

Results of the 1995 CQ World-Wide DX SSB Contest

BY BOB COX*, K3EST

The sunspot cycle was near its minimum, the year was 1995, and CQ expected a drop off in log submissions for the CQ WW SSB. It was a normal cycle that followed the 11-year journey of our sun. You can imagine our delight, when all the logs were tallied to find that 1995 was the third highest year of log entries—3167 for SSB. Even though 10 meters was truly visiting another planet, the rest of the bands were great. And the low bands were outstanding! From around the world reports speaking of remarkable openings on 40 through 160 meters filtered into CQ HQ.

Single Operator High Power

The competitors for the coveted top award were a very diverse group. From all over the world, they included two Europeans and one USA station. The number one position went to Pekka, OH1RY, operating EA8AH. Pekka, as you know, is no stranger to the SSB top ten (remember YJØR?). He was CQing from the Canary Island dream QTH described in detail in the January issue of CQ Contest magazine.

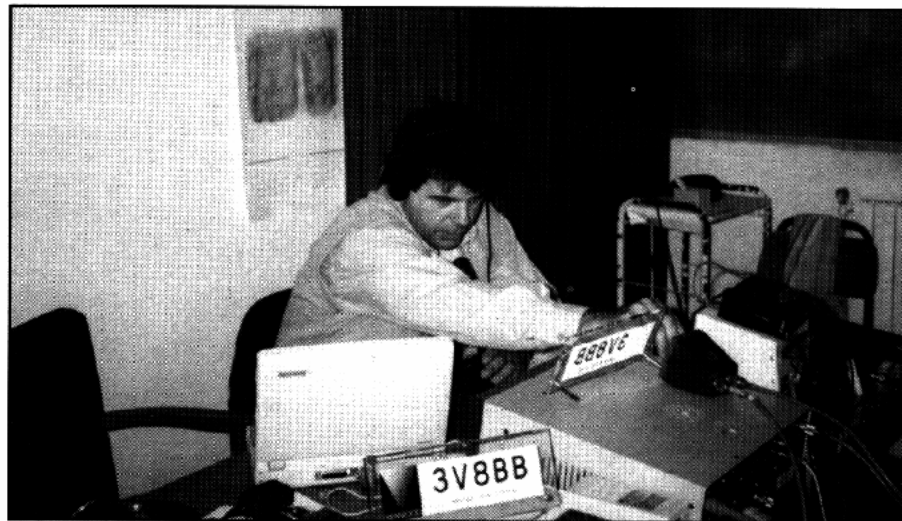
Following in second place was Carlos, T12CF, operating from his country QTH as T11C. Carlos did a terrific job from North America. His finish is the highest non-3 pointer in years. In third place was a very welcome entrant, 3V8BB. The club station, which is manned by enthusiastic Tunisian amateurs for most of the year, welcomed the guest operation of YT1AD. All of us applaud the efforts of the Tunisian amateurs to promote good will.

Over in the USA, the top slot was gathered in by John, K1AR. Not content to sit on his laurels as the reigning US champion, John jumped on a ferry and ended up in Massachusetts at K1EA's QTH. In second place was another MA operator, Randy, K5ZD/1. Both Randy and John are very intense and serve as excellent role models for beginners and intermediate contesters.

The battle in Europe was very close. After the log-checking dust settled, Tine, S5ØA, had bested GIØKOW by just a few QSOs. Both are improving their stations for the upcoming season. It is a great achievement for both of them to have gained entrance into the world top 10.

Single Operator Low Power

The single operator world leader was WP4U operated by Andy, AA3BG. He traveled to KP4 to make a dream come true—operating in the CQ WW from the Caribbean. Andy's old call was RC2AR. He was followed by US1E, who did an outstanding job with multipliers. In Europe second place went to last year's winner, EA7CEZ. This fine operator has certainly prov-



3V8BB operated by YT1AD puts a needed multiplier in everyone's log.

en that low power is *not* a handicap to being competitive.

In the single operator low power category for the USA, it was Doug, KR2Q, taking the prize with over 1.1 meg. The last time KR2Q did an all band entry in the CQ WW, he set the existing USA record in the QRP category. This year Doug was more than 40% ahead of second-place finisher KQ3V. KR2Q wishes to express his thanks to Tony, K2SG, for *not* entering this year. Also noteworthy are NY3Y (4th place) and WA6IET (8th place). NY3Y, despite KR2Q's 33% lead in number of QSOs, was only four country mults behind Doug. And WA6IET had 108 zones, more than any other entry in this category. Third place went to AC1O/4, and fifth place was taken by WA7BNM/6, giving the West Coast a spot in the Top Five. This category continues to grow and is well represented with entries from across the entire country.

QRP

The peanut category was well represented this year with LY35BA taking the top spot. His location in Europe sure helped with the multipliers, but was a deterrent with points. Following in second place was EA1GT. Located in a totally different propagational zone, he managed to get quite a few USA QSOs in his log. Over in the USA, AA2U, the perennial QRP winner, actually had his score go up after the CQ WW log-checking procedure!

Assisted

The top world score was turned in by AA2DU. Always an intense contesteer, AA2DU finally put it all together to take away the trophy.

He was followed very closely by EA8AFJ over on the Canary Islands. Being tied back to EA packet clusters allowed access to all those juicy multipliers.

Multi-Single

Sitting on a mountaintop near Marconi's QTH is the club of IQ4A. These dedicated contesters have built up a formidable station that overlooks the plain near Bologna. With a multiplier which would make others envious, IQ4A took top honors in the world.

Second place went to 9A1A. Located in beautiful Croatia, this club has put their skills to work to teach electronics to students at a school located on a mountain. In exchange they get a club room in which to operate.

In the USA, KC1XX took full advantage of his NE USA location to finish first. Matt is in the process of rebuilding his station, so look out in the future. As a matter of fact, many people have taken advantage of the sunspot minimum to rebuild. A little farther west, K2TR put their talented crew to work to get within shouting distance of KC1XX.

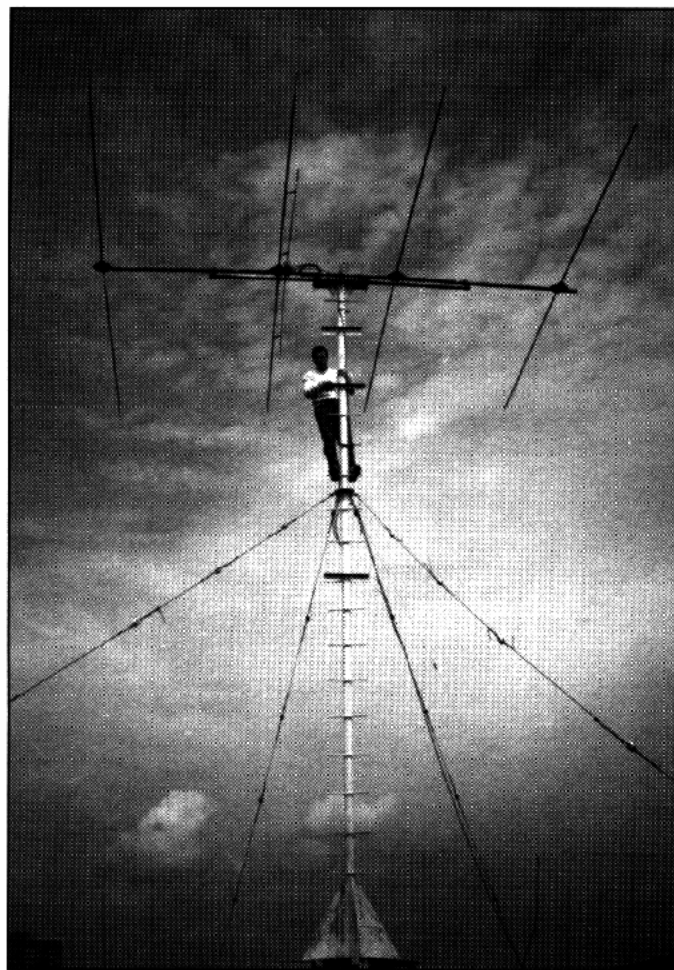
Multi-Multi

Leading the pack in the Sumo category was PJ9B. Using their new callsign was difficult for the boys from Bonaire after so many years of PJ1B. However, they managed to say it right enough times to win. Since PJ9B has operated from the same QTH with more or less the same antennas and rigs for the last 10 years, you can look at their scores as a gauge of propagation. The big drop-off was on 10 meters, where the band barely opened to the States.

*1816 Poplar Lane, Davis, CA 95616

TROPHY WINNERS AND DONORS

- SINGLE OPERATOR**
World All Band
E88AH
(Opr. Pekka Kolehmainen, OH1RY)
Donor: Dave Rosen, K2GM
WA2RAU Memorial
- World Low Power**
WP4U (Opr. Andrei Stchislenok, AA3BG)
Donor: Slovenian Contest Club
- World Assisted**
J. P. Kleinhaus, AA2DU
Donor: Snake River Contest Club
- World QRP**
LY35BA
(Opr. Gediminas Lucinskas, LY3BA)
Donor: Doc Sayre, N7AVK
- U.S.A.**
John Dorr, K1AR
Donor: Potomac Valley Radio Club
KC8C Memorial
- U.S.A Low Power**
Doug Zwiebel, KR2Q
Donor: North Coast Contesters
- U.S.A. Zone 3**
Lewis Sayre, N7AVK
Donor: Bill Fisher, KM9P
- U.S.A. Zone 4**
Steve London, N2IC/B
Donor: Dennis O'Connor, K8DO
- Canada**
John Sluymer, XM3EJ
Donor: Niagara Frontier Int'l DX Assn.
VE3WT Memorial
- Caribbean/C.A.**
T11C (Opr. Carlos Fonseca, T12CF)
Donor: Alex M. Kasevich, VP2MM
- Europe**
Tine Brajnik, S50A
Donor: Potomac Valley Radio Club
W4BVV Memorial
- Europe Low Power**
US1E (Opr. UR5EAT)
Donor: WR3G & K3LR
- Africa**
3V8BB (Opr. Milosevic Hrane, YT1AD)
Donor: Gordon Marshall, W6RR
- Asia**
JH5FXP
Donor: Japan CQ Publishing Company Ltd.
- Japan**
Akira Asai, JA8RWU
Donor: Japan Crazy Contesters Club
- Oceania**
Al Crespo, KH6/WR6R
Donor: Northern California DX Club
- South America**
8R1K (Opr. Marko Myllymaki, AB6NJ)
Donor: Yankee Clipper Contest Club
- SINGLE OPERATOR, SINGLE BAND**
World—28 Mhz
Arturo J. Gargarella, LU6ETB
Donor: Joel Chalmers, KG6DX
- World—21 Mhz**
ZW5B (Opr. Atilano de Oms, PY5EG)
Donor: French 21170 DX Net/LNDX
FY5AN Memorial
- World—14 Mhz**
ZD8Z (Opr. Jim Neiger, N6TJ)
Donor: North Jersey DX Assn.
K2HLB Memorial
- World—7 Mhz**
IG9A (Opr. Fabio Grisafi, IT9GSF)
Donor: Fred Laun, K3ZO
K7ZZ Memorial
- World—3.8 Mhz**
IG9T (Opr. Alberto Annesi, IV3TAN)
Donor: Fred Capossela, K6SSS
- World—1.8 Mhz**
IG9W (Opr. Francesco Spina, IV3SHF)
Donor: Robert Wruble, A17B
- USA—28 Mhz**
Charles Dietz, KE5FI
Donor: Donald Thomas, N6DT
- USA—21 Mhz**
Stephen Sacco, Jr., KC2X/4
Donor: Bill Gioia, K2EK
- USA—14 Mhz**
KM1H (Opr. Robert Shohet, KQ2M)
Donor: Southern California DX Club
- USA—7 Mhz**
Steven Kelly, KC7EM
Donor: Stanley Cohen, WD8QDQ
- USA—3.8 Mhz**
John Rodgers, WE3C
Donor: Arnold Tamchin, W2HCW
- USA—1.8 Mhz**
Jeffrey Briggs, K1ZM
Donor: J. Bruce Siff, W2GBX
- Carib./C.A.**
VP2E (Opr. Robert Wood, WB5CRG)
Donor: Snake River Contest Club
- Europe—28 Mhz**
Arpad Berke, S51AY
Donor: Chod Harris, VP2ML
- Europe—21 Mhz**
IY1LEC
Donor: OH6JW Memorial
- Europe—14 Mhz**
Jiri Sanda, OK1RI
Donor: A.G. Anderson, GM3BCL
- Europe—7 Mhz**
S50C (Opr. S5500)
Donor: Roger Burt, N4ZC
- Europe—1.8 Mhz**
Jon Ingolvur Dam, OY9JD
Donor: Robert Kasca, S53R
- Japan—28 Mhz**
T. Akase, JH6AUS
Donor: Take Yokoyama, JL1BLW
- Japan—21 Mhz**
S. Hatakenaka, JA5FDJ
Donor: DX Family Foundation
- MULTI-OPERATOR**
SINGLE TRANSMITTER
World
IQ4A (Ops.: I4VEQ, I4IND, I4LCK, I4TJE, I4IKW, I4EAT, I4AVG, I4DCT, I4QJH, I4EWK, I4CZF, I4XQH, I4MGP)
Donor: Southern California DX Club
W6AM Memorial
- U.S.A.**
KC1XX
(Ops.: KC1XX, KC1F, AD1C, K1EA)
Donor: Carolina DX Association
- Europe**
LZ9A (Ops.: LZ1JY, LZ1NG, LZ1RB, LZ1ZX, LZ1JK, LZ2BE, LZ2CC, LZ2DF, LZ2HE, LZ2HM, LZ2II, LZ2JE, LZ2PO, LZ2PS, LZ2TT, LZ2UU, LZ2WF, LZ2WM, LZ2XA, LZ3DX, LZ3SM, LZ4UU, LZ5JE)
Donor: Bob Cox, K3EST
- Carib./C.A.**
6D2X (Ops.: K5NU, K5TSQ, N5RZ, WB5VZL, XE2YNS, XE2XD)
Donor: Eric Scace, K3NA
- Oceania**
KH6RS
Donor: Junichi Tanaka, JH4RHF
- South America**
PT7CB (Ops. PT7BL, PT7BZ, PT7NK, PT7WA, PT7WB)
Donor: Jerry Boyd, KG6LF
- Asia**
VS6WO (Ops. VS6WO, 9V1YC, VR2GO, VR2NR)
Donor: Edward L. Campbell, AH2BE
- MULTI-OPERATOR**
MULTI-TRANSMITTER
World
PJ1B (Ops.: WA3LRO, N3ED, K1DG, K3EST, WN4KKK, K2SB, W3UM)
Donor: W6QHS and KK6QM
- U.S.A.**
N2RM (Ops.: N2RM, N2NT, WM2H, KZ2S, K2TW, N2AA, K3UA, W2RQ, N2BCC, KE2PF, W2GMA)
Donor: Paul Hellenberg, KS9K
- Europe**
G0KPW (Ops.: G4BAH, G3VHB, G4BUO, G4PIQ, G4BWP, G4VMM, G3NLY, G3LNS, K1XX, G3NKC, G0WCW, G7ABQ, G4CBQ, G0KRL, G0AFH, G0HSS, G4BBU, G4SWX, G4WFR, S50K)
Donor: Finnish Amateur Radio League
- Japan**
JA3ZOH (Ops.: JH3DPB, JH3PRR, JG3JEW, JG3KIV, JG3MRT, JI3OPA, JM3XKG, JH4IFF, JH4NMT, JF4FUF, K6UMB)
Donor: Ryoza Goto, JH3JYS
- CONTEST EXPEDITIONS**
World Single Operator
3V8BB (Opr. Milosevic Hrane, YT1AD)
Donor: Stuart Meyer, W2GHK
- WORLD MULTI-OPERATOR**
JT1Z (Ops: JT1BL, JT1CS, K6MC, N6AA, N6TW, N6ZZ, W6MKB, W6XD)
Donor: The German CDXG & SDXG
DJ3NG & DJ4EI Memorial
- SPECIAL SINGLE OPERATOR AWARD**
World—All Band Under 21 years old
Miguel Angel Devora Jimenez, EA1BOI
Donor: Gene Zimmerman, W3ZZ
- World—All Band High YL**
Mieko Enoue, JA0QWO
Donor: Yutaka Tanaka, JH3DPB



Jerry, UT4UZ, climbs to get a better view of conditions for 15 meters.

TOP SCORES IN VERY ACTIVE ZONES

Zone 3		Zone 14	
N7AVK	1,612,052	GIØKOW	5,995,220
NN7L	1,437,594	GW4BLE	4,444,749
W6REC	1,311,856	DJ4PT	4,288,176
KC7V	1,325,676	TM7XX	3,487,771
WK6V	1,188,600	EA6URP	3,320,224
VE7IN	804,573	EA3CCN	3,182,314
WA7BNM/6	767,848	G3NAS	3,026,034
VE7KD	732,000	F6HLC	2,608,815
WA6IET	675,146	F2EE	2,505,222
K6GX	660,570	DJ6QT	2,159,976
Zone 4		Zone 15	
XM3EJ	6,698,968	S5ØA	6,047,415
N2IC/Ø	3,000,556	YT6A	5,508,048
W9RE	2,968,368	YU7AV	4,818,352
KØRF	2,378,322	S53EA	4,670,838
N3BB/5	2,001,222	S58AB	4,332,346
KØKX	1,559,124	OHØMM	3,912,902
NXØI	1,451,151	YT1AD	3,222,752
KØEJ/4	1,039,669	S59ZA	3,162,232
KB8TI	970,224	ZA1AJ	2,326,240
WBØO	845,856	OM8A	2,126,020
Zone 5		Zone 25	
K1AR	6,147,537	JH5FXP	3,449,322
K5ZD/1	5,480,608	JA8RWJ	2,482,830
KM3T	3,906,468	JH1AEP	2,265,894
N6BV/1	3,673,944	JA7BEW	779,382
AA1K/3	3,335,400	JA1IDY	725,088
W2SC/1	3,199,089	JF1KJV	585,150
N2LT	2,985,423	JR1GSE	584,200
K3ZO	2,834,030	JF3NLQ	562,650
VO1MP	2,824,963	JAØUMV	553,644
W3BGN	2,757,456	JAØQWO	470,988

You still, however, could work Europe a little in the mornings.

Following in second place was the dedicated group on V26B. Their results sure indicate that they had some very serious ops at the microphones. The results from V26B show them beating or matching PJ9B on several

bands, but their proximity to the US hurt them on 10 meters.

Over in Europe the group at GØKPW was setting up their field day site on the farm in western England. After much effort and pub drinking, they finished in the winner's circle and won the European crown. Not far behind were the

dedicated and enthusiastic men at 9A1A. The two European winners had such different propagation and yet less than a million points separated them. The bronze metal goes to the guys in the middle. OT5T.

The race in the US was an interesting one. The crew at hotel New Jersey took away top

ZONE LEADERS SINGLE OPERATOR

Zone	Call	Score	Zone	Call	Score
1	WL7CLK	245,195	21	HZ1HZ	787,697
2	VE2QRZ	2,424,489	22	No Entry	
3	N7AVK	1,612,052	23	JT1BV	31,058
4	XM3EJ	6,590,384	24	VR2KF	562,324
5	K1AR	6,147,537	25	JH5FXP	3,449,322
6	XE1L	553,815	26	3W5FM	66,608
7	T11C	7,898,252	27	DU9RG	2,815,955
8	WP4U	3,547,934	28	V85HG	3,432,184
9	8R1K	7,394,750	29	No Entry	
10	HC1ØT	1,155,505	30	VK5GN	2,150,224
11	ZW5B	2,157,610	31	KH6/WR6R	3,926,533
12	XR1X	3,393,689	32	FO5IW	571,300
13	L37N	1,609,578	33	EA8AH	10,999,592
14	GIØKOW	5,911,024	34	SU2MT	6,805,372
15	S5ØA	6,012,303	35	5NØT	3,591,837
16	US1E	3,186,888	36	9J2FR	1,664,080
17	RK9CWY	687,188	37	5X4F	1,926,114
18	RZ9UA	876,856	38	ZS6CAX	111,566
19	RAØFU	1,584,410	39	3B8/F5PXQ	1,076,285
20	SV5/IN3QBR	2,941,329	40	JW8GV	141,752



The multi-single crew at ZP5WYV. Clockwise from bottom: ZP5CGL, ZP5DX, ZP5YW, ZP5ALI, ZP5RDX, ZP5YOE, and ZP5WYV.

