

Results of the 1996 CQ World-Wide DX SSB Contest

BY BOB COX*, K3EST

It was the sunspot minimum. Ignoring this fact, tens of thousands of like-minded contestants from all over the world flipped on their rigs and prepared for 48 hours of adventure. Using the CQ WW database, our estimate is that 31,000 amateurs from over 230 countries took part in the 1996 CQ WW DX SSB Contest.

It was terrific to see the 80 or so DXpeditions that were on during the contest. There sure were some rare stations that got into a lot of logs: XZ1N, XY1U, ZS8IR, D25L, TL8MS, J28JY, TR8IG, 9G1BJ, 7P8/OE2VEL, C91CO, 5X4F, 9X4WW, S79MAD, 9L1MA, 3V8BB, S01M, 5X4F, A71CW, AP2NK, T77WI, 9M8R, A35SQ, 9K2RA, C31LD, ZB2BU, T88T, FK5DX, CY0XX, XX9X, HS1AZ, TK1A, and HB0/HB9AON, to name just a few. I'm sure that I speak for all participants in saying "thanks" to all the DXpeditions and rare stations that made an effort to make the 1996 CQWW the second largest radio DX contest in the known history of the world (1990 was 234 more logs!).

Single Operator High Power

Of the top ten finishers, all but two were DXpeditions. Quite a lot of frequent-flier miles were racked up! The winner of this coveted category was Jim, N6TJ, operating at ZD8Z. Jim took full advantage of his rare country and zone. Believe it or not, Jim won for the world with ZD8Z in 1968 and is only the second contestee to win in four decades! The first was KH6IJ. Jim seems to be getting better with time. The battle for second place was very close. Jose, CT1BOH, carried P40E over John, W2GD (P40W), in the last hours of the contest.

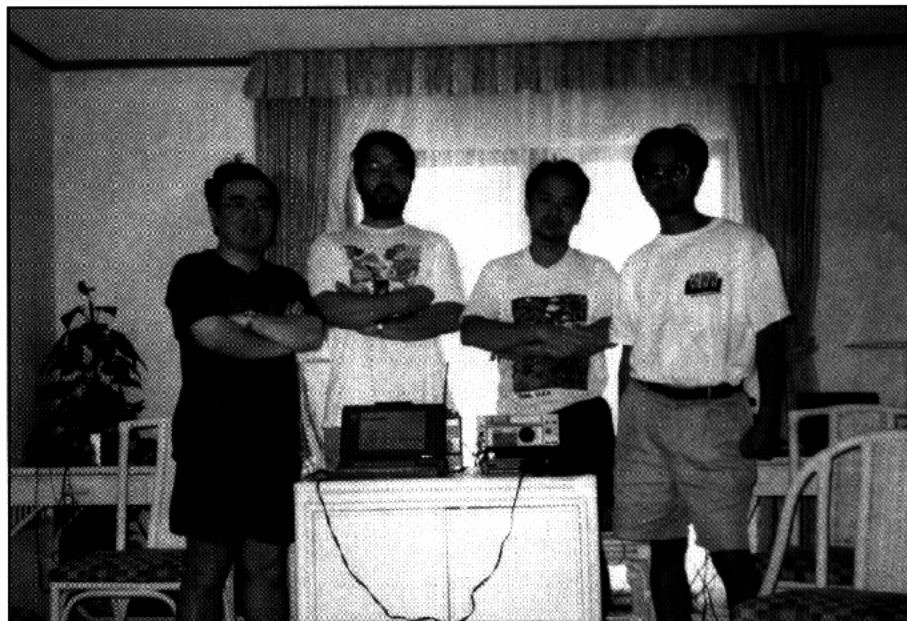
In the USA Randy, K5ZD/1, took the top slot. Randy's unique rate set an example for all other all band operators. Second place USA went to Bill, KM9P/4.

The battle in Europe reversed itself from last year. This time GI0KOW came out ahead of Tine, S50A. The conditions to the states were a big advantage to GI0KOW.

Single Operator Low Power

The low power category continues to attract the most participation. This category allows for everyone to get on and have a good time. The world all band winner was Heinz, DK5WL, operating TA4ZM. Heinz took a plane trip to nearby Asiatic Turkey and carried away the top low power trophy. Down Argentina way, LP7N piloted by LU2NI finished second. DK5WL worked lots of Europeans and LP7N worked lots of USA. The top USA score came from WA4ZX.

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NH2C operated by (left to right) Seo, JG3RVO; Kazu, JG3RPL; Aki, JI3ERV; and Toshi, JR7OMD.

Jimmy sure caught the right wave to make it into the world top ten. Joining him in the top ten was AC1O/4, who took the silver. In Europe Steve, G4KIV, pushed the gas pedal to the floor to edge out IR4R operated by IK4ALM.

JA0QNJK took top honors in the far east. The low power category sure filled a need in Japan, where interference can be a nightmare.

QRP

As the sunspots bottom out, the QRPers really take a beating, as was reflected in their lower overall scores. First-place QRP in the world went to F5BEG with 525k. Gendron, while making most of his contacts on 20 (302/18/67) meters, actually worked the most multipliers on 15 meters (259/27/75). And how would you North Americans like to work 169 QSOs on 75 (as Gendron did) yet only be rewarded with 207 QSO points for that effort? Coming in second in the world (and second in Europe) was YU1EA with about 350k.

The real upset, though, was in the QRP battle for the USA. N1AFC, after many years of "also ran," finally put it all together and de-throned AA2U with a score of 328k versus 307k! Once again it was a battle of QSOs versus multipliers, and once again QSOs won out.

A big congratulations to Peter, who hung in there year after year to finally take the prize. Finally, it is very interesting to note that UA9ACJ (who was eighth in the world QRP) made zero QSOs with North, Central, and South America, and the Pacific. He made only two QSOs in Africa. It's hard to imagine a box score entrant who didn't even work one QSO in Zone 5, 8, or 9. Let's hope the SFI is better the next time around.

Assisted

The Single-Operator Assisted category has definitely gone worldwide now, with two of the top three scores from Africa! DL4NAC operated the station of CT3FN to world high, followed by top European LY5A (Opr. LY2BTA) and 7P8/OE2VEL. The top U.S. station was AA1K, narrowly edging out runner-up KE3Q, with KS1L coming in third.

Following LY5A in Europe were IR2W (Opr. IK2PZC) and DL0WW. JH7PKU led all Asian entrants.

Multi-Single

Competition in this highly prized category was rugged. It was the battle of the guys on the

TROPHY WINNERS AND DONORS

SINGLE OPERATOR	MULTI-OPERATOR
World All Band	SINGLE TRANSMITTER
ZD8Z (Opr. Jim Neiger, N6TJ) Donor: Dave Rosen, K2GM WA2RAU Memorial	World
World Low Power	ZX0F (Oprs: PY5EG, PY5CC, N5FA, PY0FF)
TA4ZM (Opr. Heinz Josef Pick, DK5WL) Donor: Slovenian Contest Club	Donor: So. Calif. DX Club
World QRP	W6AM Memorial
Gerard Gendron, F5BEG Donor: Doc Sayre, N7AVK	U.S.A.
World Assisted	KF2ET (Oprs: KF2ET, AA2DU, KE2NL, WR2I, K2UU, WB2DVK)
CT3FN (Opr. Martin Riederer, DL4NAC) Donor: Snake River Contest Club	Donor: Carolina DX Association
USA	Carib./C.A.
Randall Thompson, K5ZD Donor: Potomac Valley Radio Club KC8C Memorial	8P9Z (Oprs: K4FJ, K3KG, KI6IM, WA9L, W2NA)
USA Low Power	Donor: Eric Scace, K3NA
Jimmy Floyd, WA4ZX Donor: North Coast Contesters	Asia
U.S.A. Zone 3	RW0A (Oprs: RV0AR, RU0AB, RV0AU, RA0AM, UA0AGI, UA0ANW)
Lewis Sayre, N7AVK Donor: Bill Fisher, W4AN	Donor: Edward L. Campbell, AH2BE
U.S.A. Zone 4	Europe
Mike Wetzel, W9RE Donor: Dennis O'Connor, K8DO	IQ4A (Ops: I4VEQ, I4IND, I4LCK, I4TJE, I4IKW, I4EAT, I4AVG, I4PVP, I4YRW, IK4EWK, IK4DCT, IK4QJH, IK4CZF, IK4XQH, IK4MGP, IK2NCJ, IW4ANU)
Canada	Donor: Bob Cox, K3EST
CI3EJ (Opr. Gary Caldwell, VE7NTT) Donor: Niagara Frontier Int'l DX Assn. VE3WT Memorial	Oceania
Caribbean/C.A.	NH2C (Oprs: JG3RPL, JR3RVO, JI3ERV, JR7OMD)
4V2A (Opr. Ivo Pezer, 9A3A) Donor: Alex M. Kasevich, VP2MM	Donor: Junichi Tanaka, JH4RHF
Europe	South America
R.W.C. Cummings, GI0KOW Donor: Potomac Valley Radio Club W4BVV Memorial	HC8N (Oprs: WN4KKN, WX3N, AG9A, VE3EJ)
Europe Low Power	Donor: Jerry Boyd, K6BZ
Steve Bowden, G4KIV Donor: N3RA & K3LR	MULTI-OPERATOR
Africa	MULTI-TRANSMITTER
3V8BB (Opr. Hrane Milosevic, YT1AD) Donor: Gordon Marshall, W6RR	World
Asia	PJ9E (Ops: WA3LRO, N3ED, K3EST, KB2XZ, N4RV, N7ZZ, K2SB, NL7GP, W3UM)
Krysztof Darbrowski, A71CW Donor: 2 AM Dayton Pizza Gang	Donor: W6QHS and KK6QM
Japan	U.S.A.
Kazuhiko Endou, JA0QNJ Donor: Japan Crazy Contesters Club	KC1XX (Ops: KM3T, KC1F, AD1C, WZ1R, K1DG, KB1AWE, K1EA, AA1ND, PU1JTE)
Oceania	Donor: Paul Hellenberg, KS9K
V85HG (Opr. Hajime Kato, JO1RUR) Donor: Northern California DX Club	Europe
South America	TK1A (Ops: DL4MCF, DL1MAJ, DF9LJ, DK6WL, DL4MEH, TK5NN, TK5EP, DF9RX, TK5MH, TK1BI, DK4VW, DL6RAI)
P40E (Opr. Jose Carlos Cardoso Nunes, CT1BOH) Donor: Yankee Clipper Contest Club	Donor: Finnish Amateur Radio League
SINGLE OPERATOR, SINGLE BAND	Japan
World—28 MHz	JH5ZJS (Ops: JA5BJC, JA5FDJ, JA5JCC, JA5THU, JH5RXS, JR5JAQ, JR5VHU)
PQ5W (Opr. Walter Vicente Gomesfilho, PP5WG) Donor: Joel Chalmers, KG6DX	Donor: Ryozo Goto, JH3JYS
Europe—3.7 MHz	CONTEST EXPEDITIONS
N.S. Shirko, UA2FJ Donor: Marconi Contest Club I3MAU Memorial	World Single Operator
Europe—1.8 MHz	7P8/OE2VEL (Opr. Wolfgang Klier, OE2VEL)
Josef Burian, OK1AY Donor: Robert Kasca, 9A3A	Donor: National Capitol DX Association W2GHK Memorial
Japan—21 MHz	WORLD MULTI-OPERATOR
Ooshika Tarou, JI2UNR Donor: DX Family Foundation	XX9X (Ops: OH1KAG, OH2BH, OH2BVF, OH2PM, OH6DO, XX9AL, XX9KC, XX9MD)
Japan—14 MHz	Donor: The German CDXG & SDXG DJ3NG & DJ4EI Memorial
Tadeo Katsuta, JH7DNO Donor: Take Yokoyama, JL1BLW	SPECIAL SINGLE OPERATOR AWARDS
World—All Band High YL	World—All Band Under 21 Years Old
Mieko Inoue, JA0QWO Donor: Yutaka Tanaka, JH3DPB	C40M (Opr. Stavros Tsiaikouris, 5B4AFM)
	Donor: Gene Zimmerman, W3ZZ

equator—ZX0F at 3 degrees south in the Atlantic versus HC8N at 0 degrees in the Pacific. Wow, what a struggle! When all was finished, ZX0F took top honors. Their openings on 10 meters made the difference.

In Europe, perennial powerhouse IQ4A put their hilltop cave to great use and took the very competitive European trophy. Second place went to the TM2Y crew, who operated at F6BEE's QTH.

In the USA, KF2ET of the Frankford Radio Club beat out another FRCer, N3RS. The friendly rivalry with the FRC is one of the secrets to their great club score success.

Multi-Multi

Just before the contest began the crew of PJ1B (now PJ9E) received word that their mentor and founder, PJ9EE, had passed away. In an effort to honor his memory, they secured the callsign PJ9E. Once again this well-oiled crew won for the world. Second place went to V26B. The story of their adventure can be found in the September issue of *CQ Contest* magazine.

The Bavarian Contest Club traveled down to TK and with a lot of hard work and fine operators took first place in Europe over the tough competition from 9A1A. Both crews spent many months thinking about their efforts.

Here in the US, Matt's crew at KC1XX put their QTH in NE USA to work. From the top of their stacked beams tower you can see EI on a good day. Hi. They did not run away from it and had to overcome a tenacious effort from the New Jerseyites at N2RM.

Team Contesting

Team Contesting this year was the largest ever! Eighteen sent in their teams, representing every continent. Placing four of their five team members in the all band world top five, Neiger's Tigers racked up a staggering 42M points! All the team members are to be congratulated.

The real battle was for second place between Team Nippon and Yugoslavian Team #1. Team Nippon took the silver position. All teams are to be congratulated. Why don't you try team contesting? The five members can be from anywhere on Earth, and your personal score can still be added to your local radio club aggregate.

New Records, Special Mention

The following stations set new world or continental all-time records:

World 1.8 IG9/IV3TAN; L3.7 9A4RU; L1.8 S54E; Q14 RW9AB; Q3.7 YU1YV; A14 IR8A (I8QLS); A1.8 EA3ALD; USA 3.7 K1ZM/2; A1.8 W4DR.

North America 1.8 CG1ZZ (VE3BMV); L14 X07A (VE7SV); L3.7 VP2E/WB5CRG; L1.8 CO3JA; Q7 W0KEA; A1.8 W4DR.

Africa 1.8 IG9/IV3TAN; AA CT3FN (DL4NAC).

Asia L21 4Z4T (4Z4UT); Q14 RW9AB; A14 JE2HCJ.

Europe L14 IY4M (I4ABF); L7 S54ZZ; L3.7 9A4RU; L1.8 S54E; Q14 YU1NR; Q3.7 YU1YV; AA LY5A (LY2BTA); A14 IR8A (I8QLS).

Oceania L14 DU1COO; L7 KH6/K6GSS; L3.7 KH8AL; L1.8 KH8AL; Q21 VK3NDS.

South America 21 ZX5J (PP5JR); L3.7 YV4AZF; L1.8 HK6ISX.

There were many outstanding efforts this



The Royal Omani Radio Amateur Society, where A45ZN was located.

year. Here are a few. Alberto, IV3TAN, traveled down to IG9 to set a new world record on 160 meters. He worked 102 countries and did not lose a single one when his log was checked. His QTH was on a point high over the water, an ideal location for 160. He was just one of seven different IG9 stations put on the air by the Marconi Contest Club. The battle on 40 meters out in USA zero-land between W0UN and KV0Q was fantastic. The final difference was less than one QSO! The MM of XX9X prompted three other XX9's to submit logs. An all-time high for that country. Steve, N2IC/0, was the highest score in the USA east of Indiana. What a terrific job this WRTCer did.

Comments

A. Rule modifications: Please take the time to read the rules which appear in this issue of *CQ*. There have been a few modifications since last year. Look for the bold lettering in Rules III, XI.5, and XII for these changes.

B. Questions: If you have a question about anything concerning the CQ WW, send a letter to <questions@cqww.com>. Most contestants assume that their contesting software does it all for them, but it may not. Here are some of the most common violations of the rules. Please help us and try to avoid the following:

1. No dupe sheet (Rule XI.9).
2. A disk is sent without a paper summary (Rule XI.5).
3. Failure to divide mults into countries and zones (Rule XI.7).
4. Failure to indicate QSO totals on summary sheet (Rule XI.7).
5. Failure of Low Power and QRP stations to indicate POWER used on their summary sheets (most only give rig type) (Rule XI.11).

C. Electronic Submission: This year we received 1224 electronic submissions—disks or e-mails. We really appreciate your efforts to make your contest the best. Even with that many submissions there were 1296 computer logs with nodisk or e-mail log! If you use a computer to generate your log, please take the time

to send a disk plus a paper summary sheet or e-mail your log. It is cheaper for you to mail a disk than it is to mail your whole log. E-mailing your log is cheapest of all! Thanks for all your help. Refer to Rule XI.5 for directions on how to submit a disk.

D. CQ WW SSB Contest e-mail submissions <ssb@cqww.com>: You can submit your log via internet. E-mail is easier for you and us. For e-mail we require two files to be included in your message:

1. A SUMMARY sheet in plain-text ASCII.
2. Your LOG, which should be sent in one of two ways—as a plain-text ASCII file (for the most popular programs submit your CT: yourcall.ALL file, TR: yourcall.DAT; other fixed-column ASCII formats are acceptable) or as a binary file (acceptable examples for submission of files for the most popular contest programs—acceptable binary formats are NA: yourcall.QDF; OH2BQS). If you send a binary file, it will have to be encoded for transmission via e-mail. All popular encoding schemes are acceptable, including UUencode, Base64, and BinHex. Your software may automatically encode your log as an attachment.

If you must send the files in separate messages, be sure to put the MODE and the station CALLSIGN in the Subject: line of each message. When you send your log, it should automatically be acknowledged by the server. If we eventually have trouble with reading your file, we may ask you to send a disk. Submit your 1997 CQ WW SSB log to <ssb@cqww.com>.

E. SWL: For SWLs reading these results please contact Bob Treacher, BRS32525, at the address in *CQ Contest* magazine or on e-mail at <101526.1041@compuserve.com>. He runs the SWL part of the CQ WW, called the October Challenge.

