr YT2BU)		
YU7YZ	"	16,302	121	13	44
YT7A	**7**	**198,882**	**954**	**28**	**99**
			(Opr YU7GO)		
YU4VO	**"**	**168,942**	**1054**	**28**	**83**
YT2B	"	121,686	845	23	79
			(Opr YU2NK)		
4N1A	**3.7**	**116,309**	**653**	**22**	**85**
			(Opr YU1YV)		
YT3AW	**"**	**65,892**	**679**	**16**	**60**
YU3OJ	"	56,161	527	15	56
YT2KK	"	792	36	5	17
YU3MM	**1.8**	**29,169**	**374**	**11**	**52**

UNION OF SOVIET SOCIALIST REPUBLICS

Byelorussia

UC2AAX	**A**	**215,450**	**611**	**53**	**142**
RC2AU	"	51,175	261	35	80
UC2AAD	**28**	**114,000**	**399**	**34**	**86**
UC2AIU	"	48,962	240	25	69
UC2WAZ	"	11,649	111	12	28
UC2WO	"	11,114	164	9	19
UC2OM	"	2,808	40	11	28
UC2AB	"	1,218	60	3	4
UC2OE	**21**	**458,028**	**1401**	**35**	**112**
UC2OOB	"	33,957	287	16	47
UC2WL	"	11,448	212	18	36
RC2CC	**14**	**49,560**	**270**	**25**	**59**
UC2WJ	"	425	15	10	15
UC2AFA	**3.7**	**38,445**	**606**	**10**	**45**

Estonia

UR2QD	**A**	**1,693,105**	**2011**	**99**	**219**
UR2RMC	**"**	**531,508**	**823**	**86**	**270**
UR2RNG	**"**	**114,480**	**516**	**35**	**124**
UR2RCU	**"**	**15,811**	**64**	**40**	**57**
UR2RER	**"**	**15,741**	**66**	**39**	**60**
UR2RHF	**"**	**2,345**	**23**	**15**	**20**
UR2RCD	**28**	**38,159**	**231**	**23**	**47**
UR2RC	"	16,984	111	27	61
UR2RE	**14**	**787,064**	**2309**	**35**	**112**
RR2RN	7	3,081	39	11	28

European Russia

RU1DZ	**A**	**3,348,450**	**3370**	**115**	**335**
UA3RAR	**"**	**2,222,353**	**2252**	**104**	**309**
UA6ADC	**"**	**1,751,607**	**2040**	**115**	**314**
RA1AA	**"**	**819,325**	**1473**	**76**	**249**
UA3AB	"	668,655	951	91	260
UA4UBC	"	569,126	927	86	237
UW3RR	"	466,620	626	65	175
UA3DRB	"	431,713	554	102	247
UA4NC	"	349,272	638	76	232
UA3ZH	"	327,752	729	65	147
RA3VA	"	204,256	496	56	152
UW1AE	"	186,880	399	71	185
UV3DN	"	176,575	631	51	124
RA3QW	"	169,740	352	65	141
UW6LC	"	138,528	376	51	93
UA4NCI	"	137,560	374	57	133
UV6AY	"	136,488	437	54	134
RA3DAC	"	113,735	496	30	85
RW3DF	"	113,484	223	68	125
UA4AHA	"	84,816	364	38	114
RZ3DZ	"	80,227	273	41	116
UA1ANA	"	79,032	229	47	131
UA1OGH	"	70,725	247	41	74
UA3TN	"	63,676	207	54	109
RA3RN	"	58,776	289	27	66
UZ3AC	"	46,057	243	70	102
UA3LAR	"	42,090	150	45	77
RA6AZL	"	41,396	211	32	54
UV3ACQ	"	38,003	207	62	27
UA3TU	"	34,375	103	51	74
RA3QR	"	28,336	152	35	57
UZ3AF	"	26,775	140	28	47
RA3QUA	"	20,646	102	24	50
UZ3YWB	"	17,836	102	31	60

Say You Saw It In CQ

UA6YJA	"	16,400	179	28	64
UW4NH*	"	12,312	58	31	45
UA4CM	"	11,505	76	23	36
UA3LDZ	"	10,648	123	28	63
RA3VR	"	3,948	34	19	23
UA3DBX	"	1,160	18	12	17
UA3RNI	"	690	26	7	16
UA6LQ	**28**	**690,219**	**2044**	**37**	**122**
UA1AUU	**"**	**70,143**	**258**	**27**	**76**
UA3XAL	"	44,820	225	28	62
UA4PKN	"	35,035	233	20	57
UV3HD	"	33,834	277	18	40
UA3CMS	"	30,567	256	24	45
RW3ZA	"	28,512	219	22	44
UA3XBB	"	24,426	169	20	49
UA1CK	"	19,812	94	26	52
UV3QA	"	18,348	144	17	49
RV6AF	"	13,364	233	18	34
RA6ACY	"	5,888	57	14	32
UA3TAM	"	5,220	113	7	29
UA6XHI	"	3,219	111	6	23
UA4ACP	"	1,924	123	8	18
UV6AGF	"	779	21	8	11
RA6ASB	"	576	64	5	6
UA6YHF	"	540	45	2	2
UA4PK	**21**	**627,843**	**1731**	**39**	**118**
RA4CC	**"**	**230,280**	**793**	**33**	**87**
RA3QOC	"	103,750	585	28	78
UW3EC	"	92,875	390	30	95
RA6LW	"	66,870	357	27	63
UA4CKC	"	63,700	333	29	62
RA3AOD	"	62,677	339	24	65
RA3DNC	"	58,098	437	17	52
RA1AW	"	51,459	358	19	51
UW6NU	"	28,728	222	22	52
U1BA	"	23,045	271	14	41
UA6YAV	"	21,798	186	19	44
RA3DJA	"	19,363	203	17	50
UA3EAT	"	11,438	116	14	29
RA3ZB	"	10,974	178	17	45
RA1AL	**14**	**270,474**	**1041**	**33**	**89**
UA4FZ	"	127,540	394	36	104
UA3TG	"	104,236	370	29	74
UW3TY	"	92,011	411	26	75
UV1AQ	"	78,213	445	26	67
UA3PP	"	67,745	510	22	63
UA3ST	"	31,152	134	24	64
UA1QBV	"	28,872	236	18	54
RA3QA	"	712	11	11	11
UA1AUA	7	1,428	41	7	21
UA3XAW	**3.7**	**13,867**	**230**	**9**	**40**
UA3EAX	**1.8**	**4,110**	**109**	**7**	**23**
UA4CCC	"	2,072	74	6	22

Kaliningrad

RA2FB	**A**	**70,533**	**261**	**45**	**108**

Latvia

UQ2GD	**A**	**3,313,956**	**3031**	**121**	**350**
UQ2GA	**28**	**230,056**	**671**	**31**	**97**
UQ2GIZ	"	96,615	400	26	69
UQ2GN	"	68,931	429	19	62
UQ2GCP	"	40,256	325	19	49
UQ2CR	**21**	**14,749**	**172**	**14**	**35**
UQ2PP	"	8,722	116	15	26
UQ2GCA	"	8,544	96	7	41
UQ2GIP	**14**	**41,952**	**294**	**21**	**55**
UQ2GLQ	"	945	18	11	16
UQ2GGE	**3.7**	**14,750**	**267**	**9**	**41**
UQ2GNL	"	9,495	186	9	36

Lithuania

UP3BA	**A**	**4,435,218**	**3882**	**119**	**335**
UP2CY	**"**	**1,889,735**	**2298**	**84**	**251**
UP3BH	**"**	**1,293,486**	**1540**	**94**	**292**
UP2BR	"	761,400	845	89	287
UP2DM	"	590,548	1066	62	200
UP3BU	"	443,874	1204	46	128
UP3BO	"	266,954	583	70	184
UP3BP	"	253,305	504	69	126
UP2PAQ	"	155,550	523	45	138
UP2BIC	"	145,275	508	52	143
UP2BGG	"	44,408	273	26	65
UP2BKP	"	33,120	160	28	62
UP3BY	"	25,149	176	27	74
UP2BLF	"	23,000	181	21	47
UP2PBM	"	2,052	38	14	22
UP2OU	**28**	**541,976**	**1347**	**36**	**112**
UP1BWW	"	318,351	980	31	90
			(Opr UP2BIJ)		
UP2BZ	"	60,075	286	28	61
UP2BON	"	10,850	73	29	78
UP2BIS	**21**	**171,414**	**718**	**29**	**78**
UP2ND	"	34,293	243	23	46
UP2PCK	"	5,084	97	10	21
UP2BN	**14**	**49,200**	**387**	**21**	**54**
UP2BHA	**7**	**8,096**	**146**	**10**	**36**
UP2SA	**3.7**	**26,904**	**359**	**10**	**47**
UP2BHM	"	7,828	101	7	31
RP2BKB	**1.8**	**1,472**	**64**	**4**	**19**