TOP SCORES

WORLD

SINGLE OPERATOR HIGH POWER

All Band
EA8AH10,999,592
T11C7,898,252
3V8BB7,508,820
8R1K7,394,750
SU2MT6,805,372
XM3EJ6,590,384
K1AR6,147,537
S50A6,012,303
GI0KOW5,911,024
YT6A5,508,048

28 MHz

LU6ETB638,388
EA8ZS449,460
ZP5MAL442,981
ZV5A431,232
LU1MA364,060
LU2DW/A338,663

21 MHz

ZW5B2,157,610
PQ0MM1,642,575
ZS6EZ1,552,250
9R1A1,135,818
JA5FDJ1,045,128

IY1LEC1,040,910

14 MHz

ZD8Z2,356,065
IG9R2,076,068
4X6TT1,557,951
OK1RI1,359,640
CE3F1,325,016
VP2E1,315,327

7 MHz

IG9A1,168,855
9M8R1,091,835
PY0FM862,368
S50C729,520
9Y4VU635,328
LZ5W586,656

3.7 MHz

IG9T816,959
HC8A441,084
I8UDB233,562
S57AW219,535
DL8OH209,469
LX1NO194,775

1.8 MHz

IG9W137,020

EA8EA105,786
OY9JD98,824
EK0W75,806
SV8CS60,258
IR4T58,764

LOW POWER

All Band

WP4U3,547,934
US1E3,186,888
OD5NJ2,691,360
5X4F1,926,114
EA7CEZ1,777,656
L37N1,609,578
RA0FU1,584,410
ON5GQ1,442,708
TR8IG1,162,620
KR2Q1,158,288

28 MHz

ZY3Z575,246
LU8HSO341,857
LU3HIP244,055
LU3HWE222,040
EA8IN209,326
LU3HYS182,868

21 MHz

HC1OT1,155,505
UA4LCQ703,812
GI4SNA415,359
CX6VM328,654
I16I316,798
YU7CF312,602

14 MHz

IR4XX658,615
Z30M646,218
LU5FCI528,504
JR4PMX/1321,222
VA3JK300,105
S52UT266,328

7 MHz

RV0AR456,284
YV5AMH200,871
IR4R180,006
YV5NCK78,912
SV2AEL71,246
RA3WA68,801

3.7 MHz

T99W99,528
DL4FMA82,616
S57J75,225

PA0RCT66,082
S51IX63,771
OK2PJW62,790

1.8 MHz

S53X39,960
HA8EK37,128
OZ3SK30,177
IT9ZGY27,750
S57DX21,840
DL9SXX17,877

QRP

All Band

LY35BA421,201
EA1GT377,568
AA2U370,804
W0KEA323,190
JA6GCE283,284
N1AFC281,112
UA4SKW258,531
UT1WA239,313
JA6UBK227,916
EA3FHT204,228

ASSISTED

All Band

AA2DU3,145,262

EA8AFJ3,089,350
DJ2YA2,669,139
DL6ET2,619,378
IR8A2,584,581
N3RR2,522,730
N3AD2,497,105
K3WW2,330,389
DK9DA2,293,248
PY2EX2,275,232

MULTI-OPERATOR SINGLE TRANSMITTER

IQ4A11,986,918
ED9EA9,707,190
6D2X9,689,400
LZ9A9,327,936
8P9Z9,213,928
FG5BG9,147,840

MULTI-OPERATOR MULTI-TRANSMITTER

PJ9B33,279,744
V26B22,384,428
G0KPW17,257,440
9A1A16,362,936
OT5A15,120,045
HG73DX14,997,749

EUROPE

SINGLE OPERATOR HIGH POWER

All Band
S50A6,012,303
GI0KOW5,911,024
YT6A5,508,048
S53EA4,587,600
YU7AV4,395,660
GW4BLE4,335,168
DJ4PT4,076,328
OH0MM3,843,576
S58AB3,538,522
TM7XX3,344,568

28 MHz

S51AY161,190
IK4GRO128,588
EA7BA116,772
F5NBX101,022
G0AEV71,136
DF9XV54,035

21 MHz

IY1LEC1,040,910

CQ5BOP989,860
HA0DU967,500
S59WA696,808
OH5NQ677,875
UT4UZ599,585

14 MHz

OK1RI1,359,640
S59A1,207,553
US5WE1,081,294
IT9BLB1,078,020
GM4FDM1,026,840
GI0UJG990,090

7 MHz

S50C729,520
LZ5W586,656
S57AL573,448
PA3CWM528,000
YT7A464,594
HA9BVK436,640

3.7 MHz

I8UDB233,562

S57AW219,535
DL8OH209,469
LX1NO194,775
ON9CJM185,544
DL3LAB171,021

1.8 MHz

OY9JD98,824
SV8CS60,258
IR4T58,764
9A4D56,564
S54DL54,264
SP5INQ47,232

LOW POWER

All Band

US1E3,186,888
EA7CEZ1,777,656
ON5GQ1,442,708
LX1KC1,059,597
DL2OBF852,432
S54A830,144
DL1NCT779,100

G4KIV774,836
EA3BK743,285
DL1MGB687,040

28 MHz

OM5FA107,502
S52CD71,610
Z31JA57,720
CT1ESO47,472
EA7FUN46,872
T99T46,046

21 MHz

UA4LCQ703,812
GI4SNA415,359
I16I316,798
YU7CF312,602
OK1ARI260,032
EA7FTR195,576

14 MHz

IR4XX658,615
Z30M646,218
S52UT266,328

S58WW248,200
US4LAD246,645
SP6KEP228,780

7 MHz

IR4R180,006
SV2AEL71,246
RA3WA68,801
UX2VZ61,610
S52KD60,000
S51QZ51,912

3.7 MHz

T99W99,528
DL4FMA82,616
S57J75,225
PA0RCT66,082
S51IX63,771
OK2PJW62,790

1.8 MHz

S53X39,960
HA8EK37,128
OZ3SK30,177

IT9ZGY27,750
S57DX21,840
DL9SXX17,877

MULTI-OPERATOR SINGLE TRANSMITTER

IQ4A11,986,918
LZ9A9,327,936
TM2Y9,130,602
TM1C9,060,660
EN5J8,003,660
OT5T7,975,077

MULTI-OPERATOR MULTI-TRANSMITTER

G0KPW17,257,440
9A1A16,362,936
OT5A15,120,045
HG73DX14,997,749
TK2C13,886,544
EM2I12,241,254

USA

SINGLE OPERATOR HIGH POWER

All Band
K1AR6,147,537
K5ZD/15,480,608
KM3T/13,906,468
N6BV/13,673,944
AA1K/33,335,400
W2SC/13,199,089
N2IC/03,000,556
N2LT2,985,423
W9RE2,968,368
W3BGN2,865,030
K3ZO2,834,496

28 MHz

KE5FI42,084
W4YV25,811
W6KFB20,631
WA7KLK13,158
KF7E/59,087
W6ISQ2,457

21 MHz
KC2X/4688,144
KM9P/4441,298
K7RI371,754
N4BP305,885
N4CT304,258
W6KP291,612

14 MHz

KM1H1,093,932
K2SS/1952,408
N18L928,884
KK9A772,310
KS1L732,685
K3ZJ/8568,516

7 MHz

KC7EM409,446
N7DD280,872
KV0Q247,020
WB9Z175,540
W3GH125,902
W9LT/861,946

3.7 MHz
WE3C162,212
KO1F135,892
AD1G81,270
AB6ZV/753,448
K8OQL50,721
K9HMB49,969

1.8 MHz

K1ZM55,420
W2VO10,962
K0CS3,780
AA4MM3,663
W0CM2,268
KN6DV360

LOW POWER

All Band

KR2Q1,158,288
KO3V820,386
AC1O/4815,480
NY3Y787,200
WA7BNM/6767,848
WD5K733,249

WT3W693,216
WA6IET675,146
K2AZ600,626
WS1A592,353

28 MHz

KC3PZ15,226
WA7NIY12,726
WB2BZR/312,650
KC5HF10,220
KC4UCK6,480
KF4CRD3,844

21 MHz

WA2QNW258,100
KJ6HO253,260
N15M154,234
KF8UM152,460
NY5B127,612
KB1KM124,540

14 MHz

W19H184,518
N4MO154,155

K0RNZ/4148,720
K2MFY142,621
KB8IBS139,876
KD1YN104,170

7 MHz

WB8VPA27,492
WW3S16,896
AD8J8,112
AA9IA4,028
WA6WPG4,000
W1WMH884

3.7 MHz

WA4SVO35,690
W1MK8,112
WA2ASQ3,672

1.8 MHz

KA2CDJ1,104
NO0Y684

MULTI-OPERATOR SINGLE TRANSMITTER

KC1XX6,214,992
K2TR5,766,831
N2NU5,350,544
KF2ET4,868,640
W1FJ4,843,104
K1NG4,677,669
K4ISV4,653,720
KS9K4,589,184
K8AZ3,984,120
NF2L3,466,368

MULTI-OPERATOR MULTI-TRANSMITTER

N2RM12,199,016
K3LR11,370,057
W3PLP9,638,216
K1KI8,887,262
KY1H8,643,627
N3RS6,453,540
N4ZC6,048,323

honors. Operating at the weekend cottage of N2RM, they talked their way to the top. In second place was K3LR. Tim's crew caught his enthusiasm and took K3LR to new heights. They took full advantage of their proximity to VE to work our Canadian neighbors in great numbers.

Team Contesting

The leader of the team pack was the YCCC team captains. They put their locations to good use and edged out the first Team Yugoslavia effort. The Yugoslavian contest team made all contestants happy with their DXpeditions to VP2 and 3V8. They hope to repeat their efforts again this year.

The Notepad

Please make a note of several housekeeping chores that you can perform to make life easier for the CQ WW Committee. Please send us your disk no matter how many QSOs you make. A disk is REQUIRED from all potential high-scoring stations regardless of category.

You can send a disk plus a paper summary sheet. It bears saying again that the disk label should contain your CALLSIGN, MODE, and CATEGORY. On the disk should be the proper file. If you use CT, send the .BIN file named with your call. For example, when ZS6EZ sends in a disk, the file should be named ZS6EZ.BIN. If you use TR, send in the .DAT file; NA the .QDF file. Please avoid DBF files. There are too many variations for use to easily read each one. If you have a non-common program—i.e., other than CT, TR, or NA—please make sure that you give files that consist of a single column of calls in the order that you worked them on the band. For example, if you were all band, you should send six different files, each file having the name of your call.160.your call.80, etc.

If we received disks from all participants, we could have the results out much earlier. In 1995 over 1000 disks were received for SSB. Of these, about 900 were readable. The rest were damaged or had DBF files that were too difficult to read. On those disks were 1.1 million log entries representing 85,000 different call-signs. Of these 85,000 calls, 47,000 were worked by only one person in the database. If you send in a disk and wish to see your unique list send an e-mail to <K3EST@netcom.com>.

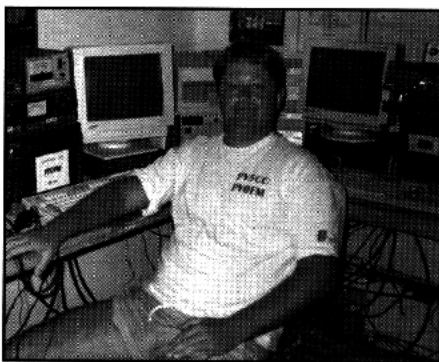
The level of operating skill has dramatically increased over the last few years. Operators are really trying to get the calls of the stations that they work correct.

Coverage Expansion

Due to space limitations, some aspects of these results cannot appear in CQ. Now, however, we are pleased to be able to present a more detailed analysis in CQ Contest magazine (also published by CQ Communications). The band-by-band breakdown for Europe and for most active zones will be in the October issue of CQ Contest.

Thanks

Thanks to all the faithful log checkers who validated the winners. The hard-working crew includes: K1DG, K22S, KR2J, N3ED, W2RQ, W3ZZ, N2AA, WR3G, WA8YVR, W9RE, KR0Y, K3ZO, N6ZZ, W7EJ, N8BJQ, K6NA,



PY5CC relaxing at the controls of PY0FM.

and K3UA. Our DX advisors were very useful in sorting out potential problems; they are JE1CKA, OH2KI, OH2MM, S50A, OK2FD, I2UIY, EA3DU, G3SXW, PY5EG, CT1BOH, ON6TT, DL6RAI, VE3EJ, and UA9BA.

A special thanks to Dick, N6AA, who spent countless hours to make the CQ WW database the best in contesting. We at CQ WW use the software developed by N6TR. Tree improved the depth of checking this year, and we want to thank him for his long, hard work.

Congratulations to all the winners. Make sure that you are a participant this year. To participate is what it's all about! From all of us on the CQ WW, 73 and CU in '96!

Bob, K3EST

USA QRM

Most DX stations do not listen above 7225 (the General portion) . . . W1WMM. Wish the Europeans would listen for West Coast stations . . . KJ6ZH. Best we've ever done from N4ZC. Bad QRM from lightning and antenna rain noise for first 3 hours . . . N4ZC. I love packet. I hate packet! It's addicting, but it sure makes it difficult to call CQ for any length of time. Too many "fun" distractions . . . WZ6Z. After all these years, I still enjoy this contest for all the DX it brings out in a weekend . . . N6HK. My second contact was my first overseas contact—thrilling! . . . KB2THF. Third year in a row to finish behind K1AR! Will try again next year . . . K5ZD/1. Greatest African openings I've seen in 36 years of operating . . . KC7DB.

Single op is the best! I have a lot to learn about doing it right, though . . . KM3T (at K1MNS). First time QRP in a contest. Can't believe I worked RA0FU and ZD8Z with 5 watts and a vertical . . . N7XCZ. We set it up, we learned how to use it, we didn't spill any beer on it, and we had LOADS of fun using it. Now that we are getting it figured out, WATCH OUT for us next year! Many thanks to Don, K5AAD, for providing us with the opportunity . . . W5UW gang. I worked 22 new countries on 40M. My goal was 20, so I'm happy

. . . WA2CNV. In 2 months back on the air after 29 years off, I worked 2 stns on 15. Sunday in CQ WW on 15 was therefore a particular thrill . . . WA0KIR/2. Calculating the QSO points is always a highlight . . . N2AUK.

Worked the contest between calls at the firehouse! . . . WB3ECU. Worked zones 23, 34, and 2 in zone 26! Unheard of! . . . K6YRA. 1995 was my 40th year in amateur radio. Always a pleasure to meet old friends . . . W9GXR. We went on a surf fishing trip. So we thought why not take a rig and antenna and operate in the BIG DX contest? We didn't make much of a score, but we had a lot of fun. (We didn't catch any fish either!) . . . W4TMN. First time at new QTH—with new daughter! I was not on for long, but it is nice to be back! . . . KR0U. With 3 minutes left in the test, I found XZ1A working split. I gave a call and what a thrill hearing him come right back to me! . . . KK9A. Boy, I hate restrictive communities! Thanks for the excellent conditions . . . K3YDX.

Most enjoyable was working KL7Y for a new country and state on 160 . . . KC4YM. This was my first contest. I had a ball and will do it again . . . KD4TWP. This was my first contest ever! I'm sure it won't be my last. Very exciting . . . KB0SDB. Checked 10 meter band and it was dead. Checked it again and found it wide open! Made 41 QSOs in about an hour . . . N6IBP. Biggest thrill was breaking through on the RA0FU pile-up with my tribander at 53 feet and low power . . . N9VVV. This was my first CQ WW, but it won't be my last. SSB was more fun than I thought it would be, with 50 watts and a 2-el X-beam pointed south . . . N3UMA. My first concentrated effort in the CQ WW. I had a fabulous time . . . K8IKW. If this is bad conditions, good conditions must be fantastic . . . KV1W.

Getting KL7Y on 160. Now only need ME for WAS . . . WK5K. It pays to go to church! After early mass, I came home to find the band wide open! . . . WT8P. Great contest! Best in years. Everybody moved around bands instead of staying on the highest band. My body can't take too many more of these marathons, but it's better to burn out than to fade away . . . WK6V. After almost 40 years in this contest, meeting old friends who know your name and QTH before you give it . . . K7ABV. Biggest thrill was getting SU2MT and HC8A in pile-ups with my mobile . . . W8ILC. Fastest fingers on the VFO: WH6R after working him on 40 meters split after a change in listening frequency . . . N2PEB.

Murphy visited on Friday—cold, wind, fog, rain. Whose idea was it to operate portable from the mountains? See you next year . . . W4NC. Broke my personal best rate. I saw 139/hr at 17Z on Saturday . . . K2WK. Operated from a cabin at 3500 feet. Antenna was a vertical at 10 feet. Slept Saturday morning and battery powered for all QSOs. Thanks for great contest . . . KC4UCK. Used a balloon vertical for 160 . . . NOBY. My first contest since the Novice Roundup. I have been licensed less than a year. Wish 10 would have opened more . . . N9ZPE. I especially love contesting when the band is about ready to fold. The local QRM goes away and the band seems to open up before you, and you are able to hear and work very weak stations . . . KC2X/4.

TEAM CONTESTING

1. YCCC Team Captains: 22,507,646. By K1AR, K5ZD, KM3T, N6BV, W2SC.
2. Yugoslavian Contest Team: 18,673,653. By VP2ENR (Opr. YU1NR), 3V8BB (Opr. YT1AD), YT6A, YU7AV, YT1AD (Opr. YU1DX).
3. Team 444 DXers: 4,504,107. By VE2QRZ (Opr. WB2K), AA2U, K2AZ, KR2Q.
4. Equipo Litoral Argentino: 2,081,588. By LR3F (Opr. LU6FAZ), L5F (Opr. LU1FNH), L7F (Opr. LU7FEU).
5. Lithuanian DX Group #1: 2,047,028. By LY1DS, LY2LA.
6. Lithuanian DX Group #2: 1,707,458. By LY2DX, LY35FW, LY5W.
7. Klev Contesting Team: 869,840. By UT4UZ, UT5UGR, UX1UA.
8. Team Afrab: 740,973. By F6BVB, F6IIV, F5HWB, FB1OWN.
9. Number Thirteen: 616,988. By EA1MK, EA1OT, EA1YB.
10. Elettra Marconi: 231,415. By IY0TCI, I5NXD, IS0PFD, IK5MEQ, IK2CQF.
11. Sake, Lager & Milk: 225,682. By WV3U, N4YKD, N4KWX.

