

Results of the 2002 CQ WW DX SSB Contest

BY BOB COX,* K3EST

Everyone was anticipating the big event, the 2002 CQ WW SSB Contest. Thousands of contesters had spent time building up their stations to meet the challenge. Countless phone calls, e-mails, and meetings with contesting as the topic had taken place among friends from Macao, to Argentina, to Germany, to . . . Contesters have a bond and never tire of talking about, planning, and building their contesting skills and stations. If you want to have a great time and work exotic countries, join a contesting team or set personal goals you can strive to achieve.

The 2002 contest was a challenge in many ways. Countries, countries everywhere, and not enough time! Conditions covered the whole gamut. They were great, to average, to poor, depending on the day and where you were on the planet. Multiple auroras in the northern latitudes made life tough. Gale-strength storms throughout western and central zone 14 made just staying on the air a challenge. Propagation Friday was outstanding, and then a solar event reduced conditions until Sunday, when the bands were hopping again. From the number of entrants, it is apparent that everyone rode the roller coaster and enjoyed themselves. The CQ WW always brings out the best in contesters. There were great efforts from all corners of the world.

High Power

A North American station took top honors again in the CQ WW SSB! Jeff, N5TJ, operating with the call KP3Z, made a fantastic score of 15.6 million points, thus setting a new North American record! Finishing in second place was Jim, W7EJ, who traveled to CN2R. QSOs came more easily there than at 9M8R, his usual abode. Third place in the world went to Jose, CT1BOH, operating at PT0F. All three operators provide examples for contesters to model themselves after: willingness to travel to put their skills to the maximum challenge, detailed planning of the whole contest, the flexibility to change with changing conditions, and very high motivation.

In Europe Chris, GM3WOJ, traveled to the Isle of Man, where he found conditions to his liking. He talked GD6IA to the top score in Europe. Second place went to GM7V operated by Keith, GM4YXI. Both top scorers are members of the North of Scotland Contest Group. In third place was SN7Q operated by Chris, SP7GIQ.

In the U.S. Bob, KQ2M, did his usual fine job. His station has been built up to a high level. More QSOs and mults always lead to a big score. Second place went to Ken, K4ZW, who has steadily moved up the top ten list. A great

job from northern Virginia. Third place went to Pat, N9RV, who also did a great job in his station's real maiden voyage from northern Indiana. The competition in the 9th call area was fierce with N9RV, W9RE, and WB9Z fighting it out. The number one score from out west was Dean, N6BV, with K5RR/7 coming in second.

Continental leaders were KP3Z (NA), CN2R (AF), 9K9X (AS), GD6IA (EU), VK5GN (OC), and PT0F (SA).

Low Power

The number one 100W or less entrant in the world was Alberto, IV3TAN, operating D44TD. This was a new world record. Second place world went to Didier, FY5FY, and third place went to John, W2GD, operating P40W.

In the U.S. there were seven scores over 1 million! In this hotly contested category the top spot went to Les, N1SV. You had to turn your beam west to find second place, Terry, N4TZ/9, and third place, Marv, N5AW. The top score from the far west was made by Tom, N6NF, followed by Bill, AC0W.

In the very competitive atmosphere of Europe, the top honor was taken by Andrius, LY2TA, at LY7Z from the northeastern tip of Europe. Second place went to Manuel, EA7RM, operating at the southwestern tip. Third place went to Zlatko, 9A2EU. All three turned in top-notch scores. Other very notable scorers were 6W/F6HLC, ZX2B, 9G5MD, and CN8NK.

Continental leaders were 6Y9X (NA), D44TD (AF), JT1BV (AS), LY7Z (EU), KH6/N0HJZ (OC), and FY5FY (SA).

QRP

Entering the QRP category calls upon the entrant to perfect his or her contesting skills. Searching for QSOs, timing calling CQ, and knowing when to give up and go search and pounce all are factors. For the first time in a long time, the first three QRP world winners were from Europe. What a fight for the top positions! The number one world QRPer was Gerard, F5BEG, followed by SP3KEY (SP3DWQ) and Bosko, YT7TY. All three broke the 1000 Q mark, but only F5BEG broke the 1 Meg barrier.



The KH7R Multi-Multi team (left to right): KH6ND, KL7Y, KH7U, WL7E, AH6OZ, K9PG, WA2GO, and K9NW. Sadly, KL7Y became a Silent Key less than a week after the contest.

First place in the U.S. went to Tom, N4KG. What a great job he did. A very FB second-place effort was turned in by Rev, N0KE, way out in Vail, Colorado. Third place U.S. went to Larry, N5FPW/4. The top West Coast scorer was Jim, W6YJ, followed by Alan, W6RCL.

Special mention should be made of JR4DAH and JA1YNE, who submitted the top scores in Asia. The single band efforts of TT8ZZ, EA2CAR, UN4L, LR7E, KP4KE, KR2Q, 6D2X,

Expanded CQ WW Contest Results on the Web

We've moved a few elements of our contest reporting onto the CQ website again this year, including **Station Operators** of Multi-Op stations, **Team Contesting**, **Top Scores in Very Active Zones**, and **Zone Leaders/Single Op**. In addition, we have expanded **QRM** on the web.

To view these additional and expanded elements of the 2002 CQ WW SSB results, go to <http://www.cq-amateur-radio.com/cqwwhome.html>, then click on "Expanded Results, 2002 CQ WW SSB" and select the category you want to see. You may also get there by going to our home page at <http://www.cq-amateur-radio.com>, clicking on "Contest Rules & Info," then clicking on "CQ World Wide DX Contest" and selecting "Expanded Results, 2002 CQ WW SSB."

*e-mail: <k3est@cqww.com>

TROPHY WINNERS AND DONORS

SINGLE OPERATOR

World All Band
KP3Z (Opr. Jeff Steinman, N5TJ)
 Donor: Dave Rosen, K2GM
 WA2RAU & W2SKE Memorial

World Low Power
D44TD (Opr. Alberto Annesi, IV3TAN)
 Donor: Slovenian Contest Club

World QRP
Gerard Gendron, F5BEG
 Donor: Doc Sayre, W7EW

World Assisted
P40P (Opr. Robert Wood, W5AJ)
 Donor: CTRI Contest Group

U.S.A.
Robert Shohet, KQ2M
 Donor: Potomac Valley R.C. – KC8C Memorial

U.S.A. Low Power
Les Peters, N1SV
 Donor: North Coast Contesters

U.S.A. Zone 3
Dean Straw, N6BV
 Donor: Dave Pruet, K8CC & Greg Surma, K8GL

U.S.A. Zone 4
Pat Barkey, N9RV
 Donor: Dave Pruet, K8CC & Greg Surma, K8GL

Canada
John Sluymmer, VE3EJ
 Donor: Niagara Frontier Int'l DX Assn.
 VE3WT Memorial

Caribbean/C.A.
FS/AH8DX (Opr. Craig Maxey, AH8DX)
 Donor: Alex M. Kasevich, VP2MM

Europe
GD6IA (Opr. Chris Tan, GM3WOJ)
 Donor: Potomac Valley R.C.
 W4BVV Memorial

Europe Low Power
LY7Z (Opr. Andrius Ignatas, LY2TA)
 Donor: Scott Jones, N3RA & Tim Duffy, K3LR

Russia
RM4W (Opr. Sandy Orlov, RW4WR)
 Donor: Roman Thomas, RZ3AA

Africa
CN2R (Opr. Jim Sullivan, W7EJ)
 Donor: Gordon Marshall, W6RR

Asia
9K9X (Opr. Hamad Al-Nusif, 9K2HN)
 Donor: 2 AM Dayton Pizza Gang

Japan
Masaki Okano, JH4UYB
 Donor: Japan Crazy Contesters Club

Japan Low Power
Masaru Takahashi, JS1OYN
 Donor: Western Washington DX Club

Oceania
Martin Luther, VK5GN
 Donor: Northern California DX Club

South America
PT0F
 (Opr. Jose Carlos Cardoso Nines, CT1BOH)
 Donor: Yankee Clipper Contest Club

South America – Mainland
Didier Bironneau, F5FYF
 Donor: Radio Club Paraguayo

SINGLE OPERATOR, SINGLE BAND
World – 28 MHz
TY0T (Opr. Pasquale Speranza, I8QLS)
 Donor: Joel Chalmers, KG6DX

World – 21 MHz
TY3M (Opr. Pier Iovino, W1NA)
 Donor: Robert Naumann, N5NJ

World – 14 MHz

IG9A (Opr. Fabio Grisafi, IT9GSF)
 Donor: North Jersey DX Assn. – K2HLB Memorial

World – 7 MHz

9Y4TBG (Opr. Andreas Kretzschmar, DL4MEH)
 Donor: Fred Laun, K3ZO – K7ZZ Memorial

World – 3.7 MHz

IG9V (Opr. Marco Pimpolari, IK0YVV)
 Donor: Fred Capossela, K6SSS

World – 1.8 MHz

C4A (Opr. Ivo Pezer, 5B4ADA)
 Donor: Robert Wruble, W7GG

USA – 28 MHz

Bill Tippett, W4ZV
 Donor: Donald Thomas, N6DT

USA – 21 MHz

William Johnson, KV0Q
 Donor: Worldradio

USA – 14 MHz

Daniel Handa, W7WA
 Donor: Southern California DX Club

USA – 7 MHz

Bill Kollenbaum, K4XS
 Donor: Stanley Cohen, W8QDQ

USA – 3.7 MHz

Theodore Demopoulos, KT1V
 Donor: CQ Magazine

USA – 1.8 MHz

Ronald McClain, W2VO
 Donor: CQ Magazine

Carib./C.A. (21 MHz)
KP2A (Opr. Robert Hayes, KW8N)
 Donor: CQ Magazine

Europe – 28 MHz

Emil Balen, 9A9A
 Donor: Worldradio

Europe – 21 MHz

TM9R (Opr. Michel Rousselet, F5FNL)
 Donor: Tine Brajnik, S50A

Europe – 14 MHz

Petar Milicic, 9A6A
 Donor: A.G. Anderson, GM3BCL

Europe – 7 MHz

Tine Brajnik, S50A
 Donor: Roger Burt, N4ZC

Europe – 3.7 MHz

OE6Z (Opr. Michael Schwab, OE6MBG)
 Donor: Marconi Contest Club – I3MAU Memorial

Europe – 1.8 MHz

Bojan Sever, S57M
 Donor: Robert Kasca, S53R

Oceania (28 MHz)

Stanley Tomyl, AH6JR
 Donor: Bruce D. Lee, KD6VWV

Japan – 21 MHz

Satoshi Hara, JH5FXP
 Donor: DX Family Foundation

Japan – 14 MHz

Kenji Sharyo, JI3BFC
 Donor: Take Yokoyama, JL1BLW

MULTI-OPERATOR, SINGLE TRANSMITTER

World

HC8A (Oprs: W6NL, K6BL, XE1KK, N5KO)
 Donor: So. Calif. DX Club – W6AM Memorial

U.S.A.

N4PN (Oprs: N4PN, NF4A, N4OX, KB4ET)
 Donor: Carolina DX Association

Carib./C.A.

8P8P (Oprs: NT1N, W1UK, WC1M, W2SC)
 Donor: Eric Scace, K3NA

Africa

EA8ZS (Oprs: EA8ZS, EA4DX, OH0XX, OH1MA, OH1RY, OH2BH, OH2MM, OH2JTE, OH2PM, OH2TA)
 Donor: CQ Magazine

Asia

P3A (Oprs: RA9JX, RZ9UA, RZ3TX, RA0AM, RW9UP, UA9UR, RV9UP, UA9CDV)
 Donor: Edward L. Campbell, NT4TT

Japan

JA7YAA (Oprs: JE7HLZ, JG7PSJ, JO7DJT, JO7FTJ, JI5RPT)
 Donor: Vienna Int'l ARC – 4U1VIC

Europe

TM5C (Oprs: F5VCO, F5LND, F5NLY, F6ARC, F6CTT, 5B4WN)
 Donor: Bob Cox, K3EST

Oceania

KH0AA (Oprs: JF1SQC, JP1NWZ, JE1JKL)
 Donor: Junichi Tanaka, JH4RHF

South America – 2nd Place

LR0N (Oprs.)
 Donor: Victor Burns, KI6IM

MULTI-OPERATOR, TWO TRANSMITTERS

World

PJ2T (Oprs: WC4E, K1AR, K8NZ, W1MD, N8BJQ)
 Donor: Ranko Boca, YT6A

U.S.A.