Moldavia

UO5ONQ	**A**	**342,930**	**941**	**55**	**155**
RO4OA	**21**	**281,917**	**934**	**38**	**113**
RO4OW	"	3,922	61	10	27
UO5GR	**3.7**	**8,517**	**145**	**10**	**41**
UO5OLW	"	5,580	141	6	30

Ukraine

UB4MM	**A**	**1,014,738**	**1543**	**91**	**227**
UT4UX	**"**	**981,120**	**1301**	**102**	**262**
RB5IIU	"	407,272	914	65	210
UT5RY	"	396,047	866	57	154
RB5IQ	"	274,480	522	71	164
RB5VT	"	271,582	579	69	182
UY5TE	"	261,072	758	57	105
RB5SA	"	237,896	720	59	168
UB5JJR	"	234,600	538	63	167
UB5III	"	218,925	519	73	152
UB4JDM	"	170,628	460	42	145
UB5MQF	"	166,740	513	52	139
UT4UM	"	153,698	611	36	98
UB5HEX	"	114,321	284	47	112
RB5AE	"	102,226	251	37	121
UB5CGN	"	94,248	292	58	110
UB5TCJ	"	69,237	235	47	100
UB5MLP	"	66,300	180	62	108
RB4MS	"	62,464	331	30	92
UB5WCV	"	59,150	329	31	99
RB5HT	"	37,260	98	55	83
UB5KN	"	30,250	101	43	67
UB5EPV	"	28,667	185	30	79
UB5FHU	"	25,254	140	43	26
RB5TK	"	19,412	116	23	40
UB5TDX	"	14,553	113	16	33
UT5HP	"	6,486	39	33	36
UB5WBJ	"	4,482	75	12	41
RB5MLL	"	2,736	49	11	36
UB5ZAB	**28**	**292,820**	**1050**	**33**	**88**
RT5UO	**"**	**108,100**	**490**	**28**	**69**
RB4IUM	"	60,390	265	26	69
UB5TEX	"	60,277	318	25	54
RB5CCO	"	47,974	260	25	58
UB5CJP	"	43,859	317	15	46
UB5QQG	"	29,696	249	14	39
UB5CCP	"	22,000	91	41	69
UB5QW	"	6,708	73	13	30
UB5EAZ	**21**	**226,984**	**789**	**37**	**99**
RB5IA	**"**	**163,748**	**604**	**35**	**99**
RB5TU	"	126,222	601	30	79
UB5ILW	"	73,332	311	28	80
UB5VEF	"	56,794	399	19	54
UB5TN	"	24,219	179	20	49
RB5ICY	"	24,156	223	17	44
UB5EOM	"	4,823	37	21	32
UB5AJP	"	315	21	5	10
UY5ZM	**14**	**314,531**	**1213**	**33**	**98**
UT4UU	"	244,350	971	33	102
RB5LQ	"	181,026	693	36	100
UB0JZ	"	144,785	698	29	86
RB5EE	"	18,200	136	16	36
RB4IWM	**7**	**39,360**	**279**	**22**	**58**
RB5DX	**3.7**	**76,964**	**1022**	**15**	**56**
UB5IFN	"	40,256	394	15	59
RB5WA	"	25,440	373	9	51
RB4MAM	"	20,910	346	8	43
UB5IKB	"	16,016	230	10	46
UB5IUA	"	10,890	150	12	43
UB5ZHQ	**1.8**	**6,644**	**154**	**7**	**37**
RB5IGN	"	3,792	41	8	16
RB5EKI	"	1344	49	7	17
UB5EQG	"	350	28	3	11
RB5IOV	"	121	8	3	8

OCEANIA

American Samoa

KH8 /SM7PKK	**A**	**165,528**	**560**	**57**	**75**

Australia

VK2AYK	**A**	**406,326**	**611**	**92**	**149**
VK2KL	**"**	**398,846**	**676**	**79**	**138**
AX3SM	"	203,312	385	66	128
VK2PU	"	25,134	143	25	34
VK3DNC	"	17,802	81	36	50
VK1RJ	**28**	**238,290**	**1051**	**25**	**53**
VK4NJQ	"	156,420	520	34	65
VK2PS	"	5,336	42	15	31
VK2XT	21	19,170	97	25	46
VK2APK	**14**	**170,109**	**483**	**34**	**89**

Brunei

V85RM	**A**	**21,624**	**279**	**33**	**35**
V85NR	14	3,292	228	20	29

Cocos-Keeling Island

VK9YG	**A**	**3,671,258**	**2999**	**128**	**303**

Eastern Malaysia

9M6HF	**A**	**267,358**	**840**	**49**	**64**

Fiji Islands

3D2VV	**A**	**6,687,564**	**4901**	**152**	**337**
			(Opr DH2BAZ)		

French Polynesia

FO5IW	**A**	**1,787,465**	**2144**	**107**	**182**

Guam

KG6DX	**A**	**5,389,958**	**4232**	**137**	**300**

KD7P /NH2	**28**	**2,309,304**	**4885**	**38**	**123**
KH2D	1.8	0	1	1	1

Hawaii

WR6R /KH6	**A**	**5,016,000**	**4112**	**144**	**274**
KH6GMP	"	5,200	45	23	29
K6GSS /KH6	**28**	**1,578,698**	**3704**	**36**	**110**
KH6VP	"	134,688	490	29	63
AH6IM	"	38,040	229	24	36
KH6IMB	**21**	**61,974**	**332**	**26**	**40**
KH6FKG	**14**	**437,115**	**1316**	**34**	**81**
KH6CC	**1.8**	**17,115**	**273**	**9**	**12**

Indonesia

YB0ARA	**A**	**3,018,032**	**2459**	**133**	**291**
YB3ASQ	**"**	**2,533,476**	**2354**	**122**	**252**
YB5QZ	"	897,672	942	105	226
YC8RFF	"	207,726	673	80	252
YC5ODD	"	66,054	216	29	80
YC2BKJ	"	22,962	95	32	98
YE2ZE	**28**	**494,505**	**1275**	**34**	**66**
			(Opr YB2CTW)		
YC8VFB	"	37,985	190	28	43
YC2UKM	**21**	**314,571**	**776**	**40**	**101**
YC8ROC	**"**	**240,514**	**776**	**34**	**61**
YC8VCN	"	145,403	524	32	65
YC1JNJ	"	40,275	192	29	72
YC5PG	"	38,845	158	24	46
YC8RWA	"	24,140	124	27	44
YC5OH	"	14,975	113	15	38
YC2JWB	"	13,671	80	25	43
YC2UIJ	"	12,760	57	25	38

Mariana Islands

KH0 /JH0USD	**A**	**2,862,720**	**3351**	**94**	**194**
KH0 /JR0NBB	28	158	52	1	1
KH0 /JA0GZ	21	6,060	102	8	12

Marshall Islands

KX6DC	**3.7**	**71,852**	**366**	**29**	**43**
			(Opr NZ8B)		

New Zealand

ZL1IM	**A**	**92,070**	**340**	**47**	**52**
ZL3GQ	**28**	**227,856**	**556**	**37**	**104**
ZL1AIZ	"	10,680	68	21	39

Papua New Guinea

P29HS	A	2,640	29	23	25

Philippines

K4YT/4I	**A**	**3,706,000**	**2961**	**144**	**292**
4F1JZ	"	522,166	834	92	170
DU1KWT	**28**	**248,559**	**974**	**30**	**57**
DU3AAL	"	204,164	818	30	59
KB6SHL /DU7	21	15,631	186	13	16

Tuvalu

T28RK	**21**	**431,562**	**1487**	**33**	**69**
			(Opr K8JRK)		

Vanuatu

YJ0RY	**A**	**8,970,328**	**6429**	**144**	**370**
			(Opr OH1RY)		

