

JA1BK is shown here at the blackboard at BY1PK instructing the BY gang on "how to operate, log, and score the CQ WW Contest." JA1MIN and JR1HHL, seated in the front, are ready to assist. One of 10 BY operators in attendance is shown seated. The Chinese are anxious for the CQ WW '83 test!

1982 CQ WORLD-WIDE DX CONTEST C.W. RESULTS

BY LARRY BROCKMAN*, N6AR, and BOB COX**, K3EST

It was early in the evening of the second day of the contest and the JA's were really pounding into California on 15. So, I hunted around for an open spot—no easy choice these days—and started a JA pile-up. What's that—"JA1KSO"! Quickly I checked my dupe sheet, and sure enough, Nob was a dupe. Well, a few "B4, B4's" will give him the message. But hold on; JA1KSO is calling again. Lucky me, there are a couple of other JA's in there. So, we'll give him one more "B4" and pick up one of the other JA's. On the edge of my mind I'm hearing JA1KSO say something else, but shucks, I've been up for 32 hours now and copying two guys at once is not that easy anymore. Oh well, if it's important he'll break in.

It is five months later now, and the place is the Visalia DX Convention. Kan, JA1BK, walks up to me. "Hello Larry," he says, and proceeds to tell me all about his trip to China during the C.W. section of the CQ World-Wide DX Contest. "Sure wish I could have worked you," I said. Then he tells me that he asked his good friend Nob, JA1KSO, to find me during the

second day of the contest on 15 and get me to go up on 21.130 to work him at BY1PK! Oh no. "Didn't you hear Nob?" he asks. Oh no, oh no!

Yes indeed, BY1PK was active in the CQ WW for a little while, and a host of W6's worked him. But listen to this next part. The BY operators were confused by the rules, and put the nix on any real serious operation in 1982. As shown in the photograph, however, our good friend Kan, JA1BK, kindly lectured the BY operators (ten of them) for over three hours on the details of the CQ contest rules and how to operate. You can count on one or more BY operations next year, honest! What great news that will be for all of us. Just in case, though, listen very carefully when you think a JA is calling you.

The All-Band Results

Well, the sunspots took their toll as evidenced by scores in general (see the club results). However, the spirit of competition just could not be suppressed. All told, 25 records fell this year, mostly all-band and low-band records.

In what has to be the clean sweep of his career, Dick Norton, N6AA, managed to capture the all-time single operator, all-band record at 9Y4VT with a whopping 6.9 million points—about 800K better

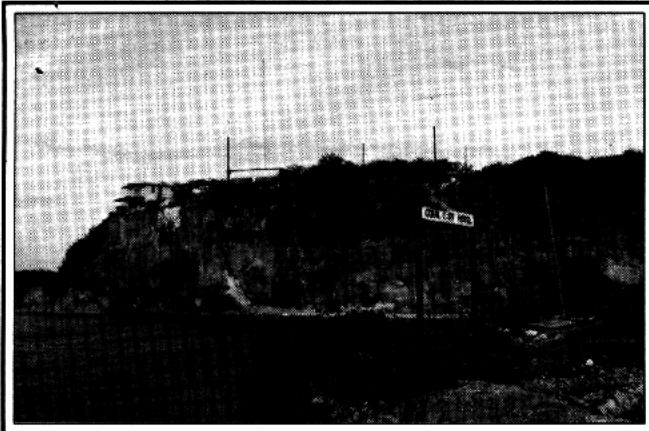
than his 2-year-old 6.1M mark. Although a lot of rhetoric has surfaced about what a difference the point rule makes for the North American competitor, that simply didn't matter this year. Guess what: 9Y4VT would have run away with it even without the advantage. Although 8P6J had 5049 QSOs, Dick amassed nearly the same (4927), but had a tremendous 73 multiplier advantage. Dick now holds both Phone and C.W. records, and he ran away with World high in both those categories this year. A most deserved congratulations, Dick.

Second in the all-band category was Glen, K6NA, with a fine 6.2M score from CN8CX, a new African continental record. A third member of the Southern California Contest Club, N6TJ, finished third at his 8P6J location with 4.6M. With incredible consistency, UF6CR finished fourth, only 300 points out of 4M above his own Asian record of last year.

The glory of the West coast operators ended with their expeditionary efforts, as nine out of the top ten stateside high scores this year were located East of the Mississippi River. Heading a close group of four was John, K1AR, at 2.7M, followed by W1KM (2.67M), N2LT (2.49M), and K1JX (2.42M). It was the bread and butter bands (15 and 20) where John built up a

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This year's super QTH award goes to all-time World-High C.W. record holder for Multi-Multi, P42E, located at the Coral Cliff Hotel (left). Wow! (Right) Here's the P42E crew. Kneeling, AA4S (Ron); left to right N6TU (Bud), WB6SHD (Rob), AA6RX (David), KC8C (Mike), WD4AXM (Dave), N4RV (Jack), K2BA (Bert), N4MM (John), WA2SPL (Joe), W8LRL (Wally), N8II (Jeff).

contact edge that proved too much for his challengers.

In the multi-single arena, the gang at NP4A rolled up a fantastic 11.65M to set new World and North American records, shattering the old 1980 mark of 9.7M by RG6G. The RG6G contingent, manned by the Lithuanian Contest Group, returned this year and came in a close second at 10.4M. NP4A's stateside 10 and 15 meter QSOs proved to be the difference. Tom Taormina's crew at K5RC took the top U.S.A. honors with 3.77M, a scant 20K higher than rival Steve, W3BGN.

The boys at P42E (formerly PJ2CC) returned to set a new World and South American record for multi-multi with 23.3M, amassing over 3300 contacts on 15M alone. A quick look at the photo of their cliffside QTH, and you'll know why they were so loud. Great teams at EW6V (14.7M) and OH0W (14.3M) grabbed second and third in a real horse race, setting new continental records on the way. Stateside, Gene Walsh and the N2AA crowd piled up 9.7M to run away from the others this year.

The Single-Band Results

Activity on the low bands picked up considerably this year. On 160 meters, Fernando, EA8AK, racked up a massive 75.6 K to set a new World and African standard. He was followed by EA9EU and YU3EF, both in the 30K region. The U.S.A. 160 meter winner was Scotty, AE6U, at 5600. Stateside 160 meter conditions were meager pickings at best, and that 5600 represents many hours of just listening to the receiver hiss. That's patience and endurance for you!

On 80 it was Inaki, EA2IA, with just under 200K (and a new European high mark). UL7LCZ took second place at 150K, a new Asian record. K1PT's 73.2K did the trick on 80 stateside.

The big single-band story this year was on 40 meters, where records were set on all continents except Africa. Only N2AA's

old 5A1TW African record (the oldest in our record book from way back in 1964) remains. Herb, KV4FZ, led the field with 536.6K for a new World and North American mark. Tom, N6BT, returned for a second shot in Saipan as AH0C and came in second despite the Woodpecker with a fine 404K (a new Oceania record). He was followed by Frank, 9Y4VU, at 400K (tops in South America). UB5JMR set the new mark for Europe with 398K, while JA5BJC's 288K is the new best for Asia. K1XM led a close field of three W1's with 213K for stateside high. On 20 meters, Yuri, VE3BMV, captured World high at 662K, while Tom, K1KI, was best in the States and fourth worldwide with 545K. Yuri was going after his own trophy—highest combined phone and C.W. single band. But Joel, KG6DX, and his 15 meter efforts on both phone and C.W. spoiled his plan.

Speaking of 15 and 10, they were considerably less lucrative this year and the scores showed it. World high 10 meter honors went to V3TV with 519K. That was about half of last year's winning score, and mostly the effects of propagation. N4WW's 395K was tops Stateside and third World-wide. Despite conditions, that was a new U.S.A. record, one of only two set this year.

On 15, W1RM, a perennial 15 meter enthusiast, established a new Stateside record with a great 483K score, while Daniel, CX7CO, took the World high with 771K.

Other Highlights

The QRP category seems to be gaining steam. This year Salius, UP2BIM, topped a field of 40 all-band entrants with just under 990K, a tremendous QRP feat. Our congratulations!

Beginning this year, we have added a table of high scores by zones. Those of you who are planning for next year will note the need for activity from nine of those zones. Indeed, some zone totals

were noticeably down this year due to lack of activity in zones 2, 10, 12, 22, 24, 26, 35, 36, and 40. A welcome addition was the great all-band effort by Walt, UV3GM, at JT0GM. Walt says he will be back in 1983 as well, excellent news for all of us.

In the club category, the YCCC has taken the club top honors from the NCCC with 20M to spare. Most improved this year was the Southern California Contest Club. Unable to muster the necessary three entrants in 1981 (only two were submitted), this year the SCCC wracked up nearly 70M. The FRC kept reasonably close to YCCC this year, but all club scores were down as a rule—sure signs of the declining sunspots.

Other Comments

Some of you may have noticed that your printed scores are lower than your high-claimed scores. That's not at all unusual. Typically, one third of all competitive scores are reduced for one reason or another. Dupes and busted calls are generally the reason. Duplicates are just inexcusable, and we ask all of you to use dupe (cross-check) sheets. It is best to do over your dupe sheets *after* the contest. We tax you three good contacts for every duplicate we find in the log. That's pretty stiff. Busted calls are a little easier to understand. They are a result of the fact that none of us is perfect. They can be avoided by taking more time and care to copy calls correctly in the first place, and by reviewing the log after the contest. One good technique for those of you who are really serious is to tape the contest and check doubtful calls after the fact. Sometimes the margin between victory and a second-place finish is just a few contacts or multipliers. Therefore, be sure to work on your accuracy; failure to do so could really be costly.

A comment on club scores: At least three submittals are required from a club in order to make the listings. Entries *must*

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be marked with the name of the club, and a letter must be received from the club giving a list of the eligible club members. In the future we plan to delete a club listing if we find that the club has listed someone as eligible when he or she doesn't meet the new 275 km requirement. The burden will be on the clubs to get the eligibility straight, so be careful.

Proper Credit

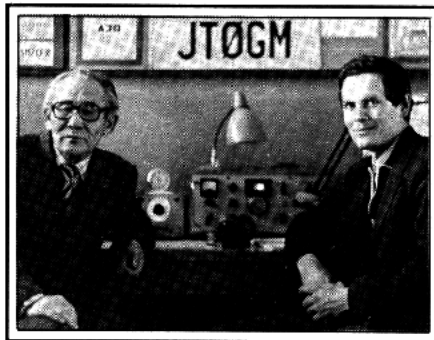
We all should be thankful to our hard working committee for the many hours of time they spent processing the results. New to the committee this year is Jan Perkins, N6AW. The veterans are N6CW (Terry Baxter), K6NA (Glenn Rattmann), N6SV (Reg Toumi), AD6C (Fred Morris), W7EJ (Jim Sullivan), K9DX (John Battin), N2AA (Gene Walsh), K2SS (Dave Donnelly), KR2Q (Doug Zwiebel), N3ED (Ed Moody), K2VV (John Yodis), and K1AR (John Dorr). Thanks to all of you for a job well done. By the way, these are also some excellent contacts for the contest community as a whole to communicate their feelings on the contest.

Well, the phone section of the contest for 1983 is just a few weeks off, so sharpen the pencils, check out the gear, and stand by for the best DX contest going. See you in the pileups!