BAND-BY BAND BREAKDOWN—TOP ALL BAND SCORES

Number groups indicate: QSOs/Zones/Countries on each band

WORLD TOP SINGLE OPERATOR, ALL BAND

Station	160	80	40	20	15	10
EA8AH	87/11/49	500/22/75	1073/26/94	1507/34/104	2109/29/96	584/20/71
TI1C	46/9/16	660/22/66	954/25/85	1637/26/95	2644/31/107	124/16/26
3V8BB	244/10/50	267/12/55	576/23/73	1027/37/118	1399/35/110	594/21/76
8R1K	42/8/17	300/18/54	802/24/80	1108/32/105	1980/27/98	404/22/65
SU2MT	60/7/32	192/16/59	858/21/80	928/33/106	1630/33/110	334/18/63
XM3EJ	303/11/20	521/14/59	651/27/90	1374/37/114	1626/29/115	86/12/26
S5ØA	78/6/49	164/10/57	610/27/96	1411/35/114	1387/36/111	138/25/61
G1ØKOW	230/8/51	435/11/59	874/25/92	2026/33/114	818/30/104	109/15/51
Y76A	291/22/69	312/25/74	910/27/87	832/32/105	1345/34/111	340/22/68
P4ØE	23/7/17	295/18/45	782/23/67	803/27/79	1642/26/84	357/16/31

USA TOP SINGLE OPERATOR, ALL BAND

Station	160	80	40	20	15	10
K1AR	26/8/21	334/17/70	254/25/78	1401/39/139	1446/32/132	62/13/25
K5ZD/1	71/12/38	322/16/71	199/21/79	1451/36/124	1169/28/110	96/9/25
KM3T/1	12/5/7	307/13/60	162/16/67	1096/32/109	1132/29/107	76/13/28
N6BV/1	34/8/23	263/12/61	110/18/59	1029/31/113	1281/29/107	8/2/3
AA1K/3	44/11/28	91/14/53	133/19/63	1135/36/119	846/26/107	74/12/22
W2SC/1	29/9/20	232/14/67	196/22/78	679/31/100	1094/28/107	28/8/15
N21C/Ø	40/11/20	79/17/38	394/30/70	807/35/115	756/30/93	91/11/24
N2LT	23/10/22	153/14/53	109/21/60	621/30/103	1180/28/112	62/10/20
W9RE	36/10/23	112/17/52	183/27/74	656/37/121	889/28/112	93/10/25
K3ZO	13/7/10	140/15/52	183/20/65	1114/32/120	753/25/95	17/3/4

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

IQ4A	62/12/62	271/30/106	1010/37/122	1531/40/145	2348/38/157	188/31/107
ED9EA	37/6/26	416/19/76	1581/23/87	1492/35/127	1938/33/125	752/21/89
6D2X	65/10/15	285/24/62	1478/34/108	1376/36/119	2999/31/119	249/18/40
LZ9A	174/20/71	365/34/100	916/39/137	1122/40/150	1660/38/135	571/34/114
8P9Z	149/8/25	304/18/60	1164/26/92	1619/37/123	2165/35/118	494/21/69
FG5BG	204/10/44	464/16/70	1403/26/94	1394/31/107	2039/33/110	427/21/62

USA MULTI-OPERATOR SINGLE TRANSMITTER

KC1XX	30/10/38	319/21/85	173/28/88	1418/40/155	1082/30/140	53/17/46
K2TR	41/12/42	375/21/89	170/29/95	1379/39/152	811/31/139	52/16/52
N2NU	55/12/51	354/19/78	131/28/85	1140/38/146	1006/31/142	57/17/45
KF2ET	24/12/28	253/19/79	210/31/92	1144/37/146	865/30/138	42/17/44
W1FJ	39/10/43	430/19/85	189/27/92	775/39/131	1048/29/137	45/18/42
K1NG	49/13/43	164/19/79	156/27/92	1082/39/151	799/31/146	90/20/51

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

PJ9B	255/14/38	1186/27/101	2011/30/115	4088/37/151	4893/33/147	1481/25/98
V26B	431/13/40	916/21/87	2046/29/106	4028/37/144	3573/34/142	936/23/83
GØKPW	877/13/76	1557/25/101	1804/36/127	2542/39/155	2067/38/174	706/27/105
9A1A	584/11/59	1480/28/106	2332/37/139	2831/40/159	2482/37/118	464/22/72
OT5A	809/12/61	1123/22/83	1960/35/122	2894/40/155	1716/39/149	622/23/90
HG73DX	584/11/68	1257/20/89	1973/37/141	2235/38/143	2209/39/149	667/31/105

USA MULTI-OPERATOR MULTI-TRANSMITTER

N2RM	194/15/63	757/22/98	666/31/110	2033/39/159	1715/32/154	277/19/52
K3LR	147/12/40	904/24/91	499/34/100	2254/40/182	1406/33/153	189/20/44
W3LPL	170/13/52	695/22/93	527/29/104	1734/40/161	1398/32/151	245/18/49
K1KI	125/14/59	449/20/84	327/28/94	1664/38/153	1719/28/148	129/19/49
KY1H	134/14/47	604/19/83	393/31/94	2138/40/149	1210/31/138	279/18/47
N4ZC	50/14/35	256/21/81	400/31/97	1365/40/155	922/29/138	182/16/34

DX QRM

First time on 40 meters single band. Too much QRM. Big signal from 9M8R since 3 hours before my sunset. No zone 30?? . . . PYØFM (Opr. PY5CC). Great conditions. This activity from this new one gave me the emotion of my first contest . . . IG9R (Opr. 14UFH). I wanted to try 15 meters, but rotor died before the contest, so I was trying on this band full of "jam," and I am happy with the result . . . OK1RI. Conditions were very good most of the weekend for us. Our score was well up over last year's. Ten meters yielded some very nice multipliers, but no rate. We could hear the EA's running on Sunday, but could not hear what they were working. Highlight was working 9M8R when the whole of Europe seemed to be calling him . . . EI7M.

Missed JT1Z and FR5DX; both were worked locally. In part made up by catching XZ1A before most UK was even out of bed. KHØAM and FK boys also helped . . . G3LZQ. Many stations worked under 7040 kHz. Forty meters is short, but it is not a very good ham spirit to work like this . . . F5PHW. What a thrill to work Far East on top band with low power . . . ON4AUC. Poor propagation, low power, a vertical antenna, wind, rain, power-line static—but it was FUN! . . . PY2EMT. I know a lot of people called me, but the noise in North Africa is very high even with three Rx antennas! Thank you for calling . . . IG9W (Opr. IV3SHF). Very good propagation JA to world wide, but weary of QRM. QRP is hard! . . . JA2JSF. Unexpected conditions on 15 meters! My best score for this band ever . . . UT4UZ.

Surprised when I got HC8A on a CQ . . . LY35FW. We warned the ionosphere, Hi! From my side the queen of the bands was 15 with good openings. Incredible knowing that we are the bottom of the well . . . EA3EJ. My vacation: sun, sea, and WW DX! . . . SV5/IN3QBR. This was a fun blend of newer and

experienced contest operators. We operated from the QTH of N6VI. Ten and 15 meters were pleasant surprises; low bands were disappointing. Many Europeans would have zone 31 on lower bands if they had heard us through the closer-in QRM. We heard them very well . . . WH6R. Big typhoon attacked my new antenna system and crashed them down. But I could still enjoy 10 meters as usual . . . JH6SQI. Ten meters was better than expected. Another fun-making contest! . . . DL1BFZ.

First time running low power in the contest. I enjoy it . . . V44NK. This is the first time our club reached a million points. We set a new T9 record for the SSB part and will try to do better on CW. We like to play with keys more than sing into a microphone . . . T99MT. This was my first contest—beautiful and fantastic! . . . IK2YSA. I was very surprised that TY1IJ called me on a CQ! . . . JH9OPJ. This was my first time in this contest and I enjoyed participating immensely . . . VK4KSB. This was my first contest . . . LZ5QZ (age 13). More fun than human beings should be allowed to have! . . . WL7CMK. CQ WW—four magic letters! . . . YU5ØBO. Contest was the best as always, but band was closed down more than 10 hours. Hope I gave a good chance operators to work VP2E . . . VP2ENR (Opr. YU1NR).

The going on 40 was very tough this year. I observed many stations operating very low in the band. This caused a great deal of friction on the air and after the contest. I think the time for everyone to cooperate is now if we do not want the situation to aggravate . . . PAØMIR. It's an adventure every year! The new callign was lots of fun. Not being heard on the low bands wasn't! . . . VE2QRZ (Opr. WB2K). Came home from gall bladder operation one week before the contest! Decided to go single band 20 . . . S59A. This was my first WW contest. I tried to work most of the contest, but I lost my voice for about one week . . .

DL1RHH. I hope everyone interested in working the IG9 mult on 40 meters. I will be on Lampedusa again next year. It's a good place for swimming, YL's, fishing, and working on antennas for CQ WW! . . . IG9A (Opr. IT9GSF).

First time all band in CQ WW. Awake for 48 hours. Amazingly, I didn't feel tired. All keyed up, I guess . . . VE9ST. Highpoint was breaking through the pile-up on VK6APZ as the sun came up—Zone 29 and my longest haul QSO! . . . XE1/AA6RX. My age is 25. I don't have to get married. I am "married" to CQ WW DX contest . . . JHØFWV. My favorite contest. Always great fun and pleasure to QRV. I was so surprised to be heard in pile-ups with 100 watts and my 5-el log-periodic homebrew antenna! Some strange propagation allowed a QSO with XZ1A over the South Pole, currently a very difficult path . . . CE2EZE. Monday morning at 7 AM my wife said, "Wake up, Vangelis." I replied, "CQ Contest!" . . . SV2BFN.

Had a great time, but my neighbors won't talk to me anymore! All my wire antennas were mysteriously torn down the next day! . . . XM7GFS. Have been on for 35 hours, and enjoyed every minute of it! . . . PAØRCT. Worked the contest from a hut without electricity. I used a 12 volt car battery. My rotor broke, so I had to turn the antenna by hand. The toilet didn't work; I had to use buckets to flush it! The temperature was 8C so had to heat by using gas, which ran out in a few hours. As a light I used candles to save energy for the transmitter . . . DL4RCE. It was very nice to QSO with XY1HT and XZ1A on SSB. I worked XZ1TH way back in 1961 on 14 MHz CW only, so this time I got XZ on several bands . . . HL5AP. I cannot recall hearing so many strong stations on 20 for the last 30 years. Incredible! . . . OZ5KG.

My first CQ WW test. Conditions were quite good, but where was Oceania? Thanks to all who pulled me out of the QRM. It was worse than a war! No clear fre-

VE5SJA, VE6AO: VE6AMR, VE6RTL, VE6NJK, VE6CIZ, VE6KLO, VE6RUV, VE6KC, VE6FKR, VE6TFM, VE6BIR, VE6RAJ, VE6HFW, VE6JY & VE6MX, VE6FR, VE6LD, VE6FB, VE6BMR, VE6SV & VE6NAP, V01CV, VE6ZC & VE6MSN, VE7ZZZ: VE7JMN, VE7SK, VE7RBL, VE7DBS, VE7TCP, VE7PTT, VE7YU, VE7EME, VE6PDQ, **VK1DX:** Canberra DX Club. **VK4MZ & VK4EMM.** **V02WL:** AH9B, N0AFW, KD0XK, WA0PUJ. **VP2VE & VE2CJX/VP2V, VP20/VP2V, NP2L/VP2V.** **VP5S:** KC4FWS, N4KE, NU4Y, W3ZNB, W44EYX, W4K5P, W4MAI, W4K. **VP5WV:** AB40M, K40KQ, K44WV, K4Y0, K0LZU, N4WV, N4X4. **VS6W0 & 9V1Y:** VR2G0, VR2NR, **W00F & N0LNO.** K0VM, A0W0, N6WLY, N0UFZ.

W1FJ & K1JKS, W1KM, K1XM, N81B **W1FY:** N1L00, W1E0W, KA1USL, N1ECL, N1DCT, W1KUG, KA1JIR, N1UWJ, KA1ALT, N1SKS, N1M0G, KC1YR, K1AZZ, N1TYF, W1A1R, KA1HIA, K01BF, K6E0PL, WR1P, AA1IZ, W1MXC, KE18G, N1VYL, K1LOG, N1SHF, KA1HGL, N1TIM, N1JFO, N1VYF, AA1KY, N1UVA, **W2AX/1 & VE1XT,** VE1AL, N2FF, K2LE, NA2M, N2UN, K2SX, **W2CRS/0 & N0LRJ.** **W2RR:**

K82NMV, N20LT, W2KKZ, W2WVC, W2A0G, W2B2AD, **W3GNQ & W3WJD,** W3Z, AA6DC, W3G0H, **W4NC:** K65LH, N0KTY, W4K0N, KD4VE, KC4VY, KD4RG, N4VHK, **W4PRO & W0D0CQ,** K04MR, **W4TMM & W3WFF,** KA3VGF, **W5HTK & N5HEL,** N5FF, KA7GLA, N5LWT, KA0RNY, K850XJ, **W5UW:** K5AAD, N5UCO, K650W, W5P0K, **W6EEN & K6XC,** KA6SAR, **W6YRA:** K6BLDO, K6BKE, K6RCR, W6A6YI, K6U7. **W9JZ:** K9IMM, N9CHN, W9NOV, K9EPT, K9EAF, K9EXN, K9KVA, N9OM. **W9UI & N9AG.** **W9YB:** AD40S, KE4USA.

W4C & N2GMA, K2TZF, **W4GTV & K06KPP.** **W4TMM & W7TWL,** W4T0EM, **W82U0 & K89BAL,** KC7EUP, **W5TE & UA0SJ.** **W730 & KC3NE,** NC3C, NU3Y, KA3PLS, **WV1M & WS1Y.** **XL2MCZ & VE2KQ,** VE2LJP, **XL2MCZ:** VE2MCZ, VE2KQ, VE2LJP. **XM76FS:** VE7GFC, VE7GFS, Palmer, Langeler. **XY1HT:** 9M2BZ, JA8RUZ, LA7JO, G3NOM. **Y79N:** YU7BW, 4N7ZZ, YU7LM, YU70M. **YU1AAV:** Nenad, Zoly, Zika, Sasa, Slavko. **YU7AL:** Ivan, Goram, Al. **ZC4DX:** G0BQV, G0MRF, G0OHV, G0ONA, G0PZA, G0RHB, ZC4AB, ZC40S, ZC4ZLB. **ZF2DX:**

K1KNO, KJ4WC, K7LXC. **ZM2K:** ZL2BHS, ZL2AGY, ZL2BSJ, ZL2IR, ZL2DX. **ZP8R:** ZP5XF, ZP5AZL, ZP5XYE, **ZP5WVY & ZP5ALI,** ZP5GL, ZP5DX, ZP5YW. **ZS4K & ZS40,** ZS6BRZ. **ZS5NK:** Pogioter, Hubbard. **ZS6SA & ZS6YA.**

STATION OPERATORS Multi-Op Multi-Transmitter

9A1A: 9A2B, 9A2R, 9A2DQ, 9A2EU, 9A3GW, 9A3NR, 9A5W, 9A6D, 9A7R, 9A9AA, 9A9A, S58KW. **9A5D:** 9A2FK, 9A2TL, 9A3AM, 9A3DU, 9A3M, 9A3VM, 9A4C, 9A4G, 9A6TA, 9A6TB, 9A6TC, Duro, M Tomi. **AA2Z & K1ZZ.** **DF3QG & DJ1FC.** **DK5E & DK4TF,** DL9JT, DL3EBX, DL6EAQ, DL4EBA. **EA2AU & EA2AM,** EA2AW, EA2BSJ, EA2CGA, EA2AFY. **ED4RC:** EA4ABB, Munoz, Ruiz, Vargas, Gals, EC4DFP, Fernandez, EA4ELS, FE5OCE, Rivera, EC4DFO, EA1DDF, Rathmann. **ED6B:** EA3AA, EA3RQ, EA3CKX, EA3CUU, EA3EZO, EA3UJ, EA6AA, EA6AD, EA6FB, EA6FO, EA6PZ, EA6QB, EA6SE, EC6PJ. **ED7ES:** EA7ESH, EA7BJV, EA7AIM, EC7ADD. **EM2I:** UT2IA, UT2ID, UT2I, UT2J, UT2IM, UT2IN, UT2IO, UT2IS, UT2IV, UT2V, UT2Y, UT2Z, US2IR, US8IM, UR3IPP. **EM7Q:** JY5Z, UR5QN, UR90Q, US50RW, UT2QT, UR30T.

G0KPW: G4BAH, G3VHB, G4BU0, G4P1Q, G4BWP, G4VMM, G3NLY, G3LNS, K1XX, G3NKC, G0WCW, G7ABQ, G4CBQ, G0KRL, G0AFH, G0HSS, G4BBU, G4SWX, G4WFR, S50K. **GM4DMZ:** GM3W0J, GM4AF, GM4BAP, GM4TX, GM4YX. **HG73DX:** HA1AH, HA1AR, HA1AV, HA1DAC, HA1DAE, HA1TJ, HA2FX, HA4VR, HA6ND, HA6NF, HA6NL, HA6NY, HA6O0. **H3/WA2VUY & N02R.** **HK0/KH8AL & W7TSQ,** JH1NBN, JI3ERV. **J1AYDU:** JH0NZN, JF7FK, JR0JFM, JK3GD, JJ20EH, 7L1DGK, JL2IUW. **J43KYC:** JP2BZE, JH3PHO, JQ3UGI, JM3FV, JP3PZ, JG4LHR, JL4CVB, JE50TS, JG6BMJ, JP6RBN, J9GMX, Fukuda. **JA3Z0H:** JH3DPB, JH3FRN, JH3JEW, JG3KIV, JG3MRT, JI3DPA, JM3XK, JH4JF, JH4NM, JF4FUF, K6UMB. **JH5ZJS:** JA5BJC, JA5JC, JH5RXS, JR5VHU, JR5PDX, JK12HH. JR1BTG, JE1HXZ, TK2LMR, 7M2MKP, JASVYG.

JR1ZTT: JH1MS0, JR1LW, 7M3ER, 7K4LB, JK2FGD, JG3AXP, JJ3PKB, JG5JYL, JA9VA, JE0BK, JF0MQX, JR0UJU, JR0XHL, Akiko, Megumi, Matsuoto, Nakamoto. **JT1Z:** J11BL, J11CS, K6MC, N6AA, N6TW, N6ZZ, W6MK3, W6XD. **K1KI & K1CC,** K1RM, K1TO, K1G1W, K1S1J, K2FZE, W10D, W1RM. **K1SSN:** W870, K1LL, K8XN. **K3ANS & WF3H,** N2BIM, N3RCA, N2KJM, AA3JU, N3JGX, N2TTP, ITRBJ. **K3LR & N3BJ,** K8G0, N0BSH, W8YVR, W8BIXE, W8X9E, K8CX, W83G, N8LB, W83D. **K6VI & W6CCP,** W6U0F, K6GAZ, K7FR & K7PK, W7WMO, N7AUU, KA7EK, L8W7UPU. **K7FR & W7WMO,** K7PK, KA7EK, W87UPU, N7AUU, **K8WY & others.** **SP2PK:** SP2WKB, SP2UKT, S02CFH, SP2RIU. **K8GCW & K8BEC0,** K8B0C, K8BFF, K8AQM, K8EF, NUBZ. **K8BAM:** JE1CKA, AH0K, KH0BA, JA1VSW, JF1MIA, JR1EFG, JH1GTX, JZ2JCV, JZ2PCY, JA6VZB. **K06IG & others.** **KY1H & KB2HU,** WR1X, N1M0D, KA1NCC, AA1ND, KM1P, WR2I, K1MBO, KB2UCV, WM1K, WK10, RX3QA, KA2WEI, W82KD0, WA1ZAM, NTXZ.

L3HL: AZ3HA, LU3HL. **LA1R:** LA4EU, LA3EDA, LA5JA, LA3JA, LA4GA, LU4FM: LU1FMS, LU1FOW, LU1EYU, LU2FY, LU4FPZ, LU5FA0, LU5FY, LU6FH, LU6FV, LU6FK, LU7DP, LU7DW, LU8FU, LU8FVS, LU9FD, LU9FM, LU9FO, AZBFD, **LV/DL4OCL & DL30BU,** DL60X, DL80BC. **LY35D0:** LY1EE, LY1DF, LY2AO, LY2BMX, LY2BUE, LY2KZ, LY2NK, LY2UF, LY3BLF, LY3DA, LY30G, LY4AA, LYR346, Talefiks. **LZ7M:** Drago, LZ3FN, LZ4AX, LZ5VJ, RV0AM. **N0UEI & KE0MF,** K80NUY. **N2RM & N2NT,** WM2H, K2ZS, K2TW, N2AA, K3UA, W2RQ, N2BCO, K2EPF, W2GMA. **N3RS & KY2T,** WN3K, KE3GA, N3RD. **N4CC & K2SD,** KB2LH, W23Q, AA45Q, AA4ZZ, K4MQG, KE4EW, K4HN, KU4V, WA4UNZ, W4BTF, W85M, W5VWV, AA0ME. **N6AW & W6BA,** N6FH, W6HT, KJ6GC, K6C6NV, K7JYE. **NE3F & K3F3,** NT3V, K3ATO, N3JLL, AA3AO. **NK7U & K6LF,** WA60QF, K6HKK, W77RC.