SOUTH AMERICA

Argentina

L7D	**A**	**1,196,160**	**1939**	**73**	**137**
			(Opr LU9DBK)		
LU7MAO	"	51,165	147	50	85
LT8WW	**28**	**1,930,500**	**3632**	**38**	**142**
			(Opr LU6ETB)		
LS1E	**"**	**1,555,212**	**3218**	**35**	**129**
			(Opr LU8DPM)		
LU1LDS	"	722,054	1646	35	114
LU7DP	"	650,160	1755	30	96
LU1UM	"	615,888	1670	33	95
LU8FDZ	"	204,600	748	26	67
LU4L	**21**	**948,437**	**2036**	**38**	**119**
			(Opr LU4LAV)		
LU3MDO	**"**	**612,750**	**1647**	**34**	**91**
LW1DLF	"	600,028	1499	36	107
LU1ICX	"	271,272	733	33	94
LL1YU/D	"	98,842	478	22	51
AZ4M	**14**	**1,060,332**	**2332**	**36**	**120**
			(Opr LU4MEE)		
LU8EIN	"	26,052	125	27	51
LU7ADN	7	480	21	8	8
LU2DVI /H	**1.8**	**663**	**28**	**7**	**10**

Aruba

P4BA	**A**	**10,103,709**	**5945**	**148**	**425**
			(Opr N1GL)		
P4BDX	**28**	**1,775,172**	**4084**	**33**	**114**
			(Opr AA4VK)		
P4BTL	**21**	**1,399,827**	**3290**	**33**	**110**
			(Opr WA4TLI)		

Brazil

PP5IA	**A**	**170,280**	**473**	**47**	**82**
PY3HLM	**"**	**126,450**	**301**	**50**	**100**
PY1ZT	"	23,830	138	63	79
PP5FI	"	1,325	19	11	14
PY1BJN	**28**	**612,495**	**1555**	**36**	**99**
ZY1ACV	**"**	**295,145**	**727**	**34**	**111**
PY2RVC	"	213,000	591	32	93
ZY4OY	**21**	**1,000,657**	**2087**	**38**	**125**
ZY1LI	**"**	**112,258**	**541**	**25**	**49**
PY2CLK	"	2,880	62	9	15

Chile

CE3BFZ	**A**	**2,628,067**	**2364**	**120**	**257**
CE1HBI	"	120,139	238	68	123
CE1HIK	"	45,036	118	61	101
CE6EZ	**28**	**1,630,044**	**3395**	**37**	**125**
CE4FXY	**"**	**1,253,994**	**2901**	**37**	**109**
CE3DNP	"	671,574	1761	35	94
CE2HI	"	574,660	1645	32	86
CE3NR	"	508,788	1362	32	94
CE3ZI	"	349,870	1016	31	87
CE2BFR	"	66,975	393	17	40
CE3AEZ	"	8,064	20	8	18
CE1BSV	**14**	**89,745**	**379**	**36**	**57**
CE1DOF	**"**	**58,250**	**222**	**28**	**67**
CE5BSS	"	5,000	50	17	23

Colombia

HK3BED	**A**	**2,474,603**	**2397**	**107**	**244**
HK7MQC	"	114,444	284	42	111
HK3MAH	"	9,100	65	31	39
HK7DOX	"	3,100	32	19	31
HK7IMA	"	2,738	28	13	24
HK6IKV	**28**	**183,556**	**794**	**23**	**65**
HK3NTI	**21**	**45,864**	**205**	**24**	**60**
HK1LDG	**14**	**924,255**	**2216**	**33**	**108**

Easter Island

CE0ZIJ	**14**	**749,321**	**1733**	**38**	**111**

Ecuador

HC5J	**A**	**9,358,202**	**6067**	**139**	**382**
			(Opr N6TJ)		
HC1HT	**28**	**169,834**	**707**	**23**	**75**
HC1DK	"	30,680	163	12	53

Galapagos Islands

HD8DZ	**28**	**1,227,344**	**2705**	**35**	**123**
			(Opr HC2DZ)		
K2JF /HC8	**14**	**220,605**	**717**	**31**	**74**

Guyana

8R1RPN	**7**	**353,956**	**1133**	**22**	**85**

Netherland Antilles

PJ2FR	**A**	**10,692,318**	**6621**	**145**	**401**
			(Opr N6KT)		

Paraguay

ZP5Y	**21**	**2,525,791**	**4442**	**38**	**155**
			(Opr ZP5JCY)		
ZP7CO	**14**	**6,200**	**50**	**16**	**34**

Peru

OA4ZV	**A**	**1,854,875**	**1726**	**115**	**260**
OA4AV	**"**	**6,206**	**44**	**24**	**34**

Surinam

PZ5JR	**A**	**595,441**	**805**	**77**	**182**

Trinidad & Tobago

9Y4TT	**A**	**12,340,132**	**7150**	**151**	**436**
			(Opr NQ4I)		

Uruguay

CX4HS	**A**	**7,505**	**55**	**35**	**44**
CX2PI	**28**	**277,514**	**860**	**28**	**81**
CX6ABR	"	201,790	816	26	59
CX6BZ	**21**	**152,409**	**520**	**30**	**71**

Venezuela

YV5LAS	**A**	**249,964**	**442**	**71**	**138**
YV1FJE	"	5,623	91	19	26
YV7QP	"	3,552	32	19	29
4M5T	**28**	**1,126,536**	**2637**	**35**	**111**
			(Opr YV5JBI)		
YV5LMX	"	43,263	227	21	48
YV1ELM	**21**	**384,314**	**1371**	**28**	**69**
4M1G	"	258,793	713	32	105
			(Opr YV1CLM)		
YV5MBX	"	39,405	202	24	47
YX5A	**14**	**1,274,880**	**2718**	**35**	**131**
			(Opr YV5ANF)		
4M5Z	"	74,763	327	24	57
			(Opr YV5IZE)		

MULTI-OPERATOR SINGLE TRANSMITTER NORTH AMERICA

United States

K1NG	**4,994,176**	**2473**	**166**	**538**
K1TO	**4,662,828**	**2471**	**154**	**492**
KA1GG	**4,639,057**	**2789**	**142**	**427**
KA1RX	3,829,216	2477	151	393
K1ZM	3,235,050	1727	159	491
K1HI	1,756,531	1512	112	327
KB1RI	1,670,735	1423	105	302
AK1L	1,542,672	1246	105	327
KQ1F	1,527,509	1066	132	377
AK1A	1,328,041	1118	108	299
K1IU	1,200,195	947	115	332
N0II	941,018	753	122	320
K1GW	820,050	750	97	288
K1TR	753,666	740	93	261
W1XN	743,898	781	93	225
W1BK	691,527	705	99	254
KC1EO	646,559	641	89	270
NK1I	581,845	581	92	263
KT1O	550,128	618	95	219
N1TZ	493,705	517	94	243
N1AU	436,800	492	89	231
KC1BG	367,786	432	84	223
NB1Y	307,476	444	64	170
W1AQ	288,540	495	55	155
W1OP	284,211	510	58	149
W1GG	273,760	337	100	195
WB1DGV	228,912	361	78	150
W1XS	158,704	314	63	119
W1JR	149,400	237	61	164
N1COF	104,988	260	61	95
N2RM	**6,923,136**	**3378**	**161**	**543**
N2MG	**5,003,050**	**2682**	**143**	**507**
W2GD	**4,903,118**	**2247**	**154**	**528**
N2BA	4,067,045	2385	143	446
W2REH	3,257,850	2007	137	418
KQ2O	1,653,184	1366	104	312
WE2K	1,450,848	1374	114	267
K2OP	743,700	850	87	213
W2LI	641,080	657	96	245
WG2E	65,001	175	49	92
K2TD	32,857	114	30	73
N3RS	**5,242,974**	**2687**	**157**	**521**
K3WW	**3,105,170**	**1843**	**149**	**441**
K3PA	**2,239,150**	**1688**	**122**	**353**
N3ARK	1,350,832	1196	101	291
K3VW	1,165,104	1085	100	272
N3BNA	1,145,242	902	122	335
NN3Q	1,139,152	1063	109	283
K3IVO	1,122,852	973	107	304
KX3Q	1,052,256	953	104	284
K3ANS	1,015,994	852	119	315
N3RR	971,080	790	126	314
W3NX	889,546	793	107	299
KW3Z	884,962	925	91	246
KD3IY	874,650	894	97	246
W3MA	685,314	717	93	240
NA3K	660,620	693	92	248
N3HW	639,863	699	93	230
W3KWH	490,061	673	80	173
W3KV	355,446	449	78	195
WB3AVN	333,180	441	75	195
K3ND	229,600	300	92	188
WA3AFS	145,299	202	85	174
K3RL	92,274	196	56	113
WA3IBA	39,952	97	24	64
WA3IJZ	14,770	72	21	49
WA4OQV	**1,768,539**	**1431**	**124**	**313**
N4HOH	**1,700,558**	**1140**	**135**	**391**
W4NIM	716,943	703	100	253
KK4OK	575,050	643	88	222
W4LVM	543,752	570	98	236
WD4Z	326,656	455	73	182
N4SMB	96,170	289	45	118
WA4KIL	73,935	169	48	107
K4PR	30,848	96	47	71
KC4APT	13,640	86	18	37
W5WMU	**6,056,298**	**2932**	**167**	**544**
N3BB/5	**4,536,405**	**2518**	**154**	**467**
K5RVK	1,961,168	1550	125	359
K9MK/5	1,250,458	900	138	365
WB5E	1,102,418	980	121	312
W5LTR	784,960	896	102	218
N5JWP	621,675	750	89	218
W5EHM	562,596	596	103	243
WI5Z	512,710	600	90	205
WB5J	235,365	392	69	144
WE5P	194,496	514	31	102
W6TMD	**2,937,704**	**1957**	**148**	**384**
WB6OKK	**2,820,129**	**1995**	**145**	**356**
W6GO	**2,258,169**	**1587**	**145**	**374**
K6XO	2,009,034	1474	143	335
NY6Y	1,683,936	1409	129	303
KE6WL	1,227,581	1173	118	261
WA6IET	1,200,556	1204	118	253
WA6MSN	927,674	1153	87	196
W6REC	822,446	788	128	254
WA6AHF	696,391	681	118	255
WX6M	874,836	933	122	220
NF6S	524,244	599	104	212
KG6LF	416,052	505	95	159
KG6MY	351,288	432	92	214
N6CCL	343,100	471	99	193