73, Larry, N6AR, and Bob, K3EST



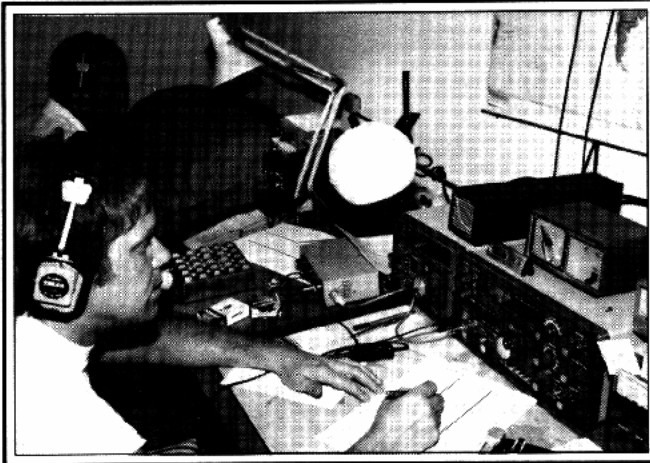
OH0W used this great gear for their highest ever MM effort on c.w. That's Marty Laine, OH2BH, on the right.



Walt, UV3GM (right), put the rarest of the zones (zone 23) on with a bang this year at JT0GM. On the left is station owner Dambi, JT1AG.

TOP SCORES

WORLD		USA	
Single Op All Band		Single Op All Band	
9Y4VT	6,929,450	K1AR	2,762,383
CN8CX	6,234,664	W1KM	2,668,030
8P6J	4,636,763	N2LT	2,494,710
UF6CR	4,613,680	K1JX	2,417,034
4M3BRF	4,232,956	K3LR	2,141,775
DK3GI	2,924,215	K9DX	2,100,372
K1AR	2,762,383	K4PQL/8	2,081,820
5Z4CS	2,703,085	N5AU	2,019,855
W1KM	2,668,030	N3RD	1,988,415
9K2DX	2,560,005	WABYVR	1,962,849
Single Op Single Band 28 MHz		Single Op Single Band 28 MHz	
V3TV	519,048	N4WW	394,940
DJ4AX	400,147	K1ZZ	325,130
N4WW	394,940	K1RM	307,060
YU7ECD	340,360	N4ZC	295,320
K1ZZ	325,130	KT4W	261,030
SV0CT	311,738	WB4TDH	213,909
21 MHz		21 MHz	
CX7CO	771,776	W1RM	483,560
KG6DX	658,728	KR2N	459,249
W1RM	483,560	K1TO	417,628
KR2N	459,249	W0ZV	296,545
K1TO	417,628	K8CX	269,280
LZ2KTS	391,500	N4ZZ	248,372
14 MHz		14 MHz	
VE3BMV	662,454	K1KI	545,930
YU4GD	598,533	AE2A	316,336
CX7BY	562,650	N2PP	314,874
K1KI	545,930	N5CR	296,805
OH5TQ	484,824	KJ9D	292,352
YT3C	464,464	N4EA	286,982
7 MHz		7 MHz	
KV4FZ	536,616	K1XM	213,192
AH0C	404,457	K1UO	189,774
9Y4VU	400,851	K1NA	150,111
UB5JMR	397,578	K4CG	137,400
YV5ANT	322,844	W6AM	127,009
JA5BJC	287,850	K2EK	122,734
3.5 MHz		3.5 MHz	
EA2IA	199,872	K1PT	73,186
UL7LCZ	151,840	K0RF	40,079
UA9TS	133,725	WA4SVO	33,136
LZ2PP	106,088	K4PI	22,656
VY500	96,664	N7RM	13,889
YU4EJC	91,035	N4TZ	10,808
1.8 MHz		1.8 MHz	
EABAK	75,768	AE6U	5,004
EA9EU	38,220	N4SU	3,600
YU3EF	34,860	N4IN	2,848
UA9SAX	30,615	K5GO	2,552
4X4NJ	27,850	K1MEM	2,430
DJ8WL	27,216	K6SE	2,376
Multi-Op Single Transmitter		Multi-Op Single Transmitter	
NP4A	11,648,565	K5RC	3,768,871
RG6G	10,394,658	W3BGN	3,748,580
UK9AAN	5,639,792	N4AR	3,266,068
UK2RDX	4,164,075	N4RJ	2,840,260
F3TV	3,997,892	N1AC	2,807,951
L8D/X	3,922,075	KA4S	2,748,675
Multi-Op Multi-Transmitter		Multi-Op Multi-Transmitter	
P42E	23,295,408	N2AA	9,724,050
EW6V	14,702,688	K1OX	7,582,416
OH0W	14,371,840	K2UA	6,066,906
N2AA	9,724,050	W3LPL	5,849,192
K1OX	7,582,416	N9MM	5,496,425
4N1U	7,329,525	AB0I	4,206,005



5H3BH operators SM0DJZ (front) and SM0AJU (rear) are shown at the operating position. A fine MS effort from zone 37.

UK2PAD: RC21CC, UP2BCR, UP2BF, UP2-038-1541, UP2-038-1600. **UK2PRC:** UP2BBM, UP2BDM, UP2BLA, UP2MB, **UK2RAC:** Club. **UK2RDX:** UR2CW, UR2R2C, UR2R2NA, UR2R2NA, UR2R2NX, UR2R2RH, UR2R2RR, UR2R2R, UR2QD, UR2-083-186 **UK2WAF:** UC2WAZ, UC2WBI, UC2XW, UC2-006-17, UC2-006-27. **UK3PBV:** UA3DFO, UA3-142-1762, UA3-142-1770. **UK3TAG:** UA3TDR, UA3TEU, UA3TFO, UV3TA, UV3TB. **UK3TBF:** Andrei, Serge. **UK3WAF:** Club. **UK3XAB:** RA3XBS, UA3XAC, UA3-127-200, UA3-127-216, UA3-127-204. **UK4ACE:** Edwin, E. **UK4FAV:** UA4FAZ, UA4FBL, UA4FCD, UA4FCO, UA4FCM, UA4FCZ, UA4FDE, UA4FDY, JA4FER, **UK4FAX:** UA4FEM, UA4-148-284, UA4-148-414. **UK4HAL:** Club. **UK4HCR:** UA4HLX, UA4HLY, UA4SBZ, UA9SHO.

UK4NAA: UA4NAX, UA4NBY, UA4-134-602. **UK4PNZ:** UA4PME, UA4PMF, UA4PMW, UA4PML, UA4PNP, UA4PNV, UA4-094-768, UA4-094-786. **UK4WAA:** Club. **UK4WAB:** Club. **UK5ECT:** Club. **UK5FAD:** UB5FDG, UB5-070-462, UB5-070-466, UB5-070-467. **UK5GKW:** Club. **UK5IAI:** EZ5IJS, EZ5IUK, UB5INT, **UK5IBB:** UB5IJK, UB5ML, UB5IUK, UB5IUS, UB5IRM, **UK5IBM:** Club. **UK5ICK:** Club. **UK5LAP:** Club. **UK5LCK:** RB5LLG, UB5-077-1231. **UK5MAF:** UB5MEI, UB5MNX, UB5MNY, UB5MOA, UB5MUU, UB5LX, **UK5MBQ:** Club. **UK5MCO:** UB5ICI, UB5MPN, UB5MRN, UB5MRO, UB5MTS, **UK5MCP:** RB5MST, UB5MCV, UB5MOF, UB5MSW, **UK5MDI:** UB5MBM, UB5MJS, UB5VIC, Alex. **UK5PAA:** Club.

UK5QBE: UB5QBG, UB5QKG, UB5-064-1362. **UK5QCI:** UB5QHW, UB5-064-1435, UB5-064-1468. **UK5UDX:** UB5RCA, UB5UAL, UB5XCM, UB5-365-2. **UK5WBG:** Club. **UK5YAA:** UB5YAE, UB5YAR, UB5YAW, UB5YBX, UB5-082-298. **UK6APA:** UA6APP, UA6APW, UA6AQJ, UA6ARA, UA6-101-693. **UK6BQZ:** UA6FCZ, UF6FHL, UF6-012-301. **UK6GAA:** Sofi, Karen. **UK6HAA:** Club. **UK6HDP:** UA6HNN, UA6HPG, UA6HPV. **UK6LAA:** UA6LBO, UA6LDX, UA6LED, UA6LFA, UA6LEW, UA6LJK, UA6LD, UW6VN, UA6LJU, **UK6LDN:** UA6LJU, UA6LTA, UW6OE. **UK6QAA:** Club. **UK7FAP:** UL7FAF, UL7-027-267, UL7-027-268. **UK7GAA:** UL7GDN, UL7-018-343, UL7-018-345. **UK8NAA:** UM8NAL, UM8-034-1, UM8-034-6. **UK9AAN:** UA9ACZ, UA9AIS, UA9AJD, UA9AKI, UA9ALP, UA9AMU, UA9AQA, UY9BY, UA9-165-938. **UK9ACP:** Club. **UK9ADY:** EZ9ADE, UA9ADH, UA9AFZ, UA9AJA, UY9AT, UA9-165-1655. **UK9OAE:** Club. **UK9OAZ:** UA9OBL, UA9OCI, UA9-145-823. Mike. **UK9UBL:** UA9UAR, UA9ULL, UA9-130-421.

UK8AMM: UA9LAS, UA0AAK, UA0WAM, UA0-103-2. **UK0FAD:** UA0FEV, UA0FEX, UA0-153-252. **UK0LAB:** UA0LEI, UA0LEJ, UA0-107-529. **UK0LAD:** UA0-107-398, UA0-107-541, UA0-107-607, UA0-107-609. **UK0OAA:** UA0OAS, UA0QBB, UA0-098-073. **UK0SBB:** UA0SFD, UA0-124-210, UA0-124-610. **VE2UMS:** VE2GAT, VE2FFE, VE2BLX, VE2FTU, VE2GFH, VE3IY & VE3EEW, VE4D0, VE3PCA: VE3CRG, VE3KKB, VE3MHI, VE2ZP. **VE6AD** & **VE6AMR,** VE6XX, VE6CHW, VE6CCY. **VE7ZZZ:** VE7ENF, VE7ENI, VE7SK.

W2UI & **N3KR.** **W3BGN** & **K2BMI,** N2BA, WA2ZKY. **W3GU** & **K3CY,** W3KY, **W3BJRU** & **Net. W4LN:** WB1HX, KA4TAY, KD4U, KK4Q, N4DUF, N4WH, N4XM, NF4R, N4R. **W4GS** & **KASAPB,** **W5HHM** & **N5EZN,** **W6BH** & **WA6IQM,** **W6BIP** & **WA6DJI,** **W6GAT** & **Net.** **W6SX** & **KAG6SH,** **NE6I,** **WL7E** & **NL7P,** **KL7Y,** **AL7DN,** **W8LU,** **W8ZGY** & **KA9LLJ,** **WBFF** & **K10K,** **N0AX,** **W0WYJ,** **XQ3AA:** CE3JW, WB4ACI/CE3, CE3DW, CE3ZW, **YU7AJD:** YU7ORS, Sasa, Voja, Pred. **ZL2SQ** & **ZL2D0,** **ZY1RR:** PY1BSD, PY1DF, PY1JF, PY1VOY. **3V8AL:** DL5MBY, **DK3DJ,** **4K1D:** UA1AFM, UA1PAM. **4N6HN:** Letic, Milosevic, Kronic. **4U1VIC:** OE1ETA, OE2VEL, WA4EWN, **5H3BH:** SM0AJU, SM0DJZ. **5W5EE:** WA6OET, K6JG, W6OUL, W7CB. **6E5EBE:** AA6DP, WT6SE, NF6H. **K1XA/6V5:** K1XA, W1GNC.