N3RS (Oprs: N3RS, N3RD, N3ED, N2SR, W8FJ, WA3LRO)
 Donor: Kimo Chun, KH7U
 Dan Robbins, KL7Y Memorial

MULTI-OPERATOR, MULTI-TRANSMITTER

World

IH9P (Oprs: DF4OR, JA3USA, K3PN, OL5Y, I2IFT, IK2ANI, IK2CIO, IK2HKT, IK2RZP, IK2SND, IK2YCN, IK7JWY, IK8ETA, IN3QBR, IN3SAU, IN3ZNR, IT9BLB, IT9WPO, IT9ZGY, IT9ZMX, SWL Matteo)
 Donor: Dave, W6NL & Barb, K6BL Leeson

U.S.A.

KC1XX (Oprs: KC1XX, AD1C, HC1OT, K1DG, K1GQ, W1FV, KM3T, K6AW, N6HB, N6IG)
 Donor: Paul Hellenberg, K4JA

Europe

DF0HQ (Oprs: DK4WA, DL1AUZ, DL2SAX, DL3DXX, DL3TD, DL4ALB, DL5AOJ, DL5ANT, DL5AXX, DL5LYM, DL5YY, DL7VOA)
 Donor: Finnish Amateur Radio League

Japan

JA3YBK (Oprs: JH3PRR, JG3KIV, JI3OPA, JH4IFF, JH4NMT, JR4ISF, JF4FUF, K9XW)
 Donor: Ryozo Goto, JH3JYS

CONTEST EXPEDITIONS

World Single Operator

TO5A (Opr: Al Crespo, NH7A)
 Donor: National Capital DX Assn.
 Stuart Meyer, W2GHK Memorial

World Multi-Single

VP5B (Oprs: K4ISV, K4BBN, N4YBG, K4CN)
 Donor: Dieter Loffler, DK9KD
 European DX Foundation

World Multi-Multi

XX9C (Oprs: XX9BB, VR2BBC, VR2ZST, VR2MK, VR2MY, VR2KW, BA7IA, BD7IB, BG7IEE, BA7JA, BA7JG, BD7NI, BA7NQ)
 Donor: Tachio Yuasa, JA9VDA

SPECIAL SINGLE OPERATOR AWARD

World-All Band Under 21 years old
Hamilton Oliveira Martins, PX2W
 Donor: Gene Zimmerman, W3ZZ

EA4DQD, JL7BRH, RW3VZ, and YU1RA were outstanding.

Continental leaders were N4KG (NA), JR4DAH (AS), F5BEG (EU), VK3VP (OC), and AY5FZ (SA).

Assisted

Operating in the Assisted category takes discipline. You have to make the best use of it without giving up your QSO total. It's not easy to do. All the top Assisted ops have mastered the balancing act.

Taking the top place in the world and setting a new world record was Robert, W5AJ, operating at P40P. Second place went to Al, 4L5A, at D4B, who operated from a mountaintop. Serge, M0SDX, traveled over to GI0KOW and took European honors as G15W. What a fine job. Just to stay on the air in zone 14 during hurricane-like weather was a challenge. Second place in Europe went to Ben, DL6FBL, and third place to Stanko, S50S.

In the U.S. the battle for the top spot was fierce. First place went to Ray, W2RE, followed by Charlie, K3WW, and Noah, K2NG.

Continental leaders were W2RE (NA), D4B (AF), JY9QJ (AS), G15W (EU), KH6/K1ER (OC), and P40P (SA).

Multi-Single

A real battle occurred in the Multi-Single category. Three FB stations with top operators went head to head. The winner was the team from the Galapagos, HC8A. Located due south of New Orleans, they sure were heard everywhere. Across the Atlantic, EA8ZS, manned by seasoned contesters, finished second. Third

TOP SCORES

WORLD High Power All Band

KP3Z	15,655,517
CN2R	14,220,891
PT0F	12,796,580
3V8BB	11,110,708
P40B	9,630,495
9K9X	9,194,824
FS/AH8DX	8,646,482
VE3EJ	8,498,500
VY2ZM	8,206,100
KQ2M/1	7,152,781

28 MHz

TY0T	2,418,341
CX5BW	1,687,442
9A9A	1,598,832
9K2ZZ	1,590,075
ZY5G	1,508,940
ZS6WPX	1,434,680

21 MHz

TY3M	2,332,568
ZX5J	2,236,500
KP2A	1,795,425
H22H	1,592,981
9S1X	1,498,350
JH5FXP	1,300,065

14 MHz

IG9A	2,235,534
P40A	2,129,650
9Y4NZ	1,568,583
9A6A	1,105,808
OK1RI	1,098,240
ZS6Z	1,079,760

7 MHz

9Y4T8G	912,950
EA9LZ	717,831
S50A	574,896
9A5E	470,960
YT7A	418,264
LY5A	404,337

3.7 MHz

IG9V	261,423
OE6Z	192,170
YT0A	189,244
OM0C	184,140
S54E	174,570
EI8IR	159,965

1.8 MHz

C4A	95,140
S57M	77,784
OZ3SK	56,092
EU6EU	49,876
4O6A	49,476
LY2HM	42,813

Low Power All Band

D44TD	11,199,793
FY5FY	8,508,468
P40W	6,670,839
6W/F6HLC	4,904,544
ZX2B	3,391,158
LY7Z	3,278,436
EA7RM	3,229,525
9G5MD	2,661,100
9A2EU	2,531,504
CN8NK	2,436,591

28 MHz

PJ4/OH1VR	1,248,528
AY4DX	1,162,842
HC1JQ	1,187,460
EA8TX	1,106,481
LU3HIP	925,141
LV7H	917,205

21 MHz

VE3DZ	508,375
CX7BY	411,680
L44DX	409,386
OK1TN	361,916
EA7HBP	352,728
W6AFA	307,784

14 MHz

YU7ZZ	388,512
HP1BYS	332,905
RK9AWC	317,756
UN9LN	294,224
EA3GHZ	293,058
UN7JX	258,279

7 MHz

UA9AYA	192,786
EU1AZ	51,429
UZ5U	49,868
SM6DOI	40,020
VK4UC	38,934
PA1TT	38,335

3.7 MHz

T94YT	80,238
DH6LS	56,050
4N0B	41,144
OK2HI	39,120
OK1FPS	36,660
LY2OW	35,428

1.8 MHz

TA3J	58,410
HA8BE	40,460
S50O	38,304
LY3UM	28,050
SP4ZO	25,380
G3UEG	24,366

QRP, All Band

F5BEG	1,158,573
SP3KEY	963,795
YT7TY	925,010
N4KG	625,488
JR4DAH	567,948
JA1YNE	437,570
N0KE	427,305
IK5RUN	360,914
DF1DX	304,720
UA9AMF	295,380

Assisted, All Band

P40P	12,975,732
D4B	11,567,412
G15W	7,364,135
JY9QJ	6,929,280
W2RE	5,921,160
K3WW	5,524,008
DL6FBL	5,409,850
S50S	5,372,406
K2NG	4,732,595
OE1A	4,625,844

Multi-Op, Single Trans

HC8A	22,511,664
EA8ZS	20,869,812
8P8P	20,065,950
P3A	19,647,550
TM5C	12,661,826
KH0AA	12,599,064

Multi-Op, Two Trans

PJ2T	28,415,835
ZD8Z	24,897,950
CT9L	22,064,112
V26B	18,756,933
ZW5B	16,201,515
RW2F	14,163,303

Multi-Op, Multi-Trans

IH9P	49,469,160
A61AJ	33,377,700

CQ9K	31,004,311
KH7R	28,795,122
YV4A	25,461,886
KC1XX	19,390,428

USA High Power All Band

KQ2M/1	7,152,781
K4ZW	6,168,400
N9RV	5,638,400
K5ZD/1	5,280,044
K3ZO	5,276,637
W9RE	4,769,154
WB9Z	4,386,756
W2WB	4,170,965
W3BGN	4,155,347
K3CR	3,847,584

28 MHz

W4ZV	1,027,900
K5RX	950,274
W5PR	888,960
K4VI	850,500
N4BP	685,562
K7KR	275,184

21 MHz

KV0Q	633,476
N3HBX	549,180
W7UT	539,460
W5TM	484,330
K4VUD	347,400
WA2C/3	303,600

14 MHz

W7WA	725,420
N7DD	366,405
W7EB	181,200
WY3T	144,596
KR6NA/0	104,604
K9CAN	94,381

7 MHz

K4XS	291,942
WQ2M	79,910
N8PR/4	57,938
K7XZ	47,124
W9SE	30,096
K1EY/4	26,746

3.7 MHz

KT1V	144,584
AA1BU	131,712
AA4MM	17,400
K0GT	13,200
W5FO	12,600

1.8 MHz

W2VO	1,736
N8LIQ	360

Low Power All Band

N1SV	1,815,696
N4TZ/9	1,743,126
N5AW	1,679,288
NR3X/4	1,567,718
W1CTN	1,406,529
WB2ZTH	1,286,168
N4IG	1,245,335
K1HT	1,221,090
WS1A	1,219,910
W1KT	1,212,848

28 MHz

N5XJ	283,986
K2MFY	270,907
W8LU	257,232
NX5N	225,760
W7UPF	200,504
KY5N	193,575

W6AFA	307,784
W0AH	243,162
N4MO	235,221
AG9S	186,202
KX9X	167,850
W1EL	141,372

14 MHz

K3SWZ	111,244
W4LC	89,027
K2RED	75,936
KA2JEM	75,438
KX2S	49,920
KG1V	38,315

7 MHz

K2UF	25,315
*KU1CW/0	22,596
N2KX	21,951
K2YEH	19,295
KA0CT	2,726
N0HF	1,290

3.7 MHz

KC5LK	1,980
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1.8 MHz

W2MF	1,856
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QRP, All Band

N4KG	625,488
N0KE	427,305
N5FPW/4	210,330
K8ZT	205,680
N8IE	197,883
KI0OV	150,084
KR1ST/4	141,300
W6YJ	137,940
WB9CL	109,716
W7/KH7YD	90,117

Assisted, All Band

W2RE	5,921,160
K3WW	5,524,008
K2NG	4,732,595
N2MM	4,416,000
W1US	4,384,860
AA1K/3	4,161,241
K3PP	3,938,159
W1GD/2	3,811,293
W4NF	3,713,235
AA3B	3,627,942

Multi-Op, Single Trans

N4PN	6,490,108
K8AZ	6,027,318
N0NI	4,932,074
K1IR	4,836,000
N1MM	4,569,120
K0RF	4,540,791

Multi-Op, Two Trans

N3RS	11,461,072
K4JA	11,091,128
K1IG	9,920,961
N2NT	9,834,670
K1KI	9,626,703
W6KK	6,957,630

Multi-Op, Multi-Trans

KC1XX	19,390,428
W3LP	17,683,044
K9NS	16,150,140
N4TO	13,218,114
N2RM	12,788,160
W4MYA	10,575,400

EUROPE All Band

GD6IA	6,090,309
GM7V	5,691,290

SN7Q	5,430,567
GW4BLE	5,251,157
HA8JV	4,998,371
S57DX	4,959,416
EA4KD	4,785,046
EA3NY	4,367,994
EA5DFV	3,910,340
RM4W	3,742,992

28 MHz

9A9A	1,598,832
EA3QP	1,312,329
S58D	1,024,200
S50K	1,018,868
YU1ZZ	833,924
DF0WA	832,020

21 MHz

TM9R	1,029,888
YT6A	1,027,140
TM7XX	1,001,222
IY4W	985,136
UX0FF	962,298
S57O	886,405

14 MHz

9A6A	1,105,808
OK1RI	1,098,240
OH2BH	916,943
SL3A	851,228
RZ3AA	688,560
YZ9A	635,719

7 MHz

S50A	574,896
9A5E	470,960
YT7A	418,264
LY5A	404,337
SP6IXF	320,324
OH0NL	242,496

3.7 MHz

OE6Z	192,170
YT0A	189,244
OM0C	184,140
S54E	174,570
EI8IR	159,965
I4AVG	133,533

1.8 MHz

S57M	77,784
OZ3SK	56,092
EU6EU	49,876
4O6A	49,476
LY2HM	42,813
DK9IP	30,015

Low Power All Band

LY7Z	3,278,436
EA7RM	3,229,525
9A2EU	2,531,504

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
KP3Z	85/9/27	431/20/76	711/31/98	2384/39/140	2009/34/128	3036/32/123
CN2R	103/9/46	228/17/65	407/18/76	1568/30/118	1213/35/122	3762/36/125
PT0F	24/9/19	134/16/49	274/19/45	2604/33/117	1569/32/126	2905/29/116
3V8BB	128/8/50	289/15/75	544/23/89	1341/37/125	1022/32/122	2364/35/131
P40B	87/6/15	184/13/39	524/25/74	1564/31/96	1550/32/93	2561/27/102
9K9X	59/8/27	145/12/52	359/28/92	1411/36/134	1193/34/125	1601/34/115
FS/AH8DX	120/12/32	294/11/34	320/19/69	1251/28/98	1995/31/118	2335/29/117
VE3EJ	204/11/25	360/19/65	399/29/92	672/35/128	1227/37/133	1741/33/132
VY2ZM	138/9/38	385/17/70	537/24/78	1117/35/116	1161/31/108	1498/30/109
KQ2M/1	23/6/13	201/19/71	234/27/84	822/36/146	1281/37/140	1263/33/127

USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
KQ2M/1	23/6/13	201/19/71	234/27/84	822/36/146	1281/37/140	1263/33/127
K4ZW	29/9/18	164/20/70	162/25/77	475/33/117	1231/33/138	1113/32/128
N9RV	19/7/13	93/15/52	235/21/68	731/37/124	1058/36/125	1108/33/109
K5ZD/1	27/9/16	157/17/69	201/23/82	581/35/120	692/33/126	1101/31/121
K3ZO	8/4/7	112/16/56	142/19/62	498/32/114	1123/33/121	1215/32/125
W9RE	24/7/13	148/24/70	173/24/78	568/35/126	812/32/124	864/33/121
W9BZ	32/13/20	128/20/61	153/26/73	337/33/106	575/33/118	1274/35/130
W2WB	25/6/15	87/14/59	99/20/72	451/34/130	522/32/125	1265/33/142
W3BGN	35/8/16	164/17/65	135/22/66	465/35/101	654/33/112	1053/29/115
K3CR	19/7/13	96/15/54	213/22/79	540/34/122	859/33/116	579/27/102

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

HC8A	24/8/22	426/24/77	962/32/109	2015/37/154	1249/37/148	5117/36/144
EA8ZS	56/11/52	171/17/92	523/33/114	2474/38/161	2125/38/165	2712/39/158
8P8P	81/8/25	459/19/84	890/31/109	2048/39/148	2695/38/156	3704/37/156
P3A	146/9/52	543/15/76	725/25/99	2368/39/154	2194/35/141	2915/37/153
TM5C	177/10/60	822/21/94	594/33/110	1421/38/159	1189/39/153	1952/39/166
KH0AA	1/1/1	114/16/24	487/29/65	1616/38/142	2432/37/129	2222/37/129

USA MULTI-OPERATOR SINGLE TRANSMITTER

N4PN	22/8/19	70/16/54	180/30/97	830/36/143	864/35/145	1386/34/156
K8AZ	26/11/24	96/21/74	214/30/100	475/37/147	585/35/140	1436/34/150
N0NI	19/8/14	97/20/62	213/31/102	462/38/143	765/36/146	933/31/149
K1IR	12/5/11	307/17/85	217/24/95	419/34/132	719/33/133	888/33/143
N1MM	20/5/12	86/14/52	159/22/80	572/33/138	733/32/129	939/30/137
K0RF	19/10/17	100/21/62	334/31/105	415/38/140	929/37/147	498/32/139

WORLD MULTI-OPERATOR TWO TRANSMITTER

PJ2T	37/7/21	511/18/64	1624/30/109	2762/36/142	4349/38/153	3633/32/139
ZD8Z	4/4/4	163/21/68	386/27/74	1897/36/136	3775/39/165	5059/39/157
CT9L	116/10/49	406/16/73	498/22/91	2364/38/140	2869/38/152	3306/40/157
V26B	171/8/23	488/18/61	748/27/86	2514/32/123	3739/40/155	3464/31/137
ZW5B	3/2/2	26/15/26	200/27/82	1199/38/141	2934/39/164	3794/39/170
RW2F	446/11/61	1082/27/97	1178/34/114	1577/39/157	1918/39/151	1871/39/162

USA MULTI-OPERATOR TWO TRANSMITTER

N3RS	18/7/11	316/21/89	290/31/104	1042/40/164	1954/39/170	1517/34/158
K4JA	45/13/29	351/22/92	532/32/116	1050/38/161	1343/38/154	1459/35/162
K1IG	16/11/22	260/21/85	336/26/98	938/39/155	1301/38/155	1505/34/153
N2NT	40/9/20	359/22/91	286/29/99	963/38/152	1521/36/149	1432/33/152
K1KI	22/7/14	248/20/77	377/30/103	1137/39/154	1312/33/149	1514/33/148
W6KK	16/8/8/0	107/18/35	374/30/86	467/37/145	1712/37/154	1183/33/139

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

IH9P	842/12/73	1867/26/111	2367/33/117	4693/39/164	3931/39/168	4080/39/167
A61AJ	285/10/57	639/25/91	1502/35/120	3643/38/171	3358/38/168	3949/40/177
CQ9K	164/11/54	657/20/84	671/28/102	3983/39/161	4057/39/162	3727/40/161
KH7R	163/10/11	703/27/51	1699/37/97	2966/39/150	3832/38/153	4028/39/122
YV4A	193/10/26	726/20/76	1237/31/102	3056/38/152	3495/37/158	3263/32/136
KC1XX	201/15/39	676/28/109	651/32/121	2042/39/173	2326/39/173	2137/35/169

USA MULTI-OPERATOR MULTI-TRANSMITTER

KC1XX	201/15/39	676/28/109	651/32/121	2042/39/173	2326/39/173	2137/35/169
W3LPL	327/16/38	628/25/101	658/32/118	1760/39/177	2034/39/161	2084/37/165
K9NS	189/15/33	267/26/84	559/33/116	1658/40/173	2149/40/175	2119/35/170
N4TO	116/10/25	239/24/82	537/31/122	1731/39/166	1798/39/164	1808/35/166
N2RM	39/12/23	535/26/100	471/29/106	1276/39/160	1726/38/159	1690/33/155
W4MYA	100/14/26	423/23/95	333/31/111	875/37/148	1451/39/151	1693/36/163

place went to the fine team at 8P8P. They certainly did well from a 2-point area.

In Europe top honors went to the team from TM5C. Second place went to the team operating from a mountaintop near Bologna, IQ4A. Third place went to OK5W.

Shiro, JF6DEA, as XUTACD on the air.



Number one World Multi-Single was HC8A. Shown left to right: XE1KK, N5KO, and W6NL. Not pictured is the fourth member of the team, K6BL.



Operating from George Island, Florida, the top position in the U.S. went to N4PN. A great job, guys! Second place went to K8AZ located just east of Cleveland, Ohio, and third went to N0NI. Tony's team did a world-class effort from Iowa. The top scorer from the west was W7VJ.

Continental leaders were 8P8P (NA), EA8ZS (AF), P3A (AS), TM5C (EU), KH0AA (OC), and HC8A (SA). A new Oceania record was set by KH0AA.

Multi-Two

The new Multi-Two category drew interest from all over the world. What a great way to have fun and get new contesters involved. Why not try it in the 2003 contest? Just a tribander and dipoles on 15, 40, and 80 can make it happen.

Jumping into the deep end of the QSO pool and coming up number one was the crew at PJ2T. Operating just east of the Coral Cliff Hotel on Curacao, all their hard work to create a FB contest station paid off big time. Second place went to ZD8Z operating from Ascension Island. This team handed out a lot of double multipliers. Another African station working lots of stations was CT9L, who finished third in the world.

In the U.S. Sig, N3RS, assembled a great team to try out the new category. They took top honors. Second place went to the fine station of K4JA located in northeastern Virginia. Third place went to KI1G. The top West Coast station was W6KK.

The European top scorer was RW2F. Leaving Multi-Multi to flex their muscles in the Multi-Two category really paid off for this fine group of operators. Second place went to the IR4T team. Operating from a water tower in central Italy provided a sure ground and lots of contacts. Third place went to the team at 9A7A.

Continental leaders were V26B (NA), ZD8Z (AF), RK9CWW (AS), RW2F (EU), AH2R (OC), and PJ2T (SA).

Multi-Multi

Wearing yellow team shirts at the Dayton Hamvention® this past May, the IH9P boys celebrated their well-deserved world-high victory. Traveling to Pantellela Island from Sicily with all your gear in tow is hard

EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
GD6IA	173\645	280\1159	195\1568	749\29105	1153\32113	1911\31125
GM7V	108\642	484\1369	504\2078	858\34111	1042\37121	1153\31120
SN7Q	173\544	288\1258	392\2676	577\2478	1611\35108	1093\36111
GW4BLE	54\533	443\1668	499\1975	440\2687	851\30102	1547\34112
HA8JV	234\754	727\1677	384\2390	831\32108	1564\34115	433\2988
S57DX	149\742	329\1061	371\2381	923\34126	730\33106	1016\36120
EA4KD	39\428	210\1358	457\2077	1001\31117	1007\32100	1060\30112
EA3NY	30\422	119\742	314\2068	891\33103	1236\2998	1035\3299
EA5DFV	55\534	147\951	269\1556	655\2683	1141\2591	1410\31104
RM4W	41\828	81\1145	376\2070	865\35115	845\29108	656\33110

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

TM5C	177\1060	822\2194	594\33110	1421\38159	1189\39153	1952\39166
IQ4A	50\750	251\1780	698\35119	1201\39153	1337\38149	1860\39161
OK5W	52\1051	583\1783	922\33124	999\39157	1596\39159	769\39163
SY8A	215\851	455\1471	468\2394	1650\36127	1535\35123	2674\36138
9A1P	114\650	318\1375	275\2496	1290\38151	1210\37144	1968\38157
HG1S	165\849	417\1470	704\29109	892\38152	1169\39146	1568\39163

EUROPE MULTI-OPERATOR TWO TRANSMITTER

RW2F	446\1161	1082\2797	1178\34114	1577\39157	1918\39151	1871\39162
IR4T	239\1061	675\1985	981\33121	1192\39154	2015\37149	1947\38159
9A7A	382\1057	989\1981	1044\31114	1377\37143	1888\37147	2081\39154
RU1A	216\850	674\2694	1205\35124	1961\39162	2067\38153	1561\38164
TM2Y	186\1056	838\1881	1149\33108	1731\38155	1912\38145	1556\35146
MU0C	388\957	864\1475	917\2596	2065\37141	1800\34136	1985\34146

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

DF0HQ	709\1069	1461\24103	1978\34121	1704\39156	2011\39160	1819\39168
OT2A	812\1059	1234\1686	1836\33114	1850\39152	1863\38153	2149\39164
TK4Z	227\650	794\1170	1976\2392	3455\34144	2445\33121	2358\31112
GM5A	459\1161	873\1274	1369\2497	1681\39146	1558\37144	1366\31131
ED7VG	806\29	576\1978	1126\2797	2298\29109	2318\30118	1620\28106
HB0/HB9AON	474\961	1202\1482	1236\2498	2083\33138	1198\34122	909\29112

enough, but then setting it all up and tearing it down within a week really is *work*. Second place went to the fine crew who put A61AJ into many logs. Ali's world-class station is a beacon on many bands, and his operating crews are always very international. Third world high went to CQ9K.

The team of Rhein-Ruhr DX Association and CT3 operators made being able to work zone 33 a certainty. Team Quad, DF0HQ, took the opportunity to talk their way to the top of the European Multi-Multi list. Second place went to OT2A. Both stations had to survive the vicious gales that blew through central zone 14. Third place went to TK4Z. Made up of TK, U.S., and F operators, their signal made a lot of country hunters happy.

Here in the U.S. there was a real battle. After all was finished, KC1XX took top honors. In second place was Frank, W3LPL's crew located in central Maryland. Special mention goes to third-place K9NS for an outstanding job from "not the East Coast."

The first Chinese DXpedition in the Multi-Multi category was initiated by XX9C! Congratulations to all the fine BY and XX ops for your effort! Another fine job was done way out in the Pacific by ZK1MA. Zone 2 was on big time with VC2C.

Continental leaders were KC1XX (NA), IH9P (AF), A61AJ (AS), DF0HQ (EU), KH7R (OC), and YV4A (SA).