Thanks

Thanks to the CQ WW log checkers who validated the winners. The 1996 hard-working crew included K1DG, K3UA, K3ZO, K6NA, KR2Q, N2AA, N2NC, N3ED, N3RA, N5NJ,

TOP SCORES

WORLD		21 MHz	EUROPE	21 MHz	USA
SINGLE OPERATOR			SINGLE OPERATOR		KC3PZ
HIGH POWER			HIGH POWER		N8FWA
All Band			All Band		N2TDT/3
ZD8Z	11,253,304	4Z4T.....865,094	GIØKOW.....5,787,333	RQ4L.....637,014	5,520
P40E	10,479,765	LU7FJ.....735,124	S50A.....4,206,860	S57J.....315,185	WA7NIY
P40W	10,018,332	RQ4L.....637,014	UT7EZ.....4,141,984	YO3JF.....282,080	4,455
9Y4H	9,650,784	S01M.....535,704	YT1AD.....3,630,844	SP3SLA.....240,000	KC1XX
3V8BB	8,529,792	CN8NK.....525,735	IY4M.....807,764	F5PGP.....226,366	14 MHz
8R1K	7,516,158	S57J.....315,185	4A1FEC.....3,333,804	IY4M.....807,764	A1C/4
4V2A	6,857,970	14 MHz	D4JPT.....3,183,040	IR9B.....540,799	96,728
V85HG	5,811,663	X07A.....682,620	YU7AV.....3,151,470	ES2RJ.....464,352	KJ6HO
GIØKOW	5,787,323	IR9B.....540,799	UT4UZ.....2,973,500	YU7BJ.....463,386	79,002
FG5BG	5,699,938	LUSFCI.....531,520	GW4BLE.....2,839,187	Z30M.....423,948	W9RE
		ES2RJ.....464,352	YU7BW.....2,749,918	N2C/0.....2,292,796	68,355
				KE9A/4.....2,220,596	53,960
28 MHz		7 MHz	28 MHz		W1XK
PQ5W	631,116	S54ZZ.....213,194	9HØA.....223,010	S54ZZ.....213,194	55,170
LU6ETB	439,101	EA3BD.....129,105	CT4NH.....154,399	EA3BD.....129,105	K1VUT
LU4HAW	394,709	RA0FA.....126,430	EA7EZ.....106,941	TMØZK.....104,544	N4MO
ZP6CC	357,216	TMØZK.....104,544	I8KPV.....89,380	UA4LL.....89,964	N15M
LU3FZW	278,502	UA4LL.....89,964	IK5QGO.....80,344	S50O.....87,780	154,070
LU1MA	229,932	S50O.....87,780	S51AY.....79,076	S54A.....81,125	W7FP
					14 MHz
21 MHz		3.7 MHz	21 MHz		12,659
ZX5J	2,976,190	9A4RU.....102,885	CT1BOP.....1,078,608	9A4RU.....102,885	WW3S
CT1BOP	1,054,144	KH8AL.....57,050	S55A.....651,128	9A3QK.....51,587	21,762
AY7D	1,009,936	9A3QK.....51,587	IK4GRO.....632,431	IQ5Q.....50,232	W2FGY
AH8A	890,910	IQ5Q.....50,232	F5NBX.....579,790	IT9THD.....46,720	K2MFY
LU2QC	708,513	IT9THD.....46,720	S55U.....564,510	OK1FPS.....41,331	KB8IBS
ZP5MAL	704,082	VP2E/WB5CRG 43,416	S53R.....479,210	S57CBS.....40,158	
14 MHz		1.8 MHz	14 MHz		3.7 MHz
D25L	2,212,080	S54E.....38,871	OK1RI.....1,265,704	S54E.....38,871	W1MK
SB4MF	1,293,424	HA8BE.....35,644	IT9BLB.....1,148,648	HA8BE.....35,644	AF8C
OK1RI	1,265,704	OK1FFU.....24,274	OZ7X.....885,066	OK1FFU.....24,274	
IT9BLB	1,148,648	DJ9LJ.....19,668	MI6I.....878,150	DJ9LJ.....19,668	QRP
IG9/IK2QEI	1,114,578	GW6J.....17,936	OI1JD.....744,480	GW6J.....17,936	All Band
CE3F	1,091,249	IK4LZH.....17,629	OI4OC.....735,048	IK4LZH.....17,629	
7 MHz		QRP	7 MHz		N1AFC
IG9/IT9GSF	1,103,021	All Band	IR4T.....745,820	QRP	328,068
9M8R	834,240	F5BEG.....425,784	LZ5W.....588,350	All Band	AA2U
IR4T	745,820	YU1EA.....362,212	5F5BEG.....425,784		307,060
9Y4VU	609,650	N1AFC.....328,068	9A4D.....491,102	KA1CZF.....145,112	
LZ5W	588,350	AA2U.....307,060	YT7A.....474,498	K0RI.....106,863	
AY1I	568,400	EA1GT.....297,686	S53EA.....443,856	WB3ECU.....40,584	
		YU1KN.....280,576	3.7 MHz	W8QZA/6.....40,040	
3.7 MHz		UR5UW.....163,530	UA2FJ.....256,452	NZ5A.....37,973	
IG9/I4UFH	787,710	KA1CZF.....158,148	YT1OT.....183,500	A17B.....138,528	
EA6AH	735,072	UA9ACJ.....149,730	LY6K.....179,170	W8JGU.....91,512	
P49I	453,921	SP7LZD.....148,824	9A7A.....149,796	W0HEP.....6,132	
K1ZM/2	292,100	ASSISTED	IU2X.....165,204	N7JXS.....5,700	
UA2FJ	256,452	All Band	LA9VDA.....165,025		
FM5BH	205,110	CT3FN.....7,795,760	1.8 MHz	ASSISTED	
		LY5A.....5,879,094	LY5A.....5,879,094	All Band	
1.8 MHz		AA1K/3.....2,882,554	TM2V.....3,226,720	AA1K/3.....2,882,554	
IG9/IV3TAN	441,252	AA1K/3.....2,882,554	IR2W.....2,481,570	KE3Q.....2,800,749	
CG1ZZ	91,803	KE3Q.....2,800,749	DL0WW.....2,387,730	KS1L.....2,645,277	
OK1AY	64,154	KS1L.....2,645,277	DL3KDV.....1,610,848	K3NZ.....2,462,136	
YU1ZZ	63,154	IR2W.....2,481,570	SV8CS.....47,272	K3WW.....2,456,019	
S54DL	54,940	K3NZ.....2,462,136	OZ3SK.....44,540	W8WW/4.....20,276	
SM6DOI	49,506	K3WW.....2,456,019	1.8 MHz	K9HMB.....46,696	
		N3AD.....2,402,360	LA9VDA.....165,025	WW2Y.....14,809	
LOW POWER		DL0WW.....2,387,730	1.8 MHz	KC8MK.....10,308	
All Band		G4KIV.....1,244,524	LY5A.....5,879,094	AA4MM.....7,904	
TA4ZM	3,238,785	IR4R.....1,137,672	TM2V.....3,226,720	W2VO.....6,440	
LP7N	2,178,399	RZ6LJ.....1,033,410	IR2W.....2,481,570	WB9Z.....6,016	
CT3/OH6LI	1,579,550	LY3BA.....1,027,138	DL0WW.....2,387,730	WA2IZL.....4,715	
TR8IG	1,486,680	ON5GQ.....907,710	DL2NU.....1,528,372	MULTI-OPERATOR	
9G1BJ	1,391,250	EA3ZK.....817,740	IU2M.....1,512,034	SINGLE TRANSMITTER	
G4KIV	1,255,128	CT3BX.....11,372,445	ES5Q.....1,480,171	KF2ET.....5,281,560	
WA4ZX	1,227,842	IQ4A.....10,703,504	I2A.....1,409,408	N3RS.....4,559,520	
EK4GK	1,193,825	8P9Z.....10,593,882	IO4A.....1,260,672	K1NG.....4,169,364	
IR4R	1,145,000	MULTI-OPERATOR	MULTI-OPERATOR	K4ISV.....4,164,464	
AC1O/4	1,070,307	MULTI-TRANSMITTER	SINGLES TRANSMITTER	WA2VUY.....2,835,150	
		SINGLES TRANSMITTER		K5MR.....2,748,825	
28 MHz					
CX8CP	289,599	CT1ELP.....84,095	TK1A.....17,035,667	KC1XX	
LU9HZS	282,264	V26B.....25,249,032	CT1ESO.....68,195	N2RM	
LU9VY	213,600	TK1A.....17,035,667	EA7HBP.....57,780	10,773,260	
LW2DBM	206,617	9A1A.....14,725,445	EA7FIU.....51,888	10,653,600	
ZD8DEZ	178,911	M6T.....12,777,856	EA3FCQ.....45,235	K3LR.....10,332,618	
4X1VF	176,900	OT6A.....12,604,410	OM5FA.....33,573	W3LPL.....10,113,178	
				W2PV	
MULTI-OPERATOR		MULTI-TRANSMITTER	28 MHz	7,975,702	
MULTI-TRANSMITTER		MULTI-TRANSMITTER	KB5ZFO.....20,350	K1KI	
				6,937,164	

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
ZD8Z	19/11/16	180/22/51	609/25/74	1148/35/138	2295/31/138	1294/27/124
P40E	169/9/25	436/18/5	1003/23/87	1378/31/117	2380/28/110	729/23/57
P40W	127/10/29	465/19/77	857/23/81	1378/25/93	2270/26/102	970/22/57
9Y4H	283/10/29	533/21/73	838/24/82	1213/25/76	2298/31/124	683/21/56
3V8BB	289/10/56	575/20/80	716/26/90	1192/34/121	1080/34/122	346/21/73
8R1K	96/8/18	328/16/66	765/23/84	1351/31/95	1740/27/97	346/16/38
4V2A	4/3/4	341/14/54	1078/23/84	1926/33/120	2174/25/103	255/16/31
V85HG	5/5/5	45/15/24	633/26/55	1088/31/6	1928/32/89	818/23/56
GI0KOW	233/8/50	636/14/70	593/23/90	2077/33/122	856/33/124	89/10/362
FG5BG	78/6/20	429/13/60	979/19/66	1335/26/100	1310/20/80	57/17/53

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

ZX0F	25/9/27	250/26/86	1736/32/119	1541/38/159	3546/36/156	1022/30/131
HC8N	264/12/28	489/24/84	1474/30/108	2213/34/142	3111/34/142	737/23/71
EA8ZS	36/6/32	4590/22/07	1192/31/115	1431/35/132	2104/33/141	204/23/98
CT3BX	59/7/42	541/17/73	505/25/90	1291/34/138	2486/34/136	573/19/96
IQ4A	91/12/69	319/29/113	1019/34/139	1821/39/156	1455/38/156	181/26/97
8P9Z	249/10/31	401/19/82	1418/28/111	1614/32/137	1930/31/120	798/23/78

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

PJ9E	723/16/58	1590/26/105	2178/31/118	4165/38/169	3453/32/151	1437/24/93
V26B	637/15/56	1306/21/90	2414/28/114	3989/36/162	3595/32/154	1360/23/97
TK1A	969/12/71	1968/24/113	2717/33/132	3411/39/166	1771/38/165	1141/23/97
9A1A	849/17/83	1468/35/127	1979/37/132	2434/39/162	1890/38/169	422/23/95
M6T	955/9/67	1722/27/108	1811/31/131	2622/40/174	1622/35/172	316/22/80
OT6A	907/10/63	1534/23/100	2019/34/129	2480/40/144	1123/35/142	387/21/78

N5TJ, N6ZZ, N8BQJ, N9RV, W2RQ, W3ZZ, W7EJ, and W9RE. Our DX advisors were very helpful in offering advice, providing information, and sorting out potential problems; they were CT1BOH, DL6RAI, EA3DU, G3SXW, I2UIY, JE1CKA, OH2KI, OH2MM, OK2FD, ON6TT, PY5EG, S50A, SM3SGP, UA9BA, and VE3EJ.

A special thanks to Dick, N6AA, who again spent countless hours to make the CQ WW database the best in contesting. The CQ WW uses the software developed by N6TR to create the database. John, K2MM, set up and managed the <CQWW.com> internet site and Larry, N6TW, was valuable in retrieving data from e-mail submissions. And 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 competitor on for a local, friendly competition, and join us this year for the 50th running of the CQ WW.

73 and CU in '97, Bob, K3EST

DX QRM

Congratulations! This was my first contest in radio amateur bands and it's amazing! I really enjoyed it . . . PU2NVC. Always a great opportunity to work new band points. Fifteen meters was great to the US and Asia. . . . LX1NO. 5 Ops = 76 Years! . . . 9A1CFZ. This is our first DXCC contest. We have met many rare stations, so we feel very excited! . . . BY4BZB. Was expecting more contacts on 3.7 and 7 MHz but conditions did not help. . . . AP2NK. Propagation seems to be getting better as 133 countries were worked. Fifteen meters was really open as over 1000 QSOs were made, but toooo much QRM on 40 meters. . . . SV1DKR. VE1ZZ QTH can hear!

Too bad propagation was terrible. Nice to be back to CQ WW after 10 year QRT. . . . VE3BMV (at CG1ZZ). No propagation to Asia. Heard W7's working Asia. Europe Sunday morning only. Fifty years of

USA TOP SINGLE OPERATOR, ALL BAND

Station	160	80	40	20	15	10
K5ZD/1	41/11/28	236/16/74	304/27/85	966/34/125	724/27/110	70/9/26
KM9P/4	44/12/29	176/23/71	155/25/73	952/35/135	561/29/116	143/14/33
N6BW/1	26/8/23	158/17/56	140/23/69	898/32/122	815/24/116	71/11/20
K3ZO	30/9/23	203/21/63	281/28/83	974/36/123	454/25/100	50/8/18
K1IU	24/5/15	137/17/58	284/24/81	722/29/104	862/24/95	70/10/24
W3BGN	45/11/28	172/19/64	134/25/68	684/33/107	607/24/98	75/11/27
W9RE	45/10/27	115/21/60	172/26/76	605/34/125	578/27/114	95/11/35
K1RU	25/4/13	110/14/56	168/24/71	681/34/107	740/23/105	66/10/23
N2IC/0	34/12/21	135/22/47	302/29/74	1019/35/120	182/25/82	22/7/13
KE9AV/4	30/9/20	96/15/55	127/24/69	749/32/112	518/26/102	58/9/21

USA MULTI-OPERATOR SINGLE TRANSMITTER

KF2ET	29/10/29	247/21/83	333/30/98	1208/36/142	826/27/138	8/16/50
N3RS	39/12/35	287/26/87	199/29/87	836/37/155	847/27/142	65/18/53
K1NG	40/13/35	176/24/81	359/26/94	764/36/141	751/28/135	97/17/44
K4ISV	30/11/26	158/26/73	207/3/95	1230/31/168	538/30/139	5/15/43
WA2VUY	29/7/21	126/22/73	193/27/82	721/35/134	491/27/128	68/15/44
K8LK	24/9/21	74/18/48	159/29/82	854/36/146	570/25/112	33/7/26

USA MULTI-OPERATOR MULTI-TRANSMITTER

KO1XX	207/13/41	761/24/102	672/32/113	1784/38/165	1570/28/154	305/16/46
N2RM	202/14/48	649/27/106	651/33/110	1536/38/167	1561/28/150	266/20/59
K3LR	156/13/40	835/26/95	698/34/119	2042/39/179	1069/29/145	215/15/44
W3LPL	290/16/50	535/26/99	668/30/107	1922/39/171	1035/28/143	316/20/65
W2PV	109/12/39	422/23/83	438/31/103	1875/38/158	1162/28/146	223/16/46
K1KI	105/13/42	465/23/88	472/31/105	1194/39/156	1135/28/141	207/18/46

contests here, 83 years young. . . . VE4RP. First contest from my new "contest OTH" in a mountain 1200m high, excellent place. See you next year. . . . ZX5J (Op. PP5JR). It has been such a pleasure to participate in such a nice contest! . . . RZ6HX. Winter came too soon. Only antennas 80 meter quad and 160 meter vert. . . . VY1JA. Incredible conditions on 160. I worked 102 countries but 101 reply to my CO! KL7, XX9, HS1, V85, ZL . . . each QSO was an intense emotion for me. Thanks to CQ WW contest. . . . IG9/IV3STAN. All operators of our MS licensed since 1996. . . . IZ1AOE. Very nice contest but very hard to work with

40W. . . . UA1ZKZ. I chose 7 MHz because I was very busy during day time. Running barefoot among the European QRM, I was almost unreadable. It was fun. . . . 9K2/YO9HP. It was very nice to meet so many friends in Lampedusa this year. Tks to Antonello, IT9EQO, for the spare diodes I needed after my amp broke on Friday afternoon. . . . IG9/IT9GSF. A real rest on character, poor bands, but great team spirit. Better antennas on the low bands next year! . . . ZM2K. We did enjoy the contest from the beginning, but during the contest the boom of the 20 meter beam broke so we lost a lot of time to take it down. . . . PI4CC.



The WD6DJY contest gang standing on their snow-covered mountaintop.

TEAM CONTESTING

1. **Neiger's Tigers:** 42,137,267. By 9Y4H (Opr. K6NA), EA8AH (Opr. OH1RY), P40W (Opr. W2GD), P40E (Opr. CT1BOH), ZD8Z (Opr. N6TJ).
2. **Team Nippon:** 19,645,052. By JH7PKU, FG5BG (Opr. JF2DQJ), V85HG (Opr. JO1RUR), 6Y5XX (Opr. JE3MAS), 3DA0NX (Opr. JM1CAX).
3. **Yugoslavian Contest Team #1:** 18,714,797. By YU7AV, YU7BW, YU7CB, YT1AD, 3V8BB (Opr. YT1AD).
4. **Team Handkey:** 14,955,781. By K5ZD, K1IU, KM9P, W9RE, N2IC.
5. **Contest Club Finland:** 14,799,408. By 8R1K (Opr. OH0XX), CT3/OH6LI, OH0MM (Opr. OH2MM), OH1EH, OI6YF.
6. **Team Bravo:** 7,525,868. By YB9BV (Opr. AA7VB), N6BV, IT9BLB, AI7B, KB1GW.
7. **Team Slovenia:** 6,152,488. By S50A, S51FA, S59L.
8. **Team Commonwealth:** 4,070,445. By GW4BLE, GW0GEI, 8P6CV, VP2E (Opr. WB5CRG), G3WGN.
9. **Minolta-Ukraine:** 3,934,620. By UT4UZ, UX1UA, UX4UA, UX4UM.
10. **Over the Hill Gang:** 2,394,850. By W9KDX, K9BG, K9RN, AA9LX, N9ITX/7.
11. **Honk If You Love Contesting:** 1,530,430. By WA4ZX, AA1EY.
12. **French CQ Gang:** 1,418,268. By TM6Z (Opr. F6JSZ), F5NBX, F5BSB, F6EEM, F5SJP.
13. **Yugoslavian 14 MHz Contest Team:** 1,368,696. By YT1BB, YU7BJ, YU1NR.
14. **Team Tennessee:** 1,263,312. By K0EJ, W4OGG, WA6KUI, KC4URW.
15. **Yugoslavian QRP Contest Team:** 642,788. By YU1LM, YZ1AA, YU1EA, YU1KN, YT0X.
16. **Hanging Judge Contest Team:** 589,370. By AB5SE, KG5NE, AC5BR.
17. **Yugoslavian Low Band Contest Team:** 330,834. By YU1ZZ, YZ1AU, YT0T (Opr. 4N1DXX), 4N1A (Opr. YU1UA).
18. **Number Thirteen:** 88,400. By EA1FAK, EA1FBO, EA1KK, EA1OT, EA1MK.

Japanese 75 meter phone band (3791-3805) is very crowded and many QRM. So please transmit outside of JA phone band and QSX JA frequency. On the other hand, 3747-3754, the additional new JA phone band, is not so crowded; please QSX this frequency. . . . JE1SPY. First contact on 28 MHz with North America this season. . . . JE7DOT. One-hundred watts maximum allowed for the YY category, novice. . . . YY4GLE. Unfortunately, due to terrible propagation and because we had just 100W we could not do as many QSOs as we would have liked. . . . 8Q7BT.

Heard many DX stations on 80 and 160 but 100W is tough on the low bands. . . . LP7N (Opr. LU2NI). No PC, no BBS, etc., only hands and ears. . . . SP5BB. A serious entry this time more than doubled last year's score. Conditions weren't wonderful, but added two new all-time new ones and heard but didn't work four more. . . . G3WGN. Best contest of my life. The new tower and monobanders worked like a dream. All the hard work to put them up paid off. . . . WA4ZX. I am a student and have been a ham for two years. For someone getting to the hobby, now is a great time because there is only one way to go and that is up! . . . VE2SKA. This is my 25th CQ WW DX Contest entry and my 1865 contest log entry overall. . . .

YU7SF. We were located on the 6th floor, about 12 square meters, only one transceiver. . . . BY5WS.

My antenna is surrounded by buildings in Tokyo. But this time, because the propagation was extremely good, it was possible to contact a lot of stations. . . . JE1BDC. Fun, fun, fun! Despite no power for solid 6 hours. . . . DU9RG. My goal is to find new ones and to give a new multiplier to many guys! . . . Z32KV. My amp is not enough for surfing in the QRM. I lost my voice at 17 hrs. Hi. Nice competition in spite of the damage. . . . F2NH. I couldn't break the 3500 QSO barrier due to lack of JA's and two day electrical storm. Thanks to LU8DPM for lending me his fine station. . . . AY7D (Opr. LU7DW).

Many thanks for this high activity contest. I caught more than 1200 QSO and worked some new countries. . . . RU6BV. Conditions were good to Africa, the Far East, and South America, but could not hear any North America during the contest. . . . 4X1VF. I still need something better for 80 and 160. The M6O call helped but not as much as I as expected. . . . M6O (Opr. G4OJH). I had to fight to break into the incestuous triangle: USA-EU-CAR-JA to get QSOs. On many occasions, I could not break through! . . . VK8AV. Just starting the contest, one tube of the amp

goes QRT! But all is not negative, 500W instead of 1000 makes much more quiet TV, radio, telephone, and XYL! . . . EA3ALV.