STATION OPERATORS Multi-Operator Multi-Transmitter

AB0I & **W0F1,** **K0JAA,** **WA0TKJ,** N7DF, KJ0U, K00Q, K0LUZ, KJ0D, N4RR, K0RWL, W0JLC, K0FFC, W0BEWD, K0FH, K0ML, K0VBU, K0BQ, KJ0J, W0QMU, K0B0, K0CCL, **A16V** & **W6SZN,** **NB2B,** **K6KLY,** **DL0KF:** UJ3UL, DF5UZ, DJ4FZ, DK8LE, DJ6TN, DJ7SW, DJ4SO, DF3LZ, DF3BV, DJ8FR, DL2NF, DK9AV, DL3BH, **E1K1C** & **E1E1V,** E11FK, E11FP, E11HG, E11LD, E11MH, E11MO, E11NO, E11VH, E11OW, E11QX, E11VY, E11WY, E11XD, E11XG, E11XI, E11YX, E11ABN, E11BCK, E11BEZ, **EW6V:** UP2BFL, UP2BFN, UP2BEY, UP2BJJ, UP2BKT, UP2PAV, UP2PCI, UP2PBW, UP2PNK, UP2-038-1050, **RP2BFU,** **H21AB:** W7KJ, WA8MOA, K05V, N60L, K0JJ, W7SE, N2R2B, **J1YHA:** JE3MLS, J1HXF, JH0ET, JF3SCK, JH4TJS, JA4OYR, J11UEJ.

J1YNE: JA1CG, JA1BAL, JA1VNA, JA10XY, JR10DG, JE1TD, JA2UGX, JA4WQ, JR2BJE, JR1F1G, **J1YXP:** JL1ROT, J310HJ, JE6IGU, JH0NP, JR6JN, JA40WG, **JA2YEF:** JH9CTW, JE2FRT, JH4XKV, JR2PVI, JR2TPD, JR2UWZ, JE1KIH, JE2RDI, JE2RWP, JE2VGT, JE2WBH, JE2ACB, JE2ERH, JE2NFC, JF2NTV, JF2OHC, JF2SFF, JF2VRV, JF2WMP, JF3EIT, JA9QNC, **JA2YKA:** JG1GIF, J118TA, J11BTC, JH2QXG, JR2GMC, JE2RQT, JE2SRB, JE2TEM, JE2VYM, JF2DQJ, JG2BFR, JA4UDP, JH4VBO, JH6RPZ, JE6GTX, JA9NFO, JA9SSY, JA9XS, Tamura-San.

JA3YB: JF3KKO, JF3PGA, JG3GKK, JG3JUG, JG3LZG, JI3KWZ, JI3XBE, JJ3MIZ, JJ3PYI, JH4CES, JR4AGT, JA9TAF, JA9TOZ, JA9VIZ, JA9RYU, **JA3YKC:** JA3ODC, JH3PRR, JA3VCT, JR3FRR, JR3KEG, JR3RIU, JR3XGK, JE3BLA, JE3MAS, JE3MXD, JF3PMM, JF3RAL, JF3SFP, JF3UNQ, JG3LLB, JH4PAM, JH4RHF, JH4UIM, JH4WER, JR4BSM, JA5GBZ, JA5MOJ, JA5TDH, JA5XUQ, JH5EML, JR6JNF, **JAGYA:** JH6VLF, JR6JZE, JEGMQW, JEGUWJ, **JAY7AA:** JH7CUO, JH7GFO, JH7HRW, JH7JUN, JH5WTC, JR7OMD, JR7SEI, JR7UUL, JE7JQE, JE7JVP, J11MUU, **JATYFB:** JR7JVO, JH7XMO, J116JY, **JF1ZQ:** JH1CNT, JH10XP, JR1RNC, JG1GGU, **JH1YDT:** JF1EAI, JG1XLZ, JF1CUJ, J11MYH, JK1CQG, JK1DLQ, JK1FLU, JK1RJU, JL1PGO, JP1AIE, JF3HBS, JH4UTP, JE6CEK, JE6HIC, JA0VSH, JH0HNI, JH6VJZ.

K10X & **W80BTH,** W1FV, K1GQ, K1EA, K1UR, K1DG, KC1Q, KA1R, K11R, **K2TR** & **K2XA,** **K2UA** & **KD2T,** **WA2HGM,** **N2MM,** **K3JLT,** **K2BU,** **K2TD,** **K6XD** & **AA4KB,** **W86DSV,** **N6ALV,** **AA6G,** **K5MZ** & **AK6T,** **N6OP,** **N6GL,** **LZ2KAD:** LZ2LT, LZ2RS, LZ2VX, LZ2LL, LZ2HC, LZ1OP, LZ2EV, LZ2VE, **N2AA** & **K2BQ,** **K2SS,** **K2NG,** **K2TT,** **K2TW,** **K2GM,** **K2GL,** **K3EST,** **KR2Q,** **KR2J,** **KC2X,** **KA4MDR,** **KU2M,** **N2CTV,** **KR2W,** **W2RQ,** **N3LR** & **N3CSG,** **N3DAY,** **N4KE** & **K4UTE,** **N6RO** & **WA6DIL,** **N6XI,** **K7TW,** **N16D,** **N6DA,** **K6KM,** **N6NE,** **N6TV** & **K6HNZ,** **KC6D,** **N6GW,** **N6VV** & **K6XV,** **K6PYJ,** **N9MM** & **K9UWA,** **K9A9,** **W9LF,** **K9NN,** **W9ZRX,** **KM9D,** **N9NS,** **K9JF,** **W9LT,** **W9P9D,** **W9RE,** **W9RLTY.**

OH0W: OH1MA, OH1XX, OH1EH, OH2BNP, OH2BQS, OH2JA, OH2BMM, OH2BU, OH2MM, OH2BH, OH2FS, OH2PRD, OH2KJ, OH2OV, OH2BAZ, OH3KT, OH3YI, OH3ZE, OH3JU, OH7JR, OH6D, OH8SR, OH5XJ, OH5LF, OH6UM, OH6JW, OH5KS, OH7JT, OH5JU, **OH1AA:** OH1CI, OH1CQ, OH1CX, OH1DL, OH1JX, OH1KO, OH1LF, OH1MD, OH1RM, OH1SV, OH1SW, OH1WR, OH3DM, **P4ZE:** WB1RL, K2BA, WA2SPL, AA4S, K4BAI, N4MM, N4RV, W4AXM, AA6RX, N6TU, W6B5HD, KC8C, N8II, **PA0ZA:** PA0NZH, PA0MS, PA0MSM, PA0PFW, PA3AFF, PA3AUC, PA3BAS, ON6NL, **SK2IV:** SM2IVJ, SM2JDV, SM2CDF, **T32AL:** KN6Q, AA6DX.

W1YN & **AG1C,** **AK1A,** **KA10,** **W3GM** & **K3ND,** **K3GM,** **K3OA,** **K3FD,** **K13V,** **N3VV,** **K3BYV,** **W3FV,** **W2ZMN,** **W3PLP** & **W3ABC,** **K3DI,** **K3KU,** **K3RV,** **N3CV,** **A13M,** **K13P,** **WA3KCY,** **W3NX** & **N8NA,** **A03V,** **YU3DQC:** YU3ZV, YU3EW, **YU9W:** YU1IU, YU7AU, YU7BB, YU7KW, YU7PFR, YU7OFX, **ZK2RU:** K8TU, ZL3BA, **4N1U:** YU1EW, YU1FD, YU1PAU, YU1PAW, YU1PKC, YU1RL, YU1UU, YU3TCA, Sie.

BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

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

WORLD TOP SINGLE OPERATOR—ALL BAND

Station	160	80	40	20	15	10
9Y4VT	109/9/13	499/19/50	784/20/59	1098/29/72	1068/28/76	1368/25/72
CN8CX	—	488/17/53	880/22/66	1152/27/84	632/28/85	1202/27/70
8F6J	31/7/13	403/14/28	473/18/45	1191/25/61	1513/25/70	1438/25/70
UF6CR	47/6/17	552/13/50	1007/18/67	850/22/60	749/19/63	777/14/55
4M38RF	47/5/10	250/16/35	588/20/60	511/23/62	890/23/62	1227/22/68
DK3GI	70/7/26	455/13/48	195/14/56	542/26/73	642/25/69	854/30/82
K1AR	4/3/4	93/16/45	228/23/65	654/29/82	564/32/84	433/25/74
524CS	3/2/3	53/8/11	165/18/38	791/29/74	602/29/71	753/26/76
W1KM	7/5/6	145/17/51	312/23/69	472/26/76	471/27/78	503/28/73
9K2DX	3/1/3	83/8/26	402/16/52	783/30/85	490/26/70	606/17/54

USA TOP SINGLE OPERATOR—ALL BAND

Station	160	80	40	20	15	10
K1AR	4/3/4	93/16/45	228/23/65	654/29/82	564/32/84	433/25/74
W1KM	7/5/6	145/17/51	312/23/69	472/26/76	471/27/78	503/28/73
N2LT	10/6/8	94/15/40	278/27/70	406/31/78	500/26/73	552/25/78
K1XJ	7/5/7	127/15/54	357/26/75	337/28/77	456/25/70	446/24/72
K3LR	13/6/9	76/15/37	136/25/60	350/30/80	452/28/78	545/29/78
K9DX	10/5/5	50/16/30	202/25/64	520/31/86	494/31/75	519/23/66
K4POL/B	7/4/6	62/16/36	151/25/66	490/29/85	418/29/76	391/23/76
N5AU	13/9/10	92/15/27	231/28/64	430/30/84	336/26/63	484/26/63
N3RD	16/6/12	63/16/39	128/26/66	356/31/86	417/29/93	358/27/84
W8BYVR	15/6/8	70/17/38	196/23/65	619/31/91	299/24/64	306/20/66

WORLD TOP MULTI-OPERATOR SINGLE TRANSMITTER

NP4A	172/15/35	589/23/73	1342/28/92	1270/36/108	1547/34/106	1961/32/101
R66G	238/18/57	733/24/75	1047/27/90	1350/33/96	705/35/104	1282/30/90
UK9AAN	115/8/37	257/15/54	659/25/75	1302/32/86	740/25/80	599/25/74
UK2RDX	212/9/48	346/16/58	496/27/91	1164/32/87	503/27/88	503/27/88
F3TV	77/6/32	609/13/51	597/19/70	625/27/83	750/29/77	930/28/79
L8D/X	11/5/4	147/14/18	434/22/48	1009/26/67	832/23/47	1287/24/61

USA TOP MULTI-OPERATOR SINGLE TRANSMITTER

K5RC	18/9/6	113/22/45	485/32/82	440/37/113	443/32/96	688/31/86
W3BGN	15/7/14	77/21/56	306/27/86	603/37/106	536/34/97	609/30/90
N4AR	18/10/17	63/23/59	274/30/88	658/35/107	450/29/84	446/28/82
N4RJ	15/10/12	52/18/49	254/32/86	439/34/100	746/32/98	247/27/82
N1AC	5/4/5	62/15/47	207/24/63	898/29/85	472/25/70	447/23/71
KA4S	16/9/15	126/18/50	173/25/71	405/34/99	364/29/87	674/27/83