Teams

Team contesting is a blast. Get together with five of your friends from anywhere in the world, get on the air in the contest, and submit a team list. That's all there is to it. This year 14 teams submitted scores. The top team was the Friendship Worldwide Team (CN2R, D4B, D44TD, P40W, PT0F) with a score of 56,455,465. Check out the ops for all the teams in the score listings. Second place was the Bavarian Lederhosen (DH1TW, DL0WW, DL4NAC, DL6FBL, JY9QJ) with 22,514,353. Third place went to WYYC Team A (UT7L, LX7I, NR3X, G0MTN, ON4CCP) 7,568,344. The rest of the teams in score order were: CCF PileUp (LY2CY, OH2LU, OH2RA, OH6NIO) 5,424,726; Minnesota Wireless Assn. (AC0W, KO0B, K0TO, KH6/NOHJZ, KH6/WA2HFI) 4,571,027; CCF High Energy (LY7Z, OH6OS) 3,500,052; CCF Post Teens (OH2BH,



EA8ZS, Multi-Single from the Canary Islands. Left to right: front row, OH2MM, OH2JTE, OH2BH, OH0XX; back row, OH2TA, OH2PM, OH1MA, EA8ZS, OH1RY. (Not pictured, EA4DX)

OH5B, OH8L, OH2BP) 1,840,394; CCF Team Gimme Ten (OH0XZ, OH1LEG, PJ4/OH1VR) 1,768,592; CCF Sweet Fifteen (OH0V, OH1F) 1,367,498; WYYC Team B (M2Z, HA3LN, DL7FER) 475,779; TA2BK is on the air Team 3 (TA3D, TA2GS, TA2LJ, TA1EM, TA1EQ) 351,468; TA2BK is on the air Team 2 (TA3J, TA1ED, TA1DX, TA1E/0) 332,242; TA2BK is on the air Team 1 (TA3YJ, TA1BM, TA3AK, TA2IB, TA1EJ) 273,641; and Mediterraneo DX Team (I28CCW, I28BGY) 129,090.

Special Mention

Turkey produced a wonderful turnout in the contest. There were 24 entries! Congratulations to our friends in Turkey on their organized effort to enter the CQ WW and honor the memory of Bahri, TA2BK. Another country with greatly increased activity was India, with over 25 different calls in the database.

Every year hundreds of contesters head out on DXpeditions to have fun and make the contest more interesting for all of us. This year some of the travelers were V31BD, ZF2NT, ZF2AH, T18/W5AA, J37LR, 6Y9X, 6Y5/ N7CQQ, TO5A, KP3Z, V47KP, FS/AH8DX, KP2A, KP2/K2SGH, IG9A, IG9V, TY0T, TY3M, D44TD, SU9US, ET3AA, 9G5MD, CN2R, 5N0NHD, 6W/F6HLC, ZS6Z, 3V8BB, 9S1X, XU7ACD, BY1DX, BD8TG, Y19OM, A45WD, 4U1VIC, OH0XZ, OH0V, TA1E/0, TA1/ DL4ZBC, GD6IA, ER0ND, JW5E, T88EA, 9M6A, V63B, KH6/N0HJZ, KH6/WA2HFI, T2DX, R1ANZ, P40A, P40W, CE0Z, PJ4/OH1VR, PT0F, R1ANF, 9Y4TBG, 9Y4/NG5E, C6A/VA3SWG, TT8ZZ, J79UF, SM0/G4VGO, D4B, 4X/NP3D, BW3/UA3VCS, OH0MPO, OT2T, G15W, KH6/K1ER, P40P, 8P8P, VP9I, HQ3J, VP2MPA, VP5B, VP5DX, EA8ZS, CT9Z, P3A, J49Z, LX7DX, KH0AA, R1ANC, HC8A, V26B, C6ARB, 8P6K, VE2/KD3RF, T18/K4QFF, HI9X, V47NS, ZD8Z, NP2B, CT9L, 8N10GA, OH0Z, MU0C, MD4K, MJ/DL1EK, LX5A, ZL7C, AH2R, ZK1CG, PJ2T, VP2E, ZW5B, VC2C, TI5N, J3A, VP5T, IH9P, CQ9K, XX9C, A61AJ, TK4Z, HB0/ HB9AON, IS0A, KH7R, ZK1MA, PJ7/K7ZUM, WP2Z, and VQ9X.

We all hope for more contest participation in the future. All the operators at RK9SWP were 15 years old! It's great to see so many young contesters. In another interesting piece of data, Dick, N6AA, by operating from TK4Z in zone 15, completed a *unique* WAZ. His quest to operate from all 40 zones in the CQ WW is finished! Not far behind is Phil, N6ZZ, who just needs three more.

Please check out the battles that took place in the 5, 7, 8, 9, and 0 call areas in the U.S. Very close efforts were also seen in the Multi-Single category in England, The Netherlands, Sweden, Yugoslavia, and Turks and Caicos.

Records

The following stations set new records. Congratulations on your fine efforts.

World: D44TD (LA), TA3J (L1.8), P40P (AA), PJ2T (M2)
North America: KP3Z (A), KP4KE (Q21), V26B (M2)
Africa: D44TD (LA), D4B (AA), EA8ZS (MS), ZD8Z (M2)

(Continued on page 102)



KB9KEG contesting at 1 AM local time.

Asia: 4X/NP3D (A3.7), RK9CWW (M2), A61AJ (MM)
 Europe: HA8BE (L1.8), GI5W (AA), RW2F (M2)
 Oceania: ZL3GA (A28), KH0AA (MS), AH2R (M2)
 South America: PJ4/OH1VR (L28), LU4HMF (Q14), LU3DR (Q21), P40P (AA), PY2WC (A14), L21I (A21), PJ2T (M2)

Comments

The number of logs received for the SSB contest was the second highest number in 55 years! There were over 4100 logs representing 3.6 million log entries and 234 countries. It doesn't take too much gray matter to realize that if you want to have fun, work new countries, and meet thousands of contesters on the air, the place to be is the CQ WW. The CQ WW Contest Committee wants to thank you, the valued entrants, for submitting your SSB logs via the internet and in Cabrillo format. All SSB logs were in electronic format! The contest is made much better by your submission, no matter how small.

The Cabrillo format is provided by all the popular contesting programs. Now that CT is available free on the internet, even more people will find it easy to submit their logs in Cabrillo format. Remember to send your SSB log to: cssb@cqww.com. You will receive a response from our robot telling you that all is okay or an error message that will guide you to make the required corrections. The messages are in many languages and DX members of the CQ WW Contest Committee stand ready to assist with any questions. You can also submit photos via the internet. How to do it can be found at www.cqww.com. We will post all the received photos on that site.

Packet is available as a tool in all the Multi categories and the Assisted category. It is **not** available as a tool in any other category. The **only** Single Operator category that allows packet or **any** spotting assistance is the Assisted category. There are two general misuses of packet. The first is self-spotting. This misuse applies to **any** category, including Assisted. You cannot use any means to solicit QSOs on the packet/the internet. The rules are clear on this subject. The second is using any DX spotting means (i.e., packet) to find QSOs. This is okay for all the Multi and Assisted

categories. The misuse occurs when an entrant does **not** claim packet but **uses** packet. There can be several reasons for mistakenly not claiming packet: You forgot to claim the correct category; you just submitted your log without worrying; you were not familiar with the rules.

Over the last several years the CQ WW Contest Committee has developed software that allows the detection of packet use. Thanks to the cooperation of all the major packet services, we were able to create a massive file of all packet call-outs during the CQ WW SSB test. This year we checked all 4100 SSB logs against this packet file. The results are very heartening. Only 12 logs were reclassified. Since the CQ WW is the first contest to analyze logs in this manner, we have had to develop some ways to deal with packet misuse. The first step is a letter of inquiry asking the entrant if he used packet and forgot to indicate the proper category in the summary information. This usually solves the problem, being that most misclassifications are human errors of omission. After a second year of not claiming the use of packet, a warning letter is sent. Thereafter, the entrant's log will become a checklog. First and second violations lead to proper classification as Assisted. Third violations cause the logs to become checklogs. It is easy to avoid any problems: Claim the category you actually entered. It is that simple.

Thanks

Thanks to all the CQ WW Contest Committee members who validated the winners and provided insight into many contesting topics. The 2002 crew included K1DG, K3WW, K3ZO, KR2Q, N2AA, N2NC, N3ED, N6ZZ, N9RV, W0UN, W3ZZ, K1AR, KM3T, KT3Y, N5TJ, N5NJ, K6NA, and N8BJQ. Our DX advisors, who were very helpful in offering advice, providing information, and sorting out potential problems, were CT1BOH, DL6RAI, DJ6QT, EA3DU, F6BEE, G3SXW, I2UIY, E21EIC, JE1CKA, OH2KI, OH2MM, OK2FD, PY5EG, S50A, UA9BA, VA7RR, VE3EJ, and RA3AUA.

A special thanks to Dick, N6AA, who once again spent countless hours to make the CQ WW database the best in contesting. Phil, N6ZZ, spent many hours helping N6AA to make sure the database was as clean as possible. The CQ WW uses the software developed by Tree, N6TR, to create the database. This year John, K2MM, has moved on to other pursuits. The CQ WW Contest Committee wishes to thank him for his invaluable assistance over many years. The Cabrillo robot was designed and/or managed by N5KO, N6TR, and N6TW. Entrant Cabrillo compliance help was provided by N6TW and N5KO with the assistance of most of the committee listed above. The WT4I software provided invaluable assistance with specialized log checking.

Translations of the rules/Cabrillo robot responses into Spanish (EA3DU), Japanese (JE1CKA), German (DL6RAI), Slovenian (S50A), Serbian (S50A), Russian (UA9BA), Finnish (OH2KI), Turkish (TA3J), and French (F6BEE) made life a little easier for non-English-speaking contesters. Larry, N6TW, was invaluable in retrieving and processing data from e-mail submissions. Thanks to John, K1AR, for his advice and hard work to make the CQ WW so successful.

Congratulations to all the winners! Try to get a fellow contesteer on for a local, friendly com-

petition. To operate, participate, and have fun is what contesting is all about!

73 and CU in the 2003 contest. . .

Bob, K3EST

DX QRM

The aurora cut me off from the world for a while. However, an improvement was noticeable from around 7Z when 40 gave me some North American stations. . . . **7S2E**. Four new contesters were initiated during this contest. Special thanks to Harriet, 8P6GI's XYL, who kept us watered and fed all weekend. . . . **8P2K**. Enjoyed hearing "thanks for the double mult" many times. Still had fun as always. . . . **9M6A**. I tried QRP section for a first time. I always thought there is no way that I could make any contact with a simple antenna. I have used FT817 (5 watts) and R7000 vertical. I admire fellows making K QSOs using this mode. Next year probably as VK6DXI. . . . **9V1XE**. First HF contest. Absolutely fabulous to be swimming in so many DX contacts around the clock from all over the globe! Got 22 new countries, including A61AJ with 100W IC-706 MK-II to a Hustler mobile antenna on an Alpha Delta outreach outpost tripod! . . . **AH6RH**. The flu did not stop me from enjoying the contest. . . . **BD8TG**. Great ears at HC8A, 9S1X, and FS/AH8DX. . . . **CE4U**. Aurora, aurora would you please come out to play when it is not a contest weekend! . . . **CK6SV**. We all had a fantastic weekend and learned a lot! . . . **CS6RPA**. That's my first try from my new contest stn in D4. Thanks to EY8MM, EY8CQ, who helped me to build this station. . . . **D4B (4L5A)**. Boy what a contest! We had a storm warning in Germany and had winds up to 120 mph (180 km/h)! Never mind the score, it was fun! . . . **DF7ZS**. A heavy storm bent the Gap Titan over the beam. Subsequently the beam could be turned from 120 deg to 240 deg only. Anyhow, a lot of fun. . . . **DL8AAE**. More than 20 hours over 100 QSO/h in monoband. . . . **EA3QP**. Operated from a hill-top location, 948m high and 15km from the Mediterranean coast. I had to work a whole lot harder this year to get a similar score to last. Worked 8N1OGA for #261 from the mobile. Loved it! . . . **E4SON**. We remembered all the other contesters when we were having dinner on Saturday afternoon eating a special typical meal by EA2MQ. Our special thanks to EA2ANW and his wife who lent us the place for the antenna. . . . **ED2WWW**. Our first CQ WW DX Contest. We enjoyed the party very much. Thanks to everybody who made a contact with us. . . . **EW8ZZ**.