Kevin, 9M2ZZ, arrived just in time for the CQ WW.

Steve, WB4OMM, shows the direction that contest logging is going. A computer and logging software and contesting paper chores become bearable.

PA2SWL always does well in the CQ WW.

K6MA	148,356	335	52	104
AJ6V	119,320	229	62	128
W6BIP	117,648	277	36	116
N6JV	106,096	255	46	106
WB2CHO/6	51,254	185	37	61
KA6ING	41,900	145	30	70
WA6HRK	26,410	112	42	53
K6SSS	703	13	8	11
KO7N	**4,079,140**	**2554**	**155**	**425**
NK7U	**2,474,640**	**1902**	**142**	**349**
N7RO	1,585,512	1173	143	345
NX7K	1,359,396	1310	103	266
WT7D	1,321,433	1180	118	271
K7ZM	1,085,707	1263	100	201
KZ7T	569,220	549	106	252
WA7G	515,888	593	90	214
WG7F	422,852	692	96	148
NO7F	370,293	652	82	147
WA7ECU	343,440	451	93	172
KC7V	337,221	493	94	173
K8CC	**6,020,844**	**2898**	**167**	**549**
WB8K	**4,354,514**	**2523**	**153**	**441**
N8CXX	3,756,452	2100	160	454
W8CAR	288,903	431	73	164
KS9K	**4,739,848**	**3000**	**126**	**410**
WØAIH/9	**3,685,000**	**2138**	**153**	**472**
KD9ST	1,624,928	1429	121	291
K9QXY	1,129,992	1001	111	283
W9JZ	1,000,960	920	112	279
W9AWE	907,135	774	117	302
NX9T	579,384	675	90	222
W9YH	358,785	507	81	174
KD9MF	189,145	322	82	127
W9NAA	77,840	196	47	93
WD9FEN	72,960	249	37	77
WBØLEY/9	23,120	126	19	49
K4VX/Ø	**6,227,259**	**2984**	**170**	**549**
NØXA	**3,512,300**	**2293**	**150**	**400**
KRØU	3,228,720	2062	154	414
KØCS	1,948,914	1616	135	324
KZØC	1,614,419	1236	130	337
WDØFPY	929,568	930	109	259
KDØOZ	578,632	709	90	212
KØGAS	346,436	494	86	171
KEØA	34,218	190	31	71

Alaska

AL7FQ	**2,070,040**	**3132**	**93**	**187**
KL7CQ	1,758,276	3085	70	149

Barbados

8P9X	**13.989,181**	**7604**	**162**	**525**

Canada

VE6OU/3	**9,406,875**	**4851**	**176**	**549**
VE1ZJ	**6,627,234**	**4720**	**142**	**440**
VE5GF	**2,924,389**	**3368**	**113**	**264**
VE7SZ	**2,835,549**	**3033**	**122**	**265**
VE6AO	**1,558,280**	**1910**	**108**	**218**
VE1IDX	**1,233,408**	**1561**	**76**	**216**
VE8CRS	**587,125**	**1446**	**38**	**127**
VE3SPC	490,248	714	70	194
CH2FOT	329,670	667	64	121
VE4ATC	305,900	542	60	170
VE3UHM	119,850	403	28	74
VE2UMS	59,597	269	27	54

Cayman Islands

ZF2JR	**6,295,411**	**5613**	**127**	**336**

El Salvador

YSØYS	**3,203,232**	**3670**	**94**	**272**

Mexico

XE1HTR	**201,618**	**683**	**54**	**84**

St. Barthelemy Island

FJ5AB	**1,100,331**	**1890**	**173**	**76**

St. Lucia

J6LAH	**4,692,058**	**4113**	**118**	**343**

St. Maarten

PJØJ	**8,590,043**	**6210**	**137**	**402**

AFRICA

Canary Islands

EA8AGD	**17,172,672**	**8203**	**157**	**547**

The Gambia

C53FV	**270,336**	**692**	**43**	**89**

Tanzania

5H3GW	**459,146**	**781**	**71**	**131**

ASIA

Cyprus

5B4ES	**2,457,000**	**2641**	**79**	**243**
W6KG/5B4	**1,292,720**	**1550**	**67**	**219**

Hong Kong

VS6DO	**4,142,385**	**4127**	**149**	**336**

India

VU2IIT	**267,904**	**553**	**77**	**147**

Israel

4X3Q	**2,882,982**	**2875**	**95**	**271**

Japan

JE2YRD	**4,986,850**	**3133**	**151**	**399**
JA3YBF	**4,838,778**	**3392**	**147**	**352**
JA8YBY	**3,317,760**	**2411**	**141**	**339**
JA7YAA	**3,168,726**	**2447**	**122**	**329**
JAØYAK	**1,668,702**	**1463**	**122**	**280**
JA3YDS	1,624,124	1631	115	231
JA6YBR	**1,226,692**	**1493**	**101**	**191**
JE3ZFS	1,198,314	1192	119	232
JA7YFJ	1,110,774	1228	104	214
JH1YHS	**727,517**	**860**	**100**	**201**
JA6YAI	551,552	702	94	184
JA5YAV	**428,064**	**722**	**78**	**130**
JA1ZEQ	325,784	567	83	128
JA5YAP	299,744	468	77	155
JA3YOD	281,430	548	74	103
JA9YAV	**239,199**	**434**	**86**	**127**
JA2YEF	198,605	444	57	100