I found 10 meters open all day here and on the second day even into the night! . . . EA6ZY. My first contest ever. I have been a ham for 6 years. I did not know they were so much fun. . . . VE9BL. It was unbelievable to work XX9X, VS6WO, and YB9BV on 10 meters. The 'best of the best' happened on 15 meters. I still do not know how I broke the NH2C huge pileup running only 100W and 3-el Yagi. Incredible! It was sure one of the best DX's since I became a ham! I can't wait for next year. . . . CT1EAT. I really enjoyed this year's contest. At times the QRM was high, but overall I loved every minute of the contest. . . . ZS6H.

Thanks to LA7SL for QTH and hospitality. . . . LA9VDA. To just be present and distributing points is a pleasure, too! . . . DL8WCM. During the contest we made 404 QSOs, but unfortunately we lost 293 QSOs because of computer failure. The rest we send as a check log. . . . 4N7Z. Very enjoyed working ED9EA and OD5NJ on 1.8. This a new one! But no copy NA. Sri QRN. . . . UT1ZZ. My time limited this year, but definitely one of the most enjoyable CQ WW's yet! . . . VK2ARJ (ex-VK1RJ, P29RJ, VK9RY). Tried 40 meters for first time. Ground-mounted trapped vertical does not make the big signal. I'll be back next year with a better antenna. . . . VE3ZD.

We had a great time! Conditions on 15 better than 20 meters. The 2-el 4-10 meter quad was finished just days before the contest. . . . VK6LW. Operated in the same area as 4F5CM. We both were single band entries. Tried to get locals interested in a club entry but no go. . . . 4F5MW (Opr. WD5AAH). I am a contest man. My second hobby is collecting pins/badges on amateur radio. . . . UR8V (Opr. UX2VZ). I had a lot of fun as usual. I think I'm addicted to this crazy sport! 73's to all my friends. . . . VK5GN. Never worked so many new countries on 10 meters in a weekend before, let alone at the bottom of the sunspot cycle with low power and just a vertical. . . . ZD8DEZ.

Amazing how many stations called me by name. So I have lots of friends or N6TR is really popular in Russia! . . . OH1NOA. I could spend the whole time with the contest because I went dancing! My age is 76 and this was my 410th contest. . . . VK2APK. Many thanks to LW8DXJ for your station. Without his help I cannot make this contest. . . . LW2DBM. Operated from the world's largest geothermal plant at Ormoc, Philippines. . . . 4F5CM (Opr. KK5CM). Low power on 80 meters means you cannot CQ! But even with my inverted-L, I managed to work about 60 countries. . . . SV1DET. Conditions raised again for the contest. Even 10 meters was well open to Far East. . . . OH6YF.

I could only work one African station, but it was great for my small antenna. WW contest is always exciting! . . . JL7PVR/1. Condex from northern Europe



Team NK7U put Oregon in everyone's log.

ZONE LEADERS SINGLE OPERATOR

Zone	Call	Score	Zone	Call	Score
1	NL7DU	124,016	21	A71CW	3,081,843
2	VE2TVU	404,982	22	VU2PAI	1,041,074
3	N7AVK	1,766,721	23	JT7AA	83,349
4	CI3EJ	5,117,408	24	VR2RX	204,294
5	K5ZD/1	3,378,064	25	JA0QNJ	2,411,442
6	4A1FEC	723,040	26	No Entry	
7	V31MX	179,760	27	DU9RG	3,726,692
8	4V2A	6,857,970	28	V85HG	5,811,663
9	P40E	10,479,765	29	VK8AV	195,447
10	OA4EI	994,432	30	VK3TZ	439,825
11	ZX5J	2,976,190	31	AH7G	4,977,736
12	CE3F	1,091,249	32	AH8A	907,326
13	LT0A	2,719,360	33	3V8BB	8,529,972
14	GI0KOW	5,787,333	34	No Entry	
15	S50A	4,206,860	35	5N0MVE	5,458,896
16	UT7EZ	4,141,984	36	ZD8Z	11,253,304
17	UN5F	589,842	37	5X4F	676,436
18	RZ9UA	637,760	38	7P8/OE2VEL	4,935,550
19	RA0FA	126,430	39	FR5DX	4,843,744
20	TA4ZM	3,238,785	40	TF7/W4WET	55,200

TOP SCORES IN VERY ACTIVE ZONES

Zone 3

N7AVK.....	1,766,721	GI0KOW.....	5,787,333
K6GX.....	1,027,650	DJ4PT.....	3,183,040
VA7A.....	933,660	GW4BLE.....	2,839,187
W7RM.....	701,590	EA3FQV.....	1,957,940
WK6V.....	685,926	DL8PC.....	1,911,420
*WA7BNM/6.....	663,300	DJ6QT.....	1,642,683
KC6ETY.....	427,682	DL2DXX.....	1,547,686
K6HNZ.....	399,008	F6HLC.....	1,467,729
W7OM.....	397,365	M6X.....	1,329,310
K7LUH.....	360,960	EA3GHQ.....	1,316,616

Zone 4

C13EJ.....	5,117,408	S50A.....	4,206,860
W9RE.....	2,553,226	YT1AD.....	3,630,844
N2IC/0.....	2,292,796	IO4LEC.....	3,333,804
WZ4F.....	1,933,920	YU7AV.....	3,151,470
W5WMU.....	1,441,350	IO6F.....	2,810,119
KB8TI.....	1,259,440	YU7BW.....	2,749,918
K5NA.....	1,151,183	OH0MM.....	2,250,675
*VE3KZ.....	1,053,290	OH1EH.....	1,921,328
C13XN.....	1,033,051	IT9STG.....	1,724,556
N5DX.....	990,192	S59ZA.....	1,610,240

Zone 5

K5ZD/1.....	3,878,064	JA0QNJ.....	2,411,442
VP9ID.....	3,479,509	JA8RWU.....	1,924,296
KM9P/4.....	3,438,505	JH7DNO.....	1,126,762
N6BV/1.....	3,113,496	JH5FXP.....	854,501
K3ZO.....	3,021,699	*JE0UXR.....	714,696
VO1MP.....	2,836,984	JI2UNR.....	547,630
K1IU.....	2,793,190	*JE3HDD.....	486,408
W3BGN.....	2,491,055	JF3CCN.....	456,240
K1RU.....	2,480,016	JF1OPL.....	439,971
KE9A/4.....	2,220,596	*JA6WFM.....	413,098

very poor, particularly for NA. Great contest as always. . . . *ES7RE*. Won't you be surprised to hear that we had no single breakdown this year? When you have to stop 3x3 hours that you realize that you are not a young boy any more. But age is wisdom they say! . . . *5N36T*. We felt that with our 100W we were QRP given the signals around on the bands. . . . *ZB2BU*.

Very nice openings to JA both Sat and Sun mornings. Not good opening stateside. Even KC1XX and others were quite weak here. Quite difficult to work zone 4 from here. . . . *OI1AF* (*Opr. OH1MDR*). Still same excitement since my first CQ WW 27 years ago! Tnx. . . . *TA2DS*. Lost my voice totally for two days due to heavy cold. Now considering buying a DVP. . . . *DK1FW*. Some hours before the contest the electrical company damaged a high-voltage transformer. Fortunately, they had a spare part so we lost only 15 minutes of contest time. Thanks to all who made this event possible. . . . *CT3BX*. Propagation was very good, but I still have problems from a high-voltage tower near my contest station. I must use other antennas for receiving. This the second WW with my call-sign and I'm very happy to make more than 15 new countries for me! . . . *YZ7ED*.

Had to work on Saturday morning and had 7 hours of mains shortage. Not really good for a contest. . . . *J28JY*. The long path to Zone 8 area was open around 12z on 15 meters. Please check JA by turning antenna to the south. . . . *JL1MUT*. I really enjoyed the LU pileup on Sunday on 10 meters. Nice to have life coming back to 10. . . . *7Z500* (*Opr. K3UOC*). First time to try a SSB contest running only 100 watts. A great challenge but tremendous fun! Maybe next I'll try QRP. . . . *EI6FR*. CQ WW is the best contest in the world. . . . *PU7TDD*. I had a tube failure two hours before the end of the contest, but I was having so much fun that I didn't care! . . . *PY1CAS*.

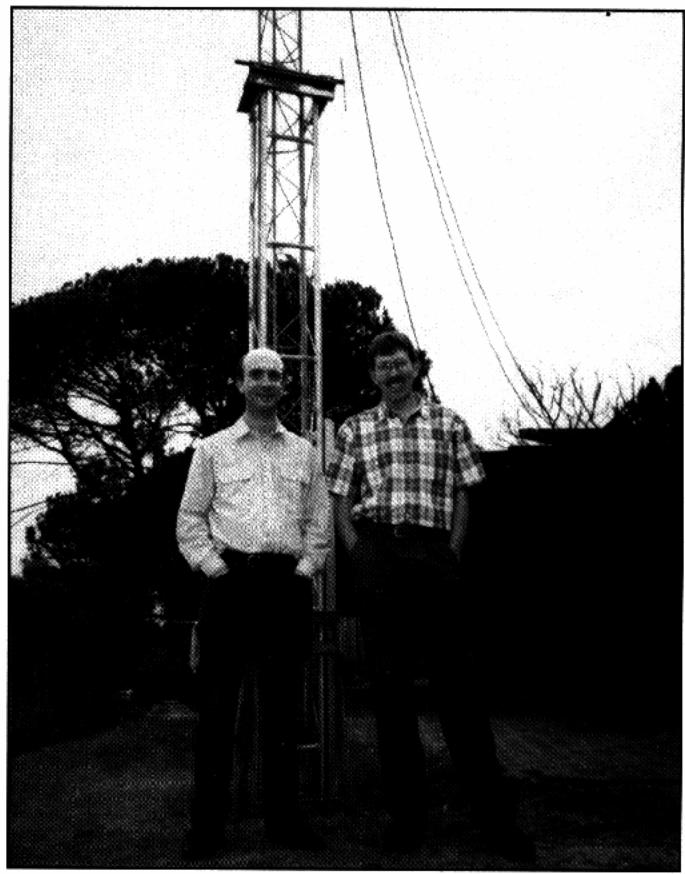
When I could not copy USA with the beam at 320 any more, there were the ZS and LU stations. I could work Europe only after their sunset. . . . *VP2VF*. I never called CQ. Only answered the calling station. I like to be in a contest this way. . . . *F6GKQ*. I got my ticket

Zone 14

GI0KOW.....	5,787,333
DJ4PT.....	3,183,040
GW4BLE.....	2,839,187
EA3FQV.....	1,957,940
DL8PC.....	1,911,420
DJ6QT.....	1,642,683
DL2DXX.....	1,547,686
F6HLC.....	1,467,729
M6X.....	1,329,310
EA3GHQ.....	1,316,616

Zone 15

S50A.....	4,206,860
YT1AD.....	3,630,844
IO4LEC.....	3,333,804
YU7AV.....	3,151,470
IO6F.....	2,810,119
YU7BW.....	2,749,918
OH0MM.....	2,250,675
OH1EH.....	1,921,328
IT9STG.....	1,724,556
S59ZA.....	1,610,240



The Eastern Hills Contest Group (left to right): VK6VZ and VK6LW.

late Nov. 95. My first CQ WW. It's been one of the highlights of my one year ham career. . . . *ON4CAS*. Rig "died" after only three QSOs! Screaming stopped after noticing the "timer button" had been accidentally depressed! . . . *G4KIV*. The PB0 calls have their license for the entire HF bands since 4 Oct. 96. There are only 300 calls at most. For me it was quite an experience to do an HF contest. Really enjoyed it. . . . *PB0ANR*. Station was aboard the Alaska State Ferry M/V Malaspina which was moored at Ketchikan, Alaska in shipyard status. . . . *KL7IWC*. I had only limited time for the contest this year, but still had great time. Very good propagation on 15 meters and on low bands. Hope to be more active in CW part (from 9A1A). . . . *9A2EU*. Murphy attacked me very early in the contest and left me with no DVK, the computer failed on several occasions, the antennas performed poorly, while the direction indicator of the rotator was not working. But this is what contesting is all about anyway! . . . *C40M* (*Opr. 5B4AFM*).

Thanks to the 5th Signals Company of the Portuguese Army in Luanda to make participation in this contest so much fun by letting me use their 10-element log periodic array. Signals from Africa CAN be loud! . . . *D25L* (*Opr. PA3DZN*). To stay competitive, and like almost ALL other participants, I had to work stations, which were listening below 7.040 MHz (including some very well known contesters, even members of the CQ WW DX Contest Committee!) If you like to disqualify me for this, please feel free to do so, as you will have to do them with almost all other participants! Something need to be done about this in next year's contest, otherwise the fun will be again much more less. Single ops can anyway just S&P due to extremely high participation of too many M/M and M/S super power stations, which occupy all available bandwidth. . . . *DF2RG*. The "tailend" of Hurricane Lily passed the south coast of EI, with gusts of 100 mph+ which wrecked our 15 meter beam and also damaged the 20 meter beam. There is now a job list as long as your arm to be completed in time for the CW leg. . . . *E17M*.

The "queen of the bands" gave me again the fun I

had! Same QSO and Zone, and some Countries more than the 1995's edition, having same rig and fun. Hoping in a rising solar activity: see you in next pileup! . . . *IT9BLB*. Top band has changed dramatically during last 10 years I have been missing from the band. European QRM is now as strong as Russians QRM I have experienced in the past above 1840 kHz. Due to the relative weakness of the DX signals on 160 meters it is a great challenge now for one to be able to pick up the DXes, if he is not having beverages and top hill countryside location. Had to QRT for 7 hours because of terrible flu. Still great fun. Congrats to the OLD MAN JIM (N6TJ) for a great win. . . . *P40E* (*Opr. CT1BOH*).

The callsign was changed from PJ9B to PJ9E to honor PJ9EE who went silent key two days before the contest. Chet was instrumental in building the contest station on Bonaire. Over the years he helped many contesters set record-breaking scores through his engineering skill, gracious hosting, and lifelong love of our hobby. . . . *PJ9E* (*ex-PJ9B, PJ1B*). Strange—the entire contest passed without one single hardware failure. Let's hope things stay that way for the CW test in November. Well, we could use a bit better propagation, of course—hi. . . . *SL3ZV*.

Used the first major worldwide contest from this location mostly for monitoring of conditions and openings. Interesting findings (e.g., 10 meter openings into Caribbean at local midnight). Nearly lost the voice totally after two thirds of the contest (never SSB without CQ machine again). Despite the good condx on 15 and 10 the 20 meter band was nearly dead the first day. Next goal: Good antennas for 400, 160. . . . *YB1AQS*.

USA QRM

I moved back to New Hampshire from Kansas. This contest allowed me to learn the ways of propagation from NH. I also learned the weakness and strengths of my station. Lots of fun. . . . *WQ1H*. Loved it! Worked J3A on five bands. Enjoyed Europe and Africa on 40. . . . *KD4CDB*. Thanks to VE/Canada for making this

score possible. . . . K1ZM. Great contest! Nice to have 15 meters back, but did miss the polar path to Asia. . . . A12C/4. Thanks to N5NMX for the use of his station. . . . KB5ZFO. WD6DJY operated from Frazier Mt, California at 8800 asl. Our last contact was with VK4UA on 15 meters: "VK4UA qsl 5930 you are 5903 . . . It's snowing up here! (Maria, KC6ABM). . . I don't believe you (VK4UA)! We'll send you a QSL card that proves it! . . . WD6DJY.

Thanks to K0KE for using his station. How many others endured the brain damage to do 40 meter QRP? . . . W0KEA. First contest in over ten years. My, how the country prefixes have changed. . . . K6SE. The 15 meter beam I wrote up for CQ worked great! Thrill working FK5DX and VR6MW with it. . . . NZ5A. I had a good time working the 32 countries which I was able to hear on 28 MHz. At least I beat last year's score. . . . KC3PZ. This is my second CQ WW SSB. With 50 watts and 2-el X-beam fixed-pointed east in a town house attic, or a metal chimney liner loaded as a vertical, SSB DX takes more patience than CW. Exciting to catch CY0 on SSB. . . . N3UMA.

QRP, a local S-9 noise level, and the worst propagation of cycle 22 made for a memorable weekend! . . . W8QZA/6. KF4LBD got a chance to see what contesting is all about. Think we can expect him to upgrade soon and get into these frays. . . . K4UK. IR4T telling me that I had the strongest signal he'd ever heard from California on 40 meters. . . . K6GX. Glad I didn't quit on Saturday because of poor conditions. This was my first CQ WW SSB, but not my last. Hope to make a much better next year. . . . NR0X. I believe this to be my first ever entry into the CQ WW and my first somewhat serious contest participation in years. I learned a lot and hope to be back again next year. . . . K1TW. Finally working 9Y4H through the pileup for a new one. . . . WA2OCG.

What an excuse to get the non-ham OM to do the laundry. It was fun. . . . AA9TB (YL). We got our G5RV up to 25 feet this year instead of last year's 15 feet. So the good lord willing and the creek don't rise, we

will see ya'll next year at the Lo End of the MS scores. . . . W4TMN. This was my first contest ever entered. I declare that I had immense amount of fun and excitement even though 10 meters was open only for a few hours during the contest. I'm hooked and will return! . . . N3WUE. Thanks to LU's for mults and points especially on 10 meters! . . . W0MHK/1.

Working DU9RG after chasing for years with a vertical. . . . N4TJ. Worked 12 new countries to bring my total up to 89 for this year. I can't imagine how easy it will be to work them when the sunspots cooperate. . . . KF9YR. Finding 10 meters open and working VR6! . . . W7HUY. At age 80 it was difficult working with low power on a ground-mounted vertical antenna. . . . W2FGY. We all had a great time breaking in all the new antennas here. Never did get any decent runs going no matter how much we called. Can't wait till the cycle comes up again. . . . N2GQS. My thanks to all the DX community when they give a clear frequency when the DX station comes back to a pip-squeak station like mine. . . . WJ2R.

Thanks to everyone for being in such a great contest. I lost 2 hours Saturday morning due to rain static but made up for it Sunday. Fifty percent of my contacts were with Europe. . . . K4JYO. I miss those things called sunspots. Twenty meters barely open past sunset. . . . KC6X. Used beam and antenna that used to belong to the Hammarlund Co. for DXpeditions. . . . WD4CNZ. I had a blast! My first contest as a Tech plus. I sure was glad 10 meters was open. . . . WB9WFR. Wow! I had fun again but can't believe I forgot to log a W on 4 out of 5 bands! . . . K1DWQ.

I made a decision not to operate "full time. I think I made a mistake. Fifteen meters was like the "old days"—wide open. . . . KJ0B. My first CQ WW. I worked 11 new countries and enjoyed the challenge. . . . KQ6ES. I am 15 years old; this was my first CQ WW. You have a great contest going. I am already planning for next year. . . . AA8UP. Eighty meters not as good here as last year but still solid for QRP work. . . . WA2ASQ. Great turnout but many could not copy

many peanut whistle. CQ WW is still the best of the tests. Continue the good work. Next year back to 15p—Hooray! . . . N4MO.

Thirty-six days without a sunspot reminds me just how far away the other side of the world is! . . . KF0IA. As usual this is *The Contest*. Had fun even though 10 was gone, gone, gone! . . . K7ABV. Despite marginal conditions, I was able to beat last year's score, add four new countries on 160, and have a great time. . . . W5CWQ. This test is fun! Wish I had more time, but taking care of grandchildren makes for no time for contesting, but was fun. . . . NW8F. Tower collapsed two weeks before test forcing single band 89. Was great to get some sleep for a change. Where were the Africans? . . . N6AR/4. Getting into eastern Europe with 5 watts SSB was great. QRM on 20 was very bad. . . . N4EUK.

First time on west coast, first time on 40 meters. Different! . . . W6UDX. My first contest. Learned how it works. Really enjoyed it. Will be back for more. . . . KB2WZY. My first contest in 20 years and had a great time. Goal was to work 100 countries and I just made it. . . . WD0E. Conditions at the start of the contest got me excited about getting my new beam on line to improve the operation over the dipoles. So I spent Saturday, in the rain, getting the antenna up. On Sunday I hit a nice opening to LU on 10 meters with the beam. That was the farthest I have ever talked on 10 meters in my brief ham career. . . . KE4OAR. Great contest. My first CQ WW. KC5WEG is a 17 year old who made his first HF contact just minutes before the test. . . . AC5CT.