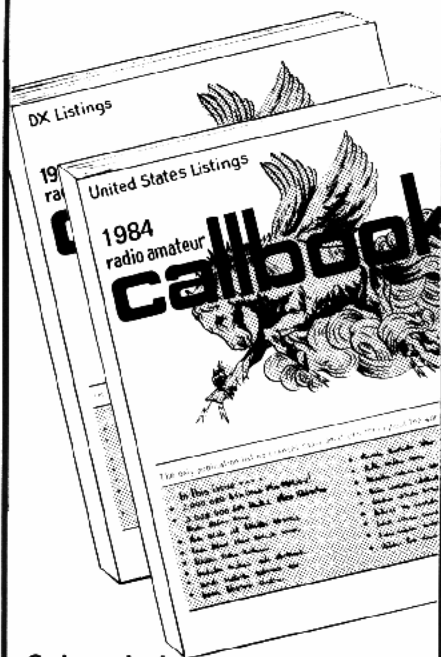
WORLD TOP MULTI-OPERATOR MULTI-TRANSMITTER

P4ZE	390/12/26	1083/22/60	1995/29/81	2965/36/112	3351/32/103	2531/30/91
EW8V	522/14/50	905/22/69	1735/27/86	1646/33/100	1666/32/100	1524/31/99
OH0W	585/14/54	1180/24/88	1920/34/103	2532/39/131	1968/37/124	1330/36/118
N2AA	43/10/21	305/25/67	931/33/104	1304/37/119	1193/35/104	1087/30/89
K10X	82/11/21	256/24/86	700/31/99	1037/36/108	1086/34/104	925/28/82
4N1U	141/7/33	854/15/62	1146/26/78	1478/28/101	1313/27/81	1403/29/88

USA TOP MULTI-OPERATOR MULTI-TRANSMITTER

N2AA	43/10/21	305/25/67	931/33/104	1304/37/119	1193/35/104	1087/30/89
K10X	82/11/21	256/24/86	700/31/99	1037/36/108	1086/34/104	925/28/82
K2UA	33/8/21	207/21/59	797/33/89	807/36/99	955/32/98	661/29/93
W3LPL	45/11/24	148/17/47	519/34/94	839/32/109	822/32/101	839/32/99
N9MM	45/10/18	112/20/46	394/30/89	1082/35/106	831/33/98	750/29/91
AB0I	26/9/10	116/22/37	422/31/80	1072/33/92	793/28/78	489/25/70

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C.W. TROPHY WINNERS AND DONORS

SINGLE OPERATOR, ALL BAND

World

CN8CX (Opr. Glenn Rattmann, K6NA)
Donor: Albert Kahn, K4FW-W2AB Memorial

World QRPp

Saulius V. Zalmeravskas, UP2BIM
Donor: Gene Walsh, N2AA

U.S.A.

John Dorr, K1AR
Donor: Frankford Radio Club

Canada

R. Nash, VE3KZ
Donor: Canadian DX Association

Carib./C.A.

Richard L. King, K5NA/KP2
Donor: Jim Neiger, N6TJ

Europe

Roland Mensch, DK3GI
Donor: Ed Bissell, W3AU

Africa

5Z4CS (Opr. Saty Nakamura, JE1JKL)
Donor: Gordon S. Marshall, W6RR

Asia

9K2DX (Operated by Tom Hoynes, N6NI)
Donor: Japan CQ Magazine

Japan

JA4YFH, Tottori University A.R.C.
Donor: Palm Garden Contest Club

Oceania

Michael Gibson, KH6ND
Donor: Maui Amateur Radio Club

Most QSOs

Jim Neiger, 8P6J (5049)
Donor: KV4AA Memorial (From Friends)

SINGLE OPERATOR, SINGLE BAND

World—21 MHz

Daniel S. Arroqui, CX7CO
Donor: W2JT Memorial (No. Jersey DX Assn.)

World—3.5 MHz

Inaki Alcorta, EA2IA
Donor: Fred Capossela, K6SSS

World—1.8 MHz

Fernando M. Fernandez, EA8AK
Donor: Chip Margelli, K7JA (KP4ES Memorial)

USA—14 MHz

Tom Frenaye, K1KI
Donor: No. Illinois DX Association

Canada—14 MHz

Yuri Blarovich, VE3BMV
Donor: Canadian Amateur Radio Federation

Carib./C.A.—7 MHz

Herb Schoenbohm, KV4FZ
Donor: DX Club of Puerto Rico

Europe—14 MHz

Rajko Mackic, YU4GD
Donor: G2LB Memorial (From Friends)
South America—14 MHz
Raul Roji, CX7BY
Donor: Rafael Ponce de Leon, CX3BR

MULTI-OPERATOR SINGLE TRANSMITTER

World

NP4A (Oprs. NP4A, KP4CC, KP4FI, N4TO, K1ZM, KC1F, N2NT, K3UA)
Donor: Anthony Susen, W3AOH

U.S.A.

K5RC (Oprs. K5RC, K5GA, K5GN, K5LZO, KN5H, N5JJ, NA5R)
Donor: Doug Zwiebel, KR2Q

MULTI-OPERATOR MULTI-TRANSMITTER

World

P42E (Oprs. W8LRL, K2BA, WA2SPL, AA4S, K4BAI, N4MM, N4RV, WD4AXM, AA6RX, N6TU, WB6SHD, KC8C, N8II)
Donor: Hazzard Reeves, K2GL

U.S.A.

N2AA (Oprs. N2AA, K2BQ, K2SS, K2NG, K2TT, K2TW, K2GM, K2GL, K3EST, KR2Q, KR2J, KC2X, KA4MDR, KU2M, N2CTV, KR2W, W2RQ)
Donor: James Rafferty, N6RJ

CONTEST EXPEDITIONS

World—Single Operator

4M3BRF (Opr. Richard J. Assarabowski, K1CC)

Donor: Yankee Clipper Contest Club

World—Multi-Operator

EW6V (Oprs. UP2BFL, UP2BFN, UP2BEY, UP2BJK, UP2BKT, UP2PAV, UP2PCI, UP2PBW, UP2NK, UP2-038-1050, RP2BFU)
Donor: Bill Schneider, K2TT

COMBINED PHONE/CW, SINGLE OPERATOR

World—All Band

9Y4VT (Opr. Richard J. Norton, N6AA)

Donor: John Knight, W6YY

World—Single Band

Joel E. Chalmers, KG6DX
Donor: Yuri Blarovich, VE3BMV

CLUB TROPHIES

World

Yankee Clipper Contest Club (117,228,900)

Donor: CQ Magazine

World—Most Improved

Southern California Contest Club (68,224,180)

Donor: Southeastern DX Club

U.S.A. Club Scores

Yankee Clipper Contest Club	117,228,900
Frankford Radio Club	100,074,060
Northern California Contest Club	94,834,409
Southern California Contest Club	68,224,180
Potomac Valley Radio Club	56,468,762
North Texas Contest Club	37,188,341
North Florida DX Association	17,036,357
Mad River Radio Club	15,635,736
Rubber Circle Contest Club	14,314,385
Southeastern DX Club	13,935,713
Dixie DXers	13,510,243
Murphy's Marauders	11,846,383
Kansas City DX Club	9,584,561
Texas DX Society	8,950,302
Southern California DX Club	7,298,009
Eastern Iowa DX Association	5,449,694
Greater Milwaukee DX Association	5,303,952
Carolina DX Association	3,953,922
Sheboygan County A.R.C.	3,835,721
Fraser Valley DX Club	3,732,233
Boiled Owls of New York	3,552,017
Mile-High DX Club	3,503,132
Mississippi Valley DX & Contest Club	3,496,719
Williamette Valley DX Club	3,474,708
Northern Illinois DX Association	3,139,353
Western Washington DX Club	3,046,392
Northern Ohio Amateur Radio Society	3,016,111
Meriden A.R.C.	2,710,809
Colorado Contest Conspiracy	2,618,979
Rochester DX Association	2,272,758
South Florida DX Association	2,265,321
Redwood Empire DX Association	2,052,456
Alamo DX Amigos	1,643,026
Neenah-Menasha A.R.C.	1,326,726
Garden State Amateur Radio Association	1,287,259
Northern California DX Club	1,210,409
Central Arizona DX Association	1,170,822
Gloucester County A.R.A.	1,135,847
San Diego DX Club	1,035,402
Michigan DX Association	887,940

Southwest Ohio DX Association	868,314
Delta DX Association	807,234
DX Association of Connecticut	771,407
Four Lakes A.R.C.	637,170
Ill Wind Contesters	537,436
Eastern Michigan A.R.C.	447,189
Fort Wayne Radio Club	415,765
Metro DX Club of Chicago	338,151
Kansas DX Association	258,035
Grand Mesa Contesters	245,097
Desert Rats DX Club	213,755
Lynchburg A.R.C.	211,445
Long Island DX Association	203,270
Megahertz Manor Maniacs	185,846
Vulcan DX Club	137,639
Sturdy Memorial Hospital A.R.A.	107,309
Hamfesters Radio Club	54,886

DX CLUB SCORES

Lithuanian Contest Group	38,360,256
Kaunas Polytechnic Institute	37,446,560
Voroshilovgrad Radio Club	16,077,901
Ontario DX Club	12,513,798
South German DX Group	12,285,098
Rhein/Ruhr DX Association	10,619,834
Tallinn Radio Club	10,110,958
Chelyabinsk Region Radio Club	9,944,693
German Democratic Republic Radio Club	6,537,600
Alaska DX Association	5,570,817
The Bullmertz	5,239,579
Gauchos Argentina CW	4,922,868
Riga Radio Club	4,763,143
Moscow University Radio Club	4,566,992
Danish DX Group	2,936,318
Israel DX Club	2,283,854
Association Filaret DX	1,290,905
Northern Lithuania DX Group	943,903
Big Island A.R.C.	615,895

WORLD TOP 10 QRPP

(5w input)
All Band

1. UP2BIM	899,932
2. YU3BC	742,560
3. UB5UCJ	452,505
4. K8IA	400,064
5. W9KNI	345,417
6. UA3QGO	297,937
7. YU3DRW	258,530
8. OH5WH	247,299
9. UP2BFE	198,720
10. OE3RE	198,656

Number groups after call letters denote following: Band (A = all), Final Score, Number of QSO's, Zones, and Countries. Certificate winners are listed in Bold Face.