Mongolia

JT1KAA	**74,646**	**475**	**39**	**60**

Peoples Republic of China

BY1PK	**2,413,672**	**3315**	**97**	**195**
BY4SZ	**1,287,900**	**1822**	**106**	**212**
BY4AA	947,681	2115	94	165

Thailand

HSØA	**5,320,172**	**4028**	**141**	**383**

Vietnam

3W8DX	**5,972,651**	**5539**	**135**	**344**

U.S.S.R

Asiatic Russia

UZ9JWR	**5,448,573**	**3687**	**139**	**376**
UZØCWA	**4,775,814**	**3480**	**156**	**375**
UZ9CWW	**4,341,190**	**2688**	**143**	**416**
UZ9CXE	1,625,130	1738	94	257
UZØQWT	1,553,706	1602	116	297
UZ9JWJ	1,278,600	1527	78	222
UZ9CYP	1,099,176	1188	92	246
RZ9OWA	870,336	1101	95	233
UZØWWP	720,194	1050	91	202
UA9UWM	706,153	1154	97	184
UZ9MWJ	298,450	869	68	167
UZØSXF	242,027	573	50	123
UZ9XWH	226,080	490	47	133
UZØOWA	187,299	419	74	115
UZ9CXX	120,285	297	54	108
UZ9FWQ	111,381	315	39	98
UZ9XWV	93,019	219	51	116
RA9CVC	84,724	352	31	87
UZ9YXI	6,938	50	25	44

Georgia

UF7FWM	**126,440**	**369**	**39**	**106**

Kazakhstan

RL1P	**10,551,325**	**5612**	**175**	**544**
UL8LYA	**6,880,783**	**4184**	**145**	**436**
UL8LWA	2,034,070	1879	111	279
UL8GWW	901,589	1178	113	198
UL8CWW	881,232	1250	78	186
UL8GWC	22,400	147	27	53

Tadzhikistan

UZ9OWM /UJ7K	**2,009,700**	**2121**	**82**	**233**

Turkmenistan

UH9HWB	**866,987**	**1163**	**76**	**193**
UH9AWE	54,000	192	32	76

Uzbekistan

UI9BWE	**1,226,625**	**1275**	**106**	**269**
UI9BWF	308,763	527	63	140

EUROPE

Andorra

C3ØDSA	**10,165,779**	**6312**	**151**	**512**
C3ØDFQ	2,819,054	2958	140	287

Austria

OE5XRL	**1,274,548**	**1446**	**102**	**230**
OE3GEA/3	321,745	852	59	170

Azores

CU2ARA	**3,870,162**	**3616**	**109**	**313**

Balearic Islands

EA6WH	4,818	55	20	40

Belgium

ON6NL	**4,465,240**	**3457**	**133**	**421**
ON4AMI	**2,739,628**	**3094**	**98**	**248**
ON6AH	**2,604,504**	**2663**	**114**	**312**
ON5GQ	2,268,224	2277	107	320
ON7UN	2,147,635	2819	91	210
ON6BR	524,210	849	79	231
ON6OR	254,716	708	44	110

Bulgaria

LZ9A	**10,490,675**	**5081**	**193**	**652**
LZ5Z	**4,337,316**	**3584**	**148**	**428**
LZ1KXA	2,806,320	2486	118	410
LZ1A	2,764,309	2792	127	352
LZ1KVZ	1,589,035	2074	111	304
LZ1KAZ	13,356	124	25	59

Czechoslovakia

OK7MM	**9,507,142**	**5242**	**168**	**545**
OK5W	**7,960,596**	**4516**	**153**	**526**
OK2RAB	1,389,052	1817	100	273
OK1ORA/p	697,392	1163	95	239
OK2KLI	487,542	1109	67	200
OK1KOJ	396,606	619	86	180
OK1OFM	326,551	675	71	180
OK2KOD	308,250	654	65	160
OK2KHD	233,772	637	62	169
OK1KSZ	219,240	691	71	118
OK3KGX	123,820	531	40	113
OK2KYC	89,304	427	36	86
OK1KNR	54,484	306	34	72
OK2KVI	45,600	203	35	60
OK2KUB	40,290	187	39	119
OK3KSK	33,040	153	25	51
OK2OAY/p	14,278	136	14	24
OK3KYH	11,895	161	16	45
OK5MVT/p	10,360	120	19	55
OK2KDS	8,056	90	13	25
OK1KCF	6,384	58	20	37
OK2KMR	6,125	85	9	26
OK2KPS	5,085	75	13	32
OK1KQY	2,080	36	7	19
OK1OPT	1,616	15	8	14
OK2KFK	589	27	5	14

Denmark

OZ3FYN	3,164	50	11	17

England

G3NAS	**4,406,754**	**3495**	**130**	**376**
GB75CQ	**3,553,440**	**3680**	**116**	**324**
G4PKP	2,412,000	2616	108	292
G3CSR	12,599	120	17	26

Federal Republic of Germany

DJ4AX	**5,286,368**	**3514**	**148**	**436**
DJ8RR	**4,298,014**	**3208**	**128**	**395**
DL3NCI	**3,702,594**	**2552**	**138**	**459**
DLØJK	3,333,399	3052	122	369
DK6WL	3,136,002	2492	131	407
DLØWU	2,860,925	2999	99	262
DFØRR	2,603,140	2470	120	340
DLØTD	2,436,980	2469	107	305
DLØWH	2,424,652	2314	108	350
DFØAT	2,321,520	2353	106	302
DLØUM	2,204,160	2292	100	310
DFØBV	2,142,112	1649	129	382
DJ1OJ	2,121,930	1766	125	397
DF2RG	1,984,335	1653	124	379
DKØIN	1,854,090	2249	105	273
DLØER	852,110	1314	71	188
DKØRD	361,368	793	64	175
DFØXZ	87,508	187	54	113

Finland

OH5NQ	**6,013,480**	**4954**	**156**	**487**
OH7AB	**6,437,927**	**3811**	**162**	**491**
OH8TA	919,336	1518	78	170

France

F6BEE	**7,442,730**	**4602**	**149**	**466**
F6IFR	**3,410,637**	**3052**	**117**	**336**
FF6KPQ	798,694	1529	66	155
FF2LY	463,256	707	87	229
TO7TSE	436,320	1698	30	78
F6ENV	28,500	147	32	44

German Democratic Republic

Y43K	**9,959,275**	**6141**	**157**	**498**
Y22YD	**2,944,920**	**3080**	**108**	**332**
Y49CF	189,873	503	58	161
Y72CM	22,140	144	33	57

Hungary

HG5A	**10,691,254**	**6235**	**164**	**543**
HG6N	**8,802,574**	**5299**	**154**	**528**
HG9R	**8,167,094**	**5391**	**156**	**506**
HG1S	7,835,450	6157	141	469
HG8Q	5,240,544	4022	148	484
HA5KKC	4,167,112	3539	122	364
HA4KYN	1,375,144	1939	93	239
HA8KCK	1,373,814	1792	96	255
HA3KGC	1,118,096	1829	78	190
HA6KVB	782,536	1534	64	168
HA1KZU	460,136	949	63	163
HA6KNX	413,709	869	64	175
HA2KMR	388,920	889	57	153
HGØD	100,147	322	43	94
HA7KNT	4,900	69	11	17

Italy

IR4LCK	**13,157,568**	**6182**	**184**	**678**
I2EOW	**4,936,530**	**3501**	**144**	**446**
IV3JWR	2,027,340	1887	109	311
IK8ERL	1,629,054	1694	117	324

Liechtenstein

HBØ/DF1JC	**3,563,200**	**2931**	**119**	**425**

Luxembourg

LX9BV	**5,931,600**	**4608**	**143**	**457**

Netherlands

PAØKHS	**2,316,861**	**2859**	**101**	**280**
PI4VNW	1,652,826	2348	88	234

Norway

LA2AB	**4,374,510**	**3701**	**133**	**385**
LA1H	1,872,276	1967	115	319

Poland

SP5KVW	**2,283,477**	**2342**	**105**	**308**
SP9KJT	1,428,471	2003	81	226
SP9PEY	1,188,290	1743	92	267
SP5PBE	1,080,678	1459	105	277
SP9PKR	153,080	421	60	118
SP9PDJ/9	31,104	248	28	68
SP9ZHR	13,616	152	15	59
SP3KPN	5,624	61	16	22

Sardinia

ISØAEQ	**2,559,600**	**2762**	**107**	**288**

Scotland

GMØIZS	**145,281**	**799**	**24**	**55**

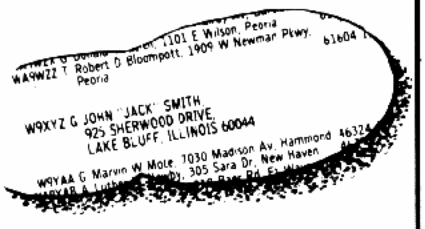
Spain

EA7CFW	**3,973,392**	**3073**	**119**	**373**
ED3MM	**3,495,270**	**3511**	**112**	**331**
EA3EHE	2,921,050	2676	117	353
ED3QD	2,048,502	2589	101	265
EA1MC	1,315,248	1019	75	189
ED7RKC	604,500	1014	85	215
EA2XX	441,738	736	80	211

Svalbard

JW5E	**925,680**	**1447**	**93**	**187**

CALLBOOK SPECIAL LISTINGS



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CIRCLE 55 ON READER SERVICE CARD

Sweden

SM5GMG	**5,487,300**	**4014**	**131**	**394**
SK2QG	**1,475,584**	**2194**	**100**	**252**
SK5DB	521,374	1060	60	163
SK6AW	356,916	730	58	138
SK7NK	184,408	510	52	126
SK7BV	130,313	363	56	95
SMØBGM	90,153	281	41	118

Switzerland

HB9H	**1,834,767**	**2192**	**123**	**350**
HB4FE	444,720	1096	65	153

Yugoslavia

YT3T	**4,003,740**	**3242**	**128**	**394**
4N2D	**2,633,400**	**2754**	**103**	**282**
YU3AI	2,325,334	2445	105	313
YT4D	654,815	1411	72	193

U.S.S.R.