OH3NE: OH1HS, OH1KAG, OH2AW, OH3FM, OH3KCB, OH3LQ, OH3MP, OH3MH, OH3NH. **OK1KIR:** OK1PF, OK1PN, OK1AKF, OK1AWH, OK1IMC, OK1IPN, OK1FJB. **OK10KE:** OK10UT, OK1FUT, OK1VBA. **OT5A:** DJ4AX, DL3EBM, OM3TJW, ON1ACV, ON1AEI, ON1AFF, ON1AFN, ON1ARZ, ON1AWB, ON1CIC, ON1CKE, ON1GL, ON2AC, ON2A1M, ON4ACA, ON4AID, ON4AUJ, ON4AKH, ON4AME, ON4AML, ON4AMX, ON4ASB, ON4AUC, ON4AVM, ON4AWH, ON4AWU, ON4AWV, ON4BAG, ON4BBF, ON4BBL, ON4BCB, ON4BEI, ON4CAS, ON4DB, ON4MA, ON4MY, ON5CD, ON5DH, ON5G0, ON5OT, ON5UM, ON5WL, ON5YI, ON6HP, ON6H, ON6ML, ON6MR, ON6OW, ON6PU, ON7DU, ON7HU, ON7NB, ON7TK, ON7YZ, ON9CFB, ON9CGR, ONI2309, ONI4335, ONI6975, ONI9536, PA3EBT, PA3EVL, PA3GEO, PA3G0J, PE1AYX, SWL NL-Johan.

PA6V: Club. **PA4COM:** PA3ALP, PA3BBP, PA3CAL, PA3DMM, PA3ERC, PA3EWP, PA3FDD, PA3FOA, PA3GBO, PA3OAC, P80AE, IK4SXJ. **PJ9B:** WA3LR0, N3ED, K1DG, K3EST, WN4KHN, K2S9, W3UM. **S56M & S57NLV.** **TK2C:** TK5EP, TK5MH, TK5UN, DF4RD, DF7RX, DK20Y, DK6WL. **V26B:** W73Q, N3BNA, AB2E, KA2AEV, K3MQH, KF3P, N3ADL, WA2UDT, KR2J, W82P. **VA9DH & A69A,** K2NJ, NR2H, VE2ZP, VE9BM, VE9DX, VE9GJ, VE9MY, VE9WH, W9NGA, WX3N. **VE5RI:** VE5FF, VE5FN, VE5HWK, VE5SD, VE5VI, VE6BBP, VE6BDP, VE6EZ, **VE6FI:** VE6LB, VE6NA, VE6BIC, VE6AQ, VE6ARA, VE6GL. **VP5T:** N2VW, W8Y0F, KE2CP. **WY2CR:** WY2GJ, WY2RB, WY2SA, WY2GWM, WY2JG, WY2ROB. **WB4I/9 & K0FV:** N0AXL, A0VQ, A0Y, A0D, A09C, K0MA, W89EEA, G3NAQ.

W3PL & K1RZ, WR3E, KC3EK, ND3F, K23H, N3KTV, N30RY, K3RA, K3RV, W3ZZ, W4DR, N50KR, WA6GV. **W3MM & W3FV,** KF3B. **W4IY:** KA4RRU, N4DXS, KJ4VJ, W44XB, W44RDV, K4CZH0, W4NFS, W4ARMJ, K04FM, K44AD, K7SV, K04VN, K04XJ, AC4XT, KE4SJR, K8MLM, AA3KX, Martha, Debbie. **W4MYA & W4DAI,** KD4JY, A04TS, A04TU, K54RX, K04UF, WU4G, WK4Y, AC40B, KB4DI, A04KE, K14GM, Vicky. **WH6R & AH610,** KH6KL, KH6IF, K17BV, N6DLU, N6IC, N6VI, N6XO, N6YK, N6YV, N6GOK. **XE2DV & XE2DU,** A17R, N7WFW, K6WDV. **XZ1A:** JA1BK, K5FUV, N7NG, OH2BH. **Y79W:** YU1ZU, YU1JW, YU1Y, YU1YA, YU1VA, YU1AC, YU1MA, YU1PT, YU1FX, YU1EW, YU1CL, YU6AR, Vol. Y11BB, YU1EA, YU1QW, YU4AV, Y21AU, Y21KW, YU1EA, Y21BE. **YV3AJ:** YV3CFE, YV3E1D, YV3FX, YV3BXH, YV5MMAA, YV3ED0, YV3BKC, YV6G: YU6DD, YU6GR, YU6IM, YU6GAS.

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SSB RESULTS SINGLE OPERATOR NORTH AMERICA UNITED STATES

K1AR	A	6,147,537	3523	134	465
K5ZD/1		5,480,608	3308	122	447
KM3T/1		3,906,468	2785	100	378
N6BV/1		3,673,944	2725	100	366
W5SC/1		3,199,089	2258	112	387
AA2ON		1,320,660	1360	88	260
W1WEF		1,007,112	1051	88	260
AK1N		855,376	786	88	298
KV1W		724,449	817	82	237
W1KRS		591,888	684	73	231
K1EFI		486,624	631	61	213
N1OEK		347,300	551	53	177
K1YDG		300,440	426	70	189
W10P		270,840	398	67	177
K1BV		237,636	504	36	128
K1DS		102,560	244	48	112
K1TN		64,192	172	39	97
K1VW		45,810	179	25	65
K1CLN		38,480	133	27	77
AA1LU		28,686	146	17	54
KQ1F		7,224	52	23	33
K1DX		2,553	29	16	21
KA1GTR	21	130,268	394	25	91
KM1H	14	1,093,932	2008	40	149
(Opr. K1PLX)					
K2SS/1		952,408	2020	34	129
KS1L		732,685	1534	36	127
W1ZK		219,888	537	33	111
K1DWO		138,852	382	30	96
N1VAP		6,096	42	11	37
AE1D		1,188	22	2	16
KO1F	3.7	135,892	478	23	83
AD1G		81,270	307	21	83
N1AC		29,973	151	17	57
K1ZM	1.8	55,420	215	15	70
*WS1A		592,353	728	74	237
*KD1TM		337,930	528	61	174
*KG1D		310,503	449	67	182
*KB1JF/1		220,176	402	54	144
*AA1EY		218,380	350	64	180
*KD1SG		148,512	343	42	114
*NM1W		99,840	227	42	114
*NM1O		14,950	81	17	48
*N1LJA		14,469	149	28	67
*KA1A.T		12,688	76	20	41
*N1OFO		810	18	7	26
*KB1KM	21	124,540	339	25	105
*K1VJS		117,294	368	25	88
*W0MHK/1		96,142	319	22	84
*WB1HBB		88,192	241	26	102
*K2MM/1		3,360	40	5	23
*KD1YN	7	104,170	340	27	83
*W1WMM	7	88	4	4	4
*W1MK	3.7	8,112	74	13	35
(Opr. K2N1U)					
N2LT	A	2,985,423	2148	113	370
W6XR/2		2,065,944	1591	113	359
KE2C		1,761,858	1316	121	353
(Opr. N2AU)					
K2DM		1,694,540	1381	93	340
WA2ASM		680,385	754	83	252
N2MR		656,013	735	73	250
K4KFH/2		548,856	130	21	72
KB2SE		473,214	631	69	197
K2MP		400,780	503	78	219
AJ3K/2		295,864	440	71	177
WB2ZTH		256,522	367	71	180
N2AUK		256,444	385	57	187
K3JGJ/2		246,980	418	56	156
AA2VZ		182,928	332	59	147
WR2V		178,772	350	52	135
AA2IX		153,657	299	52	137
WA2ABN		124,763	253	49	130
K2FL		112,395	302	33	94
WB2AYQ		75,896	199	45	106
WB2YQH		73,970	200	33	97
KX2A/3		61,300	220	24	76
W2OMV		52,644	194	27	80
W2PAU		42,812	114	42	112
AA2YN		34,428	123	40	74
AE2T		32,307	129	27	62
WJ2O		22,989	103	23	56
AA2UA		20,381	90	27	62
N2VFN		19,505	87	22	61
K2GVM		14,910	76	22	49
KA2KFO		8,840	50	20	45
KF2YP		8,568	71	20	36
KA2YKN		5,207	69	12	29
W2EZ		1,820	27	10	16

N2KA		700	13	8	12
K2PS	28	1,008	21	10	14
KE2VB	21	207,577	601	23	98
KF2YX		1,040	19	5	15
N2PP	14	528,825	1133	37	128
K2MGA		116,235	340	30	92
W2HG		38,592	146	23	73
NIZC	7	44,700	164	24	76
KZ2I		19,182	103	15	54
AA2LC	3.7	29,082	171	14	60
AA7QZ/2		7,248	63	11	37
W2VO	1.8	10,962	76	14	49
*KR2Q	A	1,158,288	1034	101	308
*K2AZ		600,626	651	84	254
*N2INN		369,852	514	69	190
*NA2J		309,620	498	61	165
*N2PEB		300,134	456	70	169
*NA2A		243,072	405	53	158
*KB2DWO		235,004	414	47	149
*K2JF		227,164	345	72	172
*W2KHQ		195,408	379	45	132
*K6ZBN		189,024	377	46	133
*N2PKN		157,149	327	40	131
*AA2SZ		152,325	260	59	166
*NY2Z		123,012	256	64	137
*AA2GS		94,357	226	45	112
*K3FNW/2		80,642	474	61	125
*AA2TB		77,701	215	37	102
*N2LSK		75,755	203	38	101
*KM2L		65,879	206	30	83
*N2LEB		62,928	153	47	97
*WA2RZJ		62,832	223	27	75
*N2RMY		41,088	145	30	75
*AA2TM		24,750	125	19	47
*W2HGY		22,869	94	32	67
*KB4VL/2		22,320	111	18	54
*N2NRY		17,264	80	32	51
*N2LQO		16,080	82	28	52
*N2LDO		14,896	90	17	39
*K2HPJ		11,385	80	24	45
*WB2JFP		9,520	65	18	38
*KF2YP		8,568	71	20	36
*KF2C		8,460	141	19	41
*N2YXC		8,080	65	15	37
*W2LRO		4,185	58	19	26
*K6ZCS		4,122	111	21	28
*KF2ZW		3,354	34	16	23
*K2SWZ		3,154	37	14	24
*WA2CMV		3,120	30	15	25
*K2DB		3,024	38	14	22
*KB2TFH		2,100	27	11	17
*WA2YBI		1,174	35	15	19
*N2QWR	28	2,938	42	10	16
*N2DEM		1,026	20	6	13
*WA2QNW	21	258,100	659	26	119
*WAGK1R/2		3,990	40	12	26
*K2MFY	14	142,621	419	19	100
*K2BOW		65,472	350	23	61
*KB2RAS		45,069	192	22	60
*WA2FVL		20,723	142	23	50
*WA2ASQ	3.7	6,372	46	10	26
*KA2CDJ	1.8	1,104	22	8	15

*N3ZI		228,620	382	68	162
*KB3XJ		197,010	349	50	149
*N3UN		148,503	297	46	131
*NY3C		76,986	216	33	93
*K3YDX		59,160	157	42	103
*AA3FY		49,400	181	19	81
*K3LA		20,992	112	28	54
*W3JN		15,504	85	27	49
*N3QVD		8,296	56	26	35
*N3MTU		6,042	48	24	29
*WV3L		3,840	31	19	29
*W3DQ		1,638	23	10	16
*K3CPZ	28	15,226	122	15	31
*WB2BZ/R/3		12,650	113	15	31
*W3CPB	21	13,847	61	16	45
*WB3ECL	14	18,034	100	20	51
*N3UMA		2,574	43	11	22
*WV3S	7	16,896	109	18	46
WZ4F	A	2,099,856	1724	114	337
NQ4I		2,005,408	1611	118	346
N6AR/4		1,747,922	1281	122	370
K0EJ/4		1,039,669	978	101	290
K4XU		950,852	877	103	303
K4UH		671,944	724	85	253
K4I TA		590,538	640	81	248
W3VT/4		571,550	584	93	257
W4FD		489,880	593	85	212
W4ATH		485,760	550	84	246
N4TO		326,341	397	87	220
KE4CLE		262,314	407	72	162
W4NTI		245,729	363	61	190
K4RZ		212,652	387	50	143
KX30/4		197,890	272	75	182
KC4DWT		197,472	371	53	134
K4CSB		194,480	329	63	153
W4LJM		156,005	272	55	150
W1FN7/4		89,700	240	41	89
N4XSE		80,055	220	42	93
K4E4TUW		77,490	217	31	95
KB4TLO		72,048	184	51	101
KT4DQ		71,262	214	45	66
W1IHN/4		42,328	109	39	104
N4MM		34,650	132	38	61
W4VC		28,724	120	25	53
K4ZTL		21,420	91	21	63
KR4KL		21,168	100	26	58
WB4YEW		20,010	100	20	53
W4YV	28	25,811	199	15	38
KC2X/4	21	588,144	1460	31	133
KN9P/4		441,298	1068	28	115
N4BPA		305,885	627	29	102
N4CT		304,258	718	28	121
N4IJ	14	292,292	726	29	114
KV4P		184,023	529	29	98
K4HWG		10,904	77	16	42
N4HWH	7	51,039	176	29	78
KC4YM		38,537	158	23	66
AE4M		27,018	140	20	59
KC2KU/4		7,152	58	15	33
KI4DC		5,290	50	12	34
AA4MM	1.8	3,663	54	11	26
W4PSJ		80	9	5	3
*AC10/4	A	815,480	789	97	283
*WA4XZA		587,590	714	90	245
*WAGKUI/4		467,748	611	78	208
*KR4Q1		311,304	477	67	171
*K04MM		304,395	493	56	167
*KS4LP		150,829	275	72	131
*WA4JUK		149,283	317	49	122
*WB4VM		128,640	285	42	118
*K04KK		120,420	257	49	131
*N4YKD		117,000	250	48	132
*K4LVT		113,457	237	45	132
*KD4HYT		108,962	235	56	125
*N4KWX		104,842	221	53	125
*KD4LHA		104,646	239	44	119
*AB4K		88,425	260	37	94
*WB4FH		84,626	50	17	36
*K4PHE		84,840	241	42	90
*K3ARME		77,409	202	40	101
*W3FTG/4		72,631	186	47	104
*K4GIA		58,212	168	32	94
*K4AIKH		38,064	131	31	73
*K4KR		29,160	107	36	72
*AA4D		19,352			

W9RE	A	2,968,368	1969	129	407
W9BCV	"	186,984	339	66	145
W9RN	"	156,716	315	64	129
N9TFC	"	142,725	295	48	125
W9GXR	"	76,005	200	40	95
K9MDO	"	74,503	206	47	96
WD9HTC	"	47,824	156	45	77
W9BZP	"	15,152	94	19	43
W9SKOY	"	6,536	61	14	24
K09Y	21	261,372	664	28	110
K09LA	"	235,585	686	27	100
KF9YT	"	167,232	503	29	105
W9GIL	"	98,595	326	25	80
K9JUN	"	9,476	72	13	33
KK9A	14	772,310	1508	38	149
K9UWA	"	548,184	1059	39	143
W90F	"	169,022	445	34	110
K9CAN	"	148,463	417	31	96
W9A9TPQ	"	115,994	348	26	92
K90VB	"	105,696	283	30	102
K9YMF	"	104,864	329	29	84
W9RZW	"	53,088	200	25	71
W9T7T	"	35,316	161	20	61
W9DFEN	"	26,832	113	21	65
W9BZ	7	175,540	473	35	99
KF9G	"	17,733	96	21	48
K9CJ	"	16,006	93	5	18
N9OX	"	15,939	95	17	46
K9HMB	3.7	49,969	179	27	80
K9DX	"	23,785	142	21	50
*N9VVV	A	228,464	398	65	153
*K9JC	"	99,900	226	59	121
*K9SMS	"	47,244	132	46	81
*W9ILY	"	47,232	153	36	87
*W90LA/9	"	34,505	135	32	71
*W9BZPK	"	17,358	118	32	34
*A9AIV	"	16,906	90	28	51
*W99GY	"	12,040	71	27	43
*N9DXS	28	442	26	7	10
*N9ZPE	"	336	12	6	6
*K9JW	21	8,771	79	16	33
*W9IH	14	184,518	437	37	116
*W9LOQ	"	76,475	242	28	87
*W9LNU	"	14,400	71	17	58
*K9JPS	"	1,554	19	4	14
*N9GBB	"	1,127	20	10	13
*A9AIA	7	4,028	45	17	21

AMERICAN VIRGIN ISLANDS					
KP2/K3SKE	A	106,515	347	51	84
ANGUILLA					
VP2E	14	1,315,327	3026	35	134
		(Opr. W85CRG)			
VP2ENR	"	1,261,125	3183	37	140
		(Opr. YU1NR)			
BARBADOS					
*8P6DU	A	169,904	466	52	112
*8P6CV	14	35,112	230	21	45
BELIZE					
*V31MX	A	133,152	670	36	60
BERMUDA					
VP9DX	A	2,259,900	3016	87	237
		(Opr. N2MZH)			
CANADA					
VO1MP	A	2,824,963	2629	89	320
VE9ST	"	2,622,827	2648	92	307
VE9ZL	"	116,724	353	38	104
VE9AA	1.8	24,288	381	11	33
*VE1/W6KXP	A	178,536	411	46	126
*VE9KM	"	170,145	395	48	123
*VO1LT	21	10,432	150	8	25
VE2QRZ	A	2,424,489	2769	92	254
		(Opr. W82K)			
XJ3ZC/2	"	1,802,393	2040	89	273
VE2AYU	"	652,400	875	67	213
VE2YL	"	648,312	1050	59	179
VE2CQ	"	138,168	340	38	114
		(Opr. VE2MP2)			
VE2GW	"	14,129	78	25	46
*VE2AWR	A	129,200	339	39	113
*CG2GSX	28	4,266	59	9	18
*VE2ARX	14	27,450	144	16	59
		(Opr. T92K)			
XN3EJ	A	6,590,384	4561	130	424
XN3UK	"	608,565	1678	34	111
VE3XL	"	243,807	503	43	138
VE3ZD	"	132,927	303	54	123
VE3ZTH	"	63,080	155	53	113
VE3FW	"	13,440	160	18	66
VE3DNR	21	16	2	2	2
XJ3MG	14	1,058,126	2535	32	126
		(Opr. VA3MG)			
XJ3MM	"	1,049,256	2271	37	134
VE3OTL	"	178,542	717	28	81
VE3OBU	7	1,976	28	8	18
VE3PN	1.8	27,888	354	12	30
*VA3TA	A	247,025	466	55	150
*VE3ST	"	42,362	132	37	81
*VE3STT	"	21,175	118	27	50
*VA3SWG	"	20,133	321	33	70
*VA3DXR	"	5,866	89	16	20
*VE3SKX	"	2,108	37	11	23
*VE3HX	28	2,508	40	8	22
*VA3KA	21	86,920	291	22	84
*VA3JK	14	300,105	813	31	104
VE4RP	A	32,562	152	29	52
*VE4COZ	14	98,208	420	25	74
VF5FX	A	471,360	1085	61	121
VE6KRR	"	77,054	281	52	86
VE6NWS	"	27,594	270	21	42
*VE6BMX	21	34,279	245	19	40
*VE6SF	14	69,300	250	27	72
VE7IN	A	804,573	1450	84	159
VE7KD	"	732,000	1650	68	132
VE7XO	"	121,044	315	48	83
VA7A	14	831,150	2404	35	115
		(Opr. VE7XR)			
XN7NTT	7	430,540	1752	32	84
*XN7CFD	A	325,062	1202	49	78
*VE7TLK	"	181,884	995	40	52
*VE7ABC	14	86,797	513	21	52