Best effort from zone 8 with an all-band Butternut vertical. . . . **FS/AH8DX**. After an hour without electricity I decided to move station to a nearby house where there was still power. Got back on the air by 10:00 with a vertical antenna but made a total of only 5 Qs when the power went off there too. . . . **G0AEV**. My first contest and had a fantastic time and plan to indulge further in contesting. . . . **G0VXE**. For a QRP station max 5 watts o/p with simple aerials together with an age handicap of 80 years! I still found it a challenging and rewarding contest. . . . **G3FNM**. High winds were forecast and we had a 76 mph gust, then the power went off. Power was restored two hours later. Some parts of the country had no power for six days. . . . **G4BUO**. Much better propagation than from my home QTH in N. Scotland. As usual, the best SSB contest of the year! . . . **G6DIA**. Running barefoot as amp was broken. Beam swinging wildly in force 8 gales. . . . **GJ0NYG**. Our first multi-multi effort as a group and great fun was had by all! It was generally agreed that our report card should read "a good effort but could do better." Roll on next year! . . . **GM5A**. My first SOAB from home in this event. It will be very hard to consider a single band entry ever again! . . . **GM7V**. Weather forecast was for severe gales so I lowered tower to 25 ft. before dark on Saturday. Hitting 73 soon, so bit tired! Five hours of power cuts and tree blown down—exciting, eh? . . . **GW3JXN**. The southern UK was hit by storm-force winds reaching 100 mph in parts. Here I use a crank-up tower, so was fortunate to be able to lower it during late Saturday evening before the storm reached us. . . . **GW4BLE**.

It was really fun. . . . **HL0CAC**. First contest from SE Asia. A big difference from other countries I have operated from (TJ1AW, T5CT, SV0CT, G5BAU, G55BAU, K4PHY/YV5. A lot of fun as always! . . . **HS0ZDR**. Beautiful way to experience wonderful teamwork. We've just landed on contest planet. . . . **I3GWE**. The Field Day location on Lampedusa Island doesn't permit rest because you always have to work before and after the contest for building and dismantling all antennas. . . . **IG9A**. First effort from a 3-point land (IG9). A lot of work to do since it was a real DXpedition. Nothing was there when we arrived and nothing was up Monday after the contest. . . . **IG9V**. First attempt to build a M/S contest station in Sicily. It will be a school for new contesters. Thanks to Fabio, IT9GSF, for his help. . . . **IR9U**. A great contest. We want to thank Manos, SV9ALJ, and all the OMs in Crete for their great help and hospitality. . . . **J49Z**. Enjoyed Multi-Two category. More efficient than multi-multi, hi. . . . **JA6ZPR**. I QRV on 80m single band. Japanese 75m phone band is

very narrow, so I could not call CQ because of many Japanese station's QRM. I desire many USA stations to call CQ outside of JA band and QSX JA band. . . . **JE1SPY**. I used only hand-made wire antennas. However, the conditions were not good compared to this year. I enjoyed a lot in high bands. . . . **JP3KQA/1**. This is my first contest. . . . **JT1CN**. Eight of us came together to share the weekend with KL7Y for his last contest of this world, in a place that he loved to be. None of us, nor our sport, will ever be the same without him. Vaya con dios, Danno. . . . **KH7R (KH6ND)**. Our goal was to improve over last year, but soon realized it would be very difficult because of aurora the first day. Anyway, great fun with lots of excellent operators. . . . **LA2Z**. It was nice to kick LY9A's ass! . . . **LY7Z**. My first attempt and great fun. I was delighted to find such a high standard of operating. . . . **M0AFZ**. First time entry in this contest. . . . **M0DDT**. Even with just 100W, the antenna damaged (my signals must have been down by about 10-15 dB), and no way to turn it, I managed to work a surprising amount of good DX. Monday morning was glorious. I took from 7 AM to 2 PM to tear down the station in a post-contest euphoric afterglow state of mind. . . . **M4R**. Heavy storm with more than 90 miles/hr! We had to repair all antennas over and over. On the way back home a truck crashed into the trailer and now I need a new car, a new trailer, and a new contest station. Anyway, a great weekend. . . . **MJ/DL1EK**. Fun ended Sunday morning when the antenna was blown down. You have to be mad to do SOSB on 40m! . . . **MW5HOC**. Good time, our plan, work very fine. The new antennas in OA4O work excellent. . . . **OA4O**. Finally we are on the air again. . . . **OE2S**. Thanks to Multi-2 we had fun on the second station. The low bands have been great! . . . **OEST**.

One highlight of the contest was when I heard one Italian operator (I cannot remember the call) on 40m calling his version of CQ by singing it in a funny way. Yes, he really was singing! . . . **OH6NIO**. Big surprise was 21 (!!) VU stations. . . . **OK1RI**. Started on 15m, but I lost my 15m quad the second morning in the biggest storm in the last decade. Had to limit my effort to 20m single band. . . . **ON4APU**. Loved every minute of this great contest. Super FB conditions on 15m on Sunday. . . . **ON6CQ**. Contesting is fun! . . . **OT2H**. Funny thing, Sunday at 1154 UTC W2AX logged me as OZ8AE and asked for another OZ station. This was OZ8EA, but we could confirm that it was okay—hi. . . . **OZ8AE**. When I set up my station my transceiver didn't work. I had to borrow a non-contest radio from a local, to whom I am very grateful. Murphy still wasn't finished. During a band peak I had a rare power failure, causing many missed QSOs. My second week in Aruba went well and I got married there. I was saddened to hear that this was KL7Y's last contest. He will be missed. . . . **P40A**. Very good conditions. 10 m on Saturday wide open. Worked USA on 80 and 40 m (split frequency) for the first time in my ham life! (27 years). . . . **PA0LSK**. Wind speed most times higher than QSO rate. The rain passed only horizontal. . . . **PA7MM**. Great band conditions but awful weather conditions with winds reaching 140 km in the Hague! Another good reason to stay indoors and play radio! . . . **PA9ZZ**. The best of the best contests. . . . **PY3MM**. Two auroras during contest. It's too much for good result. . . . **RU1A**. We are all 15 years old. . . . **RZ9SWP**. This time I tried to operate on 40 meters and it was tough! I had been warned by Carlos, SM5KCO (ex-SM0KCO a.s.a. CX7CO), but I needed some new countries for the 5B DXCC. I have *sissu*, due to Finnish origin. . . . **SM5C (SM5SIC)**. Another nice contest. When finished I felt it worth the effort. . . . **SV1DKR**. Next year more countries/zones/contacts than this year. . . . **TA1BM**. Having visible northern lights three nights in a row doesn't help the conditions. Nice to get so many thanks from many str. just for being on the air. . . . **TF3IRA**.

Wow, good conditions. DXCC will be okay just after 7 hours run and multi operation on 15 m. . . . **TM7XX**. Conditions were not so good (especially on 10m) as last year. My first CQ WW phone was in the year 1956 as UA1KBB. . . . **U1BA**. I worked this contest on the E-H antenna (two cylinders, 50 mm diameter, and 150 mm length plus matching box near the transceiver). Has anybody done it before? Sorry, but had no more than 18 hours for the contest. . . . **UT4EK**. The KD3TB and KD3RF team joined by K3FMQ this year ran a Field Day type operation from a motel room in rural Canada bringing up all antennas, radios, and equipment by car. . . . **VE2/KD3RF**. On 80m it was a thrill to hear VK6LKG long path and JF11ST, both with good signals. A delight to work them. . . . **VE2ZP**. Some said, "You are mobile! Just unbelievable." . . . **VE3EDY**. CQ WW contests are loads of fun. You never know who is going to call you! . . . **VE3JAQ**. Nice to hear old friends I have met in over 50 years of contesting. Hope to be back again next year health permitting. . . . **VE4IM**. We were quite satisfied with our results, and as always, tons of fun, jokes, beer, and operating time. . . . **VE5RI**. We like the M2 category. Joseph, VE6PYJ, at 16 enjoyed the runs on 10 meters. He is becoming a steady operator. . . . **VE6FI**. Great fun with the new M2 class. We vote

for it for next year! . . . **VK1JDX**. Really enjoyed breaking the Low Power record in VK. Sunday was very poor with very bad propagation. Saturday morning was fantastic. . . . **VK3TZ**. QRPp is a great challenge but frustrating at times. I was happy with my results. Thanks for the event. . . . **VK3VP**. Thank you for another great contest. Local storms provided a challenge for me. It unfortunately closed me down when propagation was good at times, but I would never miss the CQ WW. . . . **VK4EJ**.

First time we participated in this contest from a DX site. Enjoyed it a lot. Never expected that the pile-ups were so big during the total 48 hours. . . . **VP2MPA**. My first attempt in CQ WW. . . . **VU2SWS**. Enjoyed the contest, poor band conditions, TRX homemade. . . . **VU3DJQ**. Very poor propagation; every contact was "worked"! . . . **VY1JA**. Bands were not in good shape for this contest. I called and called and could not get anything going. Don't forget we are here. Point those beams north. I had fun anyway. . . . **VY1MB**. Goal: make 100 countries and 300 QSOs—did 500! Good conditions and happy to be multiplier to so many. Saludos from Puerto Rico. . . . **WP3GW**. Highlight: calls from EA6DD, IH9P, A45XR, etc. Lowlight: the rotator didn't work, sore throat, and no QSO with zone 26! . . . **XU7ACD**. My transceiver is Yaesu-920. Max power in the contest is 100W. My antenna is R5 about 20m high above the ground. . . . **XX9AU**. The best run of WW SSB Contest of my lifetime! . . . **YB2LAB**. My first CQ WW DX Contest, and yes, done with a barefoot FT-920 (100W) and a vertical antenna. . . . **YO5CRQ**. On Saturday was called at work for 4 hours; on Sunday few hours without electricity. Also was forced to QRT when my 6-month-old son was sleeping. My 6-year-old daughter forced me few hours to walk together in the park. My wife asked me for a lunch in the restaurant. Nobody copied my call sign at first call. On the end only 768 QSOs in my log. . . . **ZAJ35M**. ZK1JD's first contest. Let him close the contest. Did anyone get the suffix for 8P8P or 9A9A (hi hi). . . . **ZK1CG**. Many thanks to the people of the Tauhunu village who helped make this a great success for Western Washington DX Club. . . . **ZK1MA**. The new Multi-2 category is a lot more fun than Multi-Single! . . . **ZL6QH**. My first CQ WW DX phone contest! . . . **ZS4MS**.

USA QRM

We greatly enjoyed the new Multi-2 category. Thanks CQ! . . . **AA5NT**. Our first Multi-2 in any contest. I really like the category. . . . **K0TV1**. My first contest since upgrade to General. My dad, K1RC, talked me into it. Now I'm hooked on contesting. . . . **K1CGJ**. My first CQ WW. . . . **K2EL**. All QSOs S&P. Ten meters were excellent both days with new multipliers flowing in til the end of the contest. . . . **K2FU**. Worked two new countries. A big thanks to the people who travel to foreign countries to give us low power guys a chance to work more DX! . . . **K2HT/B**. After 35 years of paper/pencil contesting, this was the first time I used computer logging. It's great! . . . **K2MFY**. The best part of the contest? Meeting so many good friends on the air. A special thanks to Gene, N2AA, at A61AJ for taking the time from the pile-up to chat for a few minutes. I wish I could have been there again with all of you. Maybe in 2003! . . . **K2RED**. Wow! . . . **K4BEV**. Spent some time listening to FS/AH8DX running them—truly amazing. . . . **K4FK (W4SAA)**. First contest. Enjoyed working all the DX stations that I did. . . . **K4JHK**. It doesn't get much better than this! I enjoyed every minute and many thanks to everyone who made a contact with me! . . . **K4WI**. I enjoy all the good contest operators and try to give out a few points. . . . **K4XG**. First contest. Enjoyed my limited operating time. I'll do it again! . . . **K5JFG**. Operated with 100 watts to an MFJ-1786 loop antenna disguised as a TV antenna. . . . **K6ACZ**. Greatest contest, first time entry. TNX. . . . **K6CA**. Our first multi-op attempt; wait til next year! Great camaraderie with like-minded contesters. . . . **K7ZSD**. I am convinced, no radio waves below 7 MHz reach this area of the planet. . . . **K8FC/B**. Great contest, great conditions! This one was loads of fun! . . . **K8FK/4**. All was going well until the elk took down my 75 and 160m inverted-Vees early Saturday evening! . . . **K9MWW/B**. Thanks to those good ears that can hear 50 watts into a dipole in the garage. . . . **K9OSH**.