Byelorussia

UC1AWC	**1,131,996**	**1592**	**99**	**259**
UC1WWF	105,952	303	53	101
UC1AWP	9,450	92	19	44

Estonia

UR1RWX	**5,555,522**	**3963**	**149**	**432**
UR1RWO	501,193	867	77	176
UR1RWL	125,451	560	40	119
UR1RYA	22,320	187	18	42

European Russia

UZ6LWZ	**2,700,324**	**2060**	**152**	**442**
RW4LYL	**2,045,825**	**2180**	**128**	**347**
UZ6LXZ	**1,509,178**	**2053**	**92**	**270**
UZ4HWS	1,270,572	1810	97	242
UZ4WWK	1,053,665	1389	94	265
UZ3QWX	987,819	1487	99	258
UZ4AXN	756,218	1083	81	281
UZ6HXK	673,792	1500	64	192
UZ4PWY	657,804	1230	78	209
UZ3PXJ	502,656	1255	65	166
RZ6AYQ	431,200	981	69	211
UZ4WWB	287,850	952	41	109
UZ1TWB	175,080	793	31	89
UZ1ZWO	165,360	398	56	100
UZ3QYA	160,527	456	64	155
UZ3VWL	120,032	444	44	132
UZ3DXS	91,080	333	42	90
UZ3XWM	75,544	329	34	99
UZ3YWH	55,660	205	37	78
UZ4FWA	49,000	200	39	86
UZ4HWZ	43,956	231	31	77
UZ3ZYD	31,581	179	28	59
UZ4AXQ	8,791	84	21	36
UZ1OWW	2,070	35	9	21

Kaliningrad

UZ2FWK	**40,800**	**442**	**18**	**62**

Karelia

UZ1NWP	**295,989**	**898**	**49**	**160**
UZ1NWO	155,681	494	43	108

Latvia

UO1GWW	**6,071,121**	**4014**	**152**	**457**
UOØA	**5,750,208**	**4508**	**146**	**457**
UO1GXJ	398,976	1027	57	135
UO1GXY	61,408	409	22	54

Lithuania

UP1BZO	**6,087,543**	**4892**	**148**	**479**
UP1BZG	3,334,830	2794	129	405
UP1BYK	1,254,830	1574	111	288
UP1BYC	21,000	122	31	44

Moldavia

UO4OXV	**2,557,884**	**2887**	**117**	**327**

Ukraine

UB3IWA	**5,411,448**	**3753**	**161**	**487**
UB4CYT	**4,403,828**	**3366**	**140**	**432**
UT4UXW	**4,184,635**	**3619**	**134**	**461**
UB4WZA	2,361,912	2302	120	356
UB4MWA	1,106,895	1518	90	237
UB2JWS	778,140	1397	81	216
UB4AWW	532,726	1027	87	226
UB4VWN	344,565	850	71	208
UB4TWA	311,060	792	56	150
UB4MWU	183,998	510	60	137
UB4DWL	144,600	652	30	70
UB4TWL	131,874	386	56	130
UB4IWI	108,540	474	36	99
UB4VWA	87,716	352	45	103
UB4FWH	66,932	366	30	86
UB4TXL	60,140	277	28	69
UB4WYL	35,464	213	32	72
UB4WZW	24,992	168	23	65
UB4QYA	13,104	156	30	54

OCEANIA

Australia

AX3VT	**1,501,918**	**1806**	**97**	**196**

Hawaii

NT5D/KH6	**2,288,964**	**2501**	**117**	**201**

Indonesia

YE2Z	**1,548,418**	**1660**	**111**	**220**

Mariana Islands

AHØB	**8,608,600**	**6163**	**143**	**330**

New Caledonia

FKØAW	**5,294,211**	**4530**	**121**	**282**

Marshall Islands

KX6OI	**4,380,153**	**3505**	**143**	**304**

Philippines

DX1A	**3,139,382**	**3501**	**105**	**202**
DX1CW	1,384,600	2532	68	116

SOUTH AMERICA

Argentina

LU4FM	**8,268,568**	**4559**	**160**	**456**
AY6D	3,267,875	3403	100	225

Chile

CE4TA	**3,357,876**	**2903**	**123**	**275**
CE5BYU	1,918,908	1880	111	242

Ecuador

HD9OT	**10,143,000**	**5852**	**140**	**448**
HC2M	2,055,768	2236	95	217

Fernando de Noronha

ZXØF	**14,721,311**	**7033**	**549**	**713**

Netherland Antilles

PJ1W	**15,259,408**	**7903**	**156**	**496**
PJØK	5,982,135	4573	129	316

MULTI-OPERATOR MULTI-TRANSMITTER NORTH AMERICA

United States

W3LPL	**16,092,951**	**6477**	**180**	**681**
N5AU	**14,896,140**	**5981**	**185**	**685**
K2TR	**14,229,270**	**6063**	**169**	**641**
WM5G	**11,302,107**	**5042**	**179**	**608**
N8IH	**10,750,824**	**4946**	**163**	**584**
N4RJ	**9,655,415**	**4361**	**179**	**630**
N4ZC	9,143,385	4242	169	576
K4XS	8,588,400	4411	158	522
K5NA/2	8,333,710	3807	166	604
K4JPD	7,964,676	3638	179	604
KY1H	7,842,751	3867	161	546
N6ND	**7,600,281**	**4163**	**177**	**510**
K1AR	5,677,455	2797	157	538
NE3F	5,416,468	3086	145	468
W3GM	4,779,378	2744	141	462
NE9O	**4,705,151**	**3057**	**134**	**387**
NF2L	4,202,477	2644	139	412
N2MM	3,947,440	2430	131	429
K3ZZ	3,443,536	2084	145	432
KM1C	3,398,112	1948	148	473
N2SS	2,850,554	1951	134	384
W8BI	**2,754,480**	**1790**	**135**	**417**
AA4S	2,747,466	1916	129	369
N3LR	2,413,880	1819	127	339
K6ZM	2,410,668	1959	137	322
K7ABV	**1,028,720**	**1195**	**95**	**213**

Alaska

KL7Y	**14,502,200**	**10223**	**164**	**426**
KL7RA	**13,533,408**	**10423**	**155**	**393**
KL7GID	449,966	1019	74	107

Barbados

8P6BBS	**12,963,08**	**1910**	**62**	**195**

Canada

VE7ZZZ	**9,614,228**	**7876**	**157**	**369**

Cayman Islands

ZF2ML/8	**8,486,310**	**7182**	**127**	**356**

Grenada

J3/W8KKF	**2,526,807**	**3230**	**88**	**229**

US Virgin Islands

KP2A	**37,042,774**	**16670**	**177**	**709**

ASIA

Japan

JA9YBA	**8,986,746**	**5255**	**157**	**434**
JA6YCU	**6,211,671**	**4148**	**155**	**368**
JA2YKA	5,299,497	3437	150	399
JA1YFG	4,577,593	3291	143	348
JA7YRR	4,376,170	3219	139	331
JA4YJA	2,338,920	2348	105	255
JAØZRY	1,571,150	1566	113	237
JA9YAA	791,320	1013	91	180