CAYMAN ISLANDS					
ZF2DR	14	550,134	2191	27	90
		(Opr. K5RQ)			
COSTA RICA					
T11C	A	7,898,252	5065	129	395
		(Opr. T12CF)			
EL SALVADOR					
YS1ZV	A	1,042,093	1777	70	177
GUADELOUPE					
*FG/EA2KL	A	130,680	507	36	72
*FG/EA3ELM	21	68,018	385	19	52
HONDURAS					
*HR1ERL	A	292,334	1003	44	89
JAMAICA					
6Y5DA	A	567,824	1612	41	143
MEXICO					
XE1L	14	553,815	1698	40	115
XE1/AA6RX	3.7	57,460	413	20	48

ANGUILLA					
VP2E	14	1,315,327	3026	35	134
		(Opr. W85CRG)			
VP2ENR	"	1,261,125	3183	37	140
		(Opr. YU1NR)			
BARBADOS					
*8P6DU	A	169,904	466	52	112
*8P6CV	14	35,112	230	21	45
BELIZE					
*V31MX	A	133,152	670	36	60
BERMUDA					
VP9DX	A	2,259,900	3016	87	237
		(Opr. N2MZH)			
CANADA					
VO1MP	A	2,824,963	2629	89	320
VE9ST	"	2,622,827	2648	92	307
VE9ZL	"	116,724	353	38	104
VE9AA	1.8	24,288	381	11	33
*VE1/W6KXP	A	178,536	411	46	126
*VE9KM	"	170,145	395	48	123
*VO1LT	21	10,432	150	8	25
VE2QRZ	A	2,424,489	2769	92	254
		(Opr. W82K)			
XJ3ZC/2	"	1,802,393	2040	89	273
VE2AYU	"	652,400	875	67	213
VE2YL	"	648,312	1050	59	179
VE2CQ	"	138,168	340	38	114
		(Opr. VE2MP2)			
VE2GW	"	14,129	78	25	46
*VE2AWR	A	129,200	339	39	113
*CG2GSX	28	4,266	59	9	18
*VE2ARX	14	27,450	144	16	59
		(Opr. T92K)			
XN3EJ	A	6,590,384	4561	130	424
XN3UK	"	608,565	1678	34	111
VE3XL	"	243,807	503	43	138
VE3ZD	"	132,927	303	54	123
VE3ZTH	"	63,080	155	53	113
VE3FW	"	13,440	160	18	66
VE3DNR	21	16	2	2	2
XJ3MG	14	1,058,126	2535	32	126
		(Opr. VA3MG)			
XJ3MM	"	1,049,256	2271	37	134
VE3OTL	"	178,542	717	28	81
VE3OBU	7	1,976	28	8	18
VE3PN	1.8	27,888	354	12	30
*VA3TA	A	247,025	466	55	150
*VE3ST	"	42,362	132	37	81
*VE3STT	"	21,175	118	27	50
*VA3SWG	"	20,133	321	33	70
*VA3DXR	"	5,866	89	16	20
*VE3SKX	"	2,108	37	11	23
*VE3HX	28	2,508	40	8	22
*VA3KA	21	86,920	291	22	84
*VA3JK	14	300,105	813	31	104
VE4RP	A	32,562	152	29	52
*VE4COZ	14	98,208	420	25	74
VF5FX	A	471,360	1085	61	121
VE6KRR	"	77,054	281	52	86
VE6NWS	"	27,594	270	21	42
*VE6BMX	21	34,279	245	19	40
*VE6SF	14	69,300	250	27	72
VE7IN	A	804,573	1450	84	159
VE7KD	"	732,000	1650	68	132
VE7XO	"	121,044	315	48	83
VA7A	14	831,150	2404	35	115
		(Opr. VE7XR)			
XN7NTT	7	430,540	1752	32	84
*XN7CFD	A	325,062	1202	49	78
*VE7TLK	"	181,884	995	40	52
*VE7ABC	14	86,797	513	21	52

ASCENSION ISLAND					
ZD8Z	14	2,356,065	3925	38	167
		(Opr. N6TJ)			
CANARY ISLANDS					
EA8AH	A	10,999,592	5860	142	489
		(Opr. OH1RY)			
EA8CAL	"	1,004,360	1422		

*JH4WBY	714	14	10	11
*JAETH	2,175	30	10	19
*J4IHIKA	1,144	8	13	13
*JR4GPA	95,344	351	32	69
*JL4BSE	2,407	31	12	17
*JH4LPY	840	15	11	10
*JH4JNG	139,707	404	36	93
*JA1XCZ/4	34,443	152	28	61
*JH4YOX	3	1	1	1

(Opr. JA4HX)

JH5FXP	A 3,449,322	2832	126	300
JA5IP	102,200	268	56	90
JA5FDJ	21 1,045,128	2207	37	131
JA5AF	4,680	46	14	26
JA5EXW	14 850,916	1806	40	126
JESMVCV	287,628	785	37	95
*J5FGY	2,211	26	14	19
*JA5EO	21 44,793	209	24	57
*JA5PEE	7 3,638	22	11	13
*JA5POS	924	18	10	12

JA6WW	A 221,598	357	86	148
JA6AKV	22,578	126	56	46
JH6EJG	7 51,512	206	66	68
*JA6SRB	A 202,164	370	64	140
*JA6WFM	15,540	32	32	42
*JH6AUS	28 77,572	349	27	59
*JH6SJI	64,650	316	25	50
*J6G1J	646	17	9	8
*JA6BIF	21 69,460	279	29	65
*JH6FHJ	41,344	207	21	63
*JH6EBU	13,776	38	19	37
*JA6QDU	2,912	36	8	20
*JA6CM	14 41,366	176	28	58
*JH6TYD	7 5,676	53	17	27
*JF6JX	3.7 900	18	7	11

JA7BEW	A 779,382	1011	95	188
JH7BMZ	101,244	234	58	98
JA7FMZ	76,504	224	47	84
JH7DNO	21 814,200	1641	38	139
JA7JI	34,053	120	32	71
JA7FTF	14 604,344	1366	39	117
JA7BO	57,376	230	32	56
JA7RXU	34,190	185	25	40
JA7AXP	1,159	21	9	10
*JA7UAP	A 186,318	360	66	132
*JL7BRH	79,442	200	63	94
*JG7AMJ	40,748	144	51	71
*JA7JH	20,900	93	35	41
*JH7FUJ	20,777	102	34	45
*JH7HAC	14,430	77	32	42
*JA7OWD	28 18,600	121	22	38
*JF7CDL	2,475	41	11	14
*JA7MSQ	21 224,109	740	31	80
*JF7WAB	152,813	559	32	69
*JF7LVK	33,048	183	26	48
*JH7OHN	4,838	44	19	22
*JF7RJJ	14 15,219	107	24	33
*JH7HQK	7 10,455	86	18	33
*JA7FFN	2,160	34	11	13

JA8RWU	A 2,482,830	2018	136	305
*JA8IEZ	A 2,106	32	13	13
*JH8UQJ	28 4,935	54	15	20
*JA8WY	21 46,593	190	31	62
*JH8DHS	39,123	219	25	44
*JH8OVS	1,458	21	12	15
*JH8CFZ	7 2,926	53	21	28

JA9JFO	A 416,604	524	107	191
JA9CGG	21 34,944	157	26	52
*J9GLLO	A 88,324	240	53	89
*JA9TAA/9	26,880	97	48	57
*JA9DD	17,889	85	37	52
*JA9GHC	15,826	67	35	47
*JH9VFS/28	40,365	232	26	43
*JH9NVB	21 109,326	360	32	82
*JE9HVF	17,226	114	21	37
*JA1ALX/9	15,871	102	21	38
*JE9REN	1,624	23	11	18
*JE9PFD	374	9	9	8
*JH9OPJ	14 101,205	318	32	85
*JA9KUG	44,160	211	28	52
*JA9XBW	7 15,675	102	20	37

JA9UMV	A 563,644	722	90	183
JA9QWO	470,988	659	88	179
JR9WZR	240,384	444	65	127
JR9WZR	2,924	32	16	18
JA9BHA	7 421,248	1163	34	94
JA9QNJ	21 767,394	1860	37	125
*JH9HON	A 205,668	326	77	184
*JH9EPI	21 64,596	277	29	57
*JH9FVW	14 65,540	199	34	82
*JF9SGW	42,360	220	24	46

KAZAKHSTAN

UN7LZ	14 389,090	1087	30	100
UN20	1.8 14,478	137	31	31
*UN5OP	21 245,259	858	28	91
*UN7FDM	71,495	426	20	59

KIRGHIZIA

EX/RU1AC	7 11,572	83	13	31
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HL9FC	14 112,029	443	32	75
*HL5AP	A 44,625	154	32	93
*HL5YI	12,921	80	29	44

KUWAIT

9K2YY	14 233,919	667	33	108
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LEBANON

*0D5NJ	A 2,691,360	2706	79	257
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MACAU

XX9AL	A 1,134	22	11	16
*XX9KC	A 6,850	138	13	37

MONGOLIA

JT18V	21 31,058	404	14	39
*JT18Y	28 17,760	387	14	23

PAKISTAN

*AP2N	A 253,712	736	49	108
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SAUDI ARABIA

HZ1HZ	A 787,697	964	88	235
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TAIWAN

BV2FI	A 345,420	762	68	122
BV3BW	7 18,750	165	13	37

TURKMEN

EZ8AI	A 7,614	51	15	39
*EZ8CW	14 2,292	32	9	20

UNITED ARAB EMIRATES

*A51AF	A 779,820	1139	66	180
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UZBEKISTAN

*UK8IG	21 73,112	413	20	54
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VIETNAM

3W5FM	A 66,608	501	38	54
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WESTERN MALAYSIA

*9M2TO	A 160,678	664	59	102
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EUROPE

AALAND ISLANDS

OH8MM	A 3,843,576	3641	131	421
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ALBANIA

ZA1AJ	A 2,326,240	3101	98	371
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AUSTRIA

OE1JNB/3	14 347,600	1050	37	121
OE1WWL	7 3,010	53	10	33
*OE8C1Q	A 61,663	301	41	120
*OE1GOA	7 6,063	122	7	40

AZORES ISLANDS

CU2AF	1.8 1,240	35	4	16
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BALEARIC ISLANDS

EA6URP	A 3,252,768	3369	114	382
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*EA6LP	A 92,050	208	63	200
*EA6WL	7 4,150	73	9	41
*EA6WY	21 1,900	38	9	29
*EA6PE	14 18,966	276	13	45
*EA6JN	1,106	28	6	8

BELGIUM

ON48W	7 70,519	585	19	78
ON9CJM	3.7 185,544	1454	23	85

*ON5GO	A 1,442,708	1577	102	361
*ON4APU	460,184	816	67	261
*ON9CCO	173,958	482	50	187
*ON6CR	166,612	432	42	180
*ON5LF	79,424	283	37	109
*ON5CZ	31,262	146	23	75
*ON4AFD	7,740	74	15	29
*ON4TO	21 159,570	501	30	105
*ON5AZ	40,139	170	27	62
*ON4XG	14 51,772	345	18	68
*ON4AUC	1.8 15,896	392	4	40

BERLUS

EW4MM	A 596,410	1070	88	277
EW8MA	425,148	1086	61	223
EW3DU	19,200	80	29	51
EW8OS	14 8,624	88	6	25
EW6TO	3.7 19,494	326	9	48
*EW6BL	1.8 6,006	145	6	33

BOSNIA-HERZEGOVINA

T93M	21 278,124	1104	32	97
*T99T	28 46,046	439	19	58
*T99W	3.7 99,176	847	18	70

BULGARIA

LZ1BJ	A 429,375	1133	53	176
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LZ3CW	735	13	9	12
LZ5A	21 52,893	337	22	59
LZ5W	7 586,656	1695	37	131
LZ2FQ	12,130	168	9	52
*LZ3YY	A 275,420	956	49	186
*LZ1DM	39,624	197	30	97
*LZ4BU	38,016	200	32	112
*LZ5GB	28,408	217	26	80
*LZ2GS	28 12,218	97	16	56
*LZ3DB	21 20,370	162	20	50
*LZ1CW	14 52,243	388	20	69
*LZ5OZ	41,025	392	14	61
*LZ2ZY	7 6,138	148	8	31
*LZ2FM	5,416	110	7	37
*LZ4BC	3.7 8,680	208	10	30

CROATIA

9A9R	A 789,264	1188	87	249
9A1CRJ	7 247,808	1147	30	98

9A4D	1.8 56,564	654	12	67
9A1KDE	44,030	563	11	59

*9A2AJ	A 463,680	1046	60	255
*9A4RU	56,520	360	101	169
*9A2TX	21 6,528	192	23	92
*9A1CDH	14 10,530	130	12	42

*9A3QK	3.7 30,360	395	10	56
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CZECH REPUBLIC

OK1EP	A 500,778	642	87	300
OK1AXB	313,834	801	65	216
OK1MP	28 23,205	124	21	70
OK1LL	21 115,440	437	28	92
OK1RI	14 1,359,640	2909	40	150
OK1OT	73,036	308	32	92
OK1FPS	70,513	376	25	82
OK1TD	3.7 47,925	544	12	63
OL3Z	1.8 14,224	237	8	48

OK2SG	6,480	132	6	42
*OL8R	A 346,380	1003	55	196
*OK2QX	285,560	589	72	223
*OK1BA	187,902	548	46	173
*OK1DXW	138,460	416	50	165
*OK1FF	123,191	435	43	148
*OK1IR	110,802	350	42	135
*OK1MD	104,718	458	41	145
*OK1BMV	90,324	284	50	184
*OK2SWD	21,239	150	21	46
*OK1RV	10,017	155	15	48
*OK2PBG	7,011	96	16	41
*OK2PSA	5,100	78	14	36
*				

DL2JDS	1,595	40	7	22	HA0DU	21	967,500	1889	39	176	*IK0XEX	17,688	223	11	55	*PA0MIR	7,847	106	10	49	*SP5WAL	6,364	50	15	28		
DL1AZZ	21	392,616	933	37	127	HA0IE	14	865,419	1988	40	173	*IK2ULV	14,040	195	11	49	*PA0RCT	3.7	64,898	745	12	62	*SP3CMA	4,002	41	15	31
DL4YAO	133,000	537	33	100	HA0BVK	7	436,640	1724	37	123	(Opr. HA9CJU)					NORTHERN IRELAND					*SP6KEP	14	228,780	927	30	94	
DL4ZBG	86,912	346	32	96	HA0IB	3.7	123,057	844	23	90	HA0IB	3.7	123,057	844	23	90	GIBKOW	A	5,911,024	4492	122	471	*SP2GNB	43,032	304	20	68
DL4DXF	44,330	142	34	109	*HA0AT	A	109,947	381	44	157	JAN MAYEN					GIBJUG	14	990,090	2387	40	150	*SP9HCF	40,400	281	27	50	
DL9MWH	11,020	90	16	42	*HA0DKSJ	A	1,200	40	8	22	*JK4CJA	A	1,944	52	7	29	*SP9XLV	38,720	320	18	62						
DL5AWI	7	256,608	1163	31	113	*HA0GQ8	28	28,756	205	23	56	*JK3EX	A	1,440	41	6	26	*SP9RCL	33,930	274	18	60					
DL5JLA	184,592	944	32	107	*HA0FT	A	18,780	205	15	46	JERSEY					*SP8HXL	32,132	384	16	42							
DL5WQ	44,462	383	18	76	*HA0LVS	A	18,252	256	15	39	*GJ3XZE	14	27,650	201	16	63	*SP5CS	19,008	218	14	50						
DL5AUJ	306	12	5	12	*HA0VMDP	A	5,934	107	11	32	KALININGRAD					*SP4SHD	15,618	164	17	40							
DL8OH	3.7	209,469	1305	30	93	*HA0MQ	21	142,992	460	31	113	*UA2FEA	A	61,005	310	34	113	*SP9VEJ	13,230	120	17	46					
DL3LAB	171,021	1141	27	82	*HA4YV	A	10,396	105	15	31	LATVIA					*SP9DNO	8,680	101	11	45							
DL1MDY	3,192	80	7	31	*HA4GD0	A	8,282	89	15	26	YL2SW	A	63,366	477	23	95	*SP9EH	5,996	96	10	34						
DK2FR/P	72	9	2	7	*HA4FB	14	76,800	501	25	71	YL2GN	7	114,243	849	24	89	*SP6DH	5,207	101	7	34						
*DL20BF	A	852,432	1110	90	323	*HA5COX	A	2,485	69	5	30	YL2KO	A	188,778	524	55	164	*32BLZC	5,031	78	9	30					
*DL1NCT	A	779,100	913	104	316	*HA4FV	3.7	21,683	359	9	48	*YL3FW	A	105,648	447	38	148	*SP9DQJ	5,000	72	10	40					
*DL1MGB	A	687,040	946	83	297	*HA8EK	1.8	36,846	484	10	59	*YL1ZD	A	44,508	822	37	130	*SP9HQC	3,108	46	9	37					
*DL1JQJ	A	463,736	782	74	264	*HA8BE	A	3,663	87	7	30	*YL2EC	A	38,360	173	39	98	*SM60	7	20,640	164	21	65				
*DK8FS	A	410,564	728	77	264	IRELAND					LITHUANIA					*SP90YK/9	A	4,551	100	5	36						
*DK7ZH	A	407,964	685	70	234	EI4DW	A	480,249	1089	57	240	LY1DS	A	1,778,999	2075	111	350	*S01BVG	A	3,990	101	5	33				
*DL9YAJ	A	346,408	628	79	265	ISLE OF MAN					LY35BM	A	1,018,187	1680	79	242	*SP7OJN	A	418	22	4	15					
*DL1OJY	A	341,600	675	74	231	GD4GWQ	14	31,453	316	16	55	LY35W	A	973,198	1502	103	328	*SP6LUJ	3.7	53,855	504	18	63				
*DL1JPL	A	240,434	548	59	180	ITALY					LY35OU	A	820,446	1202	98	303	*SP9EMO	A	8,000	151	7	43					
*DLBSDC	A	236,470	566	50	164	IU2E	A	2,008,078	2137	108	370	LY35FV	A	533,010	1189	73	254	*SP9KMN	A	1,350	47	3	24				
*DL7B0	A	195,050	403	66	169	I6FLD	A	1,682,664	1609	115	327	LY35WV	A	268,029	771	56	187	*SP9MJCJ	A	450	23	4	18				
*DL7S9Y	A	187,782	440	59	179	IK3NHR	A	1,554,840	1603	90	330	LY35WV	A	268,029	771	56	187	*SP5CJY	1.8	14,554	235	9	53				
*DL2DWD	A	174,216	604	46	122	IK8CCHL	A	394,525	704	86	281	LY2BL	A	247,648	497	74	210	*S03JL	A	11,567	273	5	39				
*DL1460	A	161,460	414	53	154	IK4WTC	A	392,314	697	88	294	LY2BN	A	201,250	609	57	193	*SP6JG	A	6,027	144	5	36				
*DK/LA	A	141,600	600	49	151	IK2FVW	A	270,568	555	63	185	LY2CX	A	50,094	329	30	108	CT1CJJ	A	640,320	1070	81	287				
*DL5XB	A	139,055	397	49	154	IY0TJC	A	210,634	543	52	189	LY3MV	A	24,442	205	28	73	CT1BWU	A	540,960	1046	56	168				
*DL1BGN	A	135,648	340	55	161	IK6GPP	A	103,834	400	46	147	LY50UN	A	23,793	241	25	78	CT1EUD	A	496,860	936	68	205				
*DF0EK	A	126,688	398	51	163	IK4GRO	28	128,588	469	32	92	LY2Y2	A	15,276	123	23	55	CT1BWU	A	441,336	679	75	209				
*DL5KAC	A	119,480	422	44	162	IY1LEC	21	1,040,910	2484	37	133	LY3BH	21	461,376	1174	37	125	CT1AWU	A	229,890	466	59	178				
*DL2DQO	A	108,855	357	44	161	IR4B	A	573,434	1436	36	127	LY2ZZ	1.8	44,091	587	10	61	CT1AGS	A	50,600	192	36	79				
*DL5PW	A	106,622	300	48	130	(Opr. IK4AUU)						*LY2FN	A	315,060	760	64	231	CT1AUS	28	19,404	251	15	51				
*DK7JK	A	95,583	263	54	149	IK6W0Y	A	313,885	1037	33	110	*LY35BY	A	101,386	463	36	127	CQ5BOP	21	989,860	2592	38	134				
*DL6MRM	A	81,567	328	42	129	IK0R0C	A	277,426	737	37	126	*LY35K3	A	92,364	421	36	143	CT1UW	A	23,550	169	19	56				
*DL1RNH	A	60,150	307	30	120	IK0APR	A	116,008	379	33	103	*LY35T2	A	73,458	362	31	123	CT1BNU	A	44,540	238	21	64				
*DLB03W	A	50,616	264	35	117	IY3HYD	14	93,330	409	26	96	*LY35H1	A	8,064	112	11	45	CT1EAT	A	632,225	858	78	197				
*DL4GSA	A	50,325	209	43	122	IK3B0V	A	87,688	516	24	73	*LY35L1	A	1,170	35	11	49	CT1ELP	A	598,934	1073	81	277				
*DL2D3H	A	50,127	194	46	101	IK0VGI	A	24,090	265	16	50	*LY35G1	A	1,170	35	11	49	CT1EFD	A	214,656	489	48	124				
*DL3D3Y	A	47,376	239	110	336	IY3YK	7	335,617	1132	37	126	*LY35C1	A	88	9	3	5	CT1EFS	A	7,618	202	49	106				
*DFAAN	A	43,344	222	32	112	IK8UBD	3.7	233,562	1068	28	102	*LY2AE	14	38,212	299	19	63	CT1EES	28	47,472	270	19	73				
*DL1EMH	A	41,529	155	42	85	IR4T	1.8	58,764	609	13	70	*LY2PAQ	A	10,920	135	12	40	CT1EFT	A	12,000	78	23	52				
*DL2YAK	A	41,400	226	27	93	*IV3UHL	A	627,150	1010	84	286	*LY3B8	7	155,890	1129	23	96	CT1EFG	A	8,085	92	14	41				
*DL3DRN	A	40,745	185	45	100	IK4ADE	A	373,824	773	59	177	*LY2B6U	3.7	55,360	616	16	61	CT1EFG	A	6,972	88	9	33				
*DL1DWT	A	36,942	118	31	100	IK0YUT	A	299,720	609	70	225	(Opr. LY3BS)						CT1EDJ	14	20,064	162	16	60				
*DI1HSR	A	30,000	202	25	99	IK30H	A	206,438	442	64	169	LX1EP	A	283,210	1073	45	178	CT1ANC	A	13,794	164	14	52				
*DL1GBO	A	28,438	156	35	83	IK30MEQ	A	189,152	471	68	189	LX9SW	14	147,546	573	27	88	YO4NF	14	820,599	2746	38	121				
*DL5IAB	A	27,995	178	31	80	IK30YV	A	178,047	426	58	161	(Opr. LX1RQ)						YO8FR	A	142,884	553	41	155				
*DL5JUF	A	23,751	145	33	58	IK30VY	A	165,660	508	50	170	LX1NO	3.7	194,775	1567	20	85	YO9XC	A	115,368	253	43	109				
*DLA1HA	A	22,454	182	22	80	IK30WY	A	180,975	323	69	216	*LX1KC	A	1,059,597	1361	88	329	YO5CTY	A	42,811	273	53	136				
*DL2TG	A	21,168	86	48	50	IK30VY	A	178,047	426	58	161	*LX25M	21	81,585	350	27	84	YO2LIF	A	12,772	179	20	44				
*DL3HWW	A	20,367	140	27	63	IK30VY	A	165,660	508	50	170	LUXEMBOURG					YO2LII	A	3,608	96	12	28					
*DL1DCJ	A	19,356	117	26	51	IK30VY	A	178,047	426	58	161	Z32BU	21	199,949	752	33	90	YO8RAA	A	3,538	44	11	18				
*DL4FDT	A	15,444	131	22	56	IK30VY	A	178,047	426	58	161	*Z32KV	A	12,348	91	27	57	YO3JF	28	11,977	135	13	46				
*DL1YFF	A	14,904	125	26	66	IK30VY	A	178,047	426	58	161	*Z31JA	28	57,720	593	18	60	YO3FF	A	1,092	21	8	18				
*DL0FFP	A	12,844	106	22	54	IK30VY	A	178,047	426	58	161	*Z30M	14	640,386	2381	36	126	YO7DAA	21	28,105	219	22	55				
*DFSRC	A	10,064	112	28	40	IK30VY	A	178,047	426	58	161	*Z31GB	7	36,982	380	16	66	YO8AL	A	14,170	92	24	41				
*DL3DCY	A	10,008	81	22	50	IK30VY	A	178,047	426	58	161	MACEDONIA					YO5ATW	14	15,042	122	17	52					
*DL8EAD	A	6,382	61	20	38	IK30VY	A	178,047	426	58	161	Z32BU	21	199,949	752	33	90	YO2DPA	3.7	19,551	326	8	49				
*DL6MTG	A	5,880	55	14	46	IK30VY	A	178,047	426	58	161	*Z32KV	A	12,348	91	27	57	YO8BPY	A	13,833	255	6	47				
*DL3WB	A	5,280	92	35	9	IK30VY	A																				

