

Results of the 2005 CQ WW WPX SSB Contest

BY STEVE MERCHANT,* K6AW

Last year marked the 47th running of the CQ WW WPX SSB Contest. Despite declining sunspot activity, the number of logs submitted went up again from the previous year and contestants managed to set 23 new records in various categories. Al, 4L5A, as D4B set another Single-Op All Band (SOAB) world and continental record from the Cape Verde Islands in what may have been his last WPX SSB contest for some time. We all have enjoyed working Al in many contests over the years and will miss his enthusiasm and competitive spirit.

DX

D4B took the top SOAB spot. Al's latest world and continental record surpassed second-place 9Y4W (Jaroslav, OM3TZZ) by over 8 million points. In third place was 8P9AM with a new continental record (Sergei, M0SDX op), followed by FY5KE, operated by Oliver, F5MZN. Aruba made it into fifth place again with John, KK9A, operating the only low-power top-ten entry, P40A. Sixth place went to VC3A (Ron, VE3AT) and seventh to world-traveler Olli, OH0XX/EA4BQ operating from 8R1K. In eighth place was Bernd, DL6FBL. WP2Z (Stan, K8MJZ) was number nine, and Goran, S550O, finished up the top ten as S58A.

The top spots in the 10-meter category were won in a battle fought in South America. Juan, LU1HF, was the clear winner, almost 1.5 million points ahead of number two, PT5Z (Ari, PY5NW). Third place was won by Roberto, CE4PBB, and Claudio, LU5FII, and Elvis, PY2SBY, took fourth and fifth place, respectively. On 15 meters it was a rout, not a battle. Jim, N6TJ, went to ZD8Z and demolished all comers, setting a new world and continental record with over 17 million points and almost 1200 mults. Jim's 15-meter single band score would have placed him fifth in the world in the SOAB category. Second place was won by Marcelo, PY1KN, and third went to Juan, EA8CAC, as ED8CAC. In fourth place was Rafael, KP4WW, and fifth went to low-power entry ST2T (Dane, S57CQ). On 20 meters the clear winner was EA8EW, operated by Toivo, ES2RR. There was a close battle for second place, with Antonio, CT8T, edging out Vaho, 4L8A. The race for fourth and fifth was even closer, with Vitor, PY2NY, narrowly beating Claus, OE6Z. The 40-meter



The PJ2T Multi-Op Two-Transmitter team. In front, left to right, Geoff, W0CG; Helmut, DF7ZS; and Heiko, DK3DM; rear, left to right, Wolfgang, DK9VZ and Uli, DL8OBQ; missing from the photo is Harald, DL2SAX.

competition was almost as lopsided as 15 meters. CN2R, operated by Jim, W7EJ, set new world and continental records and took the top spot with a 6.5 million point lead over second-place TI4CF, who also set a new continental record (TI2CF, Carlos). Third place was won by Pekka, OH1RY, operating AN8AH. Fourth went to 4M5DX (Alexis, YV5SSB op) and fifth to UU7J, operated by Andy, UU4JMG. The top five 80-meter spots were closely fought over, with SN3A (Jurek, SP3GEM) winning; followed by 9A5Y (Jan Hus, 9A3LG) second; 4N8A (YU1EA op) third; Krzysztof, SN7Q, fourth; and Robert, 9A5E, in fifth place. Top band honors went to Kaz, SP2FAX, as SO2R in first place and a new world record; Pavel, OK1MU, operating OK5DX second; Ozer, TA2RC, operating low power YM0T for third place and a continental record; Slavko, S57DX, fourth; and Bojan, S57M, fifth.

Once again the world low-power SOAB honors went to John, KK9A, operating P40A. Second place went to Jurgis, LY2CY, as V25O. CT7B (CT1ILT, Filipe) was third, VQ5L (LA9HW, Jan) fourth, and NK4A (N4PN, Paul) fifth. In sixth place was Hartwig, CN2BC; with LR1F (LU5FD,

Daniel) seventh; Igor, UA4FER, eighth; NV1N (N1UR, Ed) ninth; and Mamuka, 4L2M, as tenth in this category.

Claudio, LU5FII, won the low-power 10-meter category by a narrow margin, followed by Elvis, PY2SBY, in second place and L44DX (Esteban, LW1DTZ) in third. LU1FS, Fabian, was fourth and LU6HPF, Alejandro, was fifth. On 15 meters low power Dave, S57CQ, took first place as ST2T, followed by Matias, LU5EML, in second and Alfredo, WP3C, third. Mohammad, YB1BAD, was fourth, and fifth place went to Sutaryono, YB2OBL. The first-place 20-meter low-power winner won by a narrow margin—Yuriy, KC2NTB, edged out his second-place rival, Vlad, 4N1N, by only a few thousand points. Third place went to Alex, UA9LAU, and fourth was YP8A, operated by Gabi, YO8TU. Jozsef, YU7ZZ, was in fifth place. The 40-meter low-power winner and new record holder was Dal, T94DO, with Kaye, DU9AXJ, as 4D9D second and a continental record, and Ladi, OK1DCF, third, operating as OL6T. Branko, YT1LT, took fourth place and Zoran, YZ1ZV, operating as YU1AAV was fifth. Eighty meters and a new world record was won by YT1AD (Miki,

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The P40A QTH. World low-power Single-Operator All Band honors went to P40A, op. John, KK9A.



Rafael, YY5RED, number one in Venezuela, Single Operator, 21 MHz, low power.

TROPHY WINNERS AND DONORS

WORLD: Stanley Cohen, W8QDQ Trophy. Won by: **D4B operated by Alexander Teimurazov, 4L5A.**
World Low Power: Caribbean Contesting Consortium Trophy. Won by: **John Bayne, P40A (KK9A).**
World QRP/p: Phil Krichbaum, NØKE Trophy. Won by: **T15N operated by Phil Krichbaum, NØKE.**
USA: Atilano de Oms, PY5EG Trophy. Won by: **Robert Shohet, KQ2M.**
USA Zone 4: Society of Midwest Contesters Trophy. Won by: **George Fremin, K5TR.**
USA Low Power: Terry Zivney, N4TZ Trophy. Won by: **NK4A operated by Paul Newberry, Jr., N4PN.**
USA Zone 4 Low Power: Society of Midwest Contesters Trophy. Won by: **Bill Lippert, ACØW.**
CANADA Low Power: Contest Club Ontario Trophy. Won by: **Richard Brown, VA3YV.**
AFRICA: Peter Sprengel, PY5CC Trophy. Won by: **J. R. Bullington, 5U7JB.**
EUROPE: Jim Hoffman, NF5A Trophy. Won by: **Bernd Och, DL6FBL.**
SOUTH AMERICA: Ron Moorefield, W8ILC Trophy. Won by: **9Y4W operated by Jaroslav Jamrich, OM3TZZ.**
OCEANIA: Philip Frazier, K6ZM Memorial. Won by: **Joel Chalmers, KG6DX.**
JAPAN: The DX Family Foundation Trophy. Won by: **Hiroyuki Inaba, JS3CTQ.**
NORTH AMERICA QRP/p: Phil Krichbaum, NØKE Trophy. Won by: **Christopher Merchant, KA1LMR.**
USA QRP/p: Doug Zwiebel, KR2Q Trophy. Won by: **Daniel Shepherd, Sr., N8IE.**