C.W. RESULTS SINGLE OPERATOR NORTH AMERICA

UNITED STATES

K1AR	A	2,762,383	1976	127	354
W1KM	A	2,668,030	1910	126	353
K1JX	A	2,417,034	1730	124	355
W1RR	A	1,949,020	1525	117	324
AK1A	A	1,835,320	1341	129	370
K0DD/1	A	1,833,535	1599	108	299
K1GG	A	1,490,426	1274	108	298
(Opr. AA2Z)					
K2LE/1	A	1,451,670	1213	113	302
W1WEF	A	1,224,932	1188	106	267
W100	A	1,185,114	1016	115	291
W1DA	A	1,031,751	959	101	270
W1FJ	A	971,640	946	98	262
K1SA	A	936,156	940	101	252
W1BIH	A	877,176	831	107	265
KG1E	A	747,840	826	86	234
KB1V	A	686,996	860	83	201
KA1FGH	A	513,792	621	86	202
K1WJL	A	473,044	576	77	209
W1GG	A	447,888	608	78	180
AB1U	A	340,272	456	85	187
W1CGW	A	262,305	309	78	183
K1BY	A	224,235	472	47	118
W1CNU	A	156,818	306	57	121
W1UA	A	142,868	283	65	126
W1AX	A	130,910	200	75	172
W1END	A	119,886	250	60	114
K1JYM	A	63,349	173	50	93
KB1U	A	57,240	151	48	87
KA1CLV	A	51,612	146	54	84
N1AU	A	40,832	126	44	72
KA1GHR	A	19,380	80	36	59
K1ZJZ	A	17,459	80	29	50
KA1HCQ	A	8,321	64	17	36
W1PLQ	A	5,250	45	14	28
KA1GQ	A	2,040	25	9	21
K1ZZ	28	325,130	930	28	94
K1RM	A	307,060	803	31	99
W1WY	A	8,001	47	19	44
W1RM	21	483,560	1196	33	107
K1TO	A	417,628	1088	29	102
WA1FCN	A	159,330	485	27	86
K1IK	A	33,880	247	19	51
W1BET	A	2,550	41	9	21
K1KI	14	545,930	1208	36	118
KA1UE	A	14,160	93	21	38
K1VHS	A	12,792	61	23	55
K1IXM	7	213,192	684	27	81
K1UO	A	189,774	565	28	89
K1NA	A	150,111	443	29	88
AA1M	A	24,570	128	18	52
K1PT	3.5	73,186	303	23	63

KE1F	A	2,759	35	9	22
K1MEM	1.8	2,430	38	11	19
N2LT	A	2,494,710	1840	130	347
W2REH	A	1,605,258	1136	142	344
K2VV	A	1,557,010	1326	113	293
W2VJN	A	1,534,680	1062	136	368
K2DM	A	1,469,136	1359	109	272
K2SX	A	1,345,110	1220	112	278
K2RD	A	1,038,530	898	119	291
K2OY	A	1,031,377	1021	107	254
(Opr. N1EE)					
W2YC	A	804,419	844	96	245
N2JJ	A	693,564	734	107	241
KF2O	A	660,576	708	96	240
W2GGE	A	657,458	711	83	234
K2CF	A	650,905	695	103	232
WBWV/2	A	642,215	724	94	217
W2TZ	A	630,058	846	86	200
K2SB	A	446,532	549	87	206
KB2CR	A	445,770	587	82	188
(Opr. KA2MNJ)					
N2MR	A	421,686	551	89	185
K2QIL	A	290,815	423	69	176
W2FTY	A	285,670	411	73	172
KB2XZ	A	276,144	390	84	180
W2NC	A	267,064	379	82	169
W1G0/2	A	195,552	311	71	153
W2DW	A	94,864	208	60	116
W2GUP	A	89,209	212	52	94
N2AIF	A	76,302	186	55	102
KW2J	A	70,366	177	55	96
W2PHT	A	59,410	161	45	85
K2CFE	A	57,645	197	34	71
K2MNN	A	49,644	140	43	83
W2AK	A	38,824	144	25	67
K2TD	A	22,464	85	39	65
N2BK	A	21,560	113	24	53
W2AUDT	A	15,554	77	27	50
KB2NU	A	12,224	66	25	39
K2KCK	A	8,789	77	27	44
WA2WVU	A	100	6	5	5
K2MFY	28	98,294	350	24	74
KA2AEV	A	76,258	295	24	67
KQ2N	A	16,962	92	20	46
KR2N	21	459,249	1190	32	101
(Opr. KQ2M)					
W2GMT	A	236,880	788	31	74
W2AZO	A	190,080	610	28	80
K2NJ	A	164,220	486	32	83
W2ZZ	A	73,038	265	25	69
W2AYJ	A	61,659	265	23	70
K2FE	A	45,741	205	22	57
WB2SZY	A	13,455	195	21	48
WA2IFS	A	3,612	31	20	23
AE2A	14	316,336	796	34	102
N2PP	A	314,874	881	32	94
WA2L0G	A	35,060	164	25	55
K2EK	7	122,734	389	26	83
N2UN	A	27,120	127	23	57
W2HG	A	20,976	113	20	49
W2KHQ	A	10,927	87	15	34
K2IGW	3.5	7,849	67	15	33
K3LR	A	2,141,775	1573	133	342
N3RD	A	1,988,415	1338	135	380
N3AD	A	1,919,962	1525	121	322
N2FB/3	A	1,917,950	1543	118	315
N3BB	A	1,776,348	1299	130	347
W3GRF	A	1,340,272	1109	114	308
K300	A	1,333,125	1188	112	283
K3SA	A	1,250,074	1035	114	292
K3NZ	A	1,037,001	1094	101	238
W3AP	A	991,230	935	109	261
K3Z2	A	975,036	961	110	276
W8FJ/3	A	922,148	875	107	275
K3II	A	839,742	860	97	249
K3VV	A	824,496	813	107	249
K3TC	A	739,680	763	96	249
K3WJV	A	700,700	724	106	244
K3L	A	645,460	780	89	206
W3NZ	A	580,027	631	95	234
N3AM	A	532,120	706	83	182
K3FN	A	503,540	555	103	237
W3UJ	A	447,741	511	89	220
N3NA	A	440,368	567	83	189
W30V	A	427,476	527	89	205
N3HW	A	425,280	633	78	162
W3ARK	A	398,083	557	73	186
W3ICM	A	304,967	509	80	153
W3EVE	A	279,312	386	88	180
W3GRS	A	219,748	299	92	182
W3HDH	A	217,936	370	68	144
W3GL	A	201,750	305	85	165
K3NCO	A	199,581	345	69	144
K3NL	A	181,940	298	73	147
W3AA	A	179,292	317	66	135
W3GG	A	173,852	319	66	130
K3JG	A	166,961	298	66	133
WA3IMY	A	136,612	252	68	128
WA3S2V	A	114,399	231	48	123
K3KNH	A	110,596	256	59	113
W3CAC	A	104,828	215	53	93
W3KTP/3	A	97,461	218	46	107
W2GKZ/3	A	94,224	225	47	104
W3GN	A	90,630	200	54	105
K3MBF	A	79,250	217	39	86
K2ITG/3	A	62,400	141	56	104
W3YFV	A	44,870	163	51	83
A13E	A	28,548	120	45	52
N5AW	A	25,063	121	20	51
W30R	A	23,108	79	41	68
W3PN	A	22,770	93	34	56
W3FDE	A	9,164	55	21	37
W3EAN	A	7,611	65	19	24
K3IE	A	6,400	50	23	27
N3DAU	A	2,730	26	18	21
WA3DMH	A	6,665	49	11	32
W3AZ	21	145,188	462	28	81
K3TW	14	92,082	324	28	75
WB3KKX	A	77,595	285	27	78
N3BJ	7	108,891	356	28	81
AA1K/3	1.8	1,254	32	8	14
K4CEF	A	964,224	828	128	305
W3VT/4	A	915,948	837	111	285
N04I	A	912,060	1022	102	222
W84BVY	A	855,834	1026	89	205
K4AMC	A	642,408</			