How did you get 20 open almost all day, and 15 and 10 for a good part of the day? Glad I became active for this. . . . W1EWN. JA runs were disappointing. Too many DX stations not willing to listen up due to QRM in US portion of the band. Heard 15 countries that never seemed to listen up! MUF too low for the NW this year! . . . AI7B. I was surprised to work much of anything with this antenna. I think it is more of a tribute to the other ops. Best moment was hav-

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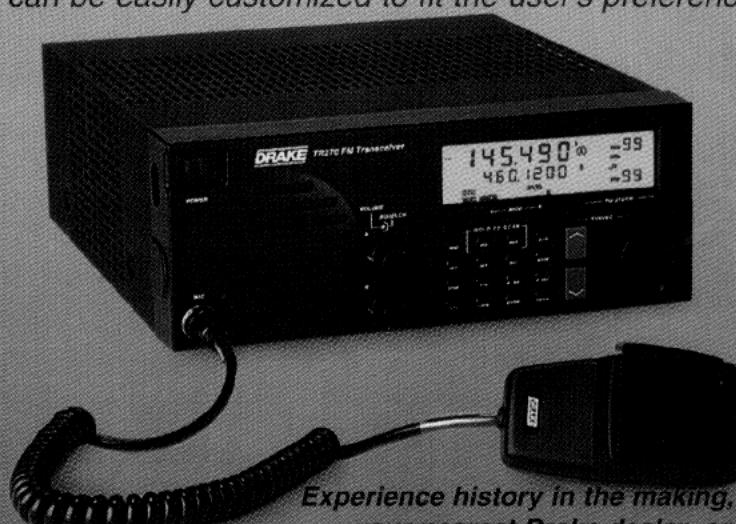
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ing TM2Y saying "Hi Bill." Second best was working WP2AHW on 80 meters on the first call. . . AA4LR. Would have been low-power except I wanted D25L from Angola too badly and switched on the amplifier. Actually, 'Toon the Cat worked him by walking up to the desk mic and meowing loud enough to trip the VOX. Since he synched up with the [huge] pile-up he got to work a few rounds until I think the DX operator heard "MEO-OW!" and paused long enough for me to slip in my call and get in his log. Score a New One for the cat. . . KJ7QT.

Had over 8 hours of sleep and my best rate ever in a DX contest. Could these be related?! Special thanks to K1AR's new employer for keeping him otherwise occupied during the weekend. . . K5ZD/1. Conditions were better than I expected at a sunspot minimum, with my all-time highest domestic one-hour rate of 191/hour on 15 meters. I made a really dumb mistake the second day, staying on the 40 meter vertical for about 2.5 hours instead of the 15 meter stack. I wondered why people kept trying to steal the frequency! . . N6BV/1.

Station Operators Multi-Op Single Transmitter

3DABDX: ZS6WPX, ZS6BRZ, WJ20 3E1DX: HP1XHV, DL8RBR, DL5RBW, HP1BLM. **4M5X:** YV5JD, YV5FD, YV5I0J, YV5JCN, YV5LMW, YV5MHX, YV5RW, WM2C. **4N7Z:** 4N7TA, YT7XT, Struhos, Forgac, A. Lomen, I. Lomen, 5B4ES: Pateras, Loannides, Roussos. **8P92:** K4FJ, K3KG, K16M, W9A1, W2NA. **8Q7BT:** EA3BT, EA3AOK, 9A1CFZ: Tuna, Marko, Miro, Fantaz, Nikola, 9A1CHP: Mark, Hre, Alen, 9K2RA: 9K2RA, 9K2NM, 9K2LL. **AA8YX & KG0ZI:** KB0JUE. **A1AKY & N1UVA:** KE1GF, AC5CT & KC5WEG, AC5HF & N5MTS, AC8CI & RA0FC, AD4TG & K4HW, WA4EMU, WA4VQD, AA4FC, WA4HDS, AF4Z, KA0YSS, K9ES, K9YWY, 14FY, **BY1BY:** BZ1WV, BZ1LDH, BZ1PJ, BZ1WY, **BY4BZB:** BA4AA, BG4FJ, BZ4DFD, **BY4RSA:** 3A4FC, BD4RF, BD4RX, BD4RD, BZ4RD, BD4RW, **BY4SZ:** BZ4SA, BZ4SCK, **BY5WS:** Z. Zheng, W. Zhang, H. Wu, R. Cao.

C31D & C31L, FA3NY: C6A6DQ & AC8W, C6A5VQ: C6EBPE, C6RSRHS, C55TZK, C55VMD. **C31A:** CT1DXQ, CT1ESQ, CT1FC, CT2FUN, CT2GDF, **C31L-C32FUR:** CT1DSJ, CT1EGF, **CT3BX & DK1BT:** DK3WW, DK7YY, DL3DXX, DL78Y, DL7UBA. **CT8T:** CT1AOZ, CT1DVW, CT1EEB, CT1ESV. **CV1T:** CTXTM, CX2TG, CX2L, CX1TG, CX6TG, CX5TH, CX3TG, CX7TG, CX5TG, CX2TG. **DF0AT:** DF6QW, DF6QV, D8CJR, DL9NC, **DF6HO:** DL1AUZ, DL3O1, DL5ANT, DL5AXX, DL5MX, DL5YY, DL7VOA. **DF3CB & DL1MFL:** DJ2YA & DK1TR. **DKBMM:** DJ7IK, DJ8WL, DK9I, **DK4UN & DK4UN:** DM8KU & DF4SA. **DL0BB1:** DK1-QH, DL9YED, DL5QEY, DH4XBF, DL6YDF, **DL0MBG:** DL8AYI, DL8AKA, DL1AOQ, **DL0NB:** DL4RCM, DL9RCD, DL6UWA, DJ7CN, DL2JNF, DH5NB, DL7RAJ, **DL0TD:** DG2FFF, DH4FBP, DK7WJ, DH5IAF, DL1FOT, DL1FDV, DL2FZN, DL2BN, DL4FM, DL4VB, DL8AUAU, DL80BZC, **DL0UM:** DF3Z, DH3FBX, DK7ZH, DK7Z, DL1ZBZ, DL2FJ, DL4FDT, DL7AOU, DL9FCL.

DX1CW: DY3CV, DU1QJV, DU1KHB, DU3MJU, 4F1FZE, 4F3GDX, 4F1FZ, DU1COP, 4F1ARC, **EA1BFZ & DA1ACP:** EA1F, EA1EF, EA1BOP, EC1CZB, **EA1CCM & EA1II:** EA1FBU, EA1FDG, **EA1COZ & EA1EAG:** EA1AS, **EA1EY & EA1DZW:** EA1CUB, EA1BXW, **EA3MM:** EA3AM, EA3AW, EA3AW, EA3FW, EA3GEP, EA3GGO, EA3DEG, EA3RK: EA3BOW, EA3BOX, EA3DQG, EA3EJO, **EA4URE:** EA4BPJ, EA4B, EA4COT, EA4CEZ, EA4AF, EA4FA, EA4CT, EA4ET, EA4KA, EA4TK, EA4AJL, EA4CJA, EA4EKR, EA4EPJ, **EA5BY & EA5BX:** EA5EU, EA5FU, EA5GR, EA5KW, EA5SM, EA5XC, **EA5DFV & EC5DF:** FA5FI, EA8ZS & EA1AK, EA3DU, EA4DX, EA4KR, **EC3CTS & EC3AJU:** ED1BD: EA1BD, EA1EDF, EA1ATO, **ED1WWE:** EA1FFH, EA1FAV, EA1FDI, EA1EZV, EA1CJU, EA1CR, EA1CFD, EA1EPD, **ED2WW:** EA2C2G, EA2A2U, EA2CM, EA2CHL.

ED3DX: EA3DX, EA3SD, EA3AMK, EA3AML, EA3ANM, EA3AVH, EA3AVP, **ED6AMR:** EA6YP, EA6ACZ, EA6MS, EC6SN, EG8RV, **ED9EA:** EA7AGW, EA7KWH, EA7KWL, EA7Q, EA9K, EA9UG, **E17M:** EI6GS, EI7DNB, EI5HB, EI4BZ, EI3DF, **E1BWT:** EW6DX, EW6GD, EW6AL, **EX9A:** EX2M, EX8M, EX8W, RU1AO, **EY20:** EY8MM, EY8CO, EY8XX, EY8RR, **F5KAC:** Club French CO Gang, **F5KAM:** F5XW, F6CBL, **F5SUL & F5OGG:** F5PSA, FB1PH, **FB4KF:** F6BNH, F6TY, F6BGC, F1UAM, **F5LTF:** F5IOA, F5GB, F5CJL, **F5JAB & N6D1U:** N6L1, TK5LF, **FK5DX & FK8GM:** FK8HC, **FY5KE:** FY5GR, FY5FY, **FOFOS:** G4UJ, G4KF, G6DBU, G6TWY, G6DTW, G6VYH, G6WIQ, M6ACP, M6AEP, M6AKC, **G6RGH:** G6DJV, G6STW, G4EYE, G4FTP, **G6WAX & G6WGA:** G4UJS & G4XUM, G1CEY, **G6B:** G63VM, G6WVH, M6AJF, G1JK, G3EUS, G4LQC, G4LWA, G4OXD, G4VXT, G4YRF, G7N8I, G8ATD, G8BEG, G8EIK.

GB2AA: G3A6GF, G3UHU, G4PWA, G4TNB, **GM6F:** GM0ADF, GM3XNU, **GU3HFN:** ZL2TT, GL4WRP, GU6EFB, GU8ITE, GU4BW, GU8SUP, GU4XSM, GU6RWD, G4HRY, **GW8GT:** GW3KYA, GW3NWS, GW4JBO, GW5WF, GW6ZUQ, GW6WPA, GW6PUH, **HB9H:** HB9CIP, PB9BLQ, HB9CZQ, HB9CAT, HB9FAP, HB9SLL, HB9FB, HB9FBG, HB9FBH, HB9FB, **HB9QD:** HB9AGC, HB9AIB, HB9ALM, HB9JHM, HB9FAQ, I2KMG, **HC8N:** N5KO, KW9KW, AG9A, VE3EJ, **HG1H:** HA1TJ, HA1DAC, HA1AR, HA1AV, HA1BN, HA1DAE, **HG3O:** HA3MN, HA3VY, HA3RG, HA3UU, **HG5C:** HA5LV, HA5MO, HA5MA, HA5WE, HA/A9DX, HA/W0YR, HA/M9NC, **HG5M:** HA5WA, HA5OF, HA5YMY, HA5BVD, HA1WF, **HJ1T & K1HJR:** K1JGS, K1LWK, K1NPP, IK1VHR, IK1YD, IK1YED, IK1YH, IK1ZUV, **I2K:** I2KHM, I2UPG, IK2SGF, IK2JCK, IK2JJ, I2GXS JR, **I2Y:** IK2PTR, IK2DIA, IK2PIH, K2UEC, K2VOS, IK2WBW, IK4MED, IK4GRF, IK2WOK, I2ACC, I2MWZ, I2ZZZ, I2WDF, I2WGL, I4V3H, IW4CTG, **IK1VCI & IK1VCA:** IK1YMK, IK1VCA, **I02A:** IK2RZP, IK2HKT, IK2AN, I2FT, IK2XRW, IK2XSL, IK2AHB, IK2DZN, IK2CIO, IK2YCN, **I02L:** I2OKW, IK2YYE, IK2HAJ, IK2AAJ, IK2ACZ, IK2PIG, IK2PFL, IK2YXP, **I05A:** 50YY, I5NSR, I5JHW, I5XFW, IK5NAW, IK5JAN,

IK5LWE, K5PWC, IK5TUX, IK5ZTW, **I07A:** IK7DXP, IK7E2P, IK7JWX, **I04A:** I4VEQ, I4IND, I4LCK, I4TJE, I4IKW, I4EAT, I4AVG, I4PVP, I4PVR, IK4EWK, IK4ECK, IK4QJH, IK4QJL, IK4MGP, IK2NCJ, I4W4ANU, **I04T:** I4KV-VR, IK4SXJ, IK4QIB, IK4TPV, IZ4AKS, I4FL, **I08X:** IK8UND, IK8HGC, **IU3V:** IK3VIA, IK3DAR, IK3IK, IK3HMD, **IU4U:** I4AUM, I4FYF, I4GAD, I4GAS, I4VOS, **I21AOE & IK1ZZF:** IK1ZZK, IZ4TAUE & IK7YTT, **JABTAK:** JK2PVL, JE0ETP, Y. Kozawa, 7M2UKH, JE2RAJ, JI7TDR, JM7SGD, JF0ES, JI0TAG, **JA12JF:** JF3SL, 7K3BAJ, 7L1FP, 7K3RZS, Nishida.

J2YKA: JP2WBC, JS2ERL, **J422JW:** JH2CMI, JH2SON, JA2MNB, JA2TBS, **J320H:** JH3PRR, J3KIV, JH4FF, JH4NMT, JF4UF, **J46L:** J4JHW, J4WYWS, **J47YA:** JE1ATM, JC1VH, JG7PSJ, J7BMF, JR0SPF, 7M1JAS, **J47YFB:** J1HBD, J1L2OGZ, JG7TVO, **J6ZB1:** J6GK7, J6BRE, JK6SEW, J6KE4Z, **JG2Z02:** JA2BY, JA2BIV, JA2AXB, JA2BHJ, JM2CCL, JQ2BBC, **JR7YCM:** JH7NPJ, **JF2P:** JF1TC, JT1CD, JT1BV, JT1BL, JT1C, **JW5VK:** LA1BJA, LA5VK, **K0B & A0BRS:** A0BEX, K4XU, W1XE, **K1GW & K1L:** W6P, **K1NG & K1LG:** K1GND, K1LNG, K1VTR, WF1B, **K1RK & K1V:** K2BW/4 & W4YDD, **K3CP & NU3L:** KU3X, KU3K, **K3MD & N3PR:** K03SF, AA3AZ, **K3WUW & NX3A:** **K4ISV & K84HU:** WA4QV, N1GL, K4UVH, KB4DMI, WB4FLB, WA4ACTA, K9VV, **K4U & K4FAL:** K5KG/2 & W3TER, **K5V7T:** W7VK, WA7LNW, NM7B, N7PN, K7WP.

K6ELX/7 & N6FR: K6XT & KN5H, A8AE, W5EX, **K8BLX & WA8ZD:** KB0WY & N0NSV, KB1H & A1ACE, K1DW, KB1U, WA1RLV, **KB150 & K150:** K83TS & N3KEG, KE3RR, **KC4ZV & K4EKEJ:** N4YO, KC7V, KV7M, **KD1MV & KD1ZY:** AA1KF, **KD8SQ & KABYNW:** KE4PUC & EA4EW, KE4FB, **K6WEH:** NGWZR, NGXAC, K6QWU, KD6ZHC, K6FDF, K6GGY, Khamly, Quijone, Jeffrey, Kevin, Jessie, Todd, **KF2ET & A2ADU:** KE2ZL, K2UU, WB2ZDK, **KG4AN:** KG4UA, KG4WD, KG4KD, **KG8ZD & KC8ABF:** KHOA: J41WSX, JE2PCY, JF1MA, **KH8/N5OLS & A4ASL:** K1BAA & Melanie, **KJ5BX & KB5KUJ:** K5KOF, K5C0BX, K5HNN, K5C05M, K5CMV, **KS4B0 & KE4WFO:** **KV1W & W1CSM:** N6RPM, **K21M & WA1HN:** NM10, KA1Z2N, **LR3Y:** LU1YU, LU1YFC, LU2YAX, LU3YBI, LU6YAR, LU6YB, LU6YAP, LU9YAO, **LU1NF:** LU1NDC, LU8NAR, LU4NAD, LU2NA, **LU1UM:** LU3UAT, LU8UAR, LU8VDP, LU9V.

LU4DQ: LW6EMI, LW6ESU, LU8DY, LU9DC, LU7EGI, **LU4HH:** LU2HQI, LU2H2M, LU3HUA, LU3HAK, LU6HPN, LU9HOA, LU9HIG, LU6HHI, LU7HVB, LU3HNE, LU3ETS, LU4HUT, **LU7LW:** LU7LW, LU7LH, LU7HE, LU2HM, LU2LZ, LU2PO, LU2TT, LU2TX, LU2UU, LU2WF, LU2WM, LU5JE, **M6A:** G4E0F, G4GVC, G4M5, G3RIR, G4T9W, GW7VHW, **M6G:** G0LRE, G0UZB, G3ZRE, G6WTO, G4WJR, G6WMT, G1AHM, G4TZR, G7VQO, G7UQO, **M5N:** G0PQB, G0ORH, G6PUB, G0TKV, G0VKT, G0XTV, G0VZF, G3NVO, G4DBL, G4RUW, G4TSH, G7WHD.

N0ZA & K0UK: KA6IZT, K0CL, **N1AU & WA1EQU:** N2GQS & A7ANX, KE2SD, W2XL, N2MCJ, **N2LB & WA1KMM:** N3RS & N3RD, **KT3:** N3WVV & N3WVA, **N5HRC & K9MK:** N5JJ & K5AAD, WASP0K, K5GA, **NC0P & WA0ETC:** WA0FLS, WD0V, WR0G, KF0H, WD0GVY, N5F & K3F: N3V, NJ3, NJ3L, **NH2C:** JG3PL, J3RVC, J3RVO, J3ERV, J3TOMD, **NK7U & W7ZRC:** N7ZB, AB7CZ, **A7TF:** **N09Z & N1HRW:** W9SZ, **NU2W & KF5FK:** K82HZ, KE2JR, KE2HG, N2UV, WA2F, **DE1A:** O1EIMS, O1E1SWZ, O1E1TKW, O1E4BKU, OM3LA, O1E2: OH1JT, OH1JL, OH2BVI, OH2BZY, OH2HE, OH2IW, OH2JA, OH2JNX, OH2KDY, OH2KVH, CH2KKK, OH2LZV, **O177:** CH6LNI, OH7LT, OHMHM, OH7WV, OH7WV, OH7KD, OH7HK, **OK1KCF:** Katy OH1-34813, OK1KZ, **OK2KVI:** Club, **OK1FW:** OK1FW, OK1DVK, **OK5W:** OK1AEZ, OK1CF, OK1WF, OK1TN, OK1KT, OK1YK, OK1KD, **OL2A:** OK2PKD, OK2HYB, OK2PEN, OK2MEN, OK2JPR, **OM2I:** OM3TA, OM1KW, OM1R, OM1W, **OM3KHM:** OM3JS, OM9ATU, OM3-0001, **OM9F:** OM7PY, OM7PA, OM7YC, **ON4UN & ON4AZ:** OM4MA, OM5UK, DJ4AX, DL1SB, **OT6K:** OM4ON, OM4ADZ, OM4AGX, OM4AFD, OM5DI, OM5SY, OM4FE, OM4AVA, OM4AVT, OM9CGB, OM1NL, Bart, OM1NL, Paul, **OT6L:** OM1AN, OM1ANK, OM1BPJ, OM1DA, OM1DC, OM1FZ, OM4AFK, OM4AHF, OM4AKL, OM4BR, OM6JZ, OM6MP, OM6NL, OM6NL, PA0QPM, NX90, VPBBPW, SWL-Jan, **OT6P:** OM4LAM, OM4TH, OM4N, OM5NO, CN5PV, OM6AH, OM6ML, OM6NL, OM6Q, OM6V, OM7PC, **OZ3W & OZ5WQ:** **OZ5BAL/P:** OZ2ELA, OZ1CHL, OZ3XO, OZ1JSH, OZ2ACO, **OZSKB:** O21E2, O29AR, OZ1GW, **PA30WD & PA0COR:** PA3AAV, PA3EKZ, **PA4CC:** PB0AIU, PA3EPD, PA3ELV, PA3BAG, PA0VH, PB0ALB, **PJ9T:** AB4JU, KU4J, K4ADK, N4OKX, K4JWV.