*OM9AZ	9,724	135	17	27	EA1UX	1,225,280	2163	61	219	*EA3CA	117,030	417	40	126	*E7FUN	28	46,872	284	21	72	SK8MG	21	214,188	630	37	119	
					EA3GHQ	861,540	1071	85	330	*FA5JC	105,357	354	40	133	*EA3CD		38,394	256	20	61			5,875	63	13	34	
*OM5FA	28	107,502	943	29	EA2IA	816,408	1035	97	294	*EA1JJ	96,102	337	45	196	*EA7IA		19,924	136	17	51	SMSAAY		210,015	1020	32	85	
*OM7V	3.7	22,990	412	7	EA1J0	442,288	766	76	232	*EA5AAN	91,933	336	39	110	*EA7AKB		13,936	110	17	35	SM5LPO	14	23,940	253	18	52	
*OM5KM		7,770	185	5	EA3ACT	400,050	759	75	240	*EA10T	91,690	372	44	129	*E7FTR	21	195,576	824	30	86	SM6FJY		42,228	552	11	57	
*OM6ACW		2,871	87	6	EA3GBU	351,120	800	70	210	*EA1IF	87,647	488	28	105	*EA1KI		190,332	506	35	118	SM6DOI	1.8	165,752	424	57	171	
					EA5GRB	326,748	647	70	222	*EA5FWW	79,450	251	40	135	*EA1DLU		178,654	760	23	75	*SM2DMU	A	135,632	383	51	145	
					EA5GSA	308,750	643	71	179	*EA4ENQ	73,095	234	49	116	*EA1AKP		171,000	633	25	89	*SM0BDS	A	57,246	215	35	106	
					EA5GZM	205,309	407	69	152	*EA7GB6	72,369	240	42	87	*EA5AEK		104,236	498	30	73	*SM2IEO		55,308	224	39	93	
					EA5CWT	137,313	300	62	157	*EA7BHO	71,300	226	53	102	*EA3ANM		80,476	381	31	87	*SM4RIK		20,615	139	26	69	
					EA7AKK	125,832	345	56	140	*EA1BPO	66,816	230	34	110	*EC3ABU		73,868	366	30	88	*SM7BZV		19,764	127	23	58	
					EA7DHP	100,320	356	39	121	*E7GGP	63,870	46	23	35	*EA2AKP		68,794	311	30	76	*SM0FM		5,328	123	27	70	
					EA1CZF	79,975	313	39	136	*EA2CCG	58,386	254	33	78	*EC7AFO		39,996	295	22	71	*SM3MHD		2,006	31	13	21	
					EA1BLA	43,625	170	35	91	*FA4DAT	57,681	309	31	86	*EC3AGW		39,235	250	24	71	*SM3CVM		1,197	21	11	10	
S50A	A	6,812,303	3788	139	488	EA1EVN	37,395	211	38	97	*EA4KN	56,718	203	36	101	*EC1AFK		25,665	139	25	62	*SM6AHU	14	10,660	205	14	38
S53EA		4,587,600	3481	149	451	EA7GWA	35,014	134	33	95	*EA1DFP	51,727	172	50	120	*EC3ADM		25,650	154	22	68	*SM0MC		6,165	78	10	35
S58AB		3,538,522	2856	133	418	EA3GJU	25,920	129	40	82	*EA5GHT	51,612	205	38	94	*EA1CKL		18,000	120	20	52	*SM7HSP		100	8	4	6
S59ZA		3,162,232	2617	125	429	EA5GZQ	21,200	158	22	41	*EA5CGU	45,708	153	48	108	*EA4EJR		17,864	134	21	37	*SM0DZH	3.7	5,985	115	6	39
S59L		1,703,042	2012	94	295	EA5GZV	17,892	102	26	58	*EA5XN	43,660	170	41	107	*EC3AFG		17,116	139	19	57	*SK4UW		3,724	37	5	33
S50R		1,182,816	1388	113	319	EA5ADC	12,324	101	22	56	*EA7EWX	42,160	174	36	88	*EA7EBL		17,111	107	19	52						
S51AY	28	161,190	735	31	104	EA7AFM	1,524	68	20	60	*EA1AP5	41,064	185	30	88	*EA1BCK		13,696	112	19	45						
S59WA	21	696,808	1544	38	146	EA7BRK	1,524	68	20	60	*EC5CWA	40,680	195	29	84	*EC5AFX		9,462	95	17	40						
S59A	14	1,207,553	2453	40	171	EC5AFK	5,088	62	15	33	*EA1ET	38,599	192	32	69	*EC1DMU		9,204	80	17	42						
S51CX		401,695	1289	37	24	EA7BA	116,772	655	26	85	*EA3AM	34,410	189	24	89	*EC4DJY		9,114	84	17	45						
S59C	7	729,520	2316	36	140	EA1KW	490,970	1384	32	113	*FA3GHC	34,224	140	41	83	*EC1AKM		7,672	79	16	40						
						EA7AGW	166,800	560	30	109	*EA1FCR	33,354	194	28	81	*EC3CMT		5,022	50	15	39						
S57AL		573,448	1905	35	137	EA7HCN	9,352	105	14	42	*EA3ANE	32,966	187	27	79	*EC4AIU		4,212	55	15	37						
S53EA		293,232	1230	32	117	EA1BNW	90,540	657	20	70	*EA1BMY	32,500	146	38	87	*EA7AFD		3,552	51	10	22						
S54Z		205,326	1093	23	99	EA3FQV	49,218	505	11	67	*EA3NA	29,925	109	41	92	*EC7AEQ		2,698	38	14	24						
S59AZ	3.7	219,535	1481	26	89	EA3ALV	37,772	361	12	64	*EA4AV	29,637	133	36	75	*EC1BXI		1,107	37	5	22						
S570		155,788	951	24	92	EA3AFR	22,120	252	10	46	*EA4ALX	26,784	140	34	74	*EC2AEQ		990	24	8	22						
S51WV		103,595	1081	15	66	EA3AML	16,968	244	9	47	*EA1BAW	26,362	175	25	73	*EA7HCZ		378	9	7							
S54DL	1.8	54,264	660	13	63	EA3ALD	6,837	118	8	45	*EA3ESJ	21,608	130	20	54	*EA3BD	14	179,130	917	22	83						
S59KW		27,612	451	8	51	*EA7CEZ	1,777,656	2077	98	310	*EA7CWW	21,528	112	29	43	*EA3GHZ		103,510	454	24	86						
*S54A	A	830,144	938	113	363	*EA3BK1	743,285	1270	89	236	*EA4AUU	21,420	131	23	82	*EA1DAX		39,420	231	19	71						
*S51FA		528,192	900	77	259	*EA3FHN	675,392	1210	83	263	*EA7TG	15,738	71	31	55	*EA1FFC		38,799	284	15	66						
*S53BM		54,292	247	27	71	*EA7HBP	650,560	1232	72	248	*FA3EVR	15,548	101	23	29	*EA1FAU		11,450	161	10	40						
*S53DX		47,005	257	26	93	*EA1FAD	457,002	857	68	211	*EC2BAZ	15,264	137	20	52	*FA4CFY		8,639	113	11	42						
*S57KM		37,406	222	32	86	*EA4BAS	402,112	823	52	154	*EA5AAJ	14,472	83	25	47	*EA2ARD	7	3,330	83	4	33						
*S51VG		7,614	111	11	43	*EA1MK	346,528	807	56	152	*EC4CRW	14,400	130	21	56	*EA3DNC		2,925	73	6	33						
*S56MU		7,410	108	14	51	*EA7RU	317,016	627	58	164	*EA7AK	11,680	76	20	53	*EA1DYY	1.8	6,063	117	5	42						
*S52CD	28	71,610	379	26	79	*EA1EYU	295,260	617	49	141	*EA1EXY	11,270	84	24	46												
*S52SK		20,130	150	20	46	*EA1BMA	220,560	563	51	189	*EA4EIS	11,039	68	29	54												
*S52UT	14	265,328	962	28	109	*EA3ELZ	217,800	409	70	172	*EA1SP	9,688	105	12	44												
*S56WW		248,200	890	34	112	*EA1BOI	213,900	588	41	147	*EC5AAK	9,306	112	16	50												
*S57U		146,000	691	27	93	*EA5YJ	205,779	535	51	188	*EA1ASC	8,804	81	19	52												
*S51NM		4,880	46	15	37	*FA1AW	199,794	463	51	162	*EA5XSS	8,142	89	16	43												
*S52KD	7	60,000	535	18	78	*EA1YB	178,770	415	48	154	*EA1BLF	8,030	60	15	40												
*S51QZ		51,912	410	22	81	*EA5CPX	144,400	586	41	111	*EC4AIZ	7,727	78	15	39												
*S57J	3.7	75,140	732	16	69	*EA2ASB	130,143	383	49	164	*EA1DLN	7,473	56	15	38												
*S51IX		63,423	636	17	70	*EA5AEN	123,654	297	60	162	*EA7GVW	7,350	78	13	37												
*S53X	1.8	39,664	500	11	63	*EA5EOC	119,808	306	49	107	*EC4DHD	7,192	78	19	39												
*S57DX		21,840	369	8	48	*EA2BNU	117,564	322	53	141	*EC1AMR	6,562	73	15	39												

Table with columns for call sign, frequency, and other details. Includes entries for UT5UGR, UY5ZZ, *US1E, *UX1LA, *UX1UA, *UT3HD, *UR3MP, *UT1ZZ, *UX5EF, *UR5WHT, *UT3LL, *UX1HW, *UT5URW, *US4LAD, *UX2VZ, *UT1VW, *UX3MO, *US5ZZ, *UR7CA, *UT5UCC.

Table for WALES and YUGOSLAVIA. Includes entries for GW4BLE, YUGOSLAVIA, YU6A, YU7AV, YU1AD, YU7LS, YU7SF, 4N4L, YU7TA, *YU50BD, *YU7CF, *4N1N, *4N7CC, *Y2ZED, *YU17M, *YU1FX, *YU1RA, *YU1UA, *Y21MB.

Table for OCEANIA and AMERICAN SAMOA. Includes entries for AH8A, AUSTRALIA, VK5GN, VK3TZ, VK2ARJ, VK3PU, VK2APK, VK3DXI, VK4UA, VK5DE, *VK5APK, *VK4KSB, *VK3SM, KC6MW.

Table for BRUNEI and EASTERN MALAYSIA. Includes entries for BRUNEI, V85HG, EASTERN MALAYSIA, 9M8R.

Table for FRENCH POLYNESIA and GUAM. Includes entries for FRENCH POLYNESIA, F051W, GUAM, *KH2/WS7V.

Table for HAWAII and INDONESIA. Includes entries for HAWAII, KH6WR6R, KH6BZF, WH6OH, KH6FKG, KH6CC, INDONESIA, YB8ASI, YC3MIG, *YC3SPS, *YB1JX, *YC9COD, *YC3BC, *YC6PJ, *YB7XJ, *YB1JZF, *YB2KK, *YB2CPO.

Table for NEW CALEDONIA. Includes entries for NEW CALEDONIA, *TX8FU.

Table for NEW ZEALAND and NORTHERN MARIANAS. Includes entries for NEW ZEALAND, ZL4NF, ZL1HY, NORTHERN MARIANAS, *KH6CG, PHILIPPINES, DU9RG, DX1EA, DU1SAN, 4F3GDZ, *DU7CC, *DU3J, *W4NXX, *DU1WHO, *DU1COO.

Table for SOUTH AMERICA and ARGENTINA. Includes entries for SOUTH AMERICA, ARGENTINA, LR3F, LUBADX, LUBFDZ, LUB2AR, LUGETB, LU1NA, LU2DW/A, LUGNBY, LUGBZW, LUG3AM, LU2ZHAO, LUGLAZ, AY1I, LT1F, *LU1CO, *LU1ECO, *LUB8EM, *L37N, *LU6AMD, *LUBHLJ, *L7F, *LU5CAB, *LU2'DN, *LU8HSO, *LUSHIP, *LUSHWE, *LUSHYS, *LU8FDZ, *LU5E, *LU9HSZ, *LU4FCZ, *LW6EOG, *L5F, *LU3FMR, *LW2DBM, *LW0D, *CE3DPW, *LJ, *LU2FJY, *LU1HTF, *LW2EOC, *LU3QJZ, *LU4HKL, *LU5FCI, *LU4DFH, *LU5EVK, *LU1AEE, *LU5ONX, *AZ3HAE.

Table for ARGENTINA (continued) and CHILE. Includes entries for ARGENTINA (continued), CHILE, XR1X, CE6EZ, CE6DFY, CE3F, XR8E, *CE4P, *XR4M, *CE2EZE, *CE4USW, COLOMBIA, HK6HFY, HK4DWW, HK5MJJ, HK3JMH, *HK6JUI, ECUADOR, HD2RG, HC1NCN, HC2HM, HC1JQ, *HC1AK, *HC1OT, FERNANDO DE NORONHA, PY8FM, *PY8FF, GALAPAGOS ISLANDS, HC8KU, HC8A, GUYANA, BR1K, PARAGUAY, ZP5MAL, ZP6CC, PERU, OA4EI, OA4CV, *OA4CPI, TRINIDAD & TOBAGO, 9Y4NZ, 9Y4VU, URUGUAY, CX3C, CX7ACH, CX1JM, CX4SS, *CX6VM, VENEZUELA, YV4FRS, YW5P, YV4FZM, YV1DRK, YV1YCR.

Table for ARGENTINA (continued) and CHILE (continued). Includes entries for ARGENTINA (continued), CHILE (continued), *CE4P, *XR4M, *CE2EZE, *CE4USW, COLOMBIA (continued), HK6HFY, HK4DWW, HK5MJJ, HK3JMH, *HK6JUI, ECUADOR (continued), HD2RG, HC1NCN, HC2HM, HC1JQ, *HC1AK, *HC1OT, FERNANDO DE NORONHA (continued), PY8FM, *PY8FF, GALAPAGOS ISLANDS (continued), HC8KU, HC8A, GUYANA (continued), BR1K, PARAGUAY (continued), ZP5MAL, ZP6CC, PERU (continued), OA4EI, OA4CV, *OA4CPI, TRINIDAD & TOBAGO (continued), 9Y4NZ, 9Y4VU, URUGUAY (continued), CX3C, CX7ACH, CX1JM, CX4SS, *CX6VM, VENEZUELA (continued), YV4FRS, YW5P, YV4FZM, YV1DRK, YV1YCR.

Table for ARGENTINA (continued) and CHILE (continued). Includes entries for ARGENTINA (continued), CHILE (continued), *CE4P, *XR4M, *CE2EZE, *CE4USW, COLOMBIA (continued), HK6HFY, HK4DWW, HK5MJJ, HK3JMH, *HK6JUI, ECUADOR (continued), HD2RG, HC1NCN, HC2HM, HC1JQ, *HC1AK, *HC1OT, FERNANDO DE NORONHA (continued), PY8FM, *PY8FF, GALAPAGOS ISLANDS (continued), HC8KU, HC8A, GUYANA (continued), BR1K, PARAGUAY (continued), ZP5MAL, ZP6CC, PERU (continued), OA4EI, OA4CV, *OA4CPI, TRINIDAD & TOBAGO (continued), 9Y4NZ, 9Y4VU, URUGUAY (continued), CX3C, CX7ACH, CX1JM, CX4SS, *CX6VM, VENEZUELA (continued), YV4FRS, YW5P, YV4FZM, YV1DRK, YV1YCR.