WB4TDH	213,909	655	29	84	W60V0	42,900	144	49	61	K8CW	109,365	336	33	82	BELIZE					MADIERA ISLANDS				
W4D	84,134	254	26	92	A4GEE	40,400	155	44	57	W8DXB	93,856	295	29	83	V3MS	A 2,393,100	3715	92	208	CT3DJ	A 64,020	198	40	70
A4AAK	61,952	249	23	65	W60KX	32,373	123	44	55	N8CXX	11,577	80	17	34						MOROCCO				
K4JSI	44,436	187	23	61	K6CSL	21,866	60	30	28	K8BT	7 55,384	229	27	65	V3TV	28 519,048	2430	25	64	CN8CX	A 6,234,664	4354	21	358
KC4HN	6,324	47	17	34	N6BT	20,361	210	17	16	N8BK0	48,905	181	26	73						CN8CO	154,842	269	53	144
N4ZZ	21 248,372	720	33	91						W8LLD	38,263	161	22	61	BERMUDA					CN8CY	21 345,800	1307	22	69
N4BU	219,317	659	31	88	W6NNV	19,200	84	34	46	KV8Q	2,866	42	12	19	VP9LB	14 14,280	216	8	22	REUNION ISLAND				
N4RG	201,708	613	31	86	N6KW	13,944	63	33	51	W8AKK1	3.5 7,098	67	13	29	FR9GL	A 1,217,749	1474	85	198	SOUTH AFRICA				
N4EA	14 286,982	713	35	107	AA4M/6	13,554	96	26	28	K8AQM	3,311	48	12	19	ZS4SP	A 260,528	585	51	101					
W4AAV	200,343	485	34	109	N6ADK	9,570	65	29	29	K8MN	1.8 1,320	51	8	14	ZS2RM	14 70,180	249	26	71	SWAZILAND				
W4KFC	3,840	30	18	30	K6OS	6,992	111	23	23	K9DX	A 2,100,372	1595	131	326	ZIMBABWE									
K4JPD	2,565	40	11	16	N6JM	5,043	42	20	22	W9SU	986,974	961	110	251	Z23JO	A 123,849	420	32	67					
K4AKM	6	1	1	1	N6TR	3,780	40	20	22	K9BL	659,792	786	94	207										
K4CG	7 137,400	397	32	88	N6MU	28 122,760	462	25	68	W9P	360,728	477	90	178	CANADA									
N4UA	100,700	378	26	74	K6RR	97,612	389	25	67	W9NA	358,940	487	93	181	VE1AH	A 650,679	1042	76	191					
W4XJ	89,385	318	25	76	AB6R	41,300	210	23	47	KE9A	256,559	449	75	132	V01K0	226,570	740	43	96					
W4VQ	73,424	251	26	78	N6MG	39,416	266	19	33	K9TUS	245,271	373	76	171	VE1CCM	11,904	207	15	9					
KN4B	52,345	208	27	68	W6YA	21 230,702	674	35	87	AK9Z	212,688	356	70	141	V01AW	3,526	31	16	25					
N4EUU	23,265	153	17	38	W6BSY	81,607	380	24	55	K9AB	207,260	333	73	142	VE1CAN	14 42,420	255	19	51					
K4KUZ	12,376	81	16	40	W6DN	35,350	188	24	46	K9AG	189,200	267	74	201	VE1AJ	35,336	271	18	38					
W4ASV0	3.5 33,136	167	20	56	NN60	19,110	176	16	23	K9K9	182,016	343	60	132	VE1BSL	9,282	126	11	23					
K4PI	22,656	142	19	45	K6OZL	14 92,760	275	32	88	W9GL	156,106	315	65	113	VE1CEG	7 44,265	288	17	48					
N4TZ	10,808	75	16	40	W6HJ	17,733	91	27	42	K9BL	107,008	233	64	112	VE2DPO	A 268,736	825	54	98					
W4MGX	2,442	33	12	21	W6AM	7 127,009	412	34	73	W9DBCB	102,872	250	55	99	VE2FTU	6,876	89	18	18					
N4SU	1.8 3,600	44	11	25	N6RJ	99,082	322	37	70	W9GXR	76,368	163	63	109	VE2FJR	4,690	66	19	16					
N4IN	2,848	40	11	21	N6OC	7,198	43	21	40	K9BL	77,384	202	48	88	VE3CW	28 143,780	724	22	69					
N6AU	A 2,019,866	1586	134	311	N6VR	4,884	55	14	19	W9RY	68,060	157	70	94	VE3KZ	A 1,484,280	1693	106	254					
W5XZ	1,330,398	1101	120	306	W6FT0	1,457	20	16	15	W9QWM	67,536	178	50	94	VE3NBE	96,465	371	41	68					
N5RM	764,556	796	107	241	A6U0	1.8 5,004	102	16	20	K9AG	49,419	125	62	91	VE3MKJ	13,566	126	24	27					
K5LP	549,432	641	99	213	W6US	2,376	37	10	14	W9CA	44,330	144	56	54	VE3GWM	5,215	63	15	20					
K5BDB	340,170	521	69	161	W6RR/7	A 1,311,924	1297	119	235	K9LWT	34,572	100	45	84	VE3LQJ	28 35,032	246	16	42					
K5NW	222,132	374	66	148	W7IR	942,158	859	123	266	W9TNZ	30,495	107	42	65	VE3BMV	14 662,454	1730	36	113					
W50SJ	213,400	396	68	132	N7TT	481,806	901	82	131	K9VL	20,580	76	38	60	VE3BV0	7 114,896	606	25	61					
KM5G	160,680	365	45	111	K7ZA	432,080	684	76	144	K9DF	19,264	85	37	75	VE3ICR	50,775	295	25	50					
N5HB	151,755	282	80	121	K7DZ	429,461	624	90	161	KF9U	6,534	50	29	37	VE3CKR	3.5 6,030	169	8	10					
AC5K	131,400	269	72	128	KU7M	287,040	532	84	111	W9MRU	2,074	25	14	20	VE3INQ	1.8 5,205	174	6	9					
W5JC	122,324	230	81	131	W7AYY	190,213	414	61	106	W9IHX	1,050	14	12	13	VE5AE	14 22,368	353	14	18					
W50B	120,528	247	68	118	W7IIT	158,920	387	54	91	KC9T	21 135,720	423	32	85	VE5AAB	7 700	73	3	2					
K5MA	114,723	232	77	112	W7FGT	152,586	377	60	87	W9OA	122,815	361	30	91	VE5XU	1.8 1,029	76	4	3					
W50ZKR	100,606	204	69	118	K7NF	103,428	313	44	73	K9CLO	114,741	417	27	72	VE6CV	A 76,830	301	42	61					
KT5Q	95,535	237	68	97	W7KKR	88,836	254	53	79	W9MAG	97,743	366	27	66	VE6OU	7 42,284	468	17	27					
W50DD	82,836	182	69	108	W7WFO/7	77,952	346	25	62	W9WAG	96,768	317	29	79	VE7AAQ	A 544,500	854	88	154					
N5CFU	69,154	172	52	87	W7EKM	60,270	206	44	61	W9XT	88,173	325	27	70	VE7BS	1.8 1,868	58	7	9					
W5LJT	34,013	124	41	72	W7IEU	56,000	190	45	55	KJBD	14 292,352	798	31	97	COSTA RICA									
N5FG	31,598	99	46	76	K7UJ	53,663	201	46	57	W9DPD	7 24,548	118	24	55	DOMINICAN REPUBLIC									
W5NJ	28,392	72	35	69	K7DHD	22,059	144	28	29	K9FW	3.5 5,160	56	15	28	H18LC	21 11,340	140	11	25					
K3ZMI/5	25,781	82	55	72	W7JKA	21,586	94	35	51	W9DBI	2,160	32	10	17	HAITI									
K2SCU/5	17,820	83	37	44	KC7V	19,783	102	31	42	W8FR/9	1.8 171	11	5	4	HH2VP	A 2,399,617	3140	96	243					
W5AH	14,946	61	41	53	W7QK	18,444	74	36	51	K4VX/0	A 1,242,150	1132	118	272	HONDURAS									
K5RSG	3,528	22	15	27	K7WA	11,050	76	20	30	W9WFP	969,813	973	103	248	W5BE/HR6	A 269,564	1380	47	49					
W5UV	28 202,048	618	30	82	N7AM	7,595	55	20	29	W02CNF/0	165,784	342	63	121	HR1AT	40,734	306	28	34					
N5TP	158,426	493	28	85	K7EY	71,390	418	21	28	W6FN/0	161,802	290	68	134	JAMAICA									
AD5Q	124,542	469	26	73	K07G	38,133	251	21	36	AK8M	150,300	253	80	145	6Y5HN	A 654,890	1386	70	145					
K5RX	21 173,511	519	32	85	KR7L	3,586	57	9	13	N8ZA	110,490	232	65	109	MEXICO									
K51SQ	158,596	540	34	90	N7R0	21 120,472	487	26	82	K07A	70,179	182	63	94	XE1VV	A 676,079	1639	70	123					
W5LKP	16,616	94	21	41	W7KSA	32,096	166	22	46	W01R	69,784	177	57	86	MONTSERRAT									
K5FU	13,684	128	19	25	K7FC	7,268	61	17	29	KM8R	68,911	195	54	83	VP2MM	3.5 12,464	325	7	12					
W5EJ	7,280	53	20	32	W7B7FAR	14 109,620	494	24	63	AK0P	65,331	161	54	99	PANAMA									
W5KCR	4,608	46	13	23	K7IDX	13,728	23	26	40	W01Y	53,339	143	55	88	HP1AC	A 39,248	187	29	59					
AC5R	836	35	10	12	K7ITZ	10,149	73	17	34	W01Z	51,128	128	66	88	HP1XAT	21 133,196	889	21	46					
N5CR	14 296,805	725	36	105	W7XN	7 18,559	102	24	43	W01R	49,536	144	59	85	PUERTO RICO									
W5FO	235,060	691	37	109	W7B7FDD	16,632	114	23	40	K07C	41,850	120	50	85	JE1VV	A 676,079	1639	70	123					
KU5E	76,544	273	29	75	KT7G	16,380	124	18	34	K07D	40,986	112	57	81	JP10SP	220,868	156	20	27					
KW5P	19,162	108	24	43	K7ABV	12,871	87	24	37	K9AYK/0	38,610	138	41	69	JA10P	36,134	223	23	35					
K25J	14,840	97	21	35	N7RM	3.5 13,889	128	16	27	W01X	38,552	138	46	76	JA10SP	20,868	156	20	27					
K5RR	7 116,938	353	31	87	K7UR	6,528	91	13	19	W01Y	31,824	114	38	64	JA1EMO	15,463	119	19	28					
N5JB	112,068	399	30	69	N7EA	5,580	64	13	23	W01Z	27,972	101	43	65	JN1ENK	7,038	78	16	18					
W5JW</																								

Single Op All Band Zone Winners

Zone Leader (Score)	Zone Leader (Score)
1. AL7H (1,240,624)	21. UF6CR (4,613,680)
2. VO2CW (143,780)	22. No Entrant
3. N6BV (1,338,820)	23. JT0GM (1,415,418)
4. K9DX (2,100,372)	24. No Entrant
5. K1AR (2,762,383)	25. JA4YFH (2,281,915)
6. XE1VV (676,079)	26. No Entrant
7. V3MS (2,393,100)	27. KG6DX (658,728)
8. 8P6J (4,636,763)	28. 9V1VP (341,712)
9. 9Y4VT (6,929,450)	29. VK6ANE (204,640)
10. HC1SK (456,624)	30. VK2GW (142,002)
11. PY5XF (232,112)	31. KH6ND (1,430,020)
12. CE1ADG (38,657)	32. ZL1AMO (168,636)
13. CX7CO (771,776)	33. CN8CX (6,234,664)
14. DK3GI (2,924,215)	34. No Entrant
15. OK2BLG (1,433,890)	35. No Entrant
16. UB5EC (2,018,320)	36. No Entrant
17. UV9AX (2,390,710)	37. 5Z4CS (2,703,085)
18. UA0UBA (523,400)	38. ZS4SP (260,528)
19. UA0ZBF (230,580)	39. FR0GGL (1,217,749)
20. LZ2AB (1,545,611)	40. JW5VAA (10,325)

JF2EZA	21	170,850	580	29	73	JH7BRG	14	22,880	145	20	39
JA2FKV	"	68,484	307	27	51	JH7WKO	"	21,122	135	20	37
JE3IGA/2	"	33,012	185	22	41	JA7FCT	7	1,313	35	8	5
JH2HPQ	"	14,092	98	20	32	JA7KAC	3.5	1,854	52	10	8
JA2KPV	"	10,908	105	15	21	JA8AQ	A	11,520	52	39	41
JA2DHL	"	9,472	101	14	18	JA8CAJ	"	6,713	51	23	26
JG2LGM	7	871	25	7	6	JA8CJY	21	64,575	304	23	52
JA3YEE	A	348,085	595	79	136	JA8KSD	14	76,110	311	24	62
JR3XEX	"	183,212	420	65	98	JH8JYV	7	12,173	95	20	27
JR3WXA	"	124,128	313	61	83	JA9JFO	A	391,230	593	90	153
JH3CON	"	1,328	31	12	12	JA9FT	"	62,239	203	52	57
JR3RWB	28	108,962	460	26	60	JA9PBZ	"	2,143	66	8	9
JA3EDC	"	83,370	426	22	48	JA9FAI	28	116,440	505	28	54
JA3BLN	"	31,424	190	24	40	JA9BAB	"	21,440	129	23	41
JR3SPV	"	29,145	163	23	44	JA9YE	"	8,450	67	21	29
JH3CXL	21	162,630	630	27	63	JA9CJW	21	94,054	442	22	52
JR3MKT	"	1,525	23	12	13	JA9LJS	14	154,878	643	26	57
JA3YQP	14	238,095	842	29	70	JH9GGH	"	1,392	22	10	14
JA3HTT	"	58,546	291	26	47	JA9AGX	3.5	5,550	63	16	21
JH3JYS	"	37,740	200	25	43	JA9BOH	"	130	14	6	4
JR3BOT	"	22,176	140	20	36	JH0LFE	A	834,768	1080	104	174
JG3RPL	7	3,500	48	15	13	JA0DAI	"	630,819	808	105	174
JH3BGG	3.5	28,920	186	23	37	JA0CJG	"	385,992	652	77	139
JA3AA	"	864	30	9	9	JA0VJJ	21	30,420	174	20	4
JA4YFH	A	2,281,915	2020	121	274	JA0CZ	"	240	10	4	4
JA4ESR	"	191,317	389	82	99	JA0MQQ	14	10,816	81	19	33
JA4IQI	"	6,346	60	18	20	JA0VHI	7	48	4	2	2
JA4AOR	28	10,215	80	16	29	JA0DXG	3.5	25,281	207	21	32
JR4ISK	21	60,751	274	26	53						
JA4BFL	14	6,762	67	19	23						
JA4JLZ	7	107,424	400	28	68						
JA4IFF	"	67,311	313	26	55						
JH4LB	1.8	442	23	6	7						
JH4ELP	"	187	14	6	5						
JASSIX	A	509,400	720	89	163						
JA5AF	"	23,205	110	36	49						
JH5MVR	28	37,448	215	22	40						
JA5BJC	7	287,850	890	33	81						
JA5DD	1.8	990	34	9	9						
JA6BIF	A	337,935	630	76	119						
JA6LDD	"	187,860	364	77	109						
JA6JNG	"	135,936	358	64	80						
JA6IP	"	68,080	215	51	64						
JA6ABG	"	57,024	201	44	64						
JR6LP	"	6,916	51	22	30						
JA6CM	28	3,248	42	14	15						
JR6VRY	"	1,120	22	11	9						
JH6TNH	21	41,517	230	22	41						
JA6VZB	"	33,408	189	24	40						
JA6AKV	"	12,852	87	23	31						
JF6DRR	"	1,210	22	10	12						
JA6GCE	14	30,075	150	25	50						
JA6IEF	3.5	23,895	164	22	37						
JATYCO	A	509,250	860	85	125						
JATJWF	"	339,680	564	94	128						
JATJND	"	300,618	613	70	101						
JETBIZ	"	149,242	383	57	85						
JATEC	"	106,743	313	49	70						
JATCPW	"	75,300	269	50	50						
JATKM	"	44,055	161	42	57						
JRTSZJ	"	43,659	186	34	47						
JATBAL	"	33,916	110	55	67						
JATJT	"	21,010	139	24	31						
JH7YFR	"	11,616	94	25	19						
JATHM2	28	141,300	547	29	61						
JHTUJU	"	91,542	463	23	50						
JATUFZ	"	46,860	376	19	36						
JH7RKT	"	17,825	137	21	26						
JATFMZ	"	2,760	42	10	13						
JRTNFW	21	175,967	826	28	69						
JATBJJ	"	70,965	421	20	37						
JATDOT	"	40,383	225	25	38						
JATEZD	"	1,239	23	10	11						