SINGLE OPERATOR, SINGLE BAND

WORLD: Steve Merchant, K6AW Trophy. Won by: **ZD8Z operated by James Neiger, N6TJ.**
WORLD 28 MHz: Alan Dorhoffer, K2EEK Memorial Trophy. Won by: **Claudio Pons Estel, LU5FII.**
WORLD 7 MHz: William D. Johnson, KVØQ Trophy. Won by: **Dal Stanic, T94DO.**
USA 3.7 MHz: Lance Johnson Engineering Trophy. Won by: **Steven Sussman, W3BGN.**
USA 14 MHz Low Power: Boomer Contest Club Trophy. Won by: **Yuriy Rakushchynets, KC2NTB.**
USA 21 MHz: Bernie Welch, W8IMZ Memorial. Won by: **Robert Epstein, K8IA.**

MULTI-OPERATOR, SINGLE TRANSMITTER

USA: Steve Bolia, N8BJQ Trophy. Won by: **K3EST operated by Robert Cox, K3EST and Phil Allardice, KT3Y.**
USA Zone 4: Society of Midwest Contesters Trophy. Won by: **AJ9C operated by AJ9C, KE9I, N9LAH, KB9NSC, and KC9GMO.**
ASIA: W2MIG Memorial Trophy sponsored by Ed Campbell, NT4TT. Won by: **8Q7DV operated by UN4L, UN9LW, UA9CDC, UA9CDV and UA9CLB.**

MULTI-OPERATOR, TWO TRANSMITTER

WORLD: Doris Wong, AG1RL Trophy. Won by: **PJ2T operated by DF7ZS, DK3DM, DK9VZ, DL2SAX, DL8OBQ and WØCG.**

MULTI-OPERATOR, MULTI-TRANSMITTER

WORLD: Gail Schieber, K2RED Trophy. Won by: **YW4M operated by YV2IF, YV4BOU, YV4GLD, YV4GME, YV5AMH, YV5EED, YV5IQJ, YV5KG and DL2GG/YV5.**
USA: Rick Dougherty, NQ4I Trophy. Won by: **NQ4I operated by NQ4I, K4BAI, K4PK, K4UJ, K5ZM, K9JS, KD4D, KE4UW, KN6RO, KT4ZB, N4OX, VE7ZO and WI4R.**

CONTEST EXPEDITION

WORLD: Kansas City DX Club Trophy. Won by: **5B/AJ2O operated by RA3AUU, RW3QC, and RW4WR.**

9A5TO, operating 9A1CCY following closely in second place. Jan, OZ1ADL, won 80 meters, with Jim, KEØL, in second. Zbigniew, SP6CZ, won the 160-meter category as SN6C.

Costa Rica took the top QRP spot this year. Phil, NØKE, operating as T15N, took the number one spot with an almost two-to-one margin over second-place Bosko, YT7TY. Third and fourth place were hotly contested by Chris, KA1LMR, and Chermen, UA3BL. Stefan, OM7DX, rounded out the top five. Mariano, LU8EOT, was the top 10-meter op; Dennis, NB1B, was the winner on 15 meters; Uros, S57MSU, won 20 meters; Franc, S54AA, was the 40-meter champion; OL4W (Milan, OK1IF op) was again the winner on 80 meters; and Yuri, K3BU, took the 160-meter top QRP spot.

USA

Bob, KQ2M, again won the top SOAB USA spot. He was followed by Bill, K4XS, as WK4R in second and Ken, K4ZW, in third place. KC3R (Alex, LZ4AX) was fourth; KW7Y (Mitch, K7RL) was fifth; WPX veteran Fred, K3ZO, was sixth; and John, WE3C, took seventh. George, K5TR, was eighth and Steve, N2IC, took ninth place. The tenth spot went to low-power entrant Paul, N4PN, operating as NK4A.

Chuck, W5PR, was again the 10-meter champ, this time as KJ5Y, with WN1GIV (Bob, N4BP) in second place. NA4W's low-power entry from K4WI was third; Larry, KØRI, was fourth; and Dick, K9OM, was fifth with another low-power entry. On 15 meters Carol, N2MM, handily took first place. In second was Joe, W5ASP, operating NQ5K, followed by Jim, KØRH, and George, N2GM. Bob, K8IA, was fifth with a low-power entry. Twenty meters saw a very tight race between Dan, W7WA, and John, N3HBX, with Dan narrowly winning. WZ1R (Chas, N1RR) was third, low-power KC2NTB was fourth, and Ken, K6HNZ, wrapped it up in fifth place. On 40 meters Dave, K8GVK, was the winner,

with Lewis, WW4LL, second and Mike, N2GC, third. Paul, KU6T, was fourth and Tom, WA6WPG was fifth, both low power. The 80-meter winner was Steve, W3BGN, with a commanding lead over second-place KG4NEP. Leo, AA4MM, was third, with Mike, KK9V, fourth and low-power W9LYN (Bill) fifth. On 160 meters Manuel, W2MF, was the winner, and Randy, K8OQL, was second.

NK4A (Paul, N4PN) claimed the US SOAB low-power title; followed by Ed, N1UR, operating NV1N in second; with Bill, ACØW, third; Tom, WD5K, in fourth; and fifth place went to Ed, NT4TT. Courtney, K4WI, was the 10-meter winner operating NA4W, with Dick, K9OM, second and Vlad, KM6Z, third. Fifteen meters was once again won by Bob, K8IA, with Kent, KK1H, second, and Don, W7UPF, third. Yuriy, KC2NTB, showed up with a big score to take the top 20-meter low-power entry, followed by Ryan, NV8N, and Ron, N4MO. Forty meters was won by Paul, KU6T, with Tom, WA6WPG, second and Eric, K9GY, third as K4AF. Bill, W9LYN, won the 80-meter award.

Krassy, K1LZ, easily won the US Tribander/Single Element category; followed by low-power WD5K in second; Tom, K3TW, third; Ben, N3UM, in fourth place; and Ron, WA1JMP, fifth. WD5K and Doug, WB8TLI, were the top two low-power winners in the T/S category, followed by Steve, W9DX, and Ben, WB2RHM. Andrew, KC2GOW, won the Rookie top spot, with Scott, NE1RD, in second place and Bob, W4TTX, in third.

The top Single Op Assisted honors went to a crowd of WPX regulars, with Bob, W4MYA, operating as WK4Y in first place. Second place went to Jack, N4RV, operating KT4W and WPX Director Emeritus Steve, N8BJQ took third. Jon, W1CU, was fourth and Don, N4ZZ, wrapped it up in fifth place. W3BP had the top 10-meter score operating KM4M, as did Joe, K1JB, as KC1ME on 15 meters and Jim, KEØL, on 160.

The USA QRP winners were Chris, KA1LMR, in first place; Dan, N8IE, second; and Chas, K3WW, in third. Single-band winners were Bill, W8QZA, as W6QU on 10 meters and Yuri, K3BU, on 160.

Multi-Ops

The Multi-Single category and a new continental record was won this year by 5B/AJ2O, with a big score turned in by RA3AUU, RW3QC, and RW4WR. Moving up to second place was CQ9K, operated by ten ops from CT3. Third position was won by LR2F, manned by LU1FZR, LU2FA, LU5FC, and LW7DX. 8Q7DV was fourth with UA9s CDC, CDV, CLB, UN4L, and UN9LW. OM8A scored fifth with eight ops from OM, with HI3CCP in sixth place, PJ4Y seventh, OM7M eighth, ZY7C again ninth, and LTØH finishing up in the tenth spot.

In 2005 Bob, K3EST, and Phil, KT3Y, won the top USA multi-single award as K3EST with a decisive win over second-place NI1N, operated by NI1N, WM3T, and KC9LC. Third place was claimed by AJ9C, staffed by AJ9C, KE9I, N9LAH, KB9NSC, and KC9GMO. KØDU moved up to fourth place

this time, and in fifth place was KX7M (KX7M, W6NV, and N6KJ.)