PR5M: PP5UB, PP5SW, PP5AM, PP5BP, PP5MM, **RK6AYN:** RN6BUP, UB4AH, RW6ACM, RV6ARU, **RK9SWF:** RA9ST, UA9FS, **RU3A:** RA3AUJ, RA3AUU, RA3DUT, RK3BX, RK3FA, RV3FF, RX3AC, RX3DX, U3ABZ, URSLCV, **RW80:** RV0AR, RU0AB, RV0AU, RA0AM, UA0AGI, UA0ANW, **RW2F:** RA2FA, RN2FA, UA2FB, UA2FF, UA2FM, UA2FX, UA2FZ, **RW6AWT:** RN6BN, UA6NP, RA6AX, UA6AJU, **RW90WD:** UA90IL, RW90W, UA90LW, UA90IF, UA90IN, UA90AJU, UA90AO, UA90SV, **R23C:** RW3Q, OA3QDM, UA3DXD, RU3QW, RX3Q, RW300, UA4WVN/3, RA3QII, RA3QFB, RV3B/3, **RZ4AYT:** UA41LA, UA41Y, UA41Y, UA41COP, UA4-156-1057, **S50B:** S58M, S510N, S57MAD, **S52ZW & S58A3:** S58A, **S53KSN:** SM3RPK, SM3SGP, SM3UDH, SM3S05, **SK4AO:** SM4FEL, SM4RMH, SM4ATJ, SM4KSM, **SM6RZ:** SM6RZ, SM6SF, SM6TKT, SM6II, SM6WBU, SM6T2D.

S3ZV: SM3BDZ, SM3CER, SM3DMP, SM3JLA, SM3OJ, SM3PXD, **SM4PZ & SM4AI0:** SN2B: SP2FAX, SP3RBI, SP3RBR, SP3NR, **SN6F:** SP8AZT, SP6ECA, SP6FVF, SP6DVS, SP6DLS, **SN6U:** SP6GNV, SP6OPE, **SP5ZCC:** SP5UAF, UR5WHT, 325AA, S05BP, S05BP, S05EBM, S05EBJ, S05GRJ, **SP9KAO:** SP9IEK, SP9LAS, S09AQZ, SP60, **SP9KJU:** Club, SP9ADU, SP9DH, SP9ZW, **SV1FA:** SV1CDN, SV1CIB, SV1CIF, SV1DPJ, SV1UJ, SV1CQJ, SV1CQR, SV1CIE, SV1DPE, SV1CQG, **SV1DKR & SV1EY:** T88T: N5OK, N5CG, **TM1C:** F1HAR, F4AKS, F5HRY, F5MZ, F5LND, F6CTT, F6FVY, **TM2DX:** F6IFR, F6GWY, F6HMQ, **TM2FM:** F6JHL, F6RGD, F6DPU, F5NGO, **TM2F:** F5PTE, F5SHI, F5PP, F5NOD, F5PYI, F6JXK, F5JKH, **TM2X:** F5RXL, F6IR, F5OZ, F2VX, **TM2Y:** F6BEE, F6AFC, F6FZ, F5LY, F5SNJ, F5VCO, **UN8FB:** UN9FD, UN7FB, UN9FB, UN9F, UN7FK.

UR4EYN: US-E-699, US-E-600, US-E-655, UR4EN, **UR4MWU:** UR5MB, UR4MT, UR5MF, US5MPS, **UT4UWC:** Bachmah, Vozonkaw,

Basilevich. **UT7L:** UR4LQA, UR4LRG, UR4LRQ, JR4LSB, UR4LTX, LS4LGW. **UT7W:** UT1WL, UT7WZ, UR5WAN, UR5WCW. **U5UJ:** UJ1UA, UU2JQ, UU2JZ, UU3JD, UU5JR, UU9JN, UU0JX. **VAA3K&V:** VA3MW, VA3WTO, VA3RTW, VA3JAK, VE3XKB, VA3TWF. **VE2UCO:** VA2MRX, VE2JTX. **VE3DC:** VE3SS, VE3CYO, VE3OCY, VE3MVO, VE3NYX, VE3FRO. **VE5SF & VE5FCPU:** VE5MXM, VE5CZY, VE5RC, VE5SSH. **VE6FI:** Club. **VE6JY & VE6BF:** VE6LDX, VE6FR, VE6SLV, VE6LCB, VE6DG. **VE6SV & VE6VW:** VE6GAS, VE6FX, VO1CV. **VK1DX:** VK1FP, VK1PJ. **VK4MZ & VK4EMM:** VK4TPW. **VK4XY & VK4UW:** VK4GAN. **VKGAN:** VK6APK, VK6NU, VK6FJA, VK6ATA, VK62DW, VK6YE1, VK6EH. **VKG6LW & VK6VZ:** VK6APH. **VP5DX:** K4UTE, NF4L, NOA4, W3ZN4, N4KE, AB4UF.

V8SW0 & **91Y1C**, **VR2NR**, **VR2GO**, **VY2CR**: VY2SA, VY2GJ,
VY2R0B, VY2GWM, VY2RB, **W1BK** & **W1NR**, K1TXH, **W1FY**: W1EQW,
N1L0O, N1JFO, K1TKT, WN1A, KE1BG, N1BFG, N1XCY, AA1Z,
N1SMS, N1XAN, N1MCG, W1TR, K1A1H, N1FXC, N1DGT, N1ECL,
W4ATC: KX4GN, N30YE4, KT4LD, **W4NC**: NV4HK, WB4KDN, NOKTY,
KD4RBG, KE4TES, KE4JCY, KT4KV, **W4PR0** & **K04MR**, WD0CNO,
W4TMM & **K4MU**: KA4GFG, KE4GWV, W3WFF, **W5HTN**: N5HEL,
KA0RNY, KM5DH, KA7GLA, N2MNC, KC5TEZ, **W5FKF** & **K5TSQ**,
N5KA, K5TR, **W6EEN** & **K6XC**, K17WX, W6R0D, **W9JZ**: K3IM,
WB9NOV, KE9ET, KF9AF, N9CIN, N9CKC, K9VKA, NG9V, AA9OC,
WA8PUJ & **KC02C**, WB8O, **WA2SYN** & **WM2V**, KS2G, N2LSK,
KA2GWM, WA2NYY, **WA2VUY** & **N02R**, **WB6DDY**: AE6P, AB6FG,
AC6RF, AC6TO, K6BF, K6CABW, K6CMOL, K6EQYI, KD6VWY, K6MAB,
K6DMB, K6GKX, N6JFO, NB6VWB, N6YSU, WAB6LS, WJ1F, AB6GH,
AB6RD, KC6AAO, KC6ACI, KC6BCV, KC6URG, KK3QY, KNEGB,
N6YTB, N6YTA.

WV1M & **WS1Y**, **WX9B** & **WSGN**, **WASYON**, **WXBM** & **WB6YRN**, **NU6UQ**, **XE2D** & **K7LXC**, **WAZTMB**, **KNBDW**, **KERVMW**, **XRBS**, **XQ8ABF**, **CE8SGF**, **CE8DGO**, **XY1U**: **J4RBRUZ**, **JACCDG**, **JP1TRJ**, **UZTIC**: **Uztrics**, **Legzdzins**, **Y09KPD**: **Y09JF**, **Y09BVG**, **YU1L**: **Club**, **Z37FC**: **Club**: **ZB2BZ**: **ZB2CZ**, **ZB2IB**, **ZB2IF**, **ZP0R**: **ZP5XF**, **ZP5VAY**, **ZP5AZL**, **ZP5CGL**, **ZP5XHM**, **ZP5WBM**, **JAY7AC**, **ZP6VT**, **ZSSNK**: **Daniel**, **Gary**, **Edwin**, **ZW8B**: **PS8ET**, **PS8PY**, **PS8DX**, **PS8CW**, **PS8NF**, **ZX0F**: **PY5EG**, **PY5CC**, **N5FA**, **PY0V**, **ZZ2E**: **PY2EK**, **PY2BW**, **PY2RO**.

Station Operators Multi-Op Multi-Transmitter

9A1A: WA4IMC, 9A5W, 9A9A, 9A2DQ, 9A3NR, 9A40M, S51D, 9A3SC,
9A2R, 9A3ZA. **9A8BOS:** 9A1AA, 9A2DG, 9A2DI, 9A20M, 9A2CY,
9A2VR, 9A2IN, 9A2IR, 9A4LA, 9A3QG, 9A2UQ, 9A2Nv, 9A5I, 9A2LX,
9A3QJ. **AA1AS & KY1H:** K1MBO, WA1ZAM, NT2X, AA2MF, AB2AS,
W1JR, AA4MC, WM1K, AB2AP, WT2O. **C01A:** CT14SU, CT1ERY,
CT1EXC, CT1FBQ, CT1GFJ, CT1GFK, **CYBXX:** WA4DAN, AA4NC,
VK2BEE, V73C, AH9B. **DFDXB:** DK3DM, DF8AE, DK4DT, DL1YD,
DL1QQ, DK5QN, DL1YAW, DF8XC, DL8YEY, DL6QK, DL3YEY, DJ2OV,
DB50U, DG4YDR, DL9YQ. **DF30G & DL1DCA:** DL5DLX, **DK5EZ &**
DK4TP: DK8EY, DL4EBA, EA3EJ, **EA3FP:** EA3AY, EA3AIR,
EA3AJM, EA3C3N, EA3CKX, EA3EJJ, EA3EJS, EA3EZD, EA3KU,
EA3UJ. **ED7Vg:** EA7JB, EA7EH, EC7AD, EC7AHN, **EM2:** UT2IA,
UT2IO, UT2IG, UT2IJ, UT2IM, UT2IO, UT2IS, UT2IV, UT2IW, UT2IW,
UT2IV, UT2IX, UX8IX, US2IR, US2IZ, US1-602, US1-700.

GM6W: GM3W0J, GM4YX1, GM4AFF, GM4CXM, GM4TX7,
GM4BAP, GM4CXM, GM4IGS, **HBB/HB9AON:** DF1JC, DL8DAW,
DL8EAW, DJ2YE, HB9CRV. **HC8E:** HC1HC, HC1PF, HC1JQ, HC1HN,
HC1GZ, HC1BL, HC1DZ, HC1MW, HC1CN, HC1NS, HC1NG, HC1JS,
HC1JEV, HC1H, HC6XK, HC4MZ, HC2DZ, OC6C6, CM2SD. **HS1AZ:**
AB6BH, KL7Y, N6AA, N6ZZ, DH2KL, W6MKB, W6XD, **IK3SSJ & IK3STG:**
IK3NLK, IK2DR, **IR3O:** IK3ORD, IK3OII. **J3A:** W8KKF,
WB8GEX, WA8LOW, W91XX, N9NS, IV3NVH, WZ8D, WA8NJR,
IV3TVM. **JAY1D:** JH0HNZ, JT7TFK, JP1CWU, JG3AXP, QJ2NNJ,
JE0BKJ, 7-1ETP, 7K2BLP, JA9YDV, KJ3GAD, NM3NL, JP1GL,
JH0FLE, JK2XXK, JU2YK, JI1JHU, JQ1BRW, JL7MYL, Mizuno.
JAY3KC: JP2ZBE, JH3RHQ, JL3HEY, JO3PDP, JO3UGI, JP3ZPD,
JP3SMB, JS0SOGO, JG4LSR, JL4CWB, JL6BMJ, JP6RBN, JO6CUT.
JAY7TR: JA7FCY, JA7JUD, JA7LBY, JA7MSQ, JA7OZW, JH7VHZ,
JH7XVM, JR7LVA, JJ7EKH, JJ7XGF, QJ1NBV.

JAYAKA, JG2KKG, JH9KVJ, NJ20CV, JM2FCJ, JE9ACV, JO2HDS.
JH5ZS: JA5BJC, JA5FDJ, JA5JC, JA5THU, JH5RXS, JR5JA0,
JR5VHU. **JO1YA** JA1ATK, JA1OYJ, JA1PEJ, JA1QJK, JH1AEP,
JH1AZO, JR1WVNL, JT1XC, JM1NKT **K1GW** & K1AT, W6PH, **K1KJ**
& K1CC, KA1TAF, K1PI, KF2XK, KM1P, KTI, W2ED, **K3AN** & N3RCA,
NY3C, NMU7I, W3H, N2KJM, N2BIM, WB6OKK, NJ3YX, K3TZJ, **K3II**
& N3BDA, WB3ESS, **K3LR** & N3RA, N3BJ, N9RV, K6GL, KG6GO,
N9HZQ, K3DR, WB8VJ, N8SW, K8CX, NDLB, **K7FR** & W7WMO, N7AU,
KX7R, **KD1XX** & KM3T, KCF1, AD1C, W1ZR, K1DG, KB1AWE, K1EA,
A1ND, PL1JT, **K6LF** & WA6QDF, **K59K** & KA9FOX, K9GS, K9PW,
NB9C, N9AU, WB9TIY/W9RM, WE9V, **KY3N** & W3FV, WB3FIZ,
K3WJV, K2OM, WB3LZK, X3OK, **LAI1K**: LASGIA LA5NJA, LA70JA,
LA9QJA, LA8UGA, LA3JJJA, LA8VJA, LA1BFA.

L4UFM: LUTWOF, LU1FZR, LU4FPZ, LU5FYR, LU5FYV, LU9FDG,
LU9FO, LU9FO7, A2Z8FAG, LU2FY, SM0JHE. **LY7A**: LY1EE, LY2AO,
LY2BMX, LY2BU, LY2BU2, LY2NK, LY2UF, LY3DA, LY346 LY728,
Toleikis, Jasulius. **M6T**: G4BAH, G4IFB, K1XX, G6WCW, G4VMM,
G4WFR, G3V-B, G4BUO, G4WBW, G4P10, G0AEV, G0KRL, G0AFI,
G0HSS, G7ABD, G4SWX, G4AXX, G4KNO. **N0EUL** & **K0EMF**,
K80NUY. **N2RM** & **K2AAEV**, K22S K3U4, N2AA, N2NT, N7BG, W2RQ,
KE2PF, WB2K, WM2H, KB2PDQ, N2BCG. **N4ZC** & **K2SD**, KB2LH,
AA4SQ, K4HA, K4MA, K4MQC, K4HL, K4ZA, KU4V, NV4L0, W4WN,
W4AUNZ, WD4BT, WB5M. **NGAW** & **W6BA**, W6HT, KGHMS, KEWS,
K7JYE, KC6CNV, N6NU, N7QO, NF6H. **NQ4I** & **W4N**, Z31, K04HC,
K4MZU, K4JFW, KM4HH, KF4CI, K4C1, K4TK1. **OK1PK**: OK1PK, OK1AWH,
OK1PN, OK1MK. **OL5T**: OK1RK, OK1DRN, OK1DXF, OK1HSK,
OK1AMM, OK1MLU, OK1TA, OK1VXV.

OKTAMM, OKTMMJ, OKTTVA, OKTFXX.
OTGA: DB6G, DF3TJ, DK3E, DL2GRC, DL3EBM, DL8SCJ,
O2E2EN, O9EM0N, O9NEI, O9NAFF, O9N1AWB, O9NBGJ, O9NCIM,
O9NDAL, O9N1DEK, O9N1DHU, O9N1GL, O9N1MCJ, O9N2AIM,
O9N2BDL, O9N4AJW, O9N4AML, O9N4ASB, O9N4AWH, O9N4AWU,
O9N4AWV, O9N4BAG, O9N4BAW, O9N4BBL, O9N4BCP, O9N4CDC,
O9N4CDK, O9N4DB, O9N4FG, O9N4FI, O9N4VT, O9N5CD,
O9N5DHD, O9N5G0, O9N5OT, O9N5UM, O9N6DN, O9N6HP,
O9N6HZ, O9N6MR, O9N6PU, O9N7AW, O9N7HU, O9N7NB,
O9N7Q, O9N7QZ, O9N7SF, O9N7VU, O9N7Y, O9N7ZM,
O9N9CB, O9N1481, PA3EBT, PA3E3Z, PA3GQJ, WE9WQ, Anouk, Jeaninne,

Nathalie. **PJ9E**: K82XZ, N3ED, K3EST, WA3LRO, W3UJM, N4RV, NL7GP, N7ZZ. **R3AA**: R3BWB, RA3CQ, RA3CW, RX3APM, UA3BL, UA3-170-79. **S53MN**: S54AA, S51DB, S53WW, S51OJ, SS9KW, S51ZQ, S51RJ, S51DM, S57C, S53ZD, S61RS, S51FB, SS1ZX.

T1K1: DL4MCF, DL1MAJ, D9LJ9, DK6WL, DL4MEH, TK5NN, TK5EP, DF9RX, TK5MH, TK1B1, DK4VW, DL6RAI. **V26B**: AB2E,

N3A1L, WB2P, KR2J, WA2UDT, K3MCH, KF3P, K4VJD, WT30,
WB9DH, K2NJ, KB2VIE, NR2H, NS2K, WA2ASM, WU3A, VE1RM,
VE2ZP, VE9AO, VE9DX, VE9GJ, VE9MY, VE9WH, VE9XX/**VP5**,
N2VM, WA2VYA, WB2YDQ, **WB0AH1** N0AOX, ALW9Q, N9TCF, NE9U,
N9QYC, DL1QC, **W1FJ & W1KM**, N1BB, K1XM, NB1B, K1CB, K2AJY,
WB2DND, WT10, WA1SKY, W1PH, KA1ZK, WA1GCG, **W2AX1 &**
K2LE, N2UN, YE1XT, VE1AL, NA2M, K2S3, NF2P, **W2PV**, K2TR, K2XA,
K2ONP, NO2D, K2DR, WA2SPZL, NJ1F, **W3GNQ** & W3ZZ, K3SKE.

AA6DC, WA3WJD, WR3Z, WI2T, **W3LPL** & K1HTV, K1RZ, N3AHA,
N3DS, NK3TV, K3RA, W3UR, K3ZJ, W4ZU, N5OKR, **W4IY**: WD4KXB,
KJ4VG, K04FM, WB4NFS, WB4RMJ, KC2ZHO, AE4DG, AC4XT,
KC4RMF, N8EVN, KA4RRU, AA3KX, KU3M, ND4X5, KT4SC,
W4MYA & N4EJH, AD4TS, WA4DAI, KD4JXY, WA4QDM, KS4RX,
KC4AUF, WU4G, WK4Y, WBBGAI, AD4KE, WB4VZG, KB4DI, **WH6R**
& KH6HH, KH6FM, AH6MZ, K1ER, NH4EU, NH6XO, KH5AT, NH6YK,
KH6U, KH6IR, WH6K4, KH6HKL, WHE6U, WH6XR, KH7BM, AH6HU.
WP2AHW: KO4GC, AB4NS, KD6WW, KX8N, AE4PY, AE4SJ, **XX9:**
OH1KAG, OH2BH, OH2BFV, OH2PM, OH6DO, XX9AL, XX9KC,
XX9MD, **ZM2K**: ZL2AHC, ZL2AM1, ZL2BHS, ZL2BI, ZL2BSJ, ZL2DX,
ZL2IO, ZL2IR, ZL2MF, ZL2TB, ZL2TG, ZL2TYD, ZL2UDF, ZL4SS,
ZV2EPA: PY2PA, PY2NMA, PY2ASA, PY2BW, PP5LL, PY2YW,
PY2AH, PY2AQW, PY2EWV.

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FNB-4SL	12	800ma NiCd	FNB-25M	7.2	900ma NiMh
PB25S/26S	8.4	1200ma NiCd	FNB-41M	9.6	900ma NiMh
PB-7S	7.2	1200ma NiCd	PB-13SM	7.2	1300ma NiMh

Above NiCD battery packs are warranted for 12 months from date of purchase.

Above NiMH battery packs are warranted for 6 months from date of purchase.

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CIRCLE 73 ON READER SERVICE CARD

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 boldface. (All country terminology reflects the DXCC list at the time of the contest.)