UA9AFG	114,015	263	51	114
UA8LCZ	52,470	207	43	67
UA8CCR	40,967	159	32	49
UA9FAY	38,766	475	14	29
UA9WFLU	35,555	298	20	45
UA9FKM	33,614	141	31	75
UA8SKF	17,024	117	22	42
UA8CDM	13,090	188	11	24
UA9CKC	159,852	705	24	70
UA9QBT	131,595	555	24	69
UA9AG	125,413	680	22	61
UA9FAR	52,185	318	16	71
UA9ULC	46,893	253	19	58
UA9OBS	6,125	115	10	25
UA8ZBF	230,580	1024	26	58
UA8SGN	179,520	813	25	63
UA8SLN	57,424	332	19	55
UA9A00	413,328	1362	28	81
UA8SAU	326,180	1245	27	67
UA9LAL	317,700	1170	27	73
UA8ABC	114,560	592	23	57
UA8JDX	62,216	463	21	35
UA8ZDE	56,782	456	21	37
UV8BB	31,516	448	21	29
UA9CAX	30,562	195	16	43
UA8KVB	7,808	96	15	17
UA8GLV	31,955	381	19	36
UA8JAD	15,162	233	18	24
UA8TAS	133,725	651	17	58
UA9CBM	71,244	377	15	53
UA9YFG	47,763	348	14	46
UA8ZBP	14,010	280	14	16
UA8SE	6,160	158	10	32
UA9AHR	3,570	90	10	38
UA9SAX	30,015	253	11	34
UA9SJJ	15,910	166	9	28
UA9CBO	3,360	46	8	23
UA8SJD	663	50	6	7
UA8FER	25	25	1	1

AZERBAIJAN

UD6DKW	A	737,940	1069	61	190
UD6CN	14	98,040	414	21	65

GEORGIA

UF6CR	A	4,613,680	3982	92	312
UF6QAH	"	128,030	442	34	84
UF6FER	28	67,840	563	12	41
UF6DA	"	7,878	74	11	28
UF6FIF	"	126	11	2	4
UF6FFJ	14	120,267	665	20	49
UF6QAP	"	27,852	227	9	35
UF6QAN	"	7,992	80	13	24
UF6FDR	7	56,430	381	11	43

KAZAKH

UL7LAW	A	798,868	1027	70	207
UL7GAA	"	495,627	815	71	182
UL7LDR	"	36,180	193	20	47
UL7CBM	28	82,840	347	22	73
UL7XE	21	223,944	919	24	69
UL7CAL	14	125,034	480	24	67
UL7GDI	"	81,780	416	25	62
UL7CBB	"	74,830	394	17	53
UL7EAR	"	39,988	187	19	57
UL7LZC	3.5	151,840	822	17	56
UL7GAV	"	39,266	350	13	45
UL7CAD	1.8	14,820	156	11	27

KIRGHIZ

UM8MBA	A	742,400	1086	79	211
UM8MCC	21	24,544	220	15	37
UM8MDX	14	56,486	331	16	45
UM8MBI	3.5	592	37	6	10
UM8MAZ	1.8	22,261	52	6	15

TADZHIK

UJBAS	21	145,827	524	27	72
UJBUC	14	15,996	147	14	29
UJBAW	3.5	6,206	109	8	21

TURKOMAN

UH8DC	A	1,210,860	1458	86	224
UH8HCN	"	34,340	297	22	46

UZBEK

UI8BI	A	852,962	1235	79	204
UI8TAA	"	88,494	402	28	70
UI8ADR	28	76,722	607	13	44

EUROPE

AUSTRIA

OE1ZES	A	9960	87	26	57
OE1NPH	28	206,403	805	30	77
OE7SH	14	45,446	505	15	47

AZORES ISLANDS

CT2QN	14	71,214	457	20	63
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BELGIUM

ON4FD	A	1,176,855	1775	83	253
ON4ALC	21	97,988	668	50	69
ON4XG	14	49,800	363	23	60
ON7JC	"	19,095	234	14	43
ON5WL	3.5				

OH7KA	4,047	45	21	36	SV0CT	28	311,738	1570	26	72	ROMANIA										WALES										YUGOSLAVIA										EUROPEAN U.S.S.R.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
OH5PA	3,726	33	21	25	SV0AU	28	21,888	199	15	49	Y06VZ	A	457,418	1184	70	154	GW3JW	A	42,210	203	33	72	UA4UBG	115,177	421	49-100	UA3DRT	110,980	377	77	102	UA6A6J	100,164	294	58	146	UA6ALV	94,848	411	37	115	UA3QLC	92,568	338	53	99	UW3NE	81,780	276	39	106	UA1AUA	69,972	318	32	87	UA3DIN	52,214	200	38	84	UA4CDY	49,020	382	31	98	UA1CGE	42,957	185	40	71	UA1CAQ	39,064	287	20	56	UA3GEA	30,600	199	18	57	UA3TAM	27,819	200	25	74	UA3AGW	23,617	136	31	52	UA6AJF	22,752	185	20	89	UA4WAU	21,716	195	23	63	UA6LFO	20,855	142	24	73	UA3G60	19,760	116	28	67	UA4QK	17,472	134	20	59	UA3RFT	15,884	163	19	57	UA6HNJ	12,300	114	27	55	UA1DF	12,060	80	25	42	UA3RCT	6,825	85	9	11	UA3LCC	6,363	47	14	27	UA3IAK	4,295	73	13	40	UA4NCI	3,608	32	17	24	UA4ACA	2,673	63	11	22	UA3MDE	1,302	28	10	21	UA6ARX	86,025	635	18	57	UA4AIS	24,360	218	14	44	UA3DIN	11,210	113	17	42	UV3FL	7,420	110	4	30	UA3AAJ	1,862	36	7	12	UA3DFU	204,120	757	29	81	UV3UO	187,872	903	26	77	UV3UO	45,820	397	19	60	UA3G60	336,020	1372	26	80	UA4PNX	158,340	780	24	67	UA4LM	71,904	510	20	64	UA1ALF	69,012	493	22	59	UA3ECR	68,724	567	17	52	UA6AUT	50,800	587	19	46	UA4CH	43,364	352	16	58	UA6LXI	35,711	290	22	45	UA6AXX	21,105	249	17	46	UA1QBV	10,260	105	19	39	UA3QBC	232	19	3	5	UA6AYX	16,320	175	13	47	UA3LAR	11,102	112	14	47	UA3LBE	10,125	149	9	36	UA3YAO	3,774	87	8	26	UA3SDJ	2,407	73	6	83	UA3SDE	68,809	666	14	85	UA3DFK	39,990	517	12	50	UA3UAC	39,690	478	13	50	UA3EZ	31,111	560	11	42	UA3TGB	16,080	245	9	39	UA3VAQ	13,800	242	8	38	UA1SW	6,825	118	9	30	UA3LE0	16,215	298	8	39	UA3ABI	966	42	6	17	UA2FFD	39,911	305	33	74	UA2EC	38,000	361	17	59	UA2FDG	6,080	250	5	19	RA2FE	972	56	4	14	UA1NAY	86,010	319	38	84	UA2GKM	281,796	721	73	203	UA2GLW	41,600	239	31	97	UA2GDD	477,904	1989	30	89	UP2BA0	1,162,880	1610	91	304	UP2BAS	694,830	1337	79	296	UP2PAW	674,784	1253	74	166	UP2NA	591,056	1000	75	196	UP2OU	343,668	750	67	209	UP2PCB	338,322	905	46	135	UP2BE6	243,295	586	56	191	UP2QD	239,094	622	54	168	UP2BFC	193,304	477	66	198	UP2PBZ	193,802	419	57	161	UP2BBF	186,504	579	62	166	UP2BAT	136,890	455	49	146	UP2BDO	118,448	384	44	132	UP2BB	110,220	407	46	119	UP2NX	81,249	341	42	113	UP2PBM	79,323	427	34	107	UP2PCX	57,784	311	31	93	UP2BDX	41,230	214	38	95	UP2BID	27,499	229	25	82	UP2BFU	18,020	214	17	51	UP2BFV	8,260	111	16	43	UP2BJU	444	13	6	3	UP2BAU	318	49	3	6	UP2BEL	110,800	458	24	76	UP2BEI	117,855	897	24	71	UP2BLE	16,646	236	12	46	UP2BGE	11,904	104	13	49	UP2BAL	86,071	891	16	67	UP2CT	20,548	403	12	32	UP2BJM	14,319	304	8	35	UP2BEN	13,161	297	7	34	UP2BIP	3,842	103	6	22	UP2BGG	9,748	224	7	34																																																																																																																																																																																																																																																																																								
OH7L2	2,623	59	11	32	HA0IT	A	831,716	1358	85	252	Y06FR	281,925	875	69	156	Y06X	155,039	425	55	142	Y06XA	43,995	240	31	56	Y04BEX	38,065	258	42	73	Y06EX	16,247	95	29	48	Y02CHT	12,906	104	18	36	Y08CMB	10,857	219	12	35	Y07ARY	8,680	88	12	44	Y04BXX	2,050	43	8	33	Y04KRF	28	104,380	556	21	64	Y06U0	21	20,944	195	15	41	Y08BSE	7,296	120	11	27	Y02GZ	4,268	51	12	32	Y04BEW	14	38,556	438	16	47	Y04FM	7	122,320	927	23	65	Y05ALI	17,856	149	15	49	Y06BHN	2,574	50	13	20	Y06B7Y	5,74	43	3	11	Y08KGH	544	27	5	12	Y05CCX	542	59	4	5	IS080H	A	191,312	670	53	123	IS0QDV	28	9,760	175	10	22	IS0FPH	14	119,938	867	24	67	GM5EMM	A	200,796	612	47	127	GM4LHA	28	34,188	366	17	49	GM4FDM	21	128,466	793	21	60	GM3RA0	121,948	752	23	63	GM3ITN	14	138,590	680	30	85	GM3YOR	7	36,930	350	15	59	EA7XQ	A	782,340	1451	65	171	EA3B0W	184,620	488	52	129	EA4CDE	143,220	449	42	90	EA2APU	116,472	432	41	97	EA5EV	97,440	340	45	129	EA1NZ	19,780	85	37	78	EA7ZN	19,224	170	17	55	EA4AP1	10,008	85	21	51	EA3GF	28	3,862	62	9	23	EA3CSX	21	3,906	67	9	22	EA2ALW	14	89,475	475	21	54	EA3CVD	22,350	300	13	37	EA2IA	3.5	199,872	1253	23	73	EA7AIN	24,214	434	11	42	EA2OP	1.8	22,880	378	10	45	SV5JVA	A	10,325	150	13	12	SM5AOE	A	1,195,810	1545	94	291	SM5AD	348,930	593	74	241	SM6ID	213,306	516	56	163	SM6COP	199,206	625	52	137	SM7KIL	165,126	405	60	114	SM7MT	130,732	292	54	149	SM7BYV	87,528	385	41	126	SM2DIR	96,824	300	38	114	SM7LSU	90,825	256	50	125	SM5RE	83,726	251	43	86	SM5AFE	51,194	165	52	91	SM7CNA	30,348	110	39	69	SM6BLE	28,322	100	47	72	SM4AZD	26,680	173	29	86	SM6CGO	25,200	120	30	75	SM6DUA	8,272	60	24	64	SM7HEC	8,272	41	34	35	SM6NGI	4,674	56	22	35	SM6INC	127,280	615	23	71	SM6BDS	83,808	414	23	81	SM6TW	83,944	292	24	74	SM6KOK	17,613	131	17	40	SM6EQW	13,224	167	17	40	SM4CMG	2,240	40	7	13	SM4DHF	202,044	727	28	85	SM0KVV	186,923	671	28	79	SM2JTV	26,880	299	17	43	SM7TR	18,676	164	17	41	SM6NJK	9,460	144	11	32	SM7MNO	6,369	127	11	22	SM7ERC	22,920	330	17	43	SM6JY	17,784	215	14	43	SM5CBM	12,208	92	16	40	SM6LPD	11,895	200	9	30	SM5JU	9,216	135	12	36	SM6BGA	7,870	74	16	34	SM6BNZ	49,528	506	18	64	SM7PI	4,212	107	6	36	SM6MLL	2,871	98	5	24	H89AGA	A	440,000	553	101	299	H89AJY	417,300	649	82	243	H89APJ	262,504	742	52	173	H89DX	15,974	76	25	77	H89AJJ	14	56,576	255	28	77	H89BPP	10,492	64	22	64	EU4DWD	A	15,840	106	25	47	EU10H	28	187,920	1029	24	63	I2UBI	A	1,197,858	1629	95	267	I0ZTU	21,093	176	23	56	I0XXR	265,896	1018	30	78	IK1AAW	216,420	836	29	62	I06POY	158,592	781	22	62	I2JIN	18,644	142	16	43	I04VT	21	188,800	851	26	74	I0SKK	137,760	435	25	71	I1IKT	17,088	178	14	34	I7PKV	7	33,116	365	14	54	I0QOQ	14,994	182	14	38	I1XPQ	3.5	18,639	268	10	47	AU1ITU	A	1,475,100	2124	94	302	PA0GN	A	956,158	2196	87	239	PA0VDV	154,336	339	63	149	PA0WRS	71,048	250	39	127	PA3BTH	65,780	361	39	104	PA0GT	64,554	215	48	111	PA3BDK	62,160	250	28	120	PA3BQW	33,580	172	33	59	PA3BLU	32,785	145	30	53	PA0INA	19,090	100	18	28	PA0BYN	5,832	67	13	23	PA0PHK	6,975	73	16	29	PA0RRS	7	12,240	110	13	47	PA0T5	3.5	9,504	143	10	44	PI1PT	8,866	89	11	51	PA0DIN	8,802	130	10	44	LA7JO	A	1,588,633	2358	100	291	LA6ZV	28,458	182	34	68	LA7SI	24,521	140	34	79	LA6LA	11,319	79	28	49	LA1IE	4,510	38	21	34	LA1VL	11,858	155	11	38	LA2EG	3.5	35,035	130	7	35	LA4LN	1.8	280	20	3	11	SP0PT	A	598,794	935	76	242	SP2JS	366,064	751	75	199	SP3AUZ	361,400	772	71	207	SP9JA	236,915	520	65	180	SP9AKD	235,098	509	64	158	SP7AWA	140,800	468	52	148	SP7AFW	57,459	301	51	128	SP6CZ	33,040	224	29	83	SP3CB	11,088	81	22	34	SP9AID	5,412	63	19	22	SP6BD	115,430	351	48	122	SP5LM	111,108	340	51	137	SP7HT	83,764	233	42	130	SP8AT	87,764	233	42	130	SM6CPY	28	142,857	513	29	82	SP3AGE	80,855	341	24	79	SP6EYP	52,089	225	24	73	SP4AWE	21	73,528	369	23	68	SP4BGR	24,115	205	18	47	SP6ES	3.5	30,140	480	9	46	SP2KBA	3,875	131	5	26	SP9KIA	1,767	93	4	15	SP1ADM	1.8	24,336	484	7	41	CT1YH	A	198,916	370	62	163
OH7L3	2,040	59	13	21	HA0IT	A	831,716	1358	85	252	Y06FR	281,925	875	69	156	Y06X	155,039	425	55	142	Y06XA	43,995	240	31	56	Y04BEX	38,065	258	42	73	Y06EX	16,247	95	29	48	Y02CHT	12,906	104	18	36	Y08CMB	10,857	219	12	35	Y07ARY	8,680	88	12	44	Y04BXX	2,050	43	8	33	Y04KRF	28	104,380	556	21	64	Y06U0	21	20,944	195	15	41	Y08BSE	7,296	120	11	27	Y02GZ	4,268	51	12	32	Y04BEW	14	38,556	438	16	47	Y04FM	7	122,320	927	23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