In the popular Multi-Two category, PJ2T set new world and continental records and was the winner, operated by DF7ZS, DK3DM, DK9VZ, DL2SAX, DL8OBQ, and W0CG. TS3A (4N1EA, S56A, YT1AD, and YZ1BX) was right behind them with a continental record, and ZW5B was third. KH7X (KH6ND, KH7U, and AH6OZ) was in fourth place with a new continental record, and ES70Q took fifth place.

The US Multi-Two winner was WR3Z, operated by WR3Z, NH7C, WQ2M, and N3OC. Second place honors went to NX6T and ops K6AM, W6YI, N6KI, and NN6X. WX5S (@W6YX) took third with a big crowd of ops, NG3U was fourth, and AG1C fifth.

The top Multi-Multi score was earned by YW4M (YV2IF, YV4BOU, YV4GLD, YV4GME, YV5AMH, YV5EED, YV5IQJ, YV5KG, and DL2GG/YV5. Second place went to OT5A with 28 operators. The third spot went to LZ9W, UP5G was fourth, and US-based NQ4I rounded out the top five.

In the US, NQ4I took first-place Multi-Multi, operated by 13 fine ops. Second place went to NR6O, operated by the usual suspects, followed by the 20-operator team at KT9M and NE1C in fifth place.

The Rest of the Story

Most logs were sent in Cabrillo format, which is the default requirement. We continue to refine our log preparation instructions on the WPX contest website (<http://www.cqwp.com>) so contestants will not have difficulties submitting their logs. Please do not rely on your logging program to get the Cabrillo header filled out correctly, especially if you are entering one of the categories that requires the addition of a Category Overlay line in the header. If you make any changes to your Cabrillo file, please use a simple text editor, not a word processor. See the 2006 rules or the website for more information.

Special thanks go to the many operators who travel to remote locations all over the world so the rest of us have interesting and exciting prefixes to work. Also, we thank the many operators who arrange for special prefixes solely for use in this contest.

Thanks to WT4I for his log-checking software, and to the members of the CQWW Contest Committee for their help in handling logs from their respective countries. Thanks as well to Trey, N5KO, and his robots; they are a huge help in the log-checking process.

We do check serial numbers. If we receive a log without sent or received serial numbers it will be reclassified a checklog. If you encounter problems with serial numbers in your log, please take up the matter with your logging program author. With close to 5000 logs to process each year it's impossible for us to fix everyone's log.

Biggest thanks go to Steve Bolia, N8BJQ. He has been tireless and is always ready to step in to help in the process.

The 2006 WPX SSB Contest will be held on March 25-26. Please plan to participate. Starting with the 2006 contests we have eliminated the Band Restricted category due

USA TOP SCORES		USA TOP SCORES	
SINGLE OPERATOR ALL BAND		KQ9V 44,800	ROOKIE
KQ2M 9,089,410		*W9LYN 17,512	*KC2GOW 105,789
WK4R 8,883,951			*NE1RD 99,882
K4ZW 7,107,828		1.8 MHz	*W4TTX 93,080
KC3R (LZ4AX) 6,758,540		W2MF 39,760	*K4EXW 56,420
KW7Y (K7RL) 5,751,270		K8OOL 2,010	*KV6O 51,054
K3ZO 5,400,216			*K8ACG 37,920
WE3C 5,155,634		LOW POWER SINGLE OPERATOR ALL BAND	KC2MDQ 34,888
K5TR 4,645,318		NK4A (N4PN) 3,587,572	*NF3R 31,473
N2IC 4,610,205		NV1N (N1UR) 2,362,512	*KC2KTZ 14,744
*NK4A (N4PN) 3,587,572		AC0W 1,579,706	KC5DJI 13,345
W5WMM 3,448,956		WD5K 1,522,092	
K15DR 3,105,008		NT4TT 1,057,920	QRP/p
NK7U (N6MJ) 2,995,906		N5DO 926,287	KA1LMR 860,662
KU1CW 2,834,100		WB8TLI 920,125	N8IE 636,157
KN7NV (KL2A) 2,721,482		K9QVB 622,710	K3WW 299,200
*NV1N (N1UR) 2,362,512		WA8VV 595,315	KR1ST 178,772
K1LZ 2,303,616		N4NX 586,254	NX9T 177,895
W8MJ 2,235,806			W6QU (W8OZA) 28 122,772
N3KS 2,034,815		28 MHz	K3BU 1.8 11,115
AD4TR 1,904,448		NA4W (K4WI) 138,000	SINGLE OPERATOR ASSISTED
		K9OM 29,205	WK4Y (W4MYA) 4,313,415
28 MHz		KM6Z 9,990	KT4W (N4RV) 3,470,845
KJ5Y (W5PR) 466,264		W4JK 7,546	W08CC (N8BJQ) 3,191,240
WN1GIV (N4BP) 166,050		KD5TXL 6,721	W1CU 3,053,738
*NA4W (K4WI) 138,000			N4ZZ 2,586,204
K0RI 35,175		21 MHz	NA7XX (W0MU) 2,449,050
*K9OM 29,205		K8IA 231,660	AD4EB 2,415,736
		KK1H 162,773	NN3O 1,775,000
21 MHz		W7UPF 90,356	KW5DX (W5BL) 1,757,728
N2MM 963,569		N8OL 87,242	AB2E 1,593,984
NO5K (W5ASP) 672,035		NP4IW/AB6 55,583	KM4M (W3BP) 28 137,172
K0RH 332,846			N5MT 28 33,912
N2GM 250,784		14 MHz	KC1ME (K1JB) 14 1,055,235
*K8IA 231,660		KC2NTB 1,421,410	N2UN 14 88,920
W6AFA 201,196		NV8N 424,258	KE0L 3.7 134,392
*KK1H 162,773		N4MO 400,680	
*W7UPF 90,356		KZ5OH 151,305	MULTI-OP SINGLE TRANSMITTER
N8OL 87,242		N8ILU 86,955	K3EST 7,138,096
N6QQ 87,096			NI1N 4,308,405
		7 MHz	AJ9C 4,149,184
14 MHz		KU6T 17,136	K0DU 3,575,311
W7WA 3,797,420		WA6WPG 12,760	KX7M 2,680,210
N3HBX 3,623,628		K4AF (K9GY) 12,240	NN5Z 1,894,008
WZ1R (N1RR) 3,117,244		K7AWB 7,020	AJ5DX 1,696,065
*KC2NTB 1,421,410			WG7X 1,131,154
K6HNZ 583,528		3.7 MHz	W5LCC 949,905
*NV8N 424,258		W9LYN 17,512	K4VV 735,546
*N4MO 400,680			
WA7AR (W7FP) 272,350		TRIBANDER/SINGLE ELEMENT	MULTI-OP TWO TRANSMITTER
*KZ5OH 151,305		K1LZ A 2,303,616	WR3Z 8,320,680
W7QN 92,000		*WD5K A 1,522,092	NX6T 5,335,588
		K3TW A 1,420,100	WX5S 4,954,104
7 MHz		N3UM A 1,228,596	NG3U 3,566,914
K8GVK 39,795		WA1JMP A 1,085,596	AG1C 595,525
WW4LL 28,000		*WB8TLI A 920,125	
N2GC 27,753		NJ2F A 541,782	MULTI-OP MULTI-TRANSMITTER
*KU6T 17,136		*W9DX A 506,484	NQ4I 15,111,810
*WA6WPG 12,760		W1BYH A 485,080	NR6O 7,766,641
		*WB2RHM A 427,652	KT9M 4,109,525
3.7 MHz		*K8IA 21 231,660	NE1C 3,642,108
W3BGN 785,312		*W7UPF 21 90,356	WX3B 2,548,660
KG4NEP 485,688		*NV8N 14 424,258	
AA4MM 159,885		W7QN 14 92,000	
		*N8ILU 14 86,955	
		N2GC 7 27,753	

to lack of participation. Complete rules are elsewhere in this issue of CQ and will be posted on both the CQ and the WPX websites. Logs are requested to be submitted by e-mail in Cabrillo format. Send SSB logs to <ssb@cqwp.com>.