First time as Multi-2. Lots of fun mixed with a little stray RF. Worked several new countries. . . . **KA6BIM**. My first CQ WW contest. I have a few new countries in my collection now. . . . **KB1GHC**. First HF contest. . . . **KB3FCFS**. Surprised by all the activity on the bands. Got a few new countries and met a few old friends; that is what ham radio is about. . . . **KB9KEG**. CQ WW is still the best contest in the whole wide world. . . . **KC1XX**. Great condx on 10m! Stations from 28.3 to 29.0! . . . **KC6X**. First serious attempt at a contest; had lots of fun! . . . **KC8RAN**. First QSOs ever on 40 meters. I like this band. My first CQ WW contest. . . . **KD7IIC**. A lot of fun running the contest with my sons. We had a blast! . . . **KD9ST**. The CQ WW—always a thrill to compete! All contacts S&P. . . . **KF8K**. I love this contest. . . . **KG6NDO**. Many thanks to all who dug me and my 40m dipole out of the mud. . . . **KG8ZD**. Lots of

fun after an almost ten year absence! . . . **KK4RV**. Great time with the new 3-element Fluid Motion Steppir antenna. The ability to change the direction of the beam 180 degrees almost instantly or to use it in bi-directional mode from here in Florida a great plus. . . . **KK4TA**. All who participated had a blast. Our first contest at our new club house, also first contest as KK5K. . . . **KK5K**. Try QRP for some real fun! . . . **KQ4YY**. Say, can we get astronauts to participate in this contest? Since my signals were going through the holes in the ionosphere and not received by many stations here on Earth, they could have been copied in deep space! . . . **KS7T**. Mediocre conditions, great DX participation, fantastic fun. . . . **KT1V**. It would be real nice to see a "triband only" category. . . . **N1API**. I hope everyone had as much fun as I did. I am already looking forward to doing it again next year! . . . **N1BCL**. Although conditions down from last year, my score was up 10% due to all the activity. Thanks, guys. . . . **N1DG**. My personal best operating this contest Single Op Assisted even though I participated on the high bands only. One of the most fun CQ WW contests I have operated save when operating as a multi-op station! . . . **N1MD**.

First CQ WW and only worked 40m. What a zoo! Lots of big guns, but timing is everything. Pretty happy with results. . . . **N2KX**. My first "big" effort in CQ WW. I put up a multi-band dipole which helped a lot. I am already planning antenna changes for next year! . . . **N3GNW**. Had a great time in our first ever Multi-2 effort. Conditions were spotty at times, but we kept the stations manned full-time and gutted out some slow hours. It was great having Walt with us once again. . . . **N3RS**. The declining conditions caused my score to go up this year. I had no choice but to S&P. I had 54 more band countries and 20 more band zones using the same station and the same amount of operating time. . . . **N4TZ9**. Not many replies to my low power CQs but TT8ZZ made them worthwhile! . . . **N5AW**. Great band conditions on 10m! Tuning VFO entire contest. Thanks to Bob, NX5M, for use of his impressive station. . . . **N5XJ**. Conditions were strange due to the solar activity. Europeans on 15m had very heavy auroral sound and we W6's could only work some Europeans on 10m sidescatter. Lots of fun, thanks to good JA operators. . . . **N6BV**. Fun all around and yes West Virginia is in zone 5. . . . **N8EMS**. Very challenging contest with only 5W using an FT-817. . . . **N8VGY**. With a little help from Lou Gehrig's spirit I was able to see this one through. While certainly not in contention, I was at least in the race. I can't help but wonder how many other physically challenged contesters are out there? . . . **N9LCR**. Had a blast! Only had a few hours to operate, but even with my little station I managed to work 69 countries and 24 zones! . . . **N9RLA**. First shakedown for all bands for this station. The supply of multipliers was endless. Have to operate for a week to try to get them all. . . . **N9RV**. First time ever using more than 100 watts. I think I like it! . . . **N9SE**. I'm a new ham and this was my first contest. Wonderful! . . . **NE1RD**. All ops seemed to be much more courteous this year. Most actually waited when specific call requests were made in a pile-up. . . . **NE4S**. Not only my first contest after a 10-year absence, but an all-time personal best! . . . **NG1J**. The whole event was a lot of fun from the very first contact to the last one just before time ran out. . . . **NK7C**.

Many thanks to many operator efforts to get my unusual prefix correct. . . . **NZ3O**. Wow, lots of activity! Great fun! . . . **W0RSR**. CQ WW is still the greatest! . . . **W1ZK**. Worked three all-time new countries—N. Cook Is., Congo, and Niger—so I'm happy! . . . **W2VU**. Our first effort at KG4NEP. We built a five tower station in six weeks. To re-use an old phrase by Roger Burt, N4ZC, this place is a champagne station on a beer budget (really cheap beer). Storage shed turned into a three-position M/S operating shack. Sure had fun! . . . **W4WS**. Thanks to the committee for the new category. It was a real blast. . . . **W6KK**. Terrific propagation! Ten meters was fantastic for the entire contest. I missed the West Coast-to-Europe opening Saturday morning and still managed to work 24 zones on 10m running 5W QRP. When the solar conditions are alive and well, there are no meters like 10 meters! . . . **W6RCL**. Wow! What a hoot! . . . **W7GTM**. Working Western Sahara, Senegal, the Galapagos Islands, and Guam was exciting, but the big thrill was Hawaii on 40 meters. . . . **W8KNO**. Conditions seemed to improve as contest went on. Sunday 10m was good. Unfortunately I was on 15! . . . **W9RE**. Was my first entry in a contest. I never thought that QRP could be so tough, but I enjoyed it. . . . **W9RPM**. Beam stuck on NE all weekend. Anyone in Asia Pacific who heard me has good ears. . . . **WA5SOG**. My most favorite contest, even though I don't get to spend as much time as I like in front of the radio. . . . **WB3CJU**. 44 unique countries worked. Insulated wire stealth antenna up 40 feet in heavy foliage trees next to I-75 in downtown Atlanta industrial area. . . . **WB6BWZ/4**. Our club's first CQ WW DX Contest. We had a blast! . . . **WC8VOA**. Glad to see so many stations listening up on 40. Will be nice when broadcast stations go away in few years. . . . **WQ2M**. My very first participation in a contest and I enjoyed it immensely. Operated on only three bands and for a total of 12 hours. . . . **WR9A**.

Number groups after call letters denote following: Band (A=all), Final Score, Number of QSOs, Zones, and Countries. An asterisk (*) before a call indicates low power. Certificate winners are listed in bold. (All country territory reflects the DXCC list at the time of the contest.)

**ISS RESULTS
SINGLE OPERATOR
NORTH AMERICA**

UNITED STATES

K0ZD/M1	A	7,152,781	3824	158	581
W1RZF		1,550,958	1419	99	339
N5L20		5,280,004	2759	148	534
W1WFE		3,291,504	2248	125	439
K0C1F		2,495,190	1919	104	361
K5MA/1		2,297,312	1574	123	421
N1DD		1,543,960	1211	112	372
K3NA/1		1,495,932	1312	97	347
K6E1H		1,487,504	1163	106	390
W1ZK		1,474,578	1130	116	382
AK1N		1,350,387	1150	112	335
W1OP		1,254,456	1015	102	354
K1GU		1,169,376	1031	100	316
W1NT		1,026,432	921	95	337
W1KRS		79,076	706	87	215
K6IE		754,450	783	93	289
N1BL		673,365	724	95	276
N7NG/1		568,170	624	81	273
W1MK		553,219	644	91	268
N01K		509,120	544	91	253
K1BD		499,226	551	89	249
K1NOK		403,641	607	74	237
W1RWB		341,334	520	73	221
N1JW		318,936	431	77	214
K1ZZ		287,812	392	71	195
K1VJ		243,840	390	62	178
K4A1VMG		126,684	272	55	149
N1YA		120,015	261	59	130
N1XXU		70,334	196	40	99
K6TD		12,540	84	14	43
W1AW	14	1,518	24	4	17
(Op: KH8HU)					
W1AO	7	26,394	124	18	65
K1TV	3.7	144,584	513	21	85
AA1BU		131,712	462	22	90
N1S5V	A	1,815,698	1468	106	380
*W1CTN		1,406,529	1135	116	377
*K1HT		1,221,090	953	106	359
*W1SA		1,219,910	1045	97	333
*W1KT		1,212,848	939	110	366
*W1TE		1,146,688	910	94	340
*W1AZ		869,616	830	94	302
*N1LW		743,870	737	84	281
*N3KC/1		686,511	722	83	274
*K0X1X		623,040	758	77	243
*W1DAD		599,784	606	93	280
*W1ZS		557,286	657	73	244
*N4XR/1		417,391	540	88	243
*W1EG		417,268	448	72	215
*W1VET		372,408	843	74	280
*N1DC		287,646	446	60	191
*W1JQ		251,760	406	66	174
*N6GJ		184,386	308	62	175
*W1TW		168,226	320	67	166
*K1V5J		143,420	283	63	139
*N1ERD		119,568	267	48	140
*N1HTS		104,130	228	51	127
*AA1UT		98,439	248	42	115
*K1CGJ		81,624	220	42	110
*K1RB		71,995	159	60	127
*K1Y1		71,118	208	40	118
*W1AAD		48,128	159	39	89
*K6LNL		34,465	128	34	79
*W1LZ		33,600	121	28	77
*K61GHC		29,592	114	35	73
*A1E1		27,391	119	33	58
*K1VJ		22,042	117	77	66
*K61GW		13,300	81	25	45
*K1UG		7,684	59	26	42
*N1XC		3,528	58	25	47
*N1V1		1,824	31	12	20
*K1MOM		1,140	20	14	16
*N1JQ		624	17	11	15
*N4OX/1		150	6	6	10
*W1AIR	28	84,222	337	26	88
*K1AZEX		64,964	257	24	85
*W1GOU		29,876	147	15	62
*W1PLK		2,805	47	9	24
*W1EL	21	141,372	380	27	105
*W1AFCN		101,556	308	27	99
*W1W1M		3,920	47	12	28
*K6TV	14	38,315	154	24	73
N2LT	A	2,331,072	1652	116	397
N2MR		1,239,916	1061	95	333
K2FU		956,154	873	104	334
W200		940,386	856	105	333
W2LU		879,060	874	116	339
W2LE		512,928	616	72	240
WB2KLD		508,610	574	94	268
N2GC		486,147	532	80	267
W2UDT		379,115	506	67	218
WB2JHV		314,424	466	72	192
N2SQW		308,550	429	74	201
WR2V		220,834	424	48	170
K2NV		168,237	321	57	144
W2DXA		63,788	189	38	110
N2VM		17,848	94	38	59
WA2BKN		14,664	84	36	58
N2JHN		792	18	15	58
N2KX	21	74,784	238	25	118
K0ZD		18,460	104	17	54
W0ZM	7	79,910	272	28	94
W2V0	1.8	1,736	40	8	20
*WB2ZTH	A	1,286,168	816	133	463
*W2RDS		1,159,434	1006	94	327
*K2CS		937,714	876	104	293
*K2S2		643,808	741	83	288
*K2VM		596,090	722	67	211
*K0ZDTJ		449,232	451	66	223
*N2MUM		305,067	525	50	169
*W2IRT		285,175	421	65	210
*WB200Q		284,986	509	54	172
*W2TZ		242,780	370	61	183
*N2N1		213,106	343	67	187
*K2PH		181,034	343	50	143
*K2TV		143,289	296	43	140
*A2ZTM		137,245	304	44	137
*K8ZM		138,245	304	64	151