SSB RESULTS SINGLE OPERATOR NORTH AMERICA

UNITED STATES

K6ZD/1	A 3,878,064	2341	124	449	KA2JEM	28,290	146	16	53	KR4DL	108,008	219	54	130	N5RXF	57,915	181	46	89	WA7IVZ	145,860	422	33	97					
K2HFX	14 650,312	1429	36	133	K2QMF	14	334,091	330	27	114	W4IF	107,460	215	51	129	KC5RAS	57,230	193	37	81	W7HS	24,192	122	25	47				
KB2WZY	"	13,456	89	12	K2F8H	7 61,204	212	26	81	KD4LHA	95,460	224	50	122	WK5K	49,700	144	55	87	N7DD	7 288,904	762	34	100					
N1C2	"	58,240	191	28	84	W2BFW	"	37,754	160	22	64	K4ZTL	76,076	184	54	100	K15IB	16,235	80	29	56	AI7B	" 138,528	436	32	85			
W2PAU	"	15,624	80	16	56	W2A2FW	"	37,754	160	22	64	W1ENZ/4	72,900	177	40	110	NN5T	13,870	74	33	40	W7SE	" 31,509	143	26	55			
W2PAU	"	14,910	79	18	52	W2AU	"	14,910	79	18	52	N4BNW	68,679	207	32	85	KC5HWJ	9,853	75	20	39	A87HP	" 5,068	55	17	24			
W2A2ZL	"	4,715	104	12	29	N2INN	A 444,600	513	80	232	AE4MH	59,902	175	36	86	N5ZR	9,322	58	30	29	A86ZV/7	3.7 72,570	495	26	56				
*N2INN	A 444,600	513	80	232	*KB2QWO	7 378,105	475	65	208	KC4URW	50,456	153	35	49	KB7UI/5	5,106	49	20	26	KG5JH/7	" 4,134	86	13	13					
K1RU	A 2,480,016	1790	109	375	K2LUF	"	281,686	409	67	187	N4XMX	58,851	180	36	81	K6AZA/5	"				*W7YAO	A 244,518	374	79	170				
AA1ON	"	1,913,588	1635	99	329	*NA2A	"	239,133	368	58	178	K4RAW	2,948	28	17	27	K6GX	A 1,027,650	1180	98	212	*W7FP	14 142,692	353	34	107			
W1WEF	"	1,581,426	1256	111	331	*N2PKN	"	162,954	291	50	148	WA4ZNU	2,419	22	19	22	W6KV	A 685,926	804	102	216	*KC7RZ	" 45,236	181	27	59			
W6XR/1	"	1,443,444	1174	104	340	*N2JIX	"	137,600	306	39	121	W4YV	28	44,005	312	16	49	N8ATR	" 976,435	745	115	372							
K1DWO	"	799,399	758	83	278	*AA2GS	"	121,050	272	49	126	KC2KX/4	21 638,528	1313	31	145	N7II	" 25,482	104	37	56	N7LOX	" 14,365	90	30	35			
K5MA/1	"	741,572	771	87	251	*KA2CDJ	"	100,401	243	41	106	N4BP	350,300	884	29	13	K6EUM	" 179,970	349	75	139	K4T7DH	" 5,94	15	9	9			
WA1LNP	"	699,720	761	82	261	*KB2RAS	"	84,680	213	38	107	K4JOY	"	293,040	881	28	120	W6FSJ	" 173,667	29	77	142	KB8TI	A 1,259,440	1000	116	339		
KA1DWX	"	602,360	706	70	226	*WB2AYC	"	84,130	183	56	123	W4CT	"	285,208	683	29	125	W6RCL	" 197,370	344	77	138	W9LT/8	" 982,086	893	103	299		
KB1GW	"	595,161	667	77	252	*N2LQO	"	83,980	169	52	138	N4PN	14 196,848	566	33	111	KC6CEX	" 131,424	317	59	89	N8ATR	" 976,435	745	115	372			
W1KRS	"	479,520	573	58	228	*AA2TB	"	59,422	155	40	106	K4RZ	"	138,732	375	29	103	W6REC	" 196,666	347	75	139	K3JT/8	" 640,815	660	95	264		
WA3TXR/1	"	434,463	541	58	223	*W2T2	"	36,297	121	33	76	WD4CNZ	"	101,540	296	26	94	K6B6UM	" 117,733	405	34	87	W7BT	" 429,120	574	74	214		
WB6MH/1	"	420,840	542	58	212	*K2F2H	"	4,092	33	15	25	KC2KU/4	"	16,167	116	14	51	N6OU	" 117,585	230	71	124	W7BT	" 429,120	574	74	214		
W1OP	"	408,392	495	73	284	*K2F2	"	2,964	28	13	25	WB4UD3	"	12,095	74	18	41	W6OUL	"	52,029	152	49	74	AL7PTW/3	" 187,230	318	65	172	
						(Op. K1P1K)					W2UL	"	1,394	23	15	19	W6BWF0	"	46,990	224	20	54	W2BA	" 174,928	61	71	171		
WS1M	"	389,610	637	53	169	*AE2T	"	612	13	7	11	N6AR/4	3.7 119,691	422	25	92	AA6AG	"	39,964	138	42	61	W8LPH	" 137,708	292	47	125		
K1YDG	"	351,810	474	56	204	*N2OWR	28	4,455	62	8	19	WBWV/4	"	20,276	113	16	58	W6UFY	"	39,491	50	33	68	N8II	" 123,369	258	54	123	
W1WFZ	"	205,590	335	63	168	*K2MFY	14 141,700	382	26	104	K4YV	"	53,135	194	27	81	W6ISO	"	73,416	202	51	52	N8II	" 123,369	258	54	123		
K1BV	"	178,038	382	35	127	*K2BOW	"	68,112	370	21	78	KC4Y	"	49,499	179	27	72	N6C	"	70,744	178	60	88	K8II	" 314,817	392	84	219	
KA1MDG	"	144,996	293	43	129	*WB2ZMK	"	27,132	122	17	59	N4TJ	"	39,045	147	25	70	KM6WQ	"	65,436	181	54	79	N8II	" 314,817	392	84	219	
K1NYK	"	102,102	247	42	112	*K2YK	"	576	14	7	10	AC10/4	"	1,070,307	901	106	335	W6WUTY	"	2,958	34	15	14	N8W	" 107,520	289	51	117	
N1DD	"	86,535	232	36	99	*W2ZTH	7 22,659	100	19	64	K8EJ/4	"	764,286	793	101	280	W6KFV	28	7,781	126	14	17	W6KFV	" 55,860	143	46	101		
WQ1H	"	78,489	181	45	138	*W2FGY	"	11,407	72	14	47	KJ4WH	"	506,985	582	82	247	K6HNZ	"	186,620	488	34	106	W6BHUQ	" 32,445	116	34	69	
KQ1F	"	61,275	171	38	90	*K2U	"	1,394	23	15	19	WA6KU/4	"	451,560	577	83	235	K6HNZ	"	186,620	488	35	101	K8JG	" 30,420	116	23	67	
W1FM	"	60,620	164	38	132	K3ZD	A 3,021,699	1992	127	410	KR4DL	"	451,191	555	82	217	K6SE	"	126,898	355	33	101	W6BHUQ	" 32,445	116	34	69		
KX4V/1	"	58,487	158	38	135	W3BGN	A 2,495,015	1717	123	392	WR4K	"	375,092	431	80	236	KC5X	"	126,898	355	33	101	W6BHUQ	" 32,445	116	34	69		
WS1H	"	56,322	161	36	90	K4JLD/3	"	729,972	798	84	240	KR4TG	"	286,330	382	76	198	K6SE	"	21,750	120	20	48	K8GAS	" 27,438	326	36	66	
KD1NG	"	45,458	138	40	79	W3AP	"	527,960	575	88	247	KO4MM	"	244,032	360	66	182	W6BCO	7 50,561	167	38	78	K3ZJ/8	" 405,112	956	36	122		
K5FUW/1	"	24,653	100	28	61	W3AP	"	473,220	537	87	243	WA4LUK	"	240,870	411	58	159	K6SE	"	38,412	150	44	55	W8TWA	" 201,115	499	32	113	
KA1R	"	22,841	92	26	65	K3ZNV	"	439,931	520	83	224	KC4UCE	"	163,438	325	63	146	K06ES	"	9,130	115	28	27	W8UDM	" 137,970	365	29	97	
N1NYD	"	13,464	92	21	56	K3TDF	"	415,208	501	77	222	K4BL	"	145,676	292	52	127	KD8'S	"	49,200	161	37	86	K8FEP	" 21	118,503	368	25	108
K2SSM	A 14	955,260	1849	37	146	W3FGE	"	1,793,415	732	57	95	K3TDF	"	24,394	163	38	80	K8FEP	"	42,728	143	29	80	K8FEP	" 21	118,503	368	25	108
WA1T5	"	444,860	574	71	219	W3UJ	"	207,462	352	58	156	K04K4	"	48,339	148	40	83	K8FEP	"	26,602	112	39	55	N8II	" 3.7	12,042	113	15	39
WA1VSJ	"	2,091	26	19	22	W3UJ	"	207,462	352	58	156	K5OTI/4	"	9,230	55	25	40	K8FEP	"	3,900	56	9	30	N8II	" 3.7	12,042	113	15	39
WA1KRC	"	1,536	23	9	8	W3QIR	"	108,080	205	42	103	K4EUV	"	3,010	28	17	26	K8FEP	"	2,908	28	18	37	K8FEP	" 21	108,720	323	26	94
N1OFO	"	315	10	7	8	W3FTG	"	30,784	113	31	73	KT4OC	"	2,368	25	16	21	K8FEP	"	1,364	27	27	27	K8FEP	" 21	108,720	323	26	94
W1XK	21	55,170	214	18	72	K3CPZ	28	18,630	149	13	32	K4NMO	14 170,107	453	26	107	N7AVK	A 1,766,721	1760	115	248	W9RE	A 2,512,669	1607	128	435			
K1VUT	14	188,727	502	27	106	*W2DT/3	3.7	5,520	30	5	12	W4IF	"	397,365	498	100	195	W7OM	A 397,365	498	100	195	W9RE	A 2,512,669	1607	128	435		
W1MK	3.7	2,016	27	11	21	W3W3S	7 21,762	105	18	60	W4IF	"	3,492	39	11	25	W7OM	"	30										

Contest Results (from page 24)

W9IL	58,216	139	46	106	VC3ZTH	34,632	116	36	8	AFRICA	SEYCHELLES	HONG KONG											
*WA9CCQ	18,117	110	17	44	VE3DNR	"	70	4	3	4	S79MAD	14	63,375	300	21	54	VR2RX	A	204,294	1062	56	102	
*N9THK	17,388	78	29	55	VE3HX	28	3,520	55	6	16	*9L1MA	A	201,369	543	39	90	*VR96SS	21	157,182	1188	28	74	
*WB8PLK	15,288	80	28	50	VA3MM	14	769,596	1602	36	141	IG9/IT9NE	21	129,788	500	24	77	SIERRA LEONE						
*WB8OLA/9	10,350	61	27	42	VA3MG	"	739,632	1787	30	122	IG9/IT9EOO	21	507,936	1245	30	113							
*N9TUQ	5,723	49	27	32	VA3KA	7	45,738	272	17	60	IG9/K2QE1	14	1,114,578	2255	37	134	SOUTH AFRICA						
*WB8ZPK	3,904	54	15	17	VE3ZD	"	10,290	83	17	43	IG9/IT9GSF	7	1,103,021	2338	32	131	*VU2PAI	A	1,041,074	1090	90	272	
*KB9CYL	1,616	21	11	18	*VE3KZ	A	1,013,133	1094	85	278	IG9/4UFI	3	7,787,710	1764	31	124	*VU2MB	"	1,031,176	1273	93	221	
*N9QYI	1,150	19	11	14	*VA3DX	"	695,706	762	97	284	IG9/V3TAN	1.8	441,252	1203	24	102	INDIA						
*WB8WFR	1,316	47	7	18	*VE3ST	"	41,776	142	31	81	/VK4MGO	1.8	42	4	3	4	ISRAEL						
*WB8LAU	14	3,404	54	12	25	*VE3KKX	"	37,548	111	26	100	D25L	14	2,212,080	3699	37	171	*VU2PAI	A	1,041,074	1090	90	272
N2IC/8	A	2,292,796	1694	130	357	*CJ3NR	3.7	26,442	354	11	28	(Opn. VA3NR)						SIERRA LEONE					
W3GRW/B	"	453,882	556	87	212							ZS6SA	A	3,441,984	2807	104	312	ZS6HO	"	10,790	113	21	42
NA9DI	"	361,860	437	98	228	VE4RP	A	45,848	235	33	55	ZS4BS	"	19,251	81	31	62	ZS6EZ	14	87,978	315	25	68
WB8ISW	"	209,440	332	75	163	*VE4COZ	14	117,420	510	24	79	ZS4WD	"	8,710	52	23	42	ZS6P	7	512,575	1244	33	112
KOGAS	"	168,260	345	62	126	*VE6NAO	21	33,990	214	19	47	ZS6F	"	17,480	151	15	40	4X/OK1JR	21	505,417	1520	26	95
KM9R	"	153,224	378	72	142	VE6LB	1.8	3,315	115	8	7	ZS6G	14	168,740	467	30	100	4X6ZK	14	168,740	467	30	100
K09SV	"	119,688	226	56	138	*VE6JAO	A	529,023	1285	60	127	ZS6L	"	4,256	14	24	92	*4Z5FL	A	24,676	479	50	139
W00SK	"	101,442	217	49	125	*VE6ZC	"	15,960	148	26	31	ZS6M	"	186,900	2157	33	116	*4X1VF	28	176,900	541	24	92
KOJPL	"	90,585	211	55	110	*VE6BMX	21	5,966	67	13	25	ZS6N	"	186,900	2157	33	116	*4Z4T	21	865,094	2157	33	116
WA9DCB	"	80,208	205	41	103	VE7BQM	A	189,342	598	49	85	ZS6P	"	186,900	2157	33	116	(Opn. 4Z4T)					
W4ETO/0	"	75,750	186	55	95	VE7XO	"	107,210	755	53	89	ZS6Q	"	186,900	2157	33	116	SWAZILAND					
W0ML	"	71,064	186	43	98	VE7XO	"	230,957	1074	24	73	ZS6R	"	186,900	2157	33	116	JAPAN					
N9AEV	"	55,000	179	38	86	VE7XO	"	230,957	1074	24	73	ZS6S	"	186,900	2157	33	116	TUNISIA					
WB4ARDV/0	"	40,119	125	45	84	VE7XO	"	230,957	1074	24	73	ZS6T	"	186,900	2157	33	116	UGANDA					
W0RA	"	37,072	125	45	67	VE7XO	"	230,957	1074	24	73	ZS6U	"	186,900	2157	33	116	WESTERN SAHARA					
W0PPF	"	36,663	140	34	67	VE7XO	"	230,957	1074	24	73	ZS6V	"	186,900	2157	33	116	ZAMBIA					
NV3L/0	"	32,314	115	31	76	VE7XO	"	230,957	1074	24	73	ZS6W	"	186,900	2157	33	116	ZIMBABWE					
WA9CZP	"	24,905	108	25	60	VE7XO	"	230,957	1074	24	73	ZS6X	"	186,900	2157	33	116	ASIA					
KC0EI	21	20,732	107	19	52	VE7XO	"	230,957	1074	24	73	ZS6Y	"	186,900	2157	33	116	ARMENIA					
WB8UN	7	240,385	637	35	96	VE7XO	"	230,957	1074	24	73	ZS6Z	"	186,900	2157	33	116	ASIATIC TURKEY					
KV8Q	"	240,370	640	34	96	VE7XO	"	230,957	1074	24	73	ZS6AA	"	186,900	2157	33	116	ASIATIC RUSSIA					
KO9GT	3.7	6,210	60	16	29	VE7XO	"	230,957	1074	24	73	ZS6AB	"	186,900	2157	33	116	ASIATIC TURKEY					
KBCS	1.8	3,024	41	12	24	VE7XO	"	230,957	1074	24	73	ZS6AC	"	186,900	2157	33	116	ASIATIC RUSSIA					
*AC8W	A	349,431	489	74	195	VE7XO	"	230,957	1074	24	73	ZS6AD	"	186,900	2157	33	116	ASIATIC TURKEY					
*KE0UI	"	93,432	254	43	93	VE7XO	"	230,957	1074	24	73	ZS6AE	"	186,900	2157	33	116	ASIATIC RUSSIA					
*AA0TY	"	37,436	144	33	65	VE7XO	"	230,957	1074	24	73	ZS6AF	"	186,900	2157	33	116	ASIATIC TURKEY					
*WB8IOL	"	23,400	106	41	59	VE7XO	"	230,957	1074	24	73	ZS6AG	"	186,900	2157	33	116	ASIATIC RUSSIA					
*KL7/KGSEG	"	27,720	153	23	47	VE7XO	"	230,957	1074	24	73	ZS6AH	"	186,900	2157	33	116	ASIATIC TURKEY					
*KL7IWV	14	7,344	123	13	14	VE7XO	"	230,957	1074	24	73	ZS6AI	"	186,900	2157	33	116	ASIATIC RUSSIA					
ANGUILLA						GUADELOUPE	A	5,691,938	4702	101	381	J28JY	21	387,895	1137	24	91	ASIATIC TURKEY					
VP2E	14	725,648	1796	29	123	(Opn. W5AJ)						TR8IG	A	1,486,680	1633	80	232	ASIATIC TURKEY					
*VP2E						CO2KG	3.7	68,092	575	15	43	GABON						ASIATIC TURKEY					
W/B5CRG	3.7	43,416	385	11	43	*CM8DC	A	404,900	992	52	127	GHANA						ASIATIC TURKEY					
*VP2EZ	1.8	4,080	63	9	21	(Opn. W5AJ)						9G1BJ	A	1,391,250	1791	59	206	GHANA					
C6AHU	A	597,060	904	79	200	(Opn. W7FKF)						CEUTA & MELILLA						GHANA					
BAHAMAS						GUADELOUPE	A	5,691,938	4702	101	381	J52IV	14	6,959	115	22	73	CEUTA & MELILLA					
*8P9GU	A	245,688	633	56	118	(Opn. DL7V0G)						TR8IG	A	1,486,680	1633	80	232	CEUTA & MELILLA					
*8P6CV	14	36,900	184	20	55							HAITI						CEUTA & MELILLA					
BELIZE						JY5XX	A	2,261,493	2945	89	262	TU2XZ	14	172,099	523	24	89	CEUTA & MELILLA					
*V31MX	14	179,760	1013	19	65	(Opn. JE1FEC)						HAITI						CEUTA & MELILLA					
BERMUDA						JM5YX	A	2,261,493	2945	89	262	TU2XZ	14	172,099	523	24	89	CEUTA & MELILLA					
VP9ID	A	3,479,509	3909	92	299	(Opn. N2MZB)						HAIRY COAST						CEUTA & MELILLA					
BRITISH VIRGIN ISLANDS						FM5BH	3.7	205,110	964	19	87	TM6P	"	1,579,550	1588	83	267	HAIRY COAST					
*VP2VF	28	119,394	786	18	48	XE1VV	A	382,250	563	82	193	TM6P	"	1,579,550	1588	83	267	HAIRY COAST					
CANADA						*XE/W2C	A	643,245	1784	58	125	TM6P	"	1,579,550	1588	83	267	HAIRY COAST					
V01MP	A	2,836,984	2451	82	342	XE3ZL	"	268,422	877	54	83	TM6P	"	1,579,550	1588	83	267	HAIRY COAST					
VY2LI	"	600,066	1167	57	165	XE3ZL	"	115,144	750	22	52	TM6P	"	1,579,550	1588	83	267	HAIRY COAST					
VE9ZL	"	34,592	170	32	62	XE2MX	"	105,901	305	44	93	TM6P	"	1,579,550	1588	83	267	HAIRY COAST					
CG1Z2	1.8	91,803	690	14	57	*441FEC	14	723,040	960	18	33	TM6P	"	1,579,550	1588	83	267	HAIRY COAST					
						XE1L	"	346,249	1172	30	109	TM6P	"	1,579,550	1588	83	267	HAIRY COAST					
VE2AYU	A	615,204	835	66	210	*XE1AC	7	8,640	107	15	21	TM6P	"	1,579,550	1588	83	267	HAIRY COAST					
VE2TVU	"	404,982	1100	46	103	TM6P	"	660	24	6	9	TM6P	"	1,579,550	1588	83</td							