EUROPE

Denmark

OZ9EDR	**10,157,720**	**7308**	**151**	**459**

France

TX2X	**5,420,360**	**5720**	**108**	**377**

Federal Republic of Germany

DFØDX	**7,517,400**	**5350**	**141**	**395**
DLØOVA	2,024,176	2209	112	312
DF3OG	1,212,540	1264	106	314
DA1WA	320,530	718	61	129
DL1VJ	2	1	1	1

Italy

IK2FYH	**5,176,115**	**4805**	**137**	**434**

Liechtenstein

HBØCZS	**18,270,570**	**11737**	**165**	**621**

Lithuania

UP8A	**23,092,600**	**12362**	**183**	**641**

Luxembourg

LX/DLØPE	**2,163,102**	**2760**	**92**	**257**

Netherlands

PI4DEC	**4,792,835**	**5616**	**110**	**305**
PI4AJS	169,983	449	60	127

Norway

LA1K	**4,491,315**	**4261**	**127**	**386**
LA1W	182,105	397	60	155

Spain

EA1DQB	**169,540**	**483**	**50**	**146**

Sweden

SKØUX	**160,749**	**1013**	**50**	**109**

Yugoslavia

YT2R	**12,960,410**	**8162**	**162**	**542**
YU1EXY	**12,373,616**	**7042**	**181**	**591**
YZ1U	7,194,880	5650	149	467

OCEANIA

Fiji

3D2XX	**7,852,700**	**5802**	**143**	**332**

Philippines

DX1DBT	**1,420,575**	**2105**	**88**	**147**

SOUTH AMERICA

Argentina

L8H	**5,628,224**	**4086**	**133**	**343**

Aruba

P4ØV	**49,294,652**	**18065**	**189**	**745**

Netherland Antilles

PJ1B	**46,091,192**	**17516**	**187**	**727**

QRP

ZY5EG	**A**	**1,685,682**	**1408**	**121**	**305**
					(Opr PY5CC)
KR2Q	"	**986,391**	**960**	**92**	**265**
TI2DU	"	**533,472**	**2425**	**51**	**77**
WR4K	"	**575,200**	**676**	**83**	**221**
YU2TY	"	**533,544**	**631**	**97**	**279**
LZ2QV	"	**419,881**	**999**	**78**	**209**
VP9AD	"	**406,224**	**1024**	**59**	**123**
FD1BEG	"	**399,420**	**715**	**66**	**186**
AA2U	"	366,338	481	78	196
WB5N	"	**294,030**	**430**	**75**	**168**

HI3TEJ	"	**263,432**	**928**	**48**	**88**
KD2TT	"	231,896	427	54	143
KB1VD	"	**225,216**	**392**	**72**	**132**
KB3TS	"	**225,171**	**388**	**52**	**145**
SMØDJZ	"	**223,776**	**502**	**58**	**158**
UL7JW	"	**170,658**	**434**	**48**	**123**
UB5QKC	"	**144,414**	**397**	**63**	**163**
IØØKHP	"	**139,120**	**378**	**54**	**134**
SM5CCT	"	124,640	413	47	117
OH5NHI	"	**121,792**	**359**	**51**	**125**
RB5EG/A	"	106,296	396	42	130
OK1DKS	"	**102,382**	**363**	**43**	**108**
EA6SK	"	**95,130**	**308**	**42**	**109**
JI1DQS	"	**93,603**	**278**	**46**	**77**
RB5WO	"	90,839	327	39	94
JF4MIH	"	85,918	235	52	81
EA3DNC	"	**75,891**	**335**	**47**	**76**
EA4EDI	"	71,585	317	37	102
WA8AGH	"	**70,560**	**145**	**52**	**116**
EA1GT	"	64,523	296	34	79
YO5BQ	"	**61,045**	**314**	**37**	**108**
JH7AJD/1	"	53,680	166	45	65
K3CHP	"	50,752	155	32	90
VK3RF	"	**50,728**	**149**	**56**	**80**
UO5ON	"	**41,216**	**230**	**34**	**94**
KA1CZF	"	**40,660**	**154**	**29**	**66**
UB5MMP	"	37,022	261	21	86
IS0LYN	"	**36,531**	**297**	**46**	**77**
UP2BBD	"	32,344	226	24	80
RR2RT	"	**24,800**	**132**	**37**	**86**
VE3OZT	"	**23,429**	**237**	**43**	**80**
UC2WAC	"	20,679	171	19	42
UB5WAE	"	14,875	132	23	62
W4FDA	"	13,176	64	23	49
UP1BXL	"	10,640	133	18	38
			(Opr RP2BFL)		
UV3TD	"	8,024	70	21	47
UB5LRS	"	5,814	56	21	30
EA2BUW	"	3,741	51	17	26
UB4IM	"	2,173	53	10	31
RA3XC	"	1,632	34	12	22
K7GEX	**28**	**217,296**	**529**	**36**	**108**
N4KG	"	**203,280**	**533**	**30**	**102**
K7HBN	"	163,080	415	35	100
W5VGX	"	**142,500**	**434**	**29**	**86**
JA1TLK	"	**128,772**	**466**	**32**	**66**
WA0VBW	"	**124,320**	**392**	**27**	**84**
UA9LFN	"	**113,100**	**425**	**25**	**76**
WB4BBH	"	106,449	335	28	83
AA4M/6	"	**90,180**	**294**	**29**	**79**
EA3FQV	"	**84,455**	**396**	**26**	**69**
W6CN	"	68,320	296	25	55
N1BQN	"	**59,094**	**218**	**28**	**70**
SP3DAH	"	**56,643**	**284**	**27**	**54**
UA6BPM	"	**51,465**	**368**	**19**	**54**
CX4BW	"	**50,897**	**239**	**22**	**55**
ZS6PT	"	**50,820**	**263**	**22**	**44**
WB6JMS	"	48,418	200	24	62
JG7LBN	"	38,248	237	18	38
KA8NRC	"	**34,030**	**152**	**22**	**61**
EA3EJI	"	33,368	162	24	62

W6YVK	"	32,382	180	18	45
VE3IQ	"	**30,080**	**135**	**19**	**61**
JA6WJL	"	21,948	131	25	37
UL7ACI	"	**21,252**	**105**	**15**	**54**
JA6RXA	"	20,367	103	23	50
JA3IWA	"	20,130	125	22	33
VE6MAA	"	**19,800**	**170**	**18**	**26**
UA9WNR	"	17,200	147	9	34
JK2VHU	"	17,085	122	19	32
YU2TX	"	**16,650**	**154**	**17**	**28**
JA3DLE/1	"	16,110	123	19	26
UQ2GSW	"	**14,155**	**171**	**10**	**31**
EA6GP	"	**13,988**	**132**	**17**	**35**
KØØSX	"	11,872	78	15	41
UA3ALX	"	10,296	108	14	30
GW0ESU	"	8,904	80	16	26
LA8GV	"	8,400	110	13	17
UP2BBF	"	8,374	68	22	31
VE7EKS	"	6,723	109	13	14
RA3DFN	"	6,720	82	11	19
I6YEF	"	4,239	61	13	14
ED3SP	"	3,094	49	12	22
IV3VQA	"	2,774	59	8	10
Y26JD	"	2,527	50	8	11
RB5HB	"	2,280	34	12	18
KB6ZNF	"	2,201	39	14	17
G3CWL/A	"	1,320	32	7	13
RW3AN	"	1,026	38	4	5
RA3DQP	"	742	21	6	8
OK1CZ	"	300	11	8	7
LZ2EW	**21**	**114,128**	**502**	**29**	**83**
RG6GBW	"	**101,850**	**498**	**20**	**55**
YC2OK	"	**72,036**	**208**	**32**	**76**
JA8RJE	"	**55,517**	**189**	**26**	**77**
UB4JD	"	**54,000**	**353**	**21**	**59**
JO1SVX	"	51,598	216	27	56
JE1QIY	"	33,165	180	25	42
UB4AR	"	32,361	225	18	51
JQ1HIC	"	31,228	151	23	51
JG2MLI	"	30,272	170	22	42
JR4LTZ	"	5,439	55	16	21
KE4PT	"	4	1	1	1
WI8W	**14**	**51,450**	**199**	**27**	**71**
JA2JSF	"	**40,480**	**178**	**29**	**59**
YU1KFG	"	**24,486**	**279**	**13**	**53**
KP4AAK	"	**20,054**	**97**	**25**	**49**
YO9CSM	"	**11,092**	**130**	**14**	**45**
YU1KN	"	9,487	128	13	40
JA1WVK	"	9,010	68	21	32
UB5FYC	"	**8,580**	**166**	**8**	**36**
EA2BTO	"	7,452	84	13	41
Y23TL	"	6,321	98	12	31
Y24EE	**7**	**1,150**	**50**	**4**	**19**
Y23XF	"	24	8	1	2
UB5IRN	**3.7**	**15,704**	**251**	**7**	**45**
SP4GFG	"	**9,184**	**221**	**6**	**35**
UB5MEN	**1.8**	**780**	**39**	**5**	**15**
Y23FI	"	**666**	**39**	**2**	**16**
KD9CC	"	**320**	**34**	**5**	**5**
UB5ZME	"	288	16	4	14
Y25JA	"	252	21	3	11