See you in the 2006 contests.

73, Steve, K6AW

QRM

Good contest. A bit slow on the Saturday but improved on Sunday. Force 12C3SS beam worked well and the dipoles homemade with my 50 watts from the FT1000MPMK5.....**2E0ATY**. With poor band opening to NA, this is my best performance so far. See you all again next year.....**4F1MEU**. Was great to hear so many stations on from 8P. Heard or worked 8P6ET, 8P6EX, 8P6GE, 8P9AM, 8P6QA, and 8P6RC. That should have kept everybody happy with prefixes from Barbados. Pity about the poor propagation across the Atlantic.....**8P2K**. I wanted to contact many EU stations; however, condx didn't allowed that. Expect

me next year.....**AH0/N2IU**. After contest I always said never again 40m single. Not too many people, but made my best forever result from EA8! Thanks to everybody and apologize to those I did not hear, tough QRM.....**AN8AH**. For me this is the best contest. This year only worked on 10 meters but the propagation is not good for work with only tribander TA33m antenna and only 500 watts with Heathkit SB200. Best regards to all contesters.....**CE4PBB**. Condx were great! 40m band was open to Asia at 3 in the afternoon.....**CN2R**. First time SO2R. Tnx to CT1BOH for lending me his WX0B box, and CT1EEB for lending me his TS2000. This will be my last year as Rookie.....**CT7B**. It's great to claim world record each year starting with 2002, hi. I hope that will be confirmed. My congratulations to Jim, ZD8Z, and Jim, CN2R, for fantastic scores. I think this year SOAB, SOSB 7 and 21 is break. I don't know about another band.....**D4B**.

Nice contest with five new ones for DXCC.....**DL2DVL**. This was my first WPX contest this year and it was a fine contest! Okay, two nights without much sleep, but the big activity was just great. It was a bit difficult with 100W to make big QSO

rates, because my beam (TH6DXX) didn't work fine, as usual....**DM2SR**. Thanks to Dej, E21YDP, for support station and thanks to all for QSOs.....**E21EIC**. Spent some time on top of a cherry picker checking the lengths of the elements on my X-7 on Saturday. They were way off and not sure how it happened! Had a good time nonetheless.....**E14CF**. Condx were very variable; 15m was not open Saturday with North America; better Sunday. 10m nearly dead. As usual many good DX on 40m....**F6FTB**.

Not a very serious effort for this one No 10m and no 15m NA opening. Lots of KW stations fighting it out on 20 and below. But still good fun as long as you don't get too frustrated!....**G0MTN**. 10m was dead, but 40m was three deep on every frequency!....**G6CSY**. Part time effort, great fun.

Blew out the winter cobwebs!....**GM4AFF**. First big single-op contest from home shack after contesting as multi-op of VE6AO. Was a really nice contest, even as a little pistol! Second day better conds. Thanks for this great contest.....**HB9TQG**. Just a small entry into contesting and to give away a few points to those who can hear me. Nice to work some DX using my vertical dummy load outside that does not really deserve to be called an antenna :). Hope to have a better setup next time....**HS0ZEN**. It was tough for the station without beam antenna during low sunspot period. I was using a trapped vertical antenna that was installed on the 14-stories building. But it was fun. Thanks a lot....**JJ1MZH**. This was my first WPX contest. It was a lot of fun. I'm a rookie at contesting yet I am hooked. I had very limited time on the air over

CQ WW WPX SSB CONTEST ALL-TIME RECORDS

The contest is held each year on the last full weekend of March. The All-Time Records will be updated and published annually. Data following the calls: year of operation, total score, and number of prefix multipliers.

WORLD RECORD HOLDERS

Single Operator			
1.8	SO2R('05)	756,105	399
3.5	EA8/OH1MA('97)	4,317,284	562
7.0	CN2R('05)	14,724,696	931
14	EA8AH('97)	11,142,198	981
21	ZD8Z('05)	17,129,112	1196
28	D44AC('02)	15,707,401	1123
AB	D4B('05)	26,871,482	1271
QRP/p	HC8A('94)	7,520,562	714

Multi-Operator Single Transmitter			
D44TD('02)		33,443,856	1332

Multi-Operator Two Transmitter			
PJ2T('05)		31,091,725	1225

Multi-Operator Multi-Transmitter			
HC8N ('03)		60,703,452	1476

U.S.A. RECORD HOLDERS

Single Operator			
1.8	K1ZM('95)	327,712	308
3.5	WE3C('95)	1,519,300	475
7.0	KC7EM('95)	1,950,228	495
14	KK9A('00)	6,621,446	962
21	KX8R('00)	7,556,250	930
28	NY4A('00)	6,006,573	877
AB	KQ2M('00)	11,875,240	1066
QRPp	KR2Q('00)	2,688,158	649

Multi-Operator Single Transmitter			
KM3T('99)		14,091,468	1077

Multi-Operator Two Transmitter			
KM4M('04)		13,025,033	1171

Multi-Operator Multi-Transmitter			
KM3T('00)		29,338,460	1355

CLUB RECORD

Contest Club Finland ('00)250,320,141

QRPp RECORD

HC8A('94)7,520,562

WPX (Prefix) RECORD

OT0A('00)1528

CONTINENTAL RECORD HOLDERS

AFRICA

1.8	EA8/OH1MA('99)	404,976	208
3.5	EA8/OH1MA('97)	4,317,284	562
7.0	CN2R('05)	14,724,696	931
14	EA8AH('97)	11,142,198	981
21	ZD8Z('05)	17,129,112	1196
28	D44AC('02)	15,707,401	1123
AB	D4B('05)	26,871,482	1271

ASIA

1.8	*YM0T('05)	486,846	222
3.5	UA9CSS('94)	1,074,780	315
7.0	H24LP('87)	5,348,975	503
14	H2A('91)	6,297,464	758
21	7L1GVE('92)	6,848,136	838
28	H22H('00)	9,092,146	931
AB	JY9NX('01)	15,463,485	1017

EUROPE

1.8	SO2R('05)	756,105	399
3.5	SO2R('04)	2,543,708	643
7.0	9A9A('99)	4,624,188	724
14	DJ7AA('00)	7,955,224	1052
21	CQ1BOP('00)	6,989,997	1029
28	GM7V('00)	8,305,756	982
AB	OK1RI('01)	10,844,592	1034

NORTH AMERICA

1.8	VA1A('99)	535,225	271
3.5	VE1BY('00)	2,226,300	492
7.0	TI4CF('05)	8,057,479	751
14	KP2A('95)	7,088,976	912
21	WP3R('98)	10,167,632	986
28	KP2A('00)	11,385,710	1046
AB	8P9AM('05)	18,516,316	1183

OCEANIA

1.8	AH6PR('99)	18,963	49
3.5	WH7Z('03)	1,208,900	308

7.0	WH7Z('99)	4,582,773	507
14	KH6ND('03)	6,493,727	887
21	AH7DX('00)	7,645,990	890
28	TX0DX('00)	12,049,422	847
AB	KH6ND('01)	15,498,798	1029