EUROPE											
ALAND ISLANDS											
OH0MM A 2,250,675 2675 226 116 409 (Opr. OH2MM)											
OH0NJ 21 53,070 150 30 115											
AUSTRIA											
OE2BZL A 101,952 332 48 144 OEM9Y " 47,950 175 40 97 (Opr. OE9SLH)											
OESBNQ 14 196,725 819 31 98 OEBSKU 7 273,156 1047 34 122 *OE1WEU 1 " 119,382 451 49 148											
AZORES											
*CU2AF 1.8 3,193 61 6 25											
BALEARIC ISLANDS											
EA6GS A 4,956 67 13 29 *EA6LP A 256,880 502 62 198 *EA6ZZ " 152,218 408 49 138 EA6JN " 65,392 304 28 94 *EA6ZY 28 5,160 91 9 26 *EC6SR 21 32,844 230 23 69											
BELARUS											
EU1FC A 360,263 777 75 238 EW2DD 3.7 13,528 164 5 33 *EW2WP A 221,970 1001 60 150 *EW8WA " 15,642 100 30 69 *EU1AF 14 2,635 76 6 25 *EW7DX 7 9,570 150 15 55 *EU4AE 1.8 9,618 229 5 37											
KAZAKHSTAN											
UN5F A 589,824 790 91 240 UN6T 21 81,906 370 25 77 *UN7FW A 82,080 431 41 114 *UN7D 14 58,194 244 28 78											
BELGIUM											
ON5JS 21 185,016 505 34 122 ON4AYM 7 300,472 1438 29 113 *ON5GQ A 907,710 1091 81 314 ON4ACAS " 246,295 602 44 173 *ON6CR " 227,896 568 54 190 *ON6FC " 55,296 480 20 88 ON4CBW " 34,444 213 28 81 *ON5CZ " 6,579 60 16 35 *ON4XG 14 41,984 302 17 65 *ON4CU " 19,006 101 22 64 *ON4AEY " 6,390 87 10 35 *ON7BJ 1.8 4,017 104 3 36											
KOREA											
*HL1CG A 142,747 270 72 137											
OGASAWARA											
*JD1BIA 21 1,848 43 9 15											
KUWAIT											
9K2HN A 1,728,520 1951 77 239 *9K2 "/>Y09HP A 151,900 562 21 77											
MACAO											
XX9KC 14 16,200 216 18 32 XX9AL A 1,333 23 11 20 XX9AJ " 352 16 11 12											
MALDIVE ISLANDS											
*807BU 21 18,228 117 17 45 (Opr. DD5BU)											
*807LS 14 18,761 115 22 51 (Opr. UD6LS)											
MONGOLIA											
JT7AA 14 83,349 469 20 61 JT1BG 3.7 4,522 100 13 21 *JT1JA 21 2,262 52 11 18 (Opr. JT1CO)											
OMAN											
*A45ZN A 130,519 735 30 85											
PAKISTAN											
*AP2N A 496,800 800 70 160 *AP2NK " 131,976 423 25 79											
QATAR											
A71CW A 3,081,843 2246 132 405 (Opr. A94LG)											
SAUDI ARABIA											
7Z500 A 661,593 1005 60 189 (Opr. K3UOC)											
TAIWAN											
BV7FF 14 56,880 489 27 53 *BV/JP1RIW 21 91,476 858 21 56											
TURKMENISTAN											
F78A 28 3,718 57 5 17 *EZ8CW A 45,475 223 25 60											
UZBEKISTAN											
*UK7F A 214,928 441 59 143 (Opr. K7MX)											
WESTERN MALAYSIA											
*9M2TO A 371,950 1079 75 140 *9M2HQ " 161,525 611 67 108 (Opr. GW3GQ)											
CZECH REPUBLIC											
OK1EP A 605,570 809 89 321 OK1AXB " 313,800 613 69 231 OK1AES 21 115,000 321 32 113 OK1FD " 113,449 363 28 105 OK2BH " 65,760 223 31 88 OK2ABU 7 14,555 166 11 60 OK2PSA 3.7 713 33 4 19											
OK1AY 1.8 64,154 834 12 67 OK1DOT " 14,310 267 7 46 *OK7DX A 329,051 826 61 220 (Opr. OK2PH)											
EUROPEAN RUSSIA											
RNBGY A 1,923,208 2147 12 443 ZB6L " 1,033,410 1226 113 377 UA6LU " 930,264 1191 106 361 UA10MX " 521,824 843 90 278 R3/WA2NZ A 423,852 1116 66 220 RA3RK " 149,640 838 75 237 UA1OZ " 249,632 642 57 212 UA6LAK " 186,052 460 61 180 RV1CC " 153,140 413 68 179 UA1BA " 68,110 309 31 108 RA3LJ " 6,210 99 10 35 R2ZHN 21 190,688 958 29 89 *ES1MM 3.7 2,146,152 350 30 58 *ES6MO 1.8 6,846 157 6 36											
FRANCE											
F6HLC A 1,467,729 1473 102 375 TM2WW " 965,872 1239 95 329 (Opr. F5RZJ)											
F8WE " 493,770 1119 63 239 FSRAB " 318,360 708 62 218 F5SLY " 305,910 553 65 205 F6FYD " 164,079 255 54 255 F5PIQ " 134,044 370 49 139 FEEM " 125,050 329 47 158 F2NH " 45,424 144 44 92 F5PHI " 17,052 129 22 62 F5NBX 21 579,790 1339 37 143 FBPTT 14 494,760 1468 34 134											
(Opr. F5GR) TM9Z " 373,579 1334 37 130 (Opr. F5VDM)											
F5SJ " 217,412 785 34 114 F6FU " 36,972 218 21 58 F6VY " 12,852 107 12 42 F6CWA 1.8 2,310 60 6 31											

*F5NZO	A	332,343	614	69	228	*DF5AN	48,205	203	32	123	IR5T	14	606,884	1563	112	173	LY2AE	82,824	386	25	94	SP9JCN	9,617	80	16	43			
*F5PCX	"	240,816	559	52	180	*DL4SKF	44,958	203	33	94	IK2WAD	"	273,162	894	34	125	LY3BX	7	154,132	1060	27	97	SP6MLF	7,577	77	16	30		
*F5PRR	"	195,624	498	50	174	*DL2KWA	38,514	259	28	03	IK0PHY	"	264,970	958	34	128	LY6K	3,7	179,170	1357	23	92	SP9ATE	14	382,165	1078	35	144	
*F6IJG	"	190,820	521	46	157	*DL8WCM	37,990	237	45	100	IK6CAC	"	138,040	736	25	94	LY2R	1,8	38,430	623	7	54	SP4KCM	"	266,631	987	31	110	
*F6GKO	"	163,494	500	42	144	*DL8ULU	33,240	277	22	98	IR4T	7	745,820	2117	36	142	LY3CJ	"	18,250	375	6	44	(Op. SP4TXI)						
*F5IYQ	"	150,689	364	52	157	*DL7VPO	27,450	200	32	90							LY3BA	A	1,027,138	1435	90	356	SP5LKM	"	106,536	360	36	102	
*F5AXP	"	139,023	423	37	134	*DJ8EW	24,970	129	33	77							LY2FN	"	425,712	866	70	266	SP3PLD	"	73,632	405	19	77	
*F6FMA	"	103,656	361	37	131	*DJ4QO	22,361	118	76	215	IU2X	3,7	165,204	1263	22	95	LY1DT	"	319,056	792	58	218	SO5AAS	"	58,212	391	29	70	
*F5POJ	"	102,557	402	41	120	*DL2GBB	20,774	130	26	68							LY2TX	"	50,370	278	32	106	SP9RCL	7	40,495	350	16	75	
*F6HMX	"	100,724	334	42	107	*DL6UAM	18,920	126	23	63	IN3QB3	"	139,874	1165	21	82	LY1FAG	"	34,380	237	32	58	SP3MGM	"	16,192	230	9	55	
*F5JRF/P	"	88,033	351	33	118	*DL3DCY	18,624	154	24	72	IV3YYK	"	132,253	949	27	94	LY2TZ	"	30,816	220	24	83	SP9HZF	"	4,688	54	15	37	
*F6DZD	"	85,280	361	35	129	*DL3YE1	17,578	93	24	70	I20ED	1,8	12,488	228	6	50	LY2PB	"	29,694	246	19	79	SP6KEP	3,7	107,702	943	20	78	
*F5PVJ	"	50,142	251	31	106	*DK5KJ	16,380	210	27	51	*IR4R	A	1,137,672	1179	109	349	LY2DD	"	10,270	118	14	51	(Op. SP-23282-OP)						
*F5RPB	"	35,392	175	28	84	*DL8UVG	16,036	105	26	50							LY3BY	"	4,346	49	16	37	SP6HEQ/p	1,8	37,824	597	8	56	
*F5ROX	"	32,592	165	32	80	*DL2AL	13,923	217	21	94							LY4AB	21	11,325	151	21	54	*SP2QCH	A	638,314	1131	79	79	
*F2RO	"	32,205	177	27	86	*DL4FDT	12,312	111	18	54							LY2XY1	"	382,044	728	72	244	SP6NIC	"	478,552	929	78	250	
*F5NYK	"	31,065	228	23	72	*DL2IA1X	11,480	113	21	49							LY2WZV	"	320,931	749	52	159	SP6MLX	"	247,296	553	61	95	
*F5PHW	"	28,141	171	26	81	*DL3HWV	9,760	72	20	60							LY3XUG	"	283,803	620	53	194	SP1MHV	"	222,992	420	67	24	
*F5KRW	"	20,475	128	20	71	*DL3SKF	8,784	71	23	38							LY0YYV	"	225,780	385	70	214	SP9HWN	"	210,451	564	64	165	
*F5DEM	"	19,415	156	16	39	*DL5SVB	8,680	84	7	62							LY3DQY	"	202,920	457	58	170	SP4FEZ	"	173,151	315	97	200	
*F5JHJ	"	14,760	121	26	64	*DL3MG	5,133	41	21	38							LY4WMG	"	199,182	302	71	190	SP5BB	"	129,574	465	49	157	
*F5BOY	"	13,386	82	26	43	*DL3HRZ	3,589	37	17	20							LY7RVY	"	183,232	471	60	164	SP1EO1	"	84,560	289	45	95	
*F6CAV	"	11,250	115	25	50	*DL9JWU	3,496	80	7	39							LY7NNU	"	160,865	329	62	203	SP2ZFT	"	78,624	366	56	100	
*F9LT	"	6,967	60	16	47	*DL6CMF	1,764	41	12	30							LY4QJM	"	126,453	57	52	131	SP7FOI	"	49,950	236	39	96	
*F8IN	"	3,210	49	12	18	*DL3VIF	1,334	31	10	19							LY7WPD	"	107,525	384	47	140	SP9BLF	"	32,928	180	21	87	
*F5NEH	"	3,078	45	16	36	*DL2MHS	720	15	8	8							LY2OU	1,8	11,750	221	6	44	SP2SCHP	"	32,250	211	35	94	
*F6AxD	"	5,684	11	9	10	*DJ5CL	165	7	5	6							LY4WM	"	102,097	310	48	145	SP3PLC	"	26,775	162	29	90	
*F5TDK	28	16,434	143	15	51	*DL7MAT	48	45	3	5							LY2PE	"	100,425	245	61	134	SP6FJ	"	22,990	100	40	70	
*FB1BJI	"	3,280	41	13	28	*DJ5MN	48	6	6	6							LY5WF	"	100,425	249	232	984	SP2ATF	"	4,186	97	15	44	
*F5PGP	21	226,366	706	32	101	*DL4RCE	28	20,925	144	19	56							LY3J1A	21	249,232	984	30	118	SP3XR	"	17,225	253	41	101
*F6CLM	"	912	22	7	13	*DL5WN	560	18	8	12							LY2WUE	"	100,033	321	49	128	SP8TDE	"	16,037	104	29	50	
*F6OYU	14	147,960	583	30	105	*DJ9ZB	21	146,740	441	29	116							LY3AVJ	"	77,75	224	49	113	SP6EI	"	10,800	132	17	58
*F5BZB	"	70,782	441	21	73	*DL2SBY	107,352	367	28	98							LY3BZ	14	423,948	1842	33	114	SP5DRE	"	10,564	139	16	60	
*F5AJG	"	5,592	119	9	33	*DL3BRA	69,384	242	28	90							LY0WHN	"	66,466	233	22	103	SP9QXN	"	9,401	104	17	62	
*TM0ZK	7	104,544	880	23	85	*DL6AG	4,320	34	21	27							LY1DNV	"	51,152	243	36	103	SP9RPW	"	9,088	57	26	45	
						*DL0VLT	6	1	1	1							LY1RQO	"	47,580	185	42	88	SP6NIG	"	7,074	54	18	36	
						*DF7YU	14	119,370	427	30	108							LY2SJ	"	45,276	230	36	96	SP7LHX	"	6,510	80	20	50
						*DL1RNW	67,032	371	20	78							LY0WRB	"	45,000	202	41	109	SP2ATF	"	4,186	97	15	44	
						*DL6AKK	19,430	198	15	52							LY1PLX	"	39,825	139	44	133	SP3BNM	"	3,462	83	23	55	
						*DJ0BX	1,288	33	8	15							LY1K8WEI	"	35,640	210	31	79	SP9KZ	"	3,402	73	15	32	
						*DA2KI	7	21,513	271	13	58							LY2URV	"	25,724	140	31	78	SP7GAQ	"	3,258	26	18	25
						*DL4VBS	13,464	130	12	56							LY1K8WEI	"	10,416	92	17	45	SP850I	"	3,024	50	11	57	
						*DL9XW	2,268	57	5	31							LY1K2VR	"	35,752	210	27	40	SP5OPE	"	1,170	19	12	18	
						*DL6NCY	651,493	810	106	348							LY1K9W	"	10,414	92	17	45	SP2QVI	"	86,058	295	28	98	
						*DL7MAE	605,172	712	107	337							LY1K0MB	"	9,734	79	19	43	SP4GK	"	1,370	20	12	20	
						*DL8UCC	567,338	603	56	263							LY1NDXD	"	5,411	102	36	52	SP5IC	"	19,648	187	18	46	
						*DL6KHW	112,033	364	44	121							LY1K4CBM	"	5,396	70	17	37	SP6UV	"	15,343	20	12	20	
						*DL4YAO	105,648	335	51	135							LY1K2RE	"	4,387	64	13	28	SP2ZKB	"	13,912	80	21	53	
						*DL4DCC	71,823	299	42	127							LY1K2EB	"	3,649	51	17	24	SP10KHS	"	130,217	454	42	155	
						*DL2ZAE	63,832	221	42	116							LY1K2PK	"	3,528	50	14	46	SP5FZN	"	26,878	248	29	60	
						*DL7SW	47,144	280	31	111							LY1K17NX	"	3,182	50	15	22	SP6JCG	"	19,648	187	18	46	
						*DL1TC	36,018	95	41	97							LY1K42HV	"	1,961	31	11	26	SP2ZPQ	"	15,343	20	12	20	
						*DJ3HJ	34,472	175	31	93							LY1K17ZOF	"	19,4										