CHECK LOGS

Our thanks to the following stations who submitted check logs: 9V1VB, AA4UJ, AA4WX, AG3S, BY5HZ, CF1HBI, CF1HIK, CE3GN, CE3GWO, CE7BIY, CR2BY, D44BC, DH9OAG, EA1CYL, EA1EMO, EA1KW, EA3ALV, EA3DBO, EA3DXD, EA4BJD, EA4DMB, EA5AIK, EA5AT, EA5DG, EA5DVL, EA5EGD, EA5YU, EA6SX, EA7BVI, EA7DHF, EA7DOH, EA7DUD, EA7ELR, EA7FZR, EA7GBD, EA8AKQ, EA8AMX, EC7DMU, ED7CA, F11COA, F11FFC, FY5YE, GØEZI, GW3NYY, HA1KRR, HA4XX, IC8YHZ, IU2A, IV3ZCS, JT1-184, JT-214, K5RF, K6FM, K7XX, KA1DSQ, KA6V/7, KG5LM, KH2/N7DF, KM4AF, KØØD, KS7V, KX6DC, LAØEW, LA1JFA, LA2PC, LA3JT, LA4TG, LA5BS, LA5LT, LA6BBA, LA6PBA, LA7SI, LA9LO, LA9WO, LU3EBP, LU6AJA, LX2PA, I7IKRI, I7IKFN, LZ1MH, LZ2UK, N4TRJ, N5MVQ, OH1NYD, OH1XX, OH2BMH, OH2BDZ, OH3HS, OH3RF, OH3TQ, OH4MI, OH5FA, OH5MX, OH5OT, OH5PT, OH6DZ, OH6GZ, OH6NEQ, OH8LC, OH8NXE, OK1FKW, OK2BBQ, OK2BGN, OK2BWX, OK3CGT, OK3CQR, ON5FV, OZ1ACB, OZ1BIZ, OZ1BUR, OZ1EUO, OZ1FAO, OZ1FNX, OZ1LWT, OZ1OXZ, OZ6PP, OZ7INN, OZ7JZ, PAØTV, PA3COA, PY1OL, PY2YP, PY3CM, PY3EM, PY4KB, PY5AAT, PY6BG, RAØCDM, RA1AG, RA3ATM, RA3DDU, RA3DR, RA3PS, RA3QKJ, RA3QUA, RA3RRU, RA4CG, RA4NBG, RA4PM, RA4PR, RA6PAV, RA9JM, RB4IAM, RB5CB, RB5CI, RB5CW, RB5IGV, RB5NT, RB5RA, RL7PEO, RT4UA, RV3QD, RV9US, RV9UV, RW3AE, RW3DW, RZ3AM, RZ3DC, SK6AG, SMØBFJ, SMØCSX, SMØNHS, SM2NTU, SM2OTU, SM2PTR, SM3CBR, SM3CVM, SM3MHD, SM3QJ, SM4AWC, SM4SET, SM5BBS, SM5CCH, SM5CVC, SM5FBL, SM5FNU, SM5LI, SM5UF, SM6BWQ, SM6CDN, SM6FAX, SM6KMD, SM6LIF, SM6OOI, SM7CRW, SP1EYI, SP2FF, SP2KDT, SP3BVI, SP3CDQ, SP3GRQ, SP3GVX, SP3JIA, SP4AS/4, SP4BY, SP4COU, SP4LVG, SP5ATO, SP5CCC, SP5DIR, SP5EAQ, SP5ENA, SP5GMM, SP5NHM, SP6ANY, SP6CZ/6, SP6LTF, SP6OJJ, SP6ZDA, SP7LHX, SP8BFJ, SP8BVJ, SP8JMA/A, SP8MMY, SP9AZL, SP9CTT, SP9DEE, SP9DEM, SP9JPA, SP9MDW, SP9ODY, SP9ZD, SWL-G.

UAØFDX, UAØKD, UAØQCA, UAØQO, UA1AQC, UA1JA, UA3ACJ, UA3AHA, UA3AIF, UA3DAO, UA3DLD, UA3DNR, UA3DPH, UA3DUA, UA3EDH, UA3LCC, UA3MDV, UA3PB, UA3PIU, UA3QLC, UA3RMW, UA3SBV, UA3SBW, UA3TGO, UA4AO, UA4CDL, UA4HJA, UA4HRZ, UA4NBD, UA4PMO, UA4PNL, UA4PNV, UA4RC, UA6HNU, UA6HPK, UA6LQZ, UA6PAG, UA6PCH, UA6PT, UA6PZ, UA9-140-518, UA9LCU, UA9UM, UA9US, UA9UY, UB4AXN, UB4EYJ, UB4JDX, UB4JWF, UB4JX, UB4LWY, UB4RWO, UB5CDX, UB5CJP, UB5EFW, UB5HAR, UB5HJF, UB5IMJ, UB5KCA, UB5KV, UB5QDF, UB5QFJ, UB5QGD, UB5QJA, UB5QMD, UB5VAA, UB5VCK, UC1AWU, UC1AWZ, UJ8JMM, UL7BY, UL7CDQ, UL7DBD, UL7PE, UL7TX, UL8BWW, UL8LWZ, UM8MAU, UO4OR, UO5ODA, UP2BAG, UQ1GXX, UQ2GEO, UQ2GLW, UR2REA, UR1RWV, UT5UCK, UT5UCR, UV3DF, UV3MM, UV4HD, UV6HO, UV6HP, UV6LD, UV9CAF, UW3AD, UW3DM, UW6HS, UW6HWO, UW9AO, UW9LA, UW9UE, UY5GG, UZØKWC, UZØKWH, UZØQXU, UZØQXU, UZ1AWT, UZ1OWZ, UZ3AWT, UZ3AZC, UZ3DWV, UZ3DWZ, UZ3DYF, UZ3RXA, UZ3SWL, UZ4PXJ, UZ6AZS, UZ6HR, UZ6XWM, UZ9-140-11, UZ9AWQ, UZ9FZZ, UZ9SWI, VB3IZH, VE3XO, VE7ACM, VE7COP, VE7WPC, VP2MBK, VP9HW, VU2IN, WØCEM, W2BSI, W8CGG, Y21BG, Y21RO/A, Y21VF/A, Y22OO, Y22TO, Y22UB, Y22WF, Y22YJ, Y23PF, Y23SF/A, Y23XD/A, Y24AM/A, Y24AO, Y24EA, Y24GE, Y24HM, Y24IM, Y24JM, Y24WJ, Y24XD, Y25FI, Y25JA/A, Y25MG/A, Y25TO, Y26NL, Y26SO, Y28TO, Y31WI, Y33VL, Y35WF, Y36SG, Y37EO, Y38YE, Y38YK, Y38ZM, Y45RJ, Y51QO, Y53ZL, Y54VA, Y54WM, Y55PG, Y57ED, Y57OG, Y57ZL, Y59-01-F, Y66ZF, Y72CL, Y82KL, Y88VSL, YCØRBG, YO5CUU, YO6FGE, YO7LDL, YO8CEZ, YU3DHP, YU6VV, ZS6BCR, ZS6HO, ZY1IH.

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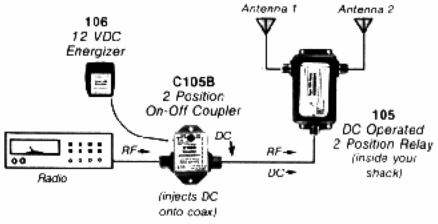

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