SOUTH AMERICA

1.8	YV5JEA('84)	40,320	63
3.5	P40A('96)	1,715,076	426
7.0	ZX9A('97)	10,787,128	814
14	PY0FM('95)	9,660,432	939
21	ZW5B('95)	14,095,142	1054
28	ZX5J('99)	14,405,820	1095
AB	HC8A('01)	25,180,199	1199

MULTI-OPERATOR SINGLE TRANSMITTER

AF	D44TD('02)	33,443,856	1332
AS	5B/AJ2O('05)	28,966,272	1252
EU	9A7A('02)	19,034,950	1306
NA	VP2EC('92)	24,409,580	1115
OC	T33RD('99)	17,778,372	998
SA	HC8A('93)	32,502,677	1107

MULTI-OPERATOR TWO TRANSMITTER

AF	TS3A('05)	30,460,277	1139
AS	A61AJ('04)	30,157,650	1255
EU	RU1A('04)	16,054,404	1257
NA	V47KP('03)	15,958,488	1092
OC	KH7X('05)	20,910,656	1066
SA	PJ2T('05)	31,091,725	1225

MULTI-OPERATOR MULTI-TRANSMITTER

AF	CN8WW('99)	55,151,562	1334
AS	P3A('00)	53,554,592	1456
EU	9AY2K('00)	42,477,343	1493
NA	WL7E('00)	42,013,215	1395
OC	KH7R('02)	32,806,032	1304
SA	HC8N('03)	60,703,452	1476

the weekend. What time I did have was lots of fun. I can't wait until the CW contest.....**K1USC**. First time in SSB WPX. Running at low end of low power (Argonaut V at 18-20W) to an 88-ft. doublet up 20 feet.....**K2EKM**. Gotta love the WPX contest! My favorite..... **K2HVE**. God can we please have an SSB DX weekend without a storm?.... **K3MD**. A few hours of hilarious fun!.....**K6OWL**. Thought I'd make it a challenge this time and do the contest with 100 watts! I did better than I ever dreamed I could on low power!.....**K6TIM**. Had lots of fun. Great to contact so many countries when the bands seem down. Should be even better next year!..... **KB8UUZ**. What a great way to analyze the performance of your new station.....**KC8YSW**. I had a very fun time even though I did not make many contacts. I especially enjoyed the late-night work on 40m and 80m. I even made my first contact ever on 80! All my contacts were very nice, encouraging, patient, and helpful.....**KD7EJC**. Easter holiday and poor band conditions. 10 and 15 were totally dead. Afternoon on Saturday and Sunday was the best on 20 meters. Did manage a few contacts on 40. Superior radio, inferior antennas. Better shape next year!..... **KL8DX**. I can sure tell I'm not located in the propagation capital of the world. I doubt I heard even 300 stations total all weekend, let alone thousands, but to the big gun EU. Stations on 40 who CQed without responding to anyone, u were 59 MT.....**KS7T**. First contest with my new monster antenna. Technically I am a US Rookie, but realistically I have been licensed for 46+ years in other countries.....**KY6LA**. This was my first SOAB operation in this contest. CU you next year with better antennas and also I will be able to run SO2R. 73s and good DX from new contest station in Luxembourg.....**LX7I**. First time in CQ WPX contest and had a great time. Life would have been difficult without using SD, so many thanks to EI5DI for its production. Many thanks also to the willing helpers working in the background finalizing results—much appreciated.....**M0OIC**. Hard work with 5W but pleased to get ZD8, 8Q7, ST2, and VP9. Really pleased that so many operators pull out the weak ones! Great contest.....**M3RCV**.

Conditions were better on the second day. Worked some good multipliers from Africa on 15m. Did find it difficult on the lower bands, of course, with QRP. But all in all a fantastic contest. Finished just after 1900Z on the second day to go to sleep.....**MM3AWD**. Excellent contest. Conditions to NA were better than expected; some super strong signals on the band. Will be back next year. Thanks to all who called.....**MUZZ**. Now that was a fun contest. Even though solar flux wasn't very high I was able to consistently search & pounce a steady stream of stations. If it wasn't a holiday weekend, I likely would have been able to do a personal best..... **N3GNW**. Fairly reasonable

conditions, although there was fairly intense QSB into Europe on the second day. I might have scored higher if it had not taken me all of the first 8 hours of the contest before discovering that my anteauna was pointed 180 degrees away.....**N3HBX**. Fourth time in SSB WPX. Before I've taken several hours off, to go out in the evening or enjoy spring weather (I'm more serious about CW contests). This year weather was terrible. Nothing else to do, so put in 26 hrs and got personal best in QSO points..... **N3UM**. Tough condx for those of us reduced to dipoles!.....**N4GG**. Excellent condx for my marginal equipment.....**N6QZS**. This is the one and only time of the year when I wish I had a weird callsign.....**N7ZG**. Great conditions on 15-80 meters. 10 just never opened up. Thanks to all the SA and Canadians for being there. 73 es go Mad River!**N8IE**. First time I tried contesting was earlier this year for the ARRL SSB contest. This is my second attempt. Had a lot of fun and hope to come back next year.....**N8ILU**.

There was no real strategy involved; I just tuned up the band and called anything I could hear. Only made about 20 QSOs running. I was loud enough to work almost anything I heard, but not loud enough to hold a frequency and run.....**NB1B**. Very limited time to operate this year (less than 12 hours). Fair conditions and activity: but generally tough going from here in the black hole with 3 watts.....**ND0C**. My employer decided that WPX weekend would be a great time to move five broadcast stations in Birmingham, AL. I was only able to operate a couple of hours. Thanks to N4JF for letting me use his station.....**NF4A**. Thanks to Charlie, NF4A, for getting permission from NK4A to use his call again. The numbers didn't look very good, but I thought condx were outstanding except for the bad storms all over the place.....**NK4A**. My second low power test. Had a ball and still learning. Had problems getting into some areas because low power, but fun no less. Good to work KG6DX again. My thanks to K0UK for opening his home again for me to compete.....**NT4TT**. Nice contest. Although I took part as SOAB I mainly worked on 20m (I had some antenna problems on 15m and no antenna for bands under 20m). Participation as SOSB 20m would have been better. See you next year or in next contest!.....**OE8WOQ**. Balancing the weekend between the family, contesting, and DXing. The linear made the radio room like a sauna, as the closed door that was needed to keep the children out kept hot air inside. Next time I apparently need to do QRP....**OH3BU**.

Absolute band blackout both Saturday and Sunday during afternoon. Anyhow it was a nice weekend and might have been even better if pipelines to US and EU were open. Great contest. First time with IC-756PROII voice memories. What a voice saver!**P29NB**. My birthday occurred during the contest. What a great present two years in a row!.....**P40A**. Like always, breaking my own best mark was the mission, and I was fine on that. Never 2000 QSOs before in a single band situation. Thanks all of you, my friends, and congratulations to YLs. More than ten YL's in my log!..... **PY2NY**. My father helped me to make few contacts. I am 12 years old. Thank you for contest and see you again.... **SP4PBI**. Participating for the second time, now with Amiron ALS-500M amplifier. Never got more than 250W using 12V car batteries. Great fun. Thanks all.....**TF3AM**. The lack of sunspots shows but still some north-south on 10. 76% of QSOS NA as to be expected at this point of cycle. Thanks to TI5KD for use of the fb station again.... **TI5N**. If I told you that you were just above my noise level during the contest don't be concerned about your signal. It meant that you were 20/9! On 160m it was the QRN contest not the WPX contest this year! Still lots of fun though, in a sadistic type of way.... **VE3MGY**. A huge hailstorm with a lightning strike within 500m put me off the air for several hours. Plenty of fun in this contest as usual. The tribander was only up 8.0m so I am very please with the results. Too much time not in the chair but yapping with my host**VK3TZ**.