Table for CHILE and QRP WORLD. Includes entries for CHILE, XR1X, CE6EZ, CE6DFY, CE3F, XR8E, *CE4P, *XR4M, *CE2EZE, *CE4USW, QRP WORLD, LY35BA, EA1GT, AA2U, W0KEA, EA3FHT, JA6GCE, N1AFC, UA4SKW, UT1WA, JA6UBK, KB3TS, YU50KN, JH1HRJ, YU1LM, KP4DD, OK1DKS, LX2PA, UA9SG, KV8S, UA4YJ, KATCFZ, W8QZ/A, OHSNHI, KI0G, ER1FW, SP7LZD, W8BJMS, IK1TWC, N7RWH, W8GTTM, N7JXS, G0KRL, RA1TEA, UX8IX, CT1DSJ, W0CGI, DL5JBN, N7XCZ, EA1BELZ, IGR/IV3TRK, W2DFH, PU2LCD, IT9NAN, JF3EJU, FB1IPH, EA7AIG, SP3LYP, J0PJE1, HG5COK, EA3GIV, K8BNC, S05TW, WB0I/WG3, NO9Z, OM7DX, YU8FFG, JA2LRD, J13SBE, SP5YQ, EC1AIS, RU3RR, JH8FAJ/, EC2AAO, JN6XCZ, YC2TK, JA2JIF, EA2ANG, W6CN, DL4RCK, EA2BTO, SP9EWO, RV3DLK, F5LJ, VFA5E, JK10XU, HA0GK, UR4UKT, V66SH, JG1.OJ, SP4FGG, HA4XN, OK1FJD, SP2FAP, UR5FFQ, RV3ABR, YL3GHD, SP5N0G.

Table for CHILE and QRP WORLD (continued). Includes entries for CHILE (continued), XR1X, CE6EZ, CE6DFY, CE3F, XR8E, *CE4P, *XR4M, *CE2EZE, *CE4USW, QRP WORLD (continued), LY35BA, EA1GT, AA2U, W0KEA, EA3FHT, JA6GCE, N1AFC, UA4SKW, UT1WA, JA6UBK, KB3TS, YU50KN, JH1HRJ, YU1LM, KP4DD, OK1DKS, LX2PA, UA9SG, KV8S, UA4YJ, KATCFZ, W8QZ/A, OHSNHI, KI0G, ER1FW, SP7LZD, W8BJMS, IK1TWC, N7RWH, W8GTTM, N7JXS, G0KRL, RA1TEA, UX8IX, CT1DSJ, W0CGI, DL5JBN, N7XCZ, EA1BELZ, IGR/IV3TRK, W2DFH, PU2LCD, IT9NAN, JF3EJU, FB1IPH, EA7AIG, SP3LYP, J0PJE1, HG5COK, EA3GIV, K8BNC, S05TW, WB0I/WG3, NO9Z, OM7DX, YU8FFG, JA2LRD, J13SBE, SP5YQ, EC1AIS, RU3RR, JH8FAJ/, EC2AAO, JN6XCZ, YC2TK, JA2JIF, EA2ANG, W6CN, DL4RCK, EA2BTO, SP9EWO, RV3DLK, F5LJ, VFA5E, JK10XU, HA0GK, UR4UKT, V66SH, JG1.OJ, SP4FGG, HA4XN, OK1FJD, SP2FAP, UR5FFQ, RV3ABR, YL3GHD, SP5N0G.

Table for CHILE and QRP WORLD (continued). Includes entries for CHILE (continued), XR1X, CE6EZ, CE6DFY, CE3F, XR8E, *CE4P, *XR4M, *CE2EZE, *CE4USW, QRP WORLD (continued), LY35BA, EA1GT, AA2U, W0KEA, EA3FHT, JA6GCE, N1AFC, UA4SKW, UT1WA, JA6UBK, KB3TS, YU50KN, JH1HRJ, YU1LM, KP4DD, OK1DKS, LX2PA, UA9SG, KV8S, UA4YJ, KATCFZ, W8QZ/A, OHSNHI, KI0G, ER1FW, SP7LZD, W8BJMS, IK1TWC, N7RWH, W8GTTM, N7JXS, G0KRL, RA1TEA, UX8IX, CT1DSJ, W0CGI, DL5JBN, N7XCZ, EA1BELZ, IGR/IV3TRK, W2DFH, PU2LCD, IT9NAN, JF3EJU, FB1IPH, EA7AIG, SP3LYP, J0PJE1, HG5COK, EA3GIV, K8BNC, S05TW, WB0I/WG3, NO9Z, OM7DX, YU8FFG, JA2LRD, J13SBE, SP5YQ, EC1AIS, RU3RR, JH8FAJ/, EC2AAO, JN6XCZ, YC2TK, JA2JIF, EA2ANG, W6CN, DL4RCK, EA2BTO, SP9EWO, RV3DLK, F5LJ, VFA5E, JK10XU, HA0GK, UR4UKT, V66SH, JG1.OJ, SP4FGG, HA4XN, OK1FJD, SP2FAP, UR5FFQ, RV3ABR, YL3GHD, SP5N0G.

Table for ASSISTED NORTH AMERICA. Includes entries for K1KP, K1IU, KS9Z/1, N8RA/1, W1NG, WB2DND/1, K1HMO, N6RFM/1, WA3TXR/1, WA2CJT/1, WA1G, KA1FMR, N01J, N1'OPZ, K1TR, N4XR/1, KB2R/1, N1TZW, N1'KWJ, K1JKS, W1BHI, K1YXV, K1GW.

Table for ASSISTED NORTH AMERICA (continued). Includes entries for K1KP, K1IU, KS9Z/1, N8RA/1, W1NG, WB2DND/1, K1HMO, N6RFM/1, WA3TXR/1, WA2CJT/1, WA1G, KA1FMR, N01J, N1'OPZ, K1TR, N4XR/1, KB2R/1, N1TZW, N1'KWJ, K1JKS, W1BHI, K1YXV, K1GW, AA2DU, K2WK, W1GD/2, KF2U, N1CC/2, KF20, WA2TFI, K2ONP, N2AIF, W82RAJ, KC2Q, W83MWW, WA27GO, WA2WYR, W2XV, K2PF, NG2P, KA2CKI, N3RR, N3AD, K3WW, K3NZ, N3Q, AA3B, W3V3, N3MKZ, K3ND, AA3HA, N3I, W3AP, WA3WJ, K3KNH, W83CIV, KC3RN, NK3U, K1HTW/3, AA3HM, WT3P, K3SW, K83X, W3HVQ, K3BHX, K3SA, W2UP/3, K3KO, W30V, W8FJ3, K3'LP, W3FG, N3KQY, K3'GJ, WR3L, KG4W, WB2NQT/4, K4CEF, K4QDM, ND4Y, N4XM, W88BMV/4, K4UTE, N4BNO, AE4Y, KN4ZT, WA4QDM, N4SLR, WA4RY0, W4RX, NF4L, N4DW, N4ZR, N4TG, N4XMX, W5WHV/4, KR4DL, KR4J, W4JW.

Table for ASSISTED NORTH AMERICA (continued). Includes entries for K1KP, K1IU, KS9Z/1, N8RA/1, W1NG, WB2DND/1, K1HMO, N6RFM/1, WA3TXR/1, WA2CJT/1, WA1G, KA1FMR, N01J, N1'OPZ, K1TR, N4XR/1, KB2R/1, N1TZW, N1'KWJ, K1JKS, W1BHI, K1YXV, K1GW, AA2DU, K2WK, W1GD/2, KF2U, N1CC/2, KF20, WA2TFI, K2ONP, N2AIF, W82RAJ, KC2Q, W83MWW, WA27GO, WA2WYR, W2XV, K2PF, NG2P, KA2CKI, N3RR, N3AD, K3WW, K3NZ, N3Q, AA3B, W3V3, N3MKZ, K3ND, AA3HA, N3I, W3AP, WA3WJ, K3KNH, W83CIV, KC3RN, NK3U, K1HTW/3, AA3HM, WT3P, K3SW, K83X, W3HVQ, K3BHX, K3SA, W2UP/3, K3KO, W30V, W8FJ3, K3'LP, W3FG, N3KQY, K3'GJ, WR3L, KG4W, WB2NQT/4, K4CEF, K4QDM, ND4Y, N4XM, W88BMV/4, K4UTE, N4BNO, AE4Y, KN4ZT, WA4QDM, N4SLR, WA4RY0, W4RX, NF4L, N4DW, N4ZR, N4TG, N4XMX, W5WHV/4, KR4DL, KR4J, W4JW.

Table for ASSISTED NORTH AMERICA (continued). Includes entries for K1KP, K1IU, KS9Z/1, N8RA/1, W1NG, WB2DND/1, K1HMO, N6RFM/1, WA3TXR/1, WA2CJT/1, WA1G, KA1FMR, N01J, N1'OPZ, K1TR, N4XR/1, KB2R/1, N1TZW, N1'KWJ, K1JKS, W1BHI, K1YXV, K1GW, AA2DU, K2WK, W1GD/2, KF2U, N1CC/2, KF20, WA2TFI, K2ONP, N2AIF, W82RAJ, KC2Q, W83MWW, WA27GO, WA2WYR, W2XV, K2PF, NG2P, KA2CKI, N3RR, N3AD, K3WW, K3NZ, N3Q, AA3B, W3V3, N3MKZ, K3ND, AA3HA, N3I, W3AP, WA3WJ, K3KNH, W83CIV, KC3RN, NK3U, K1HTW/3, AA3HM, WT3P, K3SW, K83X, W3HVQ, K3BHX, K3SA, W2UP/3, K3KO, W30V, W8FJ3, K3'LP, W3FG, N3KQY, K3'GJ, WR3L, KG4W, WB2NQT/4, K4CEF, K4QDM, ND4Y, N4XM, W88BMV/4, K4UTE, N4BNO, AE4Y, KN4ZT, WA4QDM, N4SLR, WA4RY0, W4RX, NF4L, N4DW, N4ZR, N4TG, N4XMX, W5WHV/4, KR4DL, KR4J, W4JW.

KQ4GC	97,376	263	34	102	WE9A	78,066	157	65	119	ENGLAND					IK2WBA	61,104	206	47	105	VENEZUELA				
K5LP	A 917,280	798	118	302	K9SU	21 276,974	649	32	126	G4QJH	A 1,427,830	1533	101	353	IK4WVG	56,350	161	53	108	YV6DBX	14 213,679	710	25	82
NA4M/5	" 562,432	673	96	242	K9OSH	" 18,915	107	18	47	ESTONIA					IC8WIC	7 68,310	548	23	87	MULTI-OPERATOR SINGLE TRANSMITTER NORTH AMERICA				
W5ASP	" 412,230	800	48	134	N9AW	14 179,690	428	35	116	ES5Q	A 1,096,414	1890	94	324	IN3ASW	3.7 86,739	850	15	72		UNITED STATES			
KD5IA	" 263,150	362	88	189	NØAT	A 507,744	505	102	257	(Opr. ES5RY)					LA9GY	A 10,500	91	24	51	KC1XX	6,214,992	3075	146	552
ND5S	" 243,200	300	76	180	KMØL	" 468,963	592	86	211	FINLAND					SP6CIK	A 55,610	167	46	120	W1FJ	4,843,100	2526	142	530
K5EC	" 94,341	194	58	119	ALASKA					OH1NSJ	A 775,280	1046	92	273	IT90RA	A 52,597	241	40	109	K1NG	4,677,669	2340	149	562
KFSYZ	" 71,736	184	62	106	KL7Y	A 931,216	1453	115	171	OH2MPO	" 13,666	93	26	41	IT9VDQ	14 3,741	32	15	28	W2AX/1	3,116,036	1931	136	468
N5NMY	28 31,093	294	19	140	CANADA					OH1BØI	" 13,330	73	30	56	OM5A	A 926,541	1124	109	332	KØIH	2,981,232	1959	120	416
W5SUDX	21 166,160	435	31	103	VE7NKI	A 607,956	1675	53	121	FRANCE					S5ØD	A 1,608,689	1617	126	403	K1RX	2,020,360	1358	119	411
WZ6Z	A 958,820	907	122	260	VA2AM	" 214,130	342	68	177	F6JSZ	A 50,250	208	34	100	S59AA	" 559,650	703	98	312	WV1MS	833,272	821	89	285
N16T	" 493,245	621	100	191	XM7SØØ	21 346,038	1193	28	79	GERMANY					EA5GRC	A 1,332,608	1675	107	357	KØ1DWX	574,431	655	71	236
N6CCL	" 473,026	525	98	228	AFRICA					DJ2YA	A 2,869,139	1871	142	485	W1FY	506,736	599	73	233					
AA6MC	" 408,216	525	94	198	CANARY ISLANDS					DL6ET	" 2,819,378	1954	138	528	N1KWV	481,452	546	81	237					
W6GO	" 364,026	407	108	230	EA8AFJ	A 3,089,350	2316	116	335	KØ9DA	" 2,293,248	2049	120	392	KØ1VQ	372,564	567	58	179					
K6SG	" 352,656	451	94	185	ASIA					DL2ARD/P	" 1,932,593	1391	135	476	N1RDJ	237,573	450	47	142					
AB6WD	" 198,132	869	77	151	HONG KONG					DL3KDV	" 1,712,976	1475	133	429	N1SCH	135,424	287	52	132					
W6MFC	" 110,715	253	60	105	VS6BG	A 1,344,350	2078	111	211	DK4QT	" 718,641	1013	88	269	K2TR	5,766,831	2828	148	569					
K76V	" 84,460	139	51	113	JAPAN					DL5IC	" 511,000	714	88	262	N2NU	5,350,544	2743	145	547					
AJ6V	" 64,656	167	54	90	JØ1BVI	A 616,148	823	99	190	DLF1C	" 496,264	734	87	241	KF2ET	4,868,640	2538	146	526					
NF6R	" 52,272	179	42	66	JR4QZH	" 296,400	414	77	170	DL2ZAE	" 448,568	563	92	284	NF2L	3,466,368	1995	132	480					
W6TKF	" 49,023	154	47	70	JGØVCM	" 274,744	451	84	160	DL4N	" 407,046	716	79	279	N2MM	2,027,175	1346	118	419					
KM6XX	" 40,320	166	35	55	JØBCJU	" 101,061	219	72	95	DL8AM	" 334,828	791	57	217	NS2K	1,763,965	1256	116	389					
W6DAT	" 19,788	78	46	51	JØØHYU	" 75,429	180	61	92	DJØIE	" 331,483	773	70	219	KØ2JR	1,736,192	1236	117	395					
K6FU	21 21,080	123	20	42	JØLMZ	28 3,016	45	11	15	DL9DR	" 251,126	357	76	231	K2ØWE	1,585,376	1184	110	371					
K6LEB	14 46,632	348	36	98	JØ1NGT	21 120	4	4	4	DLØAMS	" 199,122	423	54	177	K2TE	1,299,650	1088	96	329					
KATZUM	A 358,110	608	76	154	JØTKR/1	14 75,447	290	31	70	DL4LAM	" 28,527	126	32	79	N2SS	1,212,288	976	104	347					
W70M	" 324,535	509	75	160	JØ1YXP	7 139,095	512	29	70	DØØUN	7 293,393	1274	35	116	WØ2C	951,357	915	103	278					
KØ7DB	" 198,166	364	66	135	(Opr. JM1UWB)					DJ6TK	" 15,540	168	15	59	W2RR	928,805	801	104	327					
AA7WP	" 69,000	180	57	93	KOREA					HØØHW	A 350,350	612	83	242	K2IBW	920,202	1068	85	224					
KØ4HXT/7	" 31,025	136	36	49	HL9DX	A 445,408	747	82	166	IR8A	A 2,584,581	2580	119	418	AA2FB	813,624	709	94	312					
AAØCY/7	" 27,360	104	34	62	EUROPE					IØ4A	" 1,136,016	1274	97	317	K2IGW	317,724	473	82	167					
WØØRJY/7	21 98,576	346	26	75	BEELGIUM					I2CMA	" 1,022,469	903	126	417	K2JUD	203,580	392	53	142					
N8BJQ	A 658,471	707	88	253	ON4BAL	14 175,032	700	30	106	IK2HKT	" 677,680	1021	87	307	WØ2FUØ	37,728	151	40	56					
NØAV	" 472,860	606	75	209	9A3ZG	A 309,228	645	68	224	IØ3R	" 275,825	555	64	211	K2AA	40	77	2	2					
KØ8FS	" 264,966	399	51	176	CROATIA					IK6VXØ	" 182,584	441	59	173	W3GNQ	1,891,695	1282	127	418					
KØ8KX	" 261,080	388	67	177	OK1ØIG	A 1,936,484	2016	111	373	I6NØA	" 154,330	334	70	183	K3MØ	1,500,804	1272	100	323					
K8CV	" 159,327	305	55	134	OK2BMT	" 261,792	496	75	213	IK2RXV	" 133,509	282	63	170	K3ØI	1,207,605	944	108	357					
NT8V	" 156,090	272	62	153	CZECH REPUBLIC					IK3UMT	" 132,594	307	68	178	K3CP	976,327	901	92	299					
NØØD	" 134,483	264	50	131						IK3ØM	" 1,022,469	903	126	417	WØ3Q	880,256	767	94	322					
NØXTO	" 126,385	280	44	117						IK3ØRZ	" 182,584	441	59	173	AK3Z	639,610	615	94	289					
KØ8AL	" 67,497	169	49	102						I6NØA	" 154,330	334	70	183	NM3K	568,192	595	90	278					
W8UVZ	3.7 73,245	348	23	72						IK2RXV	" 133,509	282	63	170	K3ØNV	542,080	584	91	261					
WØ9Z	A 978,737	858	110	299						IK3UMT	" 132,594	307	68	178	K3JLK	69,920	173	45	115					
NE9U	" 631,557	684	86	253											K4SIV	4,653,720	2485	160	535					
KØ9BUM	" 216,920	363	57	163																				
WØ9GIG	" 206,800	319	67	168																				
NØXBM	" 154,700	355	45	125																				

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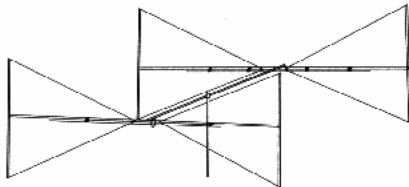
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HF5B 5 Band Butterfly Beam

- ◆ 5 Band Performance
- ◆ 3 dBd gain on 20 meters
- ◆ 5 dBd gain on 15/12/10
- ◆ Weighs only 20 pounds

Ideal where space is limited, the HF5B packs maximum performance onto a 6 foot boom with 12.5 foot elements.

With a windload of only 3 square feet, the HF5B is perfect for a lightweight mast or roof tripod. Turns easily with a TV rotator.

HF9V-X 9 Band Vertical

- ◆ 9 bands, 80 thru 6 meters
- ◆ No-radial operation with CPK counterpoise
- ◆ 26 feet tall

More efficient than trapped designs or "halfwaves", Butternut's exclusive tuning system allows more of the antenna to be active on each band, providing superior performance!

HF2V Dual Band Vertical

- ◆ Optimized for 80 & 40
- ◆ 32 ft. tall - no guy wires!
- ◆ Adapters available for 160 or 30 meters

The action will be on 80 & 40 during the sunspot minimum - be prepared with the HF2V. The entire antenna is active on both bands for maximum performance.