AUSTRALIA	
VK3TJZ	A 439,285 662 84 241
VK8AV	" 195,447 322 71 156
VK1MJ	" 76,680 216 41 94
VK2APK	14 295,925 781 33 100
VK5DQ	" 3,741 33 16 27
VK8BE	" 2,900 116 12 13
VK2ARJ	A 377,862 938 47 95
VK2VM	21 113,652 509 20 77
VK1VK	14 12,360 77 20 40
BELAU	
T8/KC6DD	A 442,308 1306 54 62
BRUNEI	
V85HG	A 5,811,663 4517 132 305
(Opr. JO1RUR)	
EASTERN MALAYSIA	
9M8R	7 834,240 1798 37 128
(Opr. W7EJ)	
HAWAII	
AH7G	A 4,997,736 4584 126 243
KH6COH	14 677,435 2066 34 79
KH6FKG	7 192,558 982 24 43
KH6CC	1.8 17,860 330 9 10
HAWAII	
KH6	" 190,430 390 109
(Opr. UR5EDU)	
UX4CW	" 96,370 617 24 91
UX0KN	" 64,264 409 21 95
UR5WAL	" 32,634 208 15 59
US11	" 32,110 179 22 73
UY5ZZ	3.7 144,960 918 25 95
UO0JM	" 117,938 832 25 92
UR8V	" 66,867 603 20 73
UT20T	" 64,077 548 21 72
UX4UA	" 40,180 422 17 65
US7TJ	" 20,910 392 8 43
UT1CZ	" 18,755 311 8 47
UT1WZ	" 936 38 5 21
UX3MI	A 169,664 533 51 190
(Opr. UR3MP)	
INDONESIA	
YB1AQ3	A 3,124,018 2361 118 340
YB9BV	" 2,530,035 2185 112 293
(Opr. K7BV)	
YB5OZ	" 794,168 947 88 208
YB2UDH	7 13,041 74 26 43
YB6INU	A 338,024 511 74 158
YB7XTJ	" 20,592 112 25 47
YC9CCB	21 181,179 756 23 100
YC9WGA	" 11,434 116 14 20
YB5ZEZ	14 63,155 278 29 56
(Opr. YB5PD)	
YB0HD	" 24,648 118 23 55
YC6PUP	7 2,580 3C 9 21
NEW ZEALAND	
ZL1AXQ	3.7 53,768 187 30 74
NEW CALEDONIA	
TX8FU	7 45,144 236 28 44
(Opr. FK8FU)	
MARIANA ISLANDS	
KHOI	A 1,577,782 2280 78 155
WHOAAV	" 1,554,134 1531 87 156
KH0CG	21 169,464 636 31 61
KH0BX	14 174,158 609 31 75
KHOCE	14 49,956 249 26 43
PHILIPPINES	
DU9RG	A 3,726,692 3070 123 298
4F4IX	21 478,611 1537 28 79
DU1SAN	14 341,736 1022 33 83
*DU1NYC	A 359,562 832 40 107
(Opr. DU1KWT)	
*4F5MW	" 53,586 175 43 75
(Opr. WDSAAH)	
*DU3WPX	28 48,147 514 14 19
*DU1COO	14 282,039 816 33 90
*DU3RCN	" 271,064 777 34 90
TONGA	
A35SQ	A 345,546 785 68 90
(Opr. W7TSQ)	
SOUTH AMERICA	
ARGENTINA	
LR3F	A 1,718,691 1650 109 272
(Opr. LU6FAZ)	
LUF0DZ	" 238,913 503 64 109
LUTMAX	" 23,560 94 31 64
LUE6TB	28 439,101 1271 27 112
LU4HAW	" 394,709 1257 26 87
LU3FZW	" 278,502 918 24 90
LU1MA	" 229,932 822 24 84
LUD2W	" 218,55 687 26 89
LU4VZ	" 181,545 725 24 81
LU3FMR	" 128,837 533 24 75
LW8EXF	" 94,689 455 22 59
AY7D	21 1,009,936 2858 31 127
(Opr. LU7DW)	
AUSTRALIA	
VK3TJZ	A 439,285 662 84 241
VK8AV	" 195,447 322 71 156
VK1MJ	" 76,680 216 41 94
VK2APK	14 295,925 781 33 100
VK5DQ	" 3,741 33 16 27
VK8BE	" 2,900 116 12 13
VK2ARJ	A 377,862 938 47 95
VK2VM	21 113,652 509 20 77
VK1VK	14 12,360 77 20 40
BELAU	
T8/KC6DD	A 442,308 1306 54 62
BRUNEI	
V85HG	A 5,811,663 4517 132 305
(Opr. JO1RUR)	
EASTERN MALAYSIA	
9M8R	7 834,240 1798 37 128
(Opr. W7EJ)	
HAWAII	
AH7G	A 4,997,736 4584 126 243
KH6COH	14 677,435 2066 34 79
KH6FKG	7 192,558 982 24 43
KH6CC	1.8 17,860 330 9 10
HAWAII	
KH6	" 190,430 390 109
(Opr. UR5EDU)	
UX4CW	" 96,370 617 24 91
UX0KN	" 64,264 409 21 95
UR5WAL	" 32,634 208 15 59
US11	" 32,110 179 22 73
UY5ZZ	3.7 144,960 918 25 95
UO0JM	" 117,938 832 25 92
UR8V	" 66,867 603 20 73
UT20T	" 64,077 548 21 72
UX4UA	" 40,180 422 17 65
US7TJ	" 20,910 392 8 43
UT1CZ	" 18,755 311 8 47
UT1WZ	" 936 38 5 21
UX3MI	A 169,664 533 51 190
(Opr. UR3MP)	
INDONESIA	
YB1AQ3	A 3,124,018 2361 118 340
YB9BV	" 2,530,035 2185 112 293
(Opr. K7BV)	
YB5OZ	" 794,168 947 88 208
YB2UDH	7 13,041 74 26 43
YB6INU	A 338,024 511 74 158
YB7XTJ	" 20,592 112 25 47
YC9CCB	21 181,179 756 23 100
YC9WGA	" 11,434 116 14 20
YB5ZEZ	14 63,155 278 29 56
(Opr. YB5PD)	
YB0HD	" 24,648 118 23 55
YC6PUP	7 2,580 3C 9 21
NEW ZEALAND	
ZL1AXQ	3.7 53,768 187 30 74
NEW CALEDONIA	
TX8FU	7 45,144 236 28 44
(Opr. FK8FU)	
MARIANA ISLANDS	
KHOI	A 1,577,782 2280 78 155
WHOAAV	" 1,554,134 1531 87 156
KH0CG	21 169,464 636 31 61
KH0BX	14 174,158 609 31 75
KHOCE	14 49,956 249 26 43
PHILIPPINES	
DU9RG	A 3,726,692 3070 123 298
4F4IX	21 478,611 1537 28 79
DU1SAN	14 341,736 1022 33 83
*DU1NYC	A 359,562 832 40 107
(Opr. DU1KWT)	
*4F5MW	" 53,586 175 43 75
(Opr. WDSAAH)	
*DU3WPX	28 48,147 514 14 19
*DU1COO	14 282,039 816 33 90
*DU3RCN	" 271,064 777 34 90
TONGA	
A35SQ	A 345,546 785 68 90
(Opr. W7TSQ)	
SOUTH AMERICA	
ARGENTINA	
LR3F	A 1,718,691 1650 109 272
(Opr. LU6FAZ)	
LUF0DZ	" 238,913 503 64 109
LUTMAX	" 23,560 94 31 64
LUE6TB	28 439,101 1271 27 112
LU4HAW	" 394,709 1257 26 87
LU3FZW	" 278,502 918 24 90
LU1MA	" 229,932 822 24 84
LUD2W	" 218,55 687 26 89
LU4VZ	" 181,545 725 24 81
LU3FMR	" 128,837 533 24 75
LW8EXF	" 94,689 455 22 59
AY7D	21 1,009,936 2858 31 127
(Opr. LU7DW)	
AUSTRALIA	
VK3TJZ	A 439,285 662 84 241
VK8AV	" 195,447 322 71 156
VK1MJ	" 76,680 216 41 94
VK2APK	14 295,925 781 33 100
VK5DQ	" 3,741 33 16 27
VK8BE	" 2,900 116 12 13
VK2ARJ	A 377,862 938 47 95
VK2VM	21 113,652 509 20 77
VK1VK	14 12,360 77 20 40
BELAU	
T8/KC6DD	A 442,308 1306 54 62
BRUNEI	
V85HG	A 5,811,663 4517 132 305
(Opr. JO1RUR)	
EASTERN MALAYSIA	
9M8R	7 834,240 1798 37 128
(Opr. W7EJ)	
HAWAII	
AH7G	A 4,997,736 4584 126 243
KH6COH	14 677,435 2066 34 79
KH6FKG	7 192,558 982 24 43
KH6CC	1.8 17,860 330 9 10
HAWAII	
KH6	" 190,430 390 109
(Opr. UR5EDU)	
UX4CW	" 96,370 617 24 91
UX0KN	" 64,264 409 21 95
UR5WAL	" 32,634 208 15 59
US11	" 32,110 179 22 73
UY5ZZ	3.7 144,960 918 25 95
UO0JM	" 117,938 832 25 92
UR8V	" 66,867 603 20 73
UT20T	" 64,077 548 21 72
UX4UA	" 40,180 422 17 65
US7TJ	" 20,910 392 8 43
UT1CZ	" 18,755 311 8 47
UT1WZ	" 936 38 5 21
UX3MI	A 169,664 533 51 190
(Opr. UR3MP)	
INDONESIA	
YB1AQ3	A 3,124,018 2361 118 340
YB9BV	" 2,530,035 2185 112 293
(Opr. K7BV)	
YB5OZ	" 794,168 947 88 208
YB2UDH	7 13,041 74 26 43
YB6INU	A 338,024 511 74 158
YB7XTJ	" 20,592 112 25 47
YC9CCB	21 181,179 756 23 100
YC9WGA	" 11,434 116 14 20
YB5ZEZ	14 63,155 278 29 56
(Opr. YB5PD)	
YB0HD	" 24,648 118 23 55
YC6PUP	7 2,580 3C 9 21
NEW ZEALAND	
ZL1AXQ	3.7 53,768 187 30 74
NEW CALEDONIA	
TX8FU	7 45,144 236 28 44
(Opr. FK8FU)	
MARIANA ISLANDS	
KHOI	A 1,577,782 2280 78 155
WHOAAV	" 1,554,134 1531 87 156
KH0CG	21 169,464 636 31 61
KH0BX	14 174,158 609 31 75
KHOCE	14 49,956 249 26 43
PHILIPPINES	
DU9RG	A 3,726,692 3070 123 298
4F4IX	21 478,611 1537 28 79
DU1SAN	14 341,736 1022 33 83
*DU1NYC	A 359,562 832 40 107
(Opr. DU1KWT)	
*4F5MW	" 53,586 175 43 75
(Opr. WDSAAH)	
*DU3WPX	28 48,147 514 14 19
*DU1COO	14 282,039 816 33 90
*DU3RCN	" 271,064 777 34 90
TONGA	
A35SQ	A 345,546 785 68 90
(Opr. W7TSQ)	
SOUTH AMERICA	
ARGENTINA	
LR3F	A 1,718,691 1650 109 272
(Opr. LU6FAZ)	
LUF0DZ	" 238,913 503 64 109
LUTMAX	" 23,560 94 31 64
LUE6TB	28 439,101 1271 27 112
LU4HAW	" 394,709 1257 26 87
LU3FZW	" 278,502 918 24 90
LU1MA	" 229,932 822 24 84
LUD2W	" 218,55 687 26 89
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LU3FMR	" 128,837 533 24 75
LW8EXF	" 94,689 455 22 59
AY7D	21 1,009,936 2858 31 127
(Opr. LU7DW)	
AUSTRALIA	
VK3TJZ	A 439,285 662 84 241
VK8AV	" 195,447 322 71 156
VK1MJ	" 76,680 216 41 94
VK2APK	14 295,925 781 33 100
VK5DQ	" 3,741 33 16 27
VK8BE	" 2,900 116 12 13
VK2ARJ	A 377,862 938 47 95
VK2VM	21 113,652 509 20 77
VK1VK	14 12,360 77 20 40
BELAU	
T8/KC6DD	A 442,308 1306 54 62
BRUNEI	
V85HG	A 5,811,663 4517 132 305
(Opr. JO1RUR)	
EASTERN MALAYSIA	
9M8R	7 834,240 1798 37 128
(Opr. W7EJ)	
HAWAII	
AH7G	A 4,997,736 4584 126 243
KH6COH	14 677,435 2066 34 79
KH6FKG	7 192,558 982 24 43
KH6CC	1.8 17,860 330 9 10
HAWAII	
KH6	" 190,430 390 109
(Opr. UR5EDU)	
UX4CW	" 96,370 617 24 91
UX0KN	" 64,264 409 21 95
UR5WAL	" 32,634 208 15 59
US11	" 32,110 179 22 73
UY5ZZ	3.7 144,960 918 25 95
UO0JM	" 117,938 832

DL80BC	3.7	5,405	110	6	41	MULTI-OPERATOR SINGLE TRANSMITTER													
DJ6TK	1.8	8,374	159	7	46	UNITED STATES													
HUNGARY							K1NG	4,169,364	2187	144	530	3E1DX	4,830,618	5040	116	376			
HA0HW	A	397,761	724	83	246	K1RX	2,519,388	1580	119	445	KB1H	2,112,552	1369	118	431				
ITALY							K1GMO	1,978,590	1391	110	395	KV1W	1,846,467	1390	109	368			
IR2W	A	2,481,570	1603	135	471	KZ1M	1,589,280	1187	96	384	KB1SO	1,430,370	1229	90	324				
IU2M	"	1,512,034	1667	104	378	WV1M	1,125,660	951	97	341	KD1MV	531,700	633	80	245				
IU2A	"	1,409,408	1133	123	446	W1FY	399,582	474	63	218	W1FY	317,340	452	65	193				
I04A	"	1,260,672	1299	100	348	N1AIU	246,715	359	69	196	N1AIU	274,548	626	69	205				
IK2VJF	"	422,564	705	67	231	W1BK	6,670	47	25	33	KF2ET	5,281,561	2694	140	540				
IK6XO	"	402,246	658	83	268	WA2VUY	2,835,150	1628	133	482	WA2VUY	2,012,682	1376	122	432				
IK1RLI	"	274,548	626	69	205	NU2W	2,012,682	1376	122	432	K5KG/2	1,817,508	1201	119	420				
I13R	"	260,883	462	67	220	WA2SYN	1,337,125	1074	106	369	N2GQD	878,832	774	89	319				
(Opn. IK3HLZ)	"	39,620	130	42	98	N2LBR	475,760	569	75	229	N3RS	4,559,520	2273	149	559				
IK2OP0	"	28,670	182	28	94	NE3F	1,750,461	1202	120	409	K3MD	1,662,282	1135	130	428				
IR8A	14	665,075	1838	37	148	K3WUW	1,149,025	874	108	367	K3CP	931,460	780	117	335				
(Opn. IQ8LS)	"	144,045	810	25	110	W4ATC	650,386	608	98	309	KB3TS	787,138	699	89	318				
IK1GPG	7	389,408	1576	36	128	W4PRO	345,750	496	59	191	N3MVV	19,968	85	20	58				
IQ2X	"	144,045	810	25	110	K4IVS	4,164,464	2220	144	544	K4ISV	4,164,464	2220	144	544				
LITHUANIA							K2IBW/4	1,259,258	1214	87	287	K2IBW/4	1,143,240	1085	102	318			
LY5A	A	5,879,094	4082	156	585	AD4TG	1,143,240	1085	102	318	KC4ZU	951,460	780	117	335				
(Opn. LY2BTA)	"	144,045	810	25	110	W4ATC	629,145	798	82	259	W4ATC	629,145	798	82	259				
LUXEMBOURG							W4TMN	208,800	353	59	173	W4TMN	208,800	353	59	173			
LX1TI	A	236,301	600	61	188	K4UK	81,838	208	55	111	K4UK	81,838	208	55	111				
NETHERLANDS							KE4PUC	79,515	189	55	116	KE4PUC	79,515	189	55	116			
PA3BUD	A	38,905	123	41	114	KS4BO	5,830	44	21	34	K5MR	2,748,625	1721	148	495				
NORTHERN IRELAND							W5KFT	2,579,040	1769	140	450	W5KFT	2,579,040	1769	140	450			
GI0KVQ	A	329,904	1010	51	186	WX0B/5	2,038,161	1766	140	433	PORTUGAL								
PORTUGAL							N5HRG	964,239	728	119	344	CT1EAT	A	354,315	501	78	221		
CT1EAT	A	207,603	567	57	176	N5JJ	525,297	594	101	230	SPAIN								
SPAIN							K5JSB	369,592	556	88	206	EA3GHQ	A	1,316,616	1404	95	381		
EA1BOI	A	254,624	627	53	165	W5HTK	196,301	361	62	141	EA1BOI	A	254,624	627	53	165			
EA5WI	"	223,076	377	67	190	W6EEN	164,274	334	64	145	EA5CGU	"	220,275	351	78	189			
EA7AKM	"	159,900	101	23	58	K6WEH	49,594	147	49	88	EA7AKM	"	109,110	210	66	164			
EA4AUF	"	5,995	61	18	37	K7V7	1,883,458	1628	128	318	EA4AUF	"	5,995	61	18	37			
EA7OPU	21	173,000	700	28	97	K7V7	1,883,458	1628	128	318	EA7OPU	21	173,000	700	28	97			
FA5R7S	"	48,480	188	33	87	K7V7	6,298	781	86	184	SWEDEN								
EA2AM	"	18,145	82	22	73	K7V7	532,413	665	102	211	SM0DJZ	A	325,535	600	77	278			
EA1DDO	3.7	30,699	267	17	64	K7V7	252,735	454	71	132	SM2KAL	"	53,580	160	41	100			
EA3ALD	1.8	15,040	232	8	55	K7V7	1,316,278	1293	108	284	SWEDEN								
SARDINIA							K7V7	1,074,961	1327	121	294	ISOIEK	A	20,700	118	37	63		
GM0ECO	A	207,603	567	57	176	K7V7	1,074,961	1327	121	294	SCOTLAND								
SICILY							K7V7	1,074,961	1327	133	422	IT9IOQ	A	246,192	423	75	201		
S58MU	A	65,626	320	32	125	SLOVENIA							GT0PDU	A	246,384	497	59	177	
SWEDEN							W6EEN	1,411,830	1272	121	294	SM0DJZ	A	325,535	600	77	278		
SM0DJZ	A	325,535	600	77	278	K7V7	1,411,830	1272	121	294	SM2KAL	"	53,580	160	41	100			
SM2KAL	"	53,580	160	41	100	SWEDEN							SM9EY	A	611,455	826	79	193	
WALES							K7V7	1,074,961	1327	107	284	GW0ARK	A	246,384	497	59	177		
GW0ARK	A	246,384	497	59	177	K7V7	1,074,961	1327	107	284	WALES								
OCEANIA							SWEDEN							VK5GN	A	1,457,352	1558	100	224
VK5GN	A	1,457,352	1558	100	224	OCEANIA							KU2AD	A	1,102,112	1146	98	243	
ARGENTINA							AUSTRALIA							LU8ADX	A	1,102,112	1146	98	243
LU8ADX	A	1,102,112	1146	98	243	AUSTRALIA							VI9IOQ	A	246,192	423	75	201	
SOUTH AMERICA							ARGENTINA							KG4AN	1,569,762	1915	87	246	
KG4AN	1,569,762	1915	87	246	BRAZIL							BALEARIC ISLANDS							
YV4YC	14	17,446	113	14	47	BALEARIC ISLANDS							ED6AMR	5,213,004	5443	137	307		
ED6AMR	5,213,004	5443	137	307	MEXICO							EI2DV	5,213,004	5443	137	307			
EI2DV	5,213,004	5443	137	307	SWEDEN							SL3ZV	2,960,284	2987	107	422			
SL3ZV	2,960,284	2987	107	422	SWEDEN							SK3SN	1,622,264	2192	103	389			
SK3SN	1,622,264	2192	103	389	SWEDEN							SK4AO	907,816	1328	81	283			
SK4AO	907,816	1328	81	283	SWEDEN							SM4VPZ	150,156	600	42	152			
SM4VPZ	150,156	600	42	152	SWEDEN							SK6DG	60,384	224	41	95			
SK6DG	60,384	224	41	95	SWEDEN							HB9H	4,143,180	2878	147	547			
HB9H	4,143,180	2878	147	547	SWEDEN							HB9OK	1,080,332	1186	107	366			
HB9OK	1,080,332	1186	107	366	SWEDEN							Ukraine							
Ukraine							YV4YC	14	17,446	113	14	47	UU5J	4,484,038	3607	156	598		
UU5J	4,484,038	3607	156	598	Ukraine														

UT7W	2,224,651	1870	122	489	W1FJ	6,340,609	3333	142	555					
UT7L	1,207,458	1475	113	405	N4ZC	5,930,184	3264	148	541					
UR4EYN	567,029	1274	65	242	KY3N	5,924,019	3498	144	532					
UR4MWU	151,490	545	46	164	A41AS	5,887,080	3462	147	543					
UT4UWC	141,484	628	44	119	W4MYA	5,228,605	3036	146	539					
WALES														
GW8GT	4,190,774	3651	116	458	K59K	4,561,557	2779	141	510					
YUGOSLAVIA														
YU1L	234,960	756	51	189	N04I	4,297,728	2862	146	490					
Z37FCA	928	20	6	17	N6AW	3,939,562	2622	145	395					
OCEANIA														
AMERICAN SAMOA														
KH8	/N50LS	4,033,341	4015	122	229	W4IY	3,843,203	2458	134	483				
AUSTRALIA														
VK4MZ	2,111,170	2190	107	228	W2AX/1	3,762,654	2467	135	471					
VKGWL	1,326,808	1567	91	210	K3ANS	3,267,734	2080	131	450					
VK1DX	743,052	1154	58	176	W3GNO	2,676,416	1671	128	461					
VK4XY	566,196	1141	55	109	W0AIH/9	2,347,865	1850	126	419					
VKGANC	421,440	632	74	166	K3II	2,15,225	1387	119	434					
BELAU														
T88T	3,143,232	3432	105	201	K1GW	1,978,590	1391	110	395					
GUAM														
NH2C	6,766,810	4500	145	369	K91BDZ	979,464	821	100	344					
MARIANAS														
KH8A	3,336,610	3480	105	221	KG6LF	688,564	810	97	219					
NEW CALEDONIA														
FK5DX	2,203,140	2668	90	202	K7FR	489,552	637	89	193					
PHILIPPINES														
DX1CW	776,606	1271	69	145	N0UEI	262,656	399	74	182					
SOUTH AMERICA														
ARGENTINA														
LU4HH	2,630,040	2453	104	268	JH5ZJS	9,266,992	5214	171	508					
LU7HLF	2,423,574	2512	101	232	JA1YDU	3,901,478	2630	161	413					
LU1UM	2,006,136	2336	86	212	JA7YRR	2,889,087	2329	143	318					
LR3Y	1,247,819	1913	61	166	JA3YK	2,465,728	1930	140	332					
LU1NF	908,208	1089	98	208	JO1YAD	1,865,427	1552	144	319					
LU4DQ	530,796	1034	56	122	JA9YAA	804,816	861	119	249					
BRAZIL														
Z2ZE	2,201,633	2085	99	268	XX9X	9,529,912	8226	162	482					
PR5M	923,436	1024	98	241	HS1AZ	5,658,598	5498	154	429					
ZW8B	201,448	485	43	106	MACAO									
CHILE														
XR8S	4,774,714	3913	116	311	TK1A	17,035,667	11422	169	744					
CE5JA	41,006	204	40	61	9A1A	14,725,445	9042	191	768					
FERNANDO de NORONHA														
ZX0F	20,167,146	8120	171	678	9A8000S	7,865,676	7146	151	535					
FRENCH GUIANA														
FY5KE	6,921,091	4566	120	407	OL5T	1,559,718	2135	98	340					
GALAPAGOS ISLANDS														
HC8N	17,715,256	8288	157	575	OK1KIR	45,424	201	40	127					
NETHERLAND ANTILLES														
PJ9T	7,953,660	4649	134	451	CZECH REPUBLIC									
PARAGUAY														
ZP0R	4,001,256	2868	133	371	OT6A	12,604,410	8456	163	556					
URUGUAY														
CV1T	1,204,803	1655	73	190	TK1A	17,035,667	11422	169	744					
VENEZUELA														
4M5X	8,336,121	5093	142	539	9A1A	14,725,445	9042	191	768					
MULTI-OPERATOR														
MULTI-TRANSMITTER														
NORTH AMERICA														
UNITED STATES														
KC1XX	10,773,260	5299	151	621	W1FJ	6,340,609	3333	142	555					
N2RM	10,653,600	4865	160	640	N4ZC	5,930,184	3264	148	541					
K3LR	10,332,618	5015	156	622	KY3N	5,924,019	3498	144	532					
W3LPL	11,113,178	4766	158	635	A41AS	5,887,080	3462	147	543					
W2PV	7,975,702	4229	146	575	W4MYA	5,228,605	3036	146	539					
K1KI	6,937,164	3578	152	580	K59K	4,561,557	2779	141	510					

Say You Saw It In CQ

M6T	ENGLAND	12,777,856	9048	164	732
R3AA	EUROPEAN RUSSIA	5,377,848	4650	159	555
	GERMANY				

DF0DX	4,711,680	4085	142	578
DK5EZ	2,847,733	2519	121	502
DF3QG	670,320	841	98	322

IR3O	ITALY	929,448	1093	103	365
IK3SSJ		460,736	859	80	233

HB0	LEICHTENSTEIN				
/HB9AON	3,839,562	4640	99	420	

LY7A	LITHUANIA	2,986,368	4297	124	492

LA1K	NORWAY	250,206	788	43	180

CQ1A	PORTUGAL	1,025,308	1829	71	203

GM6V	SCOTLAND	6,305,760	6088	129	591

S53M	SLOVENIA	8,521,296	6295	160	624

EA3FP	SPAIN	4,560,523	3981	141	508
ED7VG		632,872	1088	75	256

WH6R	HAWAII	7,203,307	5528	145	304

ZM2K	NEW ZEALAND	2,657,844	2537	112	259

HC0E	ECUADOR	10,157,134	6423	130	421

LU4FM	ARGENTINA	8,150,208	6007	132	412

ZV2EPA