Pile-ups were big and glad to work all the stations that needed VQ9 in their log.....**VQ9LA**. Operated without indicator light working on rotator, so at night I had to open a window in the next room and shine a flashlight up at the beam to see where it was headed.... **W1CU**. At this stage of the cycle, QRP on 10 meters was still pretty exciting. 77% of my 74 Qs were in South America. Many thanks to all the Argentine stations with their many prefixes!.... **W6QU**. My biggest thrill was working 5U7B (Niger) with 5 watts!.....**W8VE**. Don't know why, but first time to participate in WPX SSB contest. Will certainly keep this event on my contest calendar for next year.... **WA7LNW**. Could not work full 36 hrs due to other commitments, but I had a lot of fun anyway. Was happy to see soooo many familiar calls. Memorable moment was that my very last QSO was an OD5 in Lebanon on 40m....**WB2QLP**. The best part is working old friends.... **XE1KK**. We had six mortars incoming around 1300Z on 27 March 2005. Wish I could get a few extra multipliers during that time. Worked 1020 QSOs, most operating at one time. I am worn out! There are several of us American hams here in Iraq who are gonna work a multi....**Y19QWO**. This was so much fun! I ended up operating without interruptions and put in 20 hours. The effort resulted in two things—a personal-best score and loss of my voice. Thank goodness for my prerecorded messages in Writelog! 73 de Korey—Camp Cooke, Iraq....**Y19VCQ**. I am 13 years old and this is first my WPX contest.....**YO7MDE**. A great contest. Bands not too good, but I had a lot of fun.....**ZS6RAE**.

CONTINENTAL LEADERS

AFRICA		SOUTH AMERICA	
1.8	CT9M.....148,577	21	*YB1BAD.....1,747,724
3.5	No Entry	28	*V73KJ.....46,822
7	CN2R.....14,724,696	AB	KG6DX.....3,754,025
14	EA8EW.....8,719,848	SOUTH AMERICA	
21	ZD8Z.....17,129,112	1.8	No Entry
28	*AM8AKN.....75,485	3.5	*YY5YMA.....189,406
AB	D4B.....26,871,482	7	4M5DX.....3,789,672
ASIA		14	PY2NY.....4,922,663
1.8	YM0T.....486,846	21	PY1KN.....7,503,520
3.5	RX9UKF.....77,056	28	LU1HF.....4,434,977
7	RZ0SR.....283,290	AB	9Y4W.....18,548,160
14	4L8A.....6,279,069	MULTI-OPERATOR SINGLE TRANSMITTER	
21	ZC4LI.....1,572,480	AF	CQ9K.....21,831,270
28	5B/M0XAA.....748,500	AS	5B/AJ2O.....28,966,272
AB	RK9CWW.....6,197,370	EU	OM8A.....13,351,275
EUROPE		NA	HI3CCP.....13,318,272
1.8	SO2R.....756,105	OC	YB2ZDR.....1,828,190
3.5	SN3A.....2,369,664	SA	LR2F.....15,358,666
7	UU7J.....3,389,358	MULTI-OPERATOR TWO TRANSMITTER	
14	CT8T.....6,703,695	AF	TS3A.....30,460,277
21	DL3TD.....2,137,194	AS	RY9C.....2,947,466
28	*S57S.....78,600	EU	ES70Q.....13,070,739
AB	DL6FBL.....9,750,351	NA	VE7SV.....9,248,472
NORTH AMERICA		OC	KH7X.....20,910,656
1.8	*VE3MGY.....170,754	SA	PJ2T.....31,091,725
3.5	W3BGN.....785,312	MULTI-OPERATOR MULTI-TRANSMITTER	
7	TI4CF.....8,057,479	AF	No Entry
14	W7WA.....3,797,420	AS	UP5G.....21,245,070
21	KP4WWW.....4,934,388	EU	OT5A.....22,915,900
28	V31LZ.....779,943	NA	NQ4I.....15,111,810
AB	8P9AM.....18,516,316	OC	ZL1V.....10,881,579
OCEANIA		SA	YW4M.....32,163,974
1.8	No Entry	*Denotes Low Power	
3.5	*YC2MXV.....130		
7	KH6FKG.....936,900		
14	*YB2DX.....464,091		

(Continued on page 105)

Number groups after call letters denote following: Band (A = all), Final Score, Number of QSOs, and Prefixes. An asterisk (*) before a call indicates low power. Certificate winners are listed in bold-face. (Note that the country names and groupings reflect the DXCC list at the time of the contest.)

2005 SSB RESULTS
SINGLE OPERATOR

QR/P		QR/P	
TI5N	A	1,750,266	14 522
Y7TY	A	983,135	924 518
K1LMLR	A	860,662	740 415
UA3BL	A	825,920	887 464
OM7DX	A	771,579	829 459
TE2M		764,014	859 391
(Op: N0KX)			
N8IE	A	636,157	717 391
VE6EX	A	514,885	663 313
RW3AI	*	399,990	624 335
OK1VBA	A	319,030	449 305
K3WW	A	299,200	417 275
VA3DF	A	268,515	394 243
UA9SG	A	242,775	394 249
RA9SC	*	232,650	360 225
ES7OL	A	219,310	376 241
(Op: ES6PZ)			
H1BAY	A	211,218	359 282
M3RCV	A	202,275	432 279
KR1ST	A	178,772	350 239
NX9T	*	177,895	354 235
EA1TI	A	177,156	335 259
W1NT	*	176,204	310 217
LUI7K	A	173,290	333 215
N8DC	A	165,648	232 232
YO4AAC	A	142,506	269 182
WB8JUI	*	129,150	272 205
SP9ROH	A	127,544	303 214
IK5RUN	*	127,500	253 204
VE6BF	*	123,606	260 162
MM3AWD	A	96,248	281 212
RA4HW	*	95,790	294 206
LY3BY	A	94,822	270 182
YU1LM	*	92,112	263 202
OK1JOC	*	77,952	244 174
LA2MOA	A	77,376	241 186
N1TM	*	63,516	173 134
RZ9IB	*	57,546	172 139
UV1G	A	54,776	209 164
(Op: UT7GX)			
RX6LP	*	52,098	152 114
M5AAV	*	47,090	211 170
PA3AM	A	47,088	173 144
WABREI	*	46,728	181 132
RA9WPX	*	45,496	133 94
K4AQ	*	32,032	178 112
RX9WN	*	31,588	124 106
YO2MAX	*	28,514	135 106
DH0JAE	A	27,930	114 114
AB8DF	*	27,573	120 101
HA1CW	A	24,396	130 107
KT8K	*	22,971	107 93
N4ZAK	*	22,736	126 98
NA4BW	*	21,669	131 93
N8XA	*	21,240	108 90
RV1AT	*	18,585	120 105
AM3FF	*	18,408	89 78
(Op: EA3FF)			
UA0SBO	A	15,844	94 68
US0YA	*	13,524	77 69
US0YW	*	13,384	68 56
JR1WVW	A	9,576	68 57
JK1TCV	*	4,774	43 31
W2JEK	A	4,242	45 42
USBU	*	3,713	49 47
(Op: UTSUPN)			
K9GY	*	3,071	42 37
W8VE	*	2,542	32 31
DF7LSA	*	1,104	26 24
W1CEK	*	570	17 15
UN7FZ	A	420	14 14
H89TJW	*	144	9 9
N2YM	*	45	5 5
LJ8EOT	28	93,060	226 165
W6OU	28	12,772	74 62
(Op: W8OZA)			
YO2LYN	28	6,952	56 44
CX4AD	28	2,346	37 34
PY2MTV	28	2,160	32 30
JH3DMLQ	28	1,900	39 30
SO9DJG	28	1,540	27 20
IA1BYA	28	969	19 17
NB1B	21	246,372	394 294
RA9UAD	21	145,340	308 215
RZ6HX	21	47,232	160 144
RZ3VA	*	29,149	117 103
JR1NNK	21	17,459	99 79
WA6FGV	21	15,916	111 92
RA3XEV	*	13,286	88 73
WB7OCV	21	7,482	59 58
J18GZ/I	*	3,060	46 36
YT2B	21	2,212	29 28
VA3JFF	21	1,272	24 24
PA1V	21	792	24 22
KW2BAA	21	520	14 13
DH8BOA	21	518	17 14
YO5KUA	21	153	9 9
(Op: YO5OOF)			
7K1CPT	*	91	7 7
JL8HLI	*	55	5 5
S57MSU	14	347,976	544 358
SO9L	14	113,565	285 201
(Op: S9PUM)			
VA3VF	14	55,020	164 140
SM6CRM	14	20,875	129 125
G4KIV	14	14,896	108 98
OZ6XR	14	13,870	114 95
SP9BHM	*	8,140	86 74
HG1LPS	14	3,450	51 50
OH2BUZ	14	2,835	47 45
9A8MM	14	2,668	52 46
LA1PHA	14	49	7 7
S54AA	7	2,872	285 238
YO7MDE	7	27,720	117 105