*W2WP		121,346	303	43	123
*N2M2J		120,805	287	58	127
*W2AMJ		106,505	247	49	130
*K2YLH		100,367	286	47	120
*N2BZP		76,050	232	46	121
*N2VR		67,832	52	15	41
*K2YVZ		70,119	206	47	112
*K2YSY		66,566	176	50	116
*W2Q0B		38,755	131	31	84
*N2DUB		25,787	94	28	79
*WB2HWI		16,352	109	20	53
*W2PI		16,200	89	25	56
*N2GA		11,748	68	17	49
*N2VU		6,632	52	15	41
*N1LQO		882	20	11	44
*K2EL		247	15	8	11
*K2MFY	28	270,907	599	31	138
*W2DMV		140,589	404	25	102
*N2CUD		95,418	298	23	91
*K2SGZ		70,952	270	21	77
*W3EH/2		11,651	101	16	45
*N21YA		9,672	99	13	49
*K2SZZ		42,952	32	14	47
*W2WC	21	139,320	404	28	107
*W2VU		40,656	172	20	68
*W2CZW		17,085	93	15	52
*K2RED	14	75,936	260	25	87
*K2JEM		75,438	240	30	97
*K2ZS		49,920	192	22	82
*K2X5	7	25,315	126	19	64
*N2XK		21,951	111	19	62
*K2VEH		19,295	98	22	63
*W2MFL	1.8	1,856	65	11	21
K2Z0	A	5,276,637	3098	136	485
W3BR		4,155,347	2506	144	475
K3GCN		3,847,584	2316	138	486
(Op: L24AC)					
K0QV		2,336,796	1627	131	431
N3NS		2,116,780	1412	92	398
N3NS		1,843,327	1378	114	397
(Op: K13PK)					
K3TEJ		1,586,304	1266	107	352
W3XB		1,400,298	1234	92	327
W3AP		1,130,646	1127	92	315
K6B3TS		1,031,211	930	102	337
W3JQ		910,306	902	90	292
K4JLD/3		891,796	817	114	338
N3WJ		893,532	858	87	287
N3WD		736,281	769	89	288
K3NRD		681,876	710	84	288
N3RJ		567,132	726	75	259
N3OR		286,974	395	71	227
W3BYX		245,440	396	56	180
W3KV		197,861	386	62	179
W3AZ		143,166	329	61	153
W3JG		125,512	339	78	143
N3FX		94,392	212	56	115
W3BEN		77,598	199	45	117
W3FOE		37,312	162	29	77
N3EA		33,491	141	33	74
N3HXB	21	549,180	1257	34	128
W2C/3		303,600	790	33	117
W3Y2T	14	144,596	452	31	117
*W3LL	A	524,832	598	60	256
*W3LP		488,400	627	71	225
*K3YV		267,927	422	66	187
*N2US/3		257,136	375	68	146
*N3HCN		138,288	293	55	146
*W3VAV		137,214	238	70	161
*W3CP		136,881	261	67	160
*K3IP		76,440	189	53	115
*N3GB		49,912	164	48	88
*K3DZ		45,012	142	37	82
*K3F4X/3D		43,806	133	46	101
*W3BCJU		34,760	154	30	80
*W3AG		34,320	140	36	84
*N3MX		28,910	113	40	78
*W3JRY		28,250	98	33	80
*N3PNE		27,807	118	29	64
*W3KYY		20,944	107	27	61
*W3ARS		19,928	91	40	66
*K3CE		17,392	67	36	67
*N1VPA/3		10,920	90	15	45
*N3VOP		8,000	68	26	49
*AA0CY/3		3,978	40	8	26
*W3TT		3,978	47	18	33
(Op: N9GG)					
*N3LLR		3,763	47	19	34
*W3DD		3,124	27	20	24
*K3DZ		546	19	10	24
N3LL	28	131,180	347	30	110
*N3LL		40,205	202	19	66
*W1NN/3		32,004	160	17	67
*K3GW		18,564	97	21	57
*K3NK		13,220	47	15	20
*K3B3CS		2,720	43	8	26
*K3SWZ	14	111,244	309	33	104

N4MI		298,530	449	81	198
K4FYM		290,719	449	62	185
K4FK		276,491	398	77	206
(Op: W5ASA)					
W4RK		270,636	535	62	166
K4BP		233,867	398	68	195
N4DJ		255,626	380	72	194
W4KJ		254,000	426	68	182
W4IS		249,577	383	78	199
W7QF/4		241,200	347	77	191
W2ZJ/4		237,084	382	75	201
K4XG		235,755	331	83	196
K07X/4		216,670	345	78	157
N4RP		213,867	398	64	193
W4ATL		211,722	370	50	163
W4NZ		161,766	298	64	142
N4GI		160,488	280	64	152
K6JAT/4		149,947	293	76	141
K4KMG		132,096	295	56	136
W4UFO		114,			

*JA1XRH	*	185,459	331	74	153	JAS0VU	A	4,588,158	3481	131	351	HS0ZDZ	A	116,816	257	73	123	9A6K	*	184,760	993	26	98	G3TVU	*	42,372	332	21	78
*JA1Z1	*	135,828	279	74	124	JAS1P	*	338,528	493	102	196	*HS9EQY	A	8,580	62	22	43	9A8M	*	177,012	1113	23	85	*G4IY	*	843,228	1182	80	317
*JR1MRG	*	134,640	310	60	116	JAS5GS	*	20,757	175	40	71	*HSB4P09	A	8,400	107	32	28	9A1CCY	3.7	114,480	1089	20	88	*G0MTN	A	746,850	1139	77	306
*JA1BPN	*	119,798	247	77	122	JH5FHP	Z1	1,300,065	2650	38	139	*HS0ZDR	Z1	94,750	317	32	93	(Op: 9ASAGL)						*M5FUN	*	319,275	475	64	233
*JA1KK	*	113,928	300	63	125	JAS4APU	*	160,126	541	33	85	*E2ZNTS	7	459	13	7	10	*9A2EU	A	2,531,504	1892	148	549	*G3KPK	*	197,160	492	51	161
*JG3NKP/1	*	113,575	249	60	115	JAS0E	A	129,283	330	59	102	*JASATN	Z1	291,317	217	22	58	*9A3AG	A	1,227,373	1480	186	365	*G4G0Y	*	181,440	516	52	172
*JA1HFU	*	104,880	282	64	117	*JASATN	Z1	38,313	217	22	58	*JASATN	Z1	291,317	217	22	58	*9A4MS	A	572,790	161	12	44	*G4G0G	*	154,077	432	39	167
*JH1FNU	*	102,546	278	50	112	*JF5FGY	A	24,119	118	29	60	*EZ8CW	A	4,998	57	17	25	*9A0R	*	327,120	655	73	209	*M0BZK	*	148,980	426	47	144
*JA1XPV	*	93,312	231	65	97	*JG5VIA	7	1,638	32	13	26	*UK9AA	A	919,975	2156	37	138	*9A2KL	*	234,299	404	80	189	*M5UGC	*	137,280	364	52	156
*JA1RRA	*	61,800	201	43	77	*JAS5PDS	14	1,593	29	11	26	XV9DT	A	598,230	927	90	216	*9A3ST	*	100,975	273	54	121	*M0DDT	*	131,868	379	51	171
*JA1XUY	*	52,934	154	47	86	JAG6CE	A	3,538,112	2945	131	341	XV9TH	Z1	19,929	133	24	49	*9A6C	*	37,700	192	38	92	*G0/N9LYE	*	119,992	409	47	165
*JA1PYP	*	37,996	144	46	72	JAG6AV	Z1	53,045	209	28	75	9M2/G4ZFE	Z1	332,856	1298	33	101	*9A3Z0	*	37,366	189	34	85	*G0MHR	*	79,285	355	36	121
*JF1MOS	*	36,848	141	37	61	JAG6VW	Z1	18,640	121	28	52	*9M2TO	A	1,004,256	1814	96	256	*9A5AVC	Z1	26,522	233	27	62	*M0AFZ	*	48,825	267	46	129
*JA1BNW	*	26,196	94	40	78	JAG6WV	Z1	806,823	1904	36	121	XV9DT	A	598,230	927	90	216	*9A5KV	Z1	448,414	1416	34	105	*G4SLE	*	14,760	116	25	57
*JA1CP	*	25,987	152	33	48	JAG6JG	Z1	206,823	1904	36	121	XV9TH	Z1	19,929	133	24	49	*9A4MS	*	572,790	161	12	44	*M0ZAK	*	7,128	68	24	42
*JA1ANF	*	23,320	89	41	65	JJ6DGP	A	25,116	119	25	53	9M2/G4ZFE	Z1	332,856	1298	33	101	*9A4VW	Z1	81,302	591	24	82	*M3ANB	*	100	7	4	6
*JH1OLB	*	20,592	119	31	35	*JR4PMX/6	A	115,052	232	64	132	*9M2TO	A	1,004,256	1814	96	256	*9A7ZZ	Z1	119,322	585	29	97	*G0AEV	Z1	379,953	491	33	130
*JG1TCV	*	19,380	95	37	58	*JAG6RS	*	103,029	240	70	113	9M2/G4ZFE	Z1	332,856	1298	33	101	*9A4RV	*	80,240	464	27	91	*G3PVJ	*	181,203	756	27	90
*JG1KH/1	*	19,166	94	27	47	*JG6GIM	*	17,313	82	34	53	*9M2TO	A	1,004,256	1814	96	256	*9A6PKT	7	2,442	67	5	32	*M0AQM	*	23,100	182	18	42
*JA1ZZ	*	16,544	70	39	49	*JG6BEF	Z1	79,872	304	27	77	4U1VIC	Z1	785,880	2156	38	142	*9A30B	*	2,442	67	5	32	*G0ICJ	*	4,640	81	13	27
*JR1VWV	*	10,701	82	38	49	*JG6EFT	Z1	70,035	272	30	75	OHXZ	Z1	326,112	995	35	137	*9A3Z0	*	37,366	189	34	85	*G0EYO	Z1	40,629	292	20	67
*JE1PJR	*	10,608	89	25	27	*JG6L	*	25,102	139	25	52	OHV	Z1	736,194	2035	38	136	*9A5AVC	Z1	26,522	233	27	62	*M0BSL	Z1	93,599	454	27	100
*JK1EBA	*	10,032	53	32	44	*JK0ISK	Z1	3,861	53	18	21	OHNL	7	242,996	1210	30	114	*9A5KV	Z1	448,414	1416	34	105	*M0GEB	*	49,504	379	18	73
*JA1LZ	*	61	87	17	33	*JL6IPK	7	3,456	47	16	20	ZA/Z35M	A	246,250	753	58	192	*9A4VW	Z1	81,302	591	24	82	*MAT	*	7,056	102	10	39
*JH1TUX	*	5,700	59	23	37	JA7NVF	A	2,307,591	2218	131	298	OEBCIO	A	1,034,640	1429	104	328	*9A4VW	Z1	81,302	591	24	82	*G3UEG	1.8	24,366	(Op: GOVOR)	3	54
*JL3UIE	*	2,960	29	19	21	JAT7WD	Z1	712,425	1727	38	123	OEBCYQ	*	420,552	903	80	244	OEK2BU	*	657,744	970	86	300	ES1AJ	A	1,425,008	1989	112	415
*J71BAR	*	2,840	34	20	20	JH7LRS	Z1	836,039	1711	37	144	OEBCYD	*	420,552	903	80	244	OEK2DW	*	414,508	674	77	269	ES1EQ	A	61,420	149	15	108
*JABAG/1	*	1,786	22	17	21	JH7XGN	Z1	556,320	1277	37	123	OE3WJ	Z1	382,564	1006	39	148	OEK2PZ	*	254,560	609	67	229	ES2X	Z1	299,280	938	35	139
*JG1DVL	*	1,221	29	14	19	JH7XGB	Z1	492,692	1200	34	114	OE4WVW	Z1	6,192	65	13	35	OEK2PZ	*	254,560	609	67	229	ES2X	Z1	299,280	938	35	139
*JG1FGL	*	1,128	21	10	14	JH7XGB	Z1	492,692	1200	34	114	OE5WJ	Z1	382,564	1006	39	148	OEK1BP	*	76,160	302	55	169	ES2X	Z1	299,280	938	35	139
*JA1STV	Z1	232,092	693	34	112	JH7XGB	Z1	492,692	1200	34	114	OE6WJ	Z1	382,564	1006	39	148	OEK1DVK	*	76,109	216	62	125	ES2X	Z1	299,280	938	35	139
*JH1SWB	Z1	143,960	455	33	89	*JF7PWB	A	455,607	746	90	189	OE7WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES2X	Z1	299,280	938	35	139
*JA1BU	*	108,004	381	31	93	*JF7BBS	A	4,360	52	18	22	OE8WJ	Z1	382,564	1006	39	148	OEK1DTP	Z1	474,004	1423	34	129	(Op: ES2NA)					
*JG1TVK	*	105,392	370	31	81	*JA7ARW	Z1	2,990	28	20	26	OE9WJ	Z1	382,564	1006	39	148	OEK1DLN	*	447,528	1207	38	136	ES5G	Z1	244,881	1013	37	124
*JA1VHV	*	96,524	371	31	87	*JA7JTK	Z1	24	2	2	2	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*7N2UCQ	*	44,718	212	27	60	*JK0QYZ	Z1	11,834	103	21	40	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JH1CML	*	34,441	239	29	72	*JE7DTP	Z1	5,978	55	21	28	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JK1OXU	*	33,770	139	31	79	*JL7AIA	Z1	2,204	31	15	23	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JA1BBA	*	29,106	156	26	31	*JG7DGF	Z1	1,387	40	9	10	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JE1REJ	*	9,177	71	19	38	*JH7IMX	Z1	4,180	38	16	25	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*7K2PBB	*	6,380	59	15	29	JABRWU	A	699,815	804	517	218	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JA1EMO	*	4,608	52	19	29	JAB8TE	Z1	36,855	140	10	67	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JA1AAT	*	1,596	27	16	22	JH8JUC	Z1	84,337	303	65	116	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JH1HFJ	*	1,380	29	10	14	*JABCSY	A	111,020	246	39	83	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*J01BNL	Z1	128,876	506	32	10	*JK8HOS	Z1	525	16	11	10	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*7K4XNN	*	96,162	471	30	63	*JH8BUR	Z1	22,494	140	24	45	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JE1RRK	*	67,670	288	30	71	*JH8JUC	Z1	21,924	142	21	42	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JH1FOP	*	14,927	130	21	38	*JH8JUC	Z1	21,924	142	21	42	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JK1BI	*	5,985	37	17	25	*JK8FRL	Z1	20	5	3	2	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*JE1JAC	*	4,640	53	16	24	*JA9BWP	A	376,130	501	95	195	OE9WJ	Z1	382,564	1006	39	148	OEK1DXR	*	118,236	78	38	56	ES5G	Z1	244,881	1013	37	124
*7LASC0/1	*	1,581	32	12</																									