**Butternut Manufacturing
Company**

831 N. Central Avenue
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CIRCLE 26 ON READER SERVICE CARD

AB4RU	2,976,000	1724	135	485
W4PRD	1,194,060	1026	101	319
K04HC	1,061,616	992	100	308
KC4ZV	766,314	712	107	307
W4NC	503,617	619	78	235
KB4FAS	286,412	931	66	146
W41MN	16,875	87	21	54
NSHRG	1,047,832	849	126	328
AB5YG	1,009,558	916	107	314
AB5K	901,269	812	110	309
W5UW	486,189	614	91	206
KL5L	277,240	516	75	157
W5HTK	196,301	361	62	141
W6EEN	2,950,740	2173	140	345
WAGTKV	540,710	712	92	186
AE0M/6	262,752	486	74	130
K6HRB	140,970	291	76	109
W6YRA	12,768	99	25	31
KE6WEH	5,426	63	25	18
W7SE	950,520	1243	115	241
N7QQ	636,840	659	114	246
AB7RS	609,280	1018	88	184
K6XO/7	388,046	567	82	169
W7JIS	327,420	570	68	136
N7IXG	86,310	256	45	81
AB7GM	24,220	143	30	40
K6AZ	3,984,120	2280	142	488
AA8U	3,062,499	1959	136	447
W9UI/8	914,208	782	118	325
KG8CY	438,064	566	86	218
N8ZSG	22,448	108	33	59
KS9K	4,589,184	2581	149	497
K8JP/9	907,707	757	118	325
W9JZ	897,127	813	112	315
N9LCR	64,350	173	53	97
W9YB	61,061	169	47	96
NC0P	2,611,008	1769	140	436
W0CP	1,933,312	1625	131	341
W2CRS/0	1,034,840	942	124	286
W0OF	415,233	563	81	192
N1DS	308,210	461	75	170
NBZA	1,019,817	1051	110	243

ALASKA				
KL7/N7DF	379,518	1284	45	84
BAHAMAS				
C6AHU	653,271	1397	69	144
BARBADOS				
8P9Z	9,213,928	5895	145	487
BELIZE				
V31DX	6,130,330	6110	124	334
BRITISH VIRGIN ISLANDS				
VP2VE	918,281	656	57	101

CANADA				
VE6JY	3,296,430	3165	117	318
VO2WL	3,224,394	3165	102	324
VE3RM	2,591,913	2159	114	357
VE6SV	2,371,808	3293	104	228
VA3SK	2,336,424	2486	100	302
VE7ZZ	2,011,492	2447	109	252
XM7ZFS	1,811,808	2746	100	188
CG2KCB	1,585,348	2137	76	231
CK7U	1,251,656	2515	73	144
XL2MCZ	1,201,078	2101	57	166
VE5TP	859,848	1501	78	186
VE5CB	558,486	1329	68	139
VE6AO	505,701	1137	72	135
VE2CMH	258,456	618	47	131
VE3RRII	229,448	380	62	170
VE2CUA	217,175	568	51	124
VE2UMS	127,776	497	38	83
CG2CLM	108,678	431	37	81
VE6ZC	30,600	203	35	40

CAYMAN ISLANDS				
ZF2DX	2,308,054	3627	85	202
GAUDELOUPE				
FG5BG	9,147,840	5931	137	487
GRENADA				
J3A	279,081	1218	19	80
GUANTANAMO BAY				
KG4ZE	2,655,010	3109	96	269

MEXICO				
6D2X	9,689,400	6445	153	477
4B9CQ	2,570,400	3284	104	232
ST. PIERRE ET MIQUELEON				
T05M	4,217,920	3648	97	351

TURKS AND CAICOS ISLANDS				
VP5WW	7,916,608	5580	136	438
VP5S	7,770,228	5904	135	436

AFRICA				
CANARY ISLANDS				
EABRG	5,701,934	3326	124	457
ED8CLU	841,425	1445	53	142

CEUTA & MELILLA				
ED9EA	9,707,190	5216	139	530
ETHIOPIA				
ET3AA	1,076,490	1497	83	160
MADEIRA ISLANDS				
CT3BX	9,043,258	5009	127	496
CT9M	6,019,698	4201	113	369
NAMIBIA				
V59X	3,764,264	3244	99	299
SOUTH AFRICA				
Z5SNK	2,973,776	2288	121	321
Z56SA	2,843,910	2407	109	296
Z54K	1,946,252	1854	98	258

ASIA				
ASIATIC RUSSIA				
R9MWS	1,663,408	1677	102	306
RK9AWN	1,067,220	1248	81	249
RK9YXI	500,192	916	61	163
RW9CWW	266,063	513	58	141
RK9AYZ	189,688	479	53	128
BRITISH SOVEREIGN BASES				
ZC4DX	4,257,110	3231	102	356

CHINA				
BY4BHP	189,051	730	61	98
HONG KONG				
VS6WD	4,941,597	4538	133	366

JAPAN				
JE6ZIH	2,730,984	2134	131	325
J8BYAK	1,803,930	1673	119	254
JG2ZQZ	1,747,284	1689	112	260
JA1YKX	1,550,928	1365	127	282
JA8YBY	1,497,392	1489	118	250
JA9YAA	1,325,583	1228	127	270
JA3YBF	815,626	781	123	258
JR7YCM	409,107	654	84	165
JA7YFB	385,764	709	71	133
JA2YKA	308,571	529	79	140
JA2ZJR	253,470	398	89	149
JH2ZLN	234,876	408	80	142
JA2YAF	3,312	34	21	25
JA1YAI	2,294	30	14	17

KIRGHIZIA				
EX2M	2,770,271	3008	90	283
KUWAIT				
9K2HN	2,323,683	2629	75	232
MYANMAR				
XY1HT	1,043,205	2604	80	175
SAUDI ARABIA				
HZ1AB	19,944	93	29	43
THAILAND				
HS50A	267,257	747	61	138

EUROPE				
AUSTRIA				
OE6Z	6,960,000	4293	147	568
OE2S	5,949,348	3794	150	568
OE3V	1,241,070	1500	97	313
OE5T	793,848	1312	78	294
BELGIUM				
OT5T	7,975,077	4355	161	570
OT5L	4,007,068	3095	130	456
OT5V	3,224,624	3098	112	369
ON6AH	3,145,259	2956	110	371
ON6BR	1,917,520	2231	98	342
OT5K	1,495,431	1892	105	336
ON6RM	200,895	577	51	176
BELARUS				
EU50UN	1,100,860	1716	91	289
EW4XA	107,358	341	46	128
BOSNIA-HERZEGOVINA				
T99MT	1,041,210	1865	88	326
BULGARIA				
LZ9A	9,327,936	4808	205	707
LZ7G	1,740,585	2972	93	292
CZECH REPUBLIC				
OK5W	6,243,090	3694	157	578
OL3A	3,018,764	3064	118	406
OL2A	958,107	1581	92	297
OK2KDD	874,280	1132	105	335
OL5T	566,784	1174	68	260
OL6M	542,520	984	75	199
OK1KZD	247,749	662	61	208

DENMARK				
OZ5W	4,336,408	3344	131	476
OZ5EDR	228,704	638	57	167

CROATIA				
9A7A	3,238,380	3080	123	417
9A6V	1,140,099	1418	99	320
9A1CEI	220,220	608	49	171
ENGLAND				
G30ZF	4,053,093	3071	134	523
G82AA	3,908,797	3026	136	507
GB6AR	2,434,425	2254	110	415
G0/AA4V	1,019,746	1675	75	263
GB8WW	772,564	1339	82	276
G4WPD	729,200	992	100	300
G3FJE	487,838	702	86	291
GX0WMMR	307,326	728	58	204
G4WWG	193,459	464	52	151
G0WAT/P	171,954	527	54	179
G0NKL	114,924	396	47	110

EUROPEAN RUSSIA				
RU3A	5,722,440	4810	153	492
RU6LWZ	4,593,600	3226	173	547
RN4V	2,995,785	3129	128	441
RA3AWO	2,518,896	2557	139	443
R26AXO	1,959,573	2150	137	424
RZ3Q	1,618,301	2086	121	366
RU4L	880,000	1597	79	273
RZ4AYT	451,248	1002	78	238
RK30WM	145,928	159	48	100
RK3RYV	145,692	440	53	160
RZ1AWO	9,928	119	16	57

FINLAND				
OH2HE	7,867,025	4446	170	605
OH7M	4,639,286	3536	141	485
OH3YLE	1,334,991	1587	111	342
OH9AR	733,120	1322	73	217

FRANCE				
TM2Y	9,130,602	5182	158	583
TM1C	9,060,660	5412	148	566
TM2T	3,635,580	3331	129	461
F5P5G	2,815,360	2672	116	414
TM8A	2,612,656	2902	125	441
F6FR	2,242,644	2498	94	350
F8KCF	1,877,085	1795	103	402
TM2F	1,222,445	1502	87	284
F6KDF	997,513	1533	78	241
TM8P	993,858	1413	99	327
F6KCS	618,144	939	83	293
F5BZB	530,120	1073	72	218

LUXEMBOURG			
LX/DF1VH	38,634	150	36 101
NETHERLANDS			
PA3DWD	4,044,324	3055	130 506
PI4CC	1,952,187	2211	109 412
PI4ZLD	1,612,160	1890	104 336
PI50TUE	398,174	814	61 177
PA3FNE	143,925	1176	17 78
NORWAY			
LA5M	133,406	506	46 136
POLAND			
SN6F	3,108,026	3010	130 408
SP3PLD	375,925	863	69 206
SP9KNT	261,240	681	80 200
SP9ZKN	189,450	713	44 181
SP6YFU	124,341	402	42 149
SP5YFC	55,476	352	29 105
PORTUGAL			
CT8T	5,421,372	4318	139 474
SICILY			
IT9EWG	479,196	1082	60 201
SLOVAK REPUBLIC			
OM7M	6,715,160	4202	157 611
OM5A	6,051,150	4002	158 556
OM3KHU	165,444	626	37 167
OM3RDP	26,536	222	23 84
SLOVENIA			
S57NW	1,175,306	1376	103 348
SPAIN			
EA5HQ	3,000,296	3138	109 333
EA3CWK	2,947,252	2818	122 417
ED3TR	2,293,806	2483	105 333
EA5BY	2,249,344	2549	103 361
EA1FDG	2,127,375	2323	95 280
EA3RKG	1,301,376	1852	93 291
ED1WW	1,105,300	1641	89 261
EA1EEY	1,025,962	1232	90 271
EA1CW	668,334	1155	79 255
EA1ACP	613,847	956	76 223
EA5SJ	437,100	779	68 214
EA1COZ	363,300	638	72 228
EA5JRD	128,148	523	37 140
ED2JRP	97,820	368	39 107
SWEDEN			
SM5FQ	2,728,160	2571	117 427
7S3GK	1,374,240	1871	113 96
SK2KW	913,405	1393	81 282
SI3GM	818,254	1424	71 282
SM0BGM	140,114	500	56 165
SM4AIO	128,148	523	37 140
SK7BD	103,602	412	38 148
SWITZERLAND			
H89H	5,113,216	3384	152 536
H89OK	977,084	1134	90 314
H89AJ	792,693	1503	63 234
UKRAINE			
EN5J	8,003,660	4059	194 786
UR4LWC	1,091,984	1268	120 371
UT4UWC	136,682	544	50 132
UR7IYU	127,618	1013	100 198
UT4UWL	103,170	405	45 136
UN-GENEVA			
4U0ITU	2,430,480	2435	115 405
WALES			
GW8GT	4,657,804	3608	138 484
GW3CSA	713,804	1246	81 290
YUGOSLAVIA			
YT9N	2,306,048	3008	106 406
YU7AL	744,444	1155	90 276
YU1AAV	148,500	600	60 138
4N7Z	112,128	400	57 135
OCEANIA			
AUSTRALIA			
VK4M2	2,809,322	2094	108 225
VK10X	1,257,982	1647	92 179
HAWAII			
KH6RS	2,875,660	3349	108 187
NEW CALEDONIA			
FK5DX	1,924,932	2471	97 185
NEW ZEALAND			
ZM2K	2,244,757	2297	98 239
SOUTH AMERICA			
ARGENTINA			
LV1V	4,977,910	3548	126 364

LP4H	3,453,840	3247	120 249
LU1FZR	3,169,374	3055	109 249
LU1HLH	2,424,076	2421	97 249
LU1YY	1,404,683	1877	73 190
L3HP	1,177,290	1610	73 181
LU8DZE	1,143,408	1607	78 168
LU1UM	707,184	1156	77 139
LU1NF	350,176	576	82 166
BRASIL			
PT7CB	8,281,900	5053	129 421
PX9Z	475,200	1054	53 107
CHILE			
CE8SFG	2,886,728	3096	82 246
ECUADOR			
HC2GT	562,496	1058	63 125
NETHERLANDS ANTILLES			
PJ9T	3,977,361	3749	98 251
PARAGUAY			
ZP0R	2,955,316	3435	94 205
ZP5WVY	1,408,755	1770	73 212
MULTI-OPERATOR MULTI-TRANSMITTER NORTH AMERICA			
UNITED STATES			
N2RM	12,199,016	5642	159 635
K3LR	11,370,057	5399	163 610
W3LPL	9,638,216	4769	154 609
K1KI	8,887,262	4413	147 587
KY1H	8,643,627	4758	153 558
N3RS	6,453,540	3360	142 561
N4ZC	6,048,323	3175	151 540
W4MYA	5,294,014	3093	147 515
AA2Z	4,015,942	2336	127 475
NGAW	3,676,904	2509	151 366
K3ANS	3,361,864	2176	129 475
W4Y	3,062,273	2099	131 440
K6VI	2,672,631	2031	139 336
W0AIH/9	2,630,474	1913	134 417
W3MM	2,289,887	1403	128 459
NK7U	2,264,580	2154	124 290
K1SSN	1,908,736	1323	122 390
NE3F	1,755,635	1319	109 378
K60WY	757,520	821	95 245
KG8CW	745,710	746	100 271
K7FR	648,540	885	81 189
N0UEI	223,080	399	74 146
K06IC	42,432	176	38 58
ANTIGUA			
V26B	22,384,428	11930	157 602
CANADA			
VA9DH	12,229,445	7394	138 529
VG6FI	2,119,776	3221	100 211
VE5RI	988,812	1873	82 160
VY2CR	186,124	506	45 113
DOMINICANA			
H13/ WA2VUY	3,108,399	3995	84 273
MEXICO			
XE2DV	5,571,104	5890	129 289
SAN ANDREAS			
HK0/ KH8AL	5,443,092	6090	109 295
TURKS AND CAICOS ISLANDS			
VP5T	5,771,952	5741	111 321
ASIA			
JAPAN			
JA3ZOH	11,104,712	5426	175 549
JH5JS	10,294,470	5666	165 477
JA1YDU	5,333,672	3346	158 426
JA7YRR	3,557,076	2701	146 315
JR1ZTT	3,500,640	2705	138 330
JA3YKC	1,152,939	1260	116 223
JK1ZH	250,050	420	80 134
MONGOLIA			
JT1Z	4,447,872	5435	298 118
MYANMAR			
XZ1A	2,594,507	3792	109 252
EUROPE			
BALEARIC ISLANDS			
ED6IB	5,157,353	5548	115 426

BELGIUM			
OT5A	15,120,045	9124	171 660
BULGARIA			
LZ7M	1,372,512	1911	106 358
CZECH REPUBLIC			
OK10KE	598,595	1104	69 280
OK1KIR	463,060	910	258 80
CORSICA			
TK2C	13,886,544	10329	152 625
CROATIA			
9A1A	16,362,936	10173	175 653
9A5D	2,677,500	3872	109 367
ENGLAND			
G0KPW	17,257,440	9553	178 738
FINLAND			
OH3NE	2,429,130	3059	113 397
GERMANY			
DK5EZ	3,461,017	3005	124 457
DF3GG	703,392	895	102 329
HUNGARY			
H673DX	14,997,749	8925	176 695
ITALY			
IK3STG	1,105,584	1626	84 388

LIECHTENSTEIN			
HB0/ HB9AON	3,066,216	3753	109 401
LITHUANIA			
LY35Z0	3,261,951	4055	128 439
LUXEMBOURG			
LX/DL4OCL	501,795	1174	58 237
NETHERLANDS			
PI4COM	8,413,164	6272	149 559
PA6V	665,305	1582	60 211
NORWAY			
LA1R	70,716	303	33 109
POLAND			
SP2PIK	570,064	1100	77 239
SCOTLAND			
GM4DMZ	4,615,497	4330	128 511
SLOVENIA			
S56M	52,809	553	17 70
SPAIN			
ED4RCT	3,400,533	3419	110 367
EA2AU	2,460,648	2807	109 380
ED7ESH	318,450	715	65 210

UKRAINE			
EM2I	12,241,254	8686	176 651
EM7C	3,033,012	3379	130 461
YUGOSLAVIA			
YT9W	11,491,270	8102	188 647
ZY6G	1,581,372	2288	94 309
OCEANIA			
HAWAII			
WH6R	10,569,456	7942	155 309
NORTHERN MARIANAS			
KH0AM	12,743,948	7694	162 412
SOUTH AMERICA			
ARGENTINA			
LU4FM	9,563,859	6091	133 410
LR3H	404,814	887	56 103
L3HL	175,440	488	50 79
NETHERLANDS ANTILLES			
PJ9B	33,279,744	13914	166 650
VENEZUELA			
YV3AJ	2,195,695	2453	82 223

CHECK LOGS

Our thanks to the following stations who sent in check logs:
 4X4NJ, J76AAO/1, 9X/SM5DIC, C31LU, CX3TI, DL1ASF, DL1HSH, DL1JEI, DL3AG, DL4RCE, DL5DWW, DL5JRA, DL5YSM, EA1ASB, EA1ATL, EA1AUT, EA1AXY, EA1BXX, EA1CO, EA1EBJ, EA1OB, EA2ABM, EA2ARW, EA2Z, EA2XR, EA3ADM, EA3AFW, EA3BLC, EA3DUW, EA3FYD, EA3GDX, EA3JD, EA3KB, EA4AFI, EA5AHP, EA5AT, EA5BX, EA5ZS, EA6GCF, EA6ACF, EA6ACX, EA7AFP, EA7AIG, EA7BVI, EA7EFE, EA7GR, EA7GW, EA7HAE, EA7JB, EA7VE, EA8ABH, EA8BXQ, EA8TH, EA9IE, EC3AFG, EC5CXI, EC7AFB, EW8CM, EW8DA, F6CLM, HA2MV, HA7PW, HA9P3, HC1NWW, HK6KKK, JA4AQA, KG9AC, KR0U, KS4NC, KS4XG, LA2GCA, LA2HFA, LA40GA, LA8CD, LA8DY, LA8XM, LA9NM, LA9VGA, LU3HBO, LZ2UZ, LZ3BS, LZ4UU, N0XCF, NQ9M, OH1NAD, OH1PN, OH1PY, OH2FQ, OH3BI, OH3TY, OH3WR, OH5NCG, OH5WL, OH6TV, OK1AD, OK1DJB, OK2BMM, OK2OED, OM2SM, ON7YP, OZ1CID, PA0ASN, PA0ZH, PU5YIF, PY7AHJ, R0JURBLV, RA3GCC, RA9FF, RK9AWO, RS4498A, RX9UTB, SI2GM, SM0BXT, SM0CSX, SM2KAL, SM4AWC, SM4BNK, SM4TYF, SM6CDV, SM6HRR, SM6LIF, SP1DPA, SP1GZT, SP1RKM, SP2IU, SP2LUK, SP3PFR, SP4AS, SP4CMW, SP4EEZ, SP5DIO, SP5GKN, SP5JTM, SP5NH, SP5SSB, SP6AEG, SP6AU, SP6CES, SP6JZB, SP6LK, SP7NMW, SP8BJH, SP8CCL, SP8FHM, SP8JMA, SP8KO, SP8WJD, SP9AVZ, SP9CLO, SP9DAE, SP9DIH, SP9LLA, SP9WJZ, SPL-200189, UA0CW, UA2EC, UA3CEA, UA3DFV, UA3NAI, UA3XGM, UA4FLB, UA9OSV, UT5UAG, UJ9JN, VE3BR, VE7YJ, VF5GC, W9VSD, YB2ARW, YB3TAF, YR6INU, YL2IP, YL3BR, YO3CDN, YO3FRI, YO4SI, YO5CUU, YO7BA, YO8AI, YV5JEI, Z31JA, ZL4AS.

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