LUBEGS	7	960	15 15
OL4W	37	97,983	262 191
OM6TX	3.7	23,958	122 99
AM3CKX	3.7	14,091	85 77
K3BU	1.8	11,115	103 65
ES6PZ	1.8	4,343	49 43
UNITED STATES			
KO2M	A	9,089,410	3222 1045
K1LZ	A	2,303,616	1372 672
W5ZD	A	1,497,156	951 537
WA1JMP	*	1,085,596	837 508
ND1X	*	765,320	847 424
K5MA	*	487,830	533 345
W1BYH	*	485,080	518 335
NG1I	*	405,504	656 352
NY1Q	*	217,854	346 247
K1BV	*	214,490	345 241
KC1F	*	163,398	3 226
NN1N	*	95,858	208 167

N2MM	21	963,569	907 499
N2GM	*	250,784	392 272
N2GC	7	27,753	91 87
W2MF	1.8	39,760	144 112
*NJ1F	A	226,512	384 242
*KM2O	A	203,196	340 246
*WA2MCR	A	202,320	324 240
*NZLK	*	163,020	308 209
*K2ZSY	*	132,205	261 193
*K2ZSOW	*	105,789	266 197
*K2VM	*	104,144	267 184
*K2YLH	*	88,644	253 166
*KB2DE	*	80,355	210 165
*W2VU	*	67,044	178 148
*WF1L	*	63,655	205 145
*K2TV	*	56,851	160 139
*W5S16	*	56,516	168 144
*W2ZRY	*	46,080	155 128
*WA2UET	*	41,125	167 125
*W2MKW	*	40,248	149 117
*WB1ERE	*	32,760	134 94
*N2MTG	*	27,918	119 104

*NF3R	*	31,473	149 117
*KA3PVA	*	24,890	114 95
*KB3MM	*	17,325	91 77
*AB3BO	*	14,972	92 76
*AA0CY	*	3,626	39 37
*K3VED	*	3,605	39 35
*AD8J	*	3,328	37 32
*KD4MCM	*	27	3 3
K4ZV	A	8,883,951	3627 1059
K4ZW	A	7,107,828	2841 897
AD4TR	A	1,904,448	1517 654
KR4M	*	774,936	713 423
NJ2F	*	541,782	658 381
W4NZ	*	514,624	593 344
WB2ZLP	*	435,500	590 335
NK4DG	*	416,876	568 356
W4NTI	*	350,497	499 311
W2OO	*	349,800	436 275
W4VE	*	300,849	425 289
N4UH	*	144,557	259 193

*W4LBR	*	114,835	255 193
*W4XO	*	101,851	276 179
*WA4QSD	*	99,544	269 184
*W4TTX	*	93,080	243 179
*N4HXI	*	86,000	251 172
*W4TDB	*	73,710	201 162
*K4NKY	*	72,450	226 150
*NAESS	*	66,861	209 153
*K4ACW	*	65,420	230 166
*K4RFK	*	57,820	179 140
*K4EJK	*	56,420	162 130
*N3UA	*	53,820	145 115
*KA4AXS	*	41,097	176 133
*W8EHH	*	36,848	175 112
*K4IE	*	34,470	124 110
*W4WNT	*	34,410	142 111
*WA4BKW	*	33,745	200 150
*KG4OJT	*	31,080	137 105
*K4PPK	*	29,892	130 106
*WN4DX	*	26,877	106 83
*KG4MWO	*	26,602	114 94
*WA3OFC	*	23,970	98 85
*K4FTO	*	23,276	128 92
*K4AH	*	19,635	101 85
*K4D6AKC	*	17,347	96 83
*AE4EC	*	17,347	93 83
*K3MZ	*	17,017	90 77
*WVZDDM	*	15,150	90 75

*KU4UV	*	15,120	105 84
*K4LW	*	12,921	78 73
*KBBUFP	*	9,796	66 62
*W4PI	*	7,668	56 54
*K2EKM	*	5,734	52 47
*AG4ZM	*	1,624	33 29
*AD4AX	*	1,590	31 30
*K4DXU	*	1,449	26 23
*W4OQG	*	1,400	30 25
*KU4YW	*	1,008	25 21
*K5VG	*	900	19 18
*N9XY	*	738	18 18
*K4VDJ	*	561	19 17
*K4KUZ	*	70	5 5

*W4ABBPV	*	12	2 2
*NA4W	28	138,000	324 200
(Op: K4WI)			
*K9OM	28	29,205	123 99
*W4JIK	*	7,546	54 49
*K4IVB	*	731	17 17
*W4AFX	21	12,816	75 72
*W4O4X	*	5,472	53 48
*NA4MO	14	400,680	455 360
*KZ5OH	14	151,305	281 231
*W9IGJ	*	81,796	193 169
*K4JBD	*	128	8 8
*VE3NLP/W4	*	45	5 5
*K4AF	7	12,240	54 51

K5TR	A	4,645,318	3102 862
N2IC	A	4,610,205	2813 795
W5WU	A	3,448,956	2297 798
K1SDR	*	3,105,008	2315 752
W5PF	*	198,374	324 254
KU5S	*	102,249	258 189
N5BD	*	96,025	206 167
N6ZZ	*	69,560	198 148
K5SF	*	34,270	143 115
KC5DJ	*	13,345	99 85
KD5VID	*	9,858	71 62
KESBUD	*	1,248	26 24
N5PU	*	372	12 12
KJ5Y	28	466,264	787 349

NQ5K	21	672,035	897 455
(Op: W5ASP)			
*W5DK	A	1,522,092	1306 572
*N5DO	A	926,287	950 449
*W9DX	A	506,484	656 396
*W5GAI	*	328,302	446 299
*K5ELQ	*	289,742	468 277
*W5KXCX	*	110,370	268 195
*W5WU	*	102,600	268 180
*W5AQO	*	85,575	257 175
*W5BIZD	*	79,975	245 175
*WB5TUF	*	68,160	206 142
*K5EOG	*	66,248	293 169
*K5WWT	*	65,268	210 147
*N5XS	*	58,144	