S53F	2,550,867	2802	110	451
S53EA	2,390,312	2304	119	465
S51S	920,804	1403	93	329
S59Q	378,371	885	68	215
SPAIN				
EA1EEY	7,460,074	4466	152	614
EA4URE	3,647,616	3101	137	535
EA1COZ	3,422,432	2744	133	475
EA3RKG	1,906,476	2252	107	377
ED1BD	1,782,162	2208	95	291
EA7DIU	1,759,172	3249	71	222
ED1CL	1,516,320	1499	112	428
EA5KB	1,456,832	2045	93	319
EA1FCI	1,324,960	1858	67	305
ED2WWW	810,788	1580	73	231
ED1SML	747,024	1620	68	248
EA4RKU	462,636	704	78	284
ED5PAC	431,503	1399	65	192
EA1FCR	429,994	805	70	256
EA3URC	366,450	814	77	273
EA7GXW	123,369	350	53	124
SWEDEN				
SL2ZA	1,409,832	1718	102	386
S19AM	1,278,343	1905	90	373
SM5U	515,619	786	91	260
SK6HD	93,795	304	45	140
SWITZERLAND				
HB9OK	3,307,005	3321	120	465
UKRAINE				
EN7Z	7,067,016	5248	158	634
EM6U	1,357,330	2078	117	413
UR4IZA	920,802	1261	115	383
US0Q	489,549	954	77	254
UX8IXX	421,470	1167	84	294
US8IZM	367,780	954	78	277
UR4PWC	33,712	196	29	83
UT4UXW	1,378	49	7	19
YUGOSLAVIA				
4N1N	2,701,272	3167	123	465
Y10X	2,179,408	1886	129	487
4N1SM	2,106,865	2340	124	391
YU1HFG	326,895	915	72	213
OCEANIA				
AUSTRALIA				
VK6ANC	942,952	1134	97	214
INDONESIA				
YB0ZDD	3,443,955	3235	113	326
NORTHERN MARIANAS				
KH0AA	12,599,064	6872	158	490
SOUTH AMERICA				
ANTARCTICA				
RIANC	62,046	276	33	48
ARGENTINA				
LR0N	6,700,200	4233	134	466
LU2FM	873,600	1327	83	177
LU5HM	434,280	1143	36	118
L79H	267,948	1187	28	80
BRAZIL				
ZY7C	3,910,450	3644	100	294
PT2CM	1,809,260	2456	82	223
ZV5K	1,158,057	1809	80	181
PY2GEC	1,066,590	1984	61	149
PY2ZR	256,780	671	42	106
P77AA	130,704	465	36	76
CHILE				
CE3N	2,804,736	3211	94	238
GALAPAGOS ISLANDS				
HC8A	22,511,664	9793	174	654
PERU				
OA4O	6,348,400	4530	139	399

MULTI-OPERATOR TWO TRANSMITTERS NORTH AMERICA

UNITED STATES				
K11G	9,920,961	4375	169	668
K1K1	9,626,703	4610	162	645
K0TV1	4,750,680	2742	144	564
N1RR	3,067,428	2195	128	418
K1NU	2,279,952	1448	123	445
W1SRG	1,153,450	1036	97	328
KV1W	1,136,665	859	119	372
N2NT				
W2XL	9,834,670	4601	167	663
W2CG	2,639,826	1807	124	450
N3RS				
K4JA	11,461,072	5137	172	696
N04U	11,091,128	4780	178	714
K5NA				
AA5NT	4,924,576	2944	167	569
W5FK	4,116,016	2588	154	538
W6KK				
W6EEN	6,957,630	3859	163	567
W6YX	3,201,340	2429	142	448
W6UE	2,935,242	2176	141	396
K6BIM	2,293,620	2015	141	375
K6IDX	1,666,441	1461	129	350
W7DX				
NK7U	3,595,414	2445	158	476
W8FT	2,764,586	1956	146	437
ANTIGUA				
V26B	18,756,933	11124	156	585
BAHAMAS				
C6ARB	3,487,624	4556	105	287

8P2K	BARBADOS	3,767,610	3694	114	376
CANADA					
VY2SS	7,789,545	4754	142	563	
VE3DC	3,855,940	2994	133	447	
VE6FI	2,666,780	2956	121	349	
VE6AO	1,292,205	2176	95	216	
VE2/K03RF	858,408	1582	69	213	
VE7OSO	449,160	1045	77	151	
COSTA RICA					
T18/K4OFF	2,261,976	3781	90	217	
CUBA					
CO8LY	1,684,686	2465	94	260	
DOMINICAN REPUBLIC					
HI9X	5,446,540	6390	112	306	
ST. KITTS & NEVIS					
V47NS	11,531,688	7154	134	530	
U.S. VIRGIN ISLANDS					
NP2B	12,355,245	9114	145	498	
AFRICA					
ASCENSION ISLAND					
ZD8Z	24,897,950	11284	166	604	
MADEIRA ISLANDS					
CT9L	22,064,112	9559	164	662	
ASIA					
ASIATIC RUSSIA					
RK9CWW	8,235,462	4437	144	573	
JAPAN					
JA6ZPR	3,306,821	3255	126	307	
J01ZYI	87,792	452	28	65	
JR1ZTT	67,487	284	33	98	
JA7YFB	3,690	41	20	21	
KOREA					
HL0JHQ	425,115	1097	81	154	
SINGAPORE					
9V1YC	1,835,777	1881	118	349	
EUROPE					
ALAND ISLANDS					
OH0Z	9,191,628	6331	163	665	
AUSTRIA					
OE5T	5,771,345	4462	157	612	
CROATIA					
9A7A	13,292,224	7761	173	696	
CZECH REPUBLIC					
OK2KDS	1,525,719	1611	114	437	
EUROPEAN RUSSIA					
RU1A	13,160,616	7684	184	747	
RZ1ZZZ	1,755,056	2150	116	342	
FRANCE					
TM2Y	12,863,878	7372	172	691	
TM6VW	921,484	1374	94	334	
GERMANY					
DF7ZS	1,832,104	1720	119	477	
DL4FAY	1,352,192	1279	112	444	
GUERNSEY					
MU0C	12,178,992	8019	153	651	
HUNGARY					
HG6N	11,294,944	7200	167	696	
ISLE OF MAN					
MD4K	10,417,968	7906	159	633	
ITALY					
IR4T	13,508,030	7049	176	729	
JERSEY					
MJ/DL1EK	5,403,792	5314	112	506	
KALININGRAD					
RW2F	14,163,303	8072	189	742	
LITHUANIA					
LY1YK	5,337,912	4484	163	625	
LUXEMBOURG					
LX5A	10,842,868	6511	162	682	
NORWAY					
LN1K	217,621	700	57	212	
POLAND					
SO6Y	1,508,542	1579	113	441	
SCOTLAND					
GM2T	940,918	1366	87	331	
SWEDEN					
SK3W	7,179,840	4920	165	645	
SWITZERLAND					
HB9H	8,527,542	6021	153	609	
OCEANIA					
AUSTRALIA					
VK1JDX	145,008	340	67	145	
CHATHAM ISLAND					
ZL7C	6,249,152	5417	116	300	
GUAM					
AH2R	12,558,232	6862	162	502	
NEW ZEALAND					
ZL6QH	2,949,072	2708	123	279	
OGASAWARA					
8N10GA	2,279,552	3886	107	245	

ZK1CG	SOUTH COOK ISLANDS	2,511,243	3073	100	209
SOUTH AMERICA					
ARGENTINA					
LT1F	8,567,690	6194	139	423	
LT5H	3,197,805	3676	94	251	
BRAZIL					
ZW5B	16,201,515	8156	160	585	
NETHERLANDS ANTILLES					
PJ2T	28,415,835	12916	161	628	
MULTI-OPERATOR MULTI-TRANSMITTER NORTH AMERICA					
UNITED STATES					
KC1XX	19,390,428	8033	188	784	
W3LPL	17,683,044	7491	188	760	
K9NS	16,150,140	6941	189	751	
N4TO	12,218,114	6229	178	725	
N2RM	12,188,160	5737	177	703	
W4MYA	10,575,400	4875	180	694	
K1RX	9,172,730	4516	169	657	
K1TTT	8,616,960	4435	167	649	
KB1H	7,437,285	3583	160	641	
W3PP	7,020,260	3671	163	643	
W2AX	6,948,576	3717	152	584	
K3ANS	5,723,984	3053	166	618	
N3AD	5,514,240	3301	153	565	
W8ZA	5,118,309	2690	153	576	
K3DI	4,109,738	2280	150	553	
K0IR	3,329,750	2376	161	546	
K3CT	1,238,160	1119	94	346	
NS2P	832,048	848	91	300	
ANGUILLA					
VP2E	7,131,460	4096	157	609	
CANADA					
VC2C	9,942,640	8045	139	453	
VE7SCC	3,098,700	3718	124	326	
VE5RI	2,841,696	3519	110	306	
VE7ZZZ	2,414,652	3529	109	263	
COSTA RICA					
T15N	18,748,114	11658	160	582	
GRENADA					
J3A	14,528,172	9525	146	552	
TURKS & CAICOS ISLANDS					
VP5T	10,321,920	8059	128	448	
AFRICA					
AFRICAN ITALY					
IH9P	49,469,160	17780	188	800	
MADEIRA ISLANDS					
CO9K	31,004,311	13259	177	724	
ASIA					
CHINA					
BY4BJA	4,947	199	22	29	
JAPAN					
JA3YBK	12,326,301	6155	170	599	
JA5BJC	9,181,365	5109	170	529	
JA7YRR	6,472,883	4277	161	458	
JA1YPA	5,279,532	3447	158	463	
JA1KQX	595,935	703	105	264	
JJ1YAF	3,306	57	25	33	
MACAO					
XX9C	5,918,857	5887	150	457	
UNITED ARAB EMIRATES					
A61AJ	33,377,700	13376	186	784	
EUROPE					
BELGIUM					
OT2A	15,491,868	9744	175	728	
CORSICA					
TK4Z	14,440,401	11255	138	589	
CZECH REPUBLIC					
OL5T	7,702,565	5532	155	660	
OK1GK	1,566,189	1986	103	410	
GERMANY					
DF0HQ	16,503,110	9682	185	777	
DH0DX	4,854,756	3686	139	569	
DL0KC	2,474,910	2400	130	512	
LATVIA					
YL4U	2,418,693	2597	127	506	
LICHTENSTEIN					
HB0/HB9AON	8,743,140	7102	143	613	
LITHUANIA					
LY7A	7,972,731	6136	164	657	
NORWAY					
LN4C	4,137,800	4462	132	548	
POLAND					
SN4L	3,478,810	4082	131	531	
SP3KHF	1,854,210	1623	124	446	
SARDINIA					
IS0A	703,836	1570	76	302	
SCOTLAND					
GM5A	9,233,412	7306	154	653	
GM0B	3,768,775	4260	133	514	
SLOVAK REPUBLIC					
OM0M	1,598,056	1924	109	315	
SLOVENIA					
S55W	3,031,712	3058	112	432	



Craig, FS/AH8DX, #7 World Single Op, All Band, High Power.



BY1DX operated by Harry, OH6FY.

Bernie, VK4EJ, with his S&P op.



SPAIN					
ED7VG	9,280,804	8018	139	537	
EA4TV	1,169,489	2072	77	276	
EA2URV	293,828	928	61	237	
OCEANIA					
HAWAII					
KH7R	28,795,122	13391			