SP6EO	*	25,594	102	82	RN3OG	*	40,553	134	107	UTS0ML	*	466,200	569	360	*4N1N	14	1,401,366	1425	622	*PP5BZ	*	59,202	166	143
SP6RLK	*	14,925	77	15	UA0MZ	*	30,086	121	98	UT0LZ	*	361,760	455	323	*4Y1BK	14	1,167,774	1202	573	*PY3VD	*	36,822	135	114
SP4AVG	*	7,200	68	60	RA3AL	*	25,149	102	83	UT0ECZ	*	191,456	393	248	*YU7YZ	14	381,300	488	310	*PY2SRB	*	33,354	126	109
SP9QMP	14	1,666,528	1359	608	UA3DEE	*	18,542	98	73	USSUO	*	131,452	317	236	*YU1TLT	7	299,600	405	280	*PU2MXX	*	29,150	129	106
SN2R	7	21,976	94	82	RA3UT	*	1,575	25	25	US1MM	*	94,482	225	174	*YU1AAV	*	1,268,064	1019	504	*PY2RH	*	10,985	75	68
SP4UJZ	*	17,608	75	71	RW6FO	*	864	18	16	UR7IRL	*	81,890	249	190	(Op: YZ1VZ)	*	593,072	654	367	*PY5TJ	*	3,458	39	38
SN3A	3.7	2,369,664	1358	612	RA3IH	21	1,000,440	1122	531	UR5ZMK	*	40,434	173	138	*YU1AV	3.7	972,074	931	452	*PU2TES	*	2,775	41	37
SN7Q	3.7	2,031,386	1357	571	R24HN	21	1,000,440	1122	531	UR4EI	*	15,484	106	98	(Op: YU1AU)	*	484,516	626	356	*PS8NF	21	465,975	513	327
S04MP	*	892,143	919	441	UA1CKC	*	173,304	325	232	UR5AKI	28	29,892	23	22	*YU1UO	1.8	7,524	62	57	*PT2ND	*	326,151	415	279
S02R	1.8	756,105	851	399	R03A	14	2,939,480	1950	900	UR03AF	28	29,892	(Op: R03AF)	*	124,868	273	212	*PR7MT	14	289,300	378	263		
*S09JXW	A	1,166,790	996	534	RA3CW	14	992,348	1140	581	U0UJM	21	1,511,895	1347	605	(Op: UT8NA)	*	986,990	829	458	*PY6KY	*	32,860	114	106
*S09IDE	A	622,635	706	403	RA6DB	*	714,378	928	511	U8VM	21	1,113,936	1158	552	(Op: UX3MR)	3.7	972,704	931	452	*PR7AYE	*	27,260	104	94
*S09MZ	A	469,924	583	364	R44LBS	*	435,690	668	423	EM7J	14	4,452,126	2699	994	(Op: UX3MR)	3.7	220,640	487	292	*PY2ZA	*	6,708	53	52
3Z75Z	*	340,275	485	325	R23AZ	*	431,112	726	426	UT4EK	*	149,292	374	261	(Op: UT8NA)	3.7	220,640	487	292	*PY3AUB	*	3,848	40	37
*SPAGF	*	320,568	505	296	RN4AD	*	423,300	684	411	UT7MD	*	22,506	126	121	(Op: UT8NA)	3.7	5,217	50	47	*PS8ET	*	2,610	32	29
*SP2DNI	*	286,080	457	298	RK1AM	*	60,680	246	185	U0UJZ	7	3,389,358	1469	707	(Op: UT8NA)	A	291,375	509	315	*PR7BOK	7	9,120	41	40
*S275GF1	*	371,963	458	283	RA6AK	3.7	190,216	341	236	UT4EK	*	149,292	374	261	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	RA6AF	3.7	109,048	252	172	UT7MD	*	22,506	126	121	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	RX30M	3.7	26,964	122	107	U0UJZ	7	3,389,358	1469	707	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	UA6AKG	*	23,250	118	93	U0UJZ	7	3,389,358	1469	707	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	RW6HJV	*	17,600	96	88	U0UJZ	7	3,389,358	1469	707	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	RN3ZJZ	1.8	8,460	108	45	U0UJZ	7	3,389,358	1469	707	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*UAJFER	A	2,541,096	1908	696	U0UJZ	7	3,389,358	1469	707	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	R03OW	A	1,494,640	1343	595	UT0LZ	*	361,760	455	323	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*R03AN	A	1,300,102	1280	566	*UAJFER	1.8	1,494,640	1343	595	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RV3FF	A	1,280,811	1183	549	UR5MMN	21	1,511,895	1347	605	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RW3GB	A	1,132,032	1126	528	*USSII	A	835,968	824	448	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RN4WA	A	1,067,088	1426	516	*UR6MX	A	811,644	847	478	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*UA3ABJ	A	929,856	860	464	*UX4UA	A	598,636	648	375	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RW3GU	A	543,752	721	407	*US3IZ	A	481,875	620	375	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RV3OX	A	306,778	490	314	*UR6OS	A	318,359	502	307	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*UA3ACP	A	301,788	580	332	*UT1ML	A	233,280	240	288	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RK4HD	A	301,474	468	307	*USSWEP	A	196,750	308	250	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*UA4FEN	A	301,392	499	312	*URBOR	A	156,545	355	239	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*U4ALL	A	281,065	495	335	*UY5TE	A	134,244	313	226	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RW1CW	A	242,471	477	289	*UT4WM	A	116,511	295	213	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RA4LE	A	212,232	445	296	*UX8IR	A	104,804	262	197	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*UA4LA	A	208,824	388	264	*UX5EF	A	52,480	201	128	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RN4ACO	A	189,372	393	258	*UX8ZA	A	49,776	180	136	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RZ3DA	A	179,304	317	241	*USSEK	A	28,200	154	120	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RK4HD	A	175,423	290	287	*UT1UA	A	24,628	102	94	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RZ3DVR	A	154,481	326	241	*UR7GX	A	23,940	112	95	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RV4HC	A	141,840	356	240	*URS5ZH	A	7,056	65	56	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RZ1AU	A	130,592	312	212	*UR4UGL	A	572	18	11	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RW3DL	A	127,908	310	228	*UT5UNY	A	429	13	13	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*UA4AN	A	123,998	341	238	*UT5UJY	A	128	8	8	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RV3IC	A	123,319	307	223	*UR4MRD	28	28,906	126	97	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RZ3FR	A	119,548	295	209	*UT4IZL	21	386,260	643	356	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RK4HD	A	118,152	291	216	(Op: US61G)	A	101,952	347	192	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*UA3BZ	A	110,208	235	197	*US7JGF	A	101,952	347	192	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*R03AS	A	101,600	274	200	*UL7JN	A	19,694	99	86	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*UA6ECU	A	99,552	260	183	*UR5HAC	14	966,456	1142	558	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RN3RO	A	97,012	248	158	*EM2U	14	786,570	1090	501	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RV3LA	A	95,632	246	172	(Op: UV2UA)	A	287,000	534	350	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RV1CB	A	95,256	242	189	*UR6J	*	287,000	534	350	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RN3RF	A	84,816	233	171	*USSOSF	A	151,256	334	259	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RV3LO	A	82,792	206	158	*UUS5WW	A	101,004	339	228	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RA6LG	A	78,057	226	177	*UY2AGL	A	165	145	15	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*UA3WHF	A	72,420	186	142	*US0HZ	7	145,122	261	201	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*UA3MEJ	A	71,736	180	147	*UU4JKY	3.7	316,240	651	295	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*RU4WE	A	67,032	223	171	*UT5UKY	*	27,100	116	100	(Op: UT8NA)	A	291,375	509	315					
*S275GF1	*	371,963	458	283	*																			