MOLDAVIA			
U050WN	A	405,362	1199 66 175
U050WC		265,740	731 58 150
U050GU	14	99,603	711 24 69
UKRAINE			
UB5EC	A	2,018,320	2555 103 317
UB5MFY		479,818	974 69 227
UB5ICS		408,576	728 78 226
UB5IAN		245,841	707 56 171
UB5UBI		227,156	584 57 161
UB5UKO		207,244	345 78 185
UB5CBA		185,250	603 49 141
UY5TE		158,508	559 46 158
UB5SIF		148,987	698 48 133
UB5LJD		140,085	513 42 123
UB5VK		77,736	421 31 127
UB5EU		75,330	200 48 107
UT5GR		67,628	321 35 101
UB5HIQ		67,620	275 38 109
UB5SG		48,576	206 41 97
UB5LR		48,034	153 47 99
UB5ENI		40,125	241 27 80
UB5UKJ		40,002	233 32 86
UB5IPJ		25,725	147 30 75
UB5TR		24,521	147 31 82
UB5DAV		18,490	221 18 68
UT5NN		16,302	159 25 53
UB5VAW		14,337	130 23 58
UB5MLV		9,918	129 16 42
UT5HP		6,540	57 19 41
UB5QIP		3,476	47 15 29
UB5ZBF		1,056	26 9 23
UB5YU		660	15 8 12
UB5ZAB	28	122,661	576 25 64
UB5MM		105,696	526 26 70
UY5WE		69,144	374 25 61
UB5ECO		55,426	749 20 54
UB5ENV		47,175	278 19 56
UB5IET		43,470	230 19 50
UB5QDU		33,201	232 18 45
UB5UKH		20,544	192 18 46
UB5FDT		5,508	88 30 34
UB5UAU		2,552	40 8 21
UB5MBP	21	208,670	934 30 80
UB5EM		80,684	459 25 67
UB5MLP		28,416	214 19 55
UB5DWD		21,080	140 18 44
UB5DVB		14,840	181 13 40
UB5BX		7,175	94 12 29
UB5UKW	14	161,026	734 28 81
UB5NQ		118,104	604 27 84
UB5BZ		68,292	459 23 61
UB5RS		51,332	353 20 62
UB5KAL		32,695	325 18 47
UB5QBC		32,631	302 21 50
UY5CJ		24,552	209 17 55
UB5WCV		19,252	213 13 44
UB5EEP		18,483	206 17 44
UT5BW		5,600	75 12 38
UB5JMR	7	397,578	1608 30 99
UB5UCR		141,900	701 26 74
UB5CE		47,964	323 19 65
UB5UEG		44,608	350 22 60
UB5WCJ		39,176	258 16 67
UB5MEG		19,437	216 15 42
UB5AEM		12,880	173 17 39
UB5QHF		6,930	170 9 36
UY5D0	3.5	96,664	717 18 68
UB5BAT		70,384	700 16 67
UY5SE		57,753	614 13 56
UB5WAB		42,053	548 11 55
UB5EJU		32,269	470 12 49
UB5IFN		24,076	380 12 40
UB5DCW		17,212	293 11 41
UB5ULP		12,341	305 14 30
UB5CN		9,272	200 7 31
UB5UCF		7,254	185 7 32
UB5AER		6,120	151 9 25
UB5PBA	1.8	10,878	243 7 35
UB5WCQ		6,482	197 6 26
UB5ZAL		6,192	158 7 29
UB5IEP		5,236	130 7 27
UB5IOI		1,633	66 6 17

OCEANIA			
AUSTRALIA			
VK6ANE	A	204,640	437 63 97
VK2GW		142,002	410 57 69
VK5AFX		99,176	382 38 50
VK3DXI		74,533	343 26 47
VK5GD		67,704	255 43 48
VK2DID		13,572	87 24 28
VK4XA	28	141,008	877 19 37
VK6AJ		133,458	873 20 58
VK3JR	21	1,984	26 15 16
VK3MR	7	75,174	375 25 42
VK6AKK	3.5	2,000	45 9 7
EAST KIRIBATI			
T32AF	3.5	83,000	714 16 24 (Opr. KH6UR)
GUAM			
KG6DX	21	658,728	1775 36 90

HAWAII			
KH6ND	A	1,430,020	1910 112 142
N6HR/KH6		378,276	1097 54 62
KH6J		17,628	113 29 23
AH6J		4,375	44 16 19
KH6JWK	21	56,224	340 24 32
INDONESIA			
YB5AES	A	5,750	47 22 24
YB2BOT	14	1,210	21 11 11
NEW ZEALAND			
ZL1AIZ	A	84,255	245 53 70
ZL1BXW	28	109,736	633 20 38
ZL2RY		70,218	503 17 30
ZL1AXQ	14	123,450	556 23 52
ZL3AGI		46,168	277 22 36
ZL1RNN		41,496	156 30 61
ZL1AMO	7	168,636	761 28 50
ZL1AZE	3.5	4,496	42 12 12
SAIPAN			
AH6C	7	404,457	1468 31 62
SOUTH AMERICA			
ARGENTINA			
LU1EWL	A	165,984	506 44 70
LU4DTJ	21	307,200	1291 27 53
LU6EF		218,544	847 26 61
LU5FGG		150,780	726 22 48
LU1IAB		68,390	331 25 45
LU5EIO		48,778	290 19 39
LU7J		8,316	65 16 28
LU6HAA	14	32,806	236 18 29
BRAZIL			
PY2CAR	A	55,926	164 46 71
PY2FRW		20,020	130 21 31
PT2ACZ		1,450	18 13 16
PY1ZFO	28	106,110	440 22 59
PY5XFR	21	232,112	892 29 60
PY2RAN		167,713	591 27 70
PY2DRP		79,692	311 25 62
PT2AQ		54,810	350 16 38
PY1MNH/4		3,000	34 14 16
PY1BVV	14	30,090	200 17 34
CHILE			
CE1ADG	A	38,657	310 21 22
COLUMBIA			
HK1AMW	A	374,448	1063 47 69
HK3NBB		112,714	407 41 56
EASTER ISLAND			
CE0AE	A	1,302	24 11 10
ECUADOR			
HC1SK	A	456,624	1043 56 95
FRENCH GUYANA			
FY7CG	A	379,304	923 55 81
NETHERLAND ANTILLES			
K3UOC/			
PJ3	A	516,342	1229 51 90
TRINIDAD			
9Y4VT	A	6,929,450	4927 131 342 (Opr. N6AA)
9Y4VU	7	400,851	1361 24 75
URUGUAY			
CX7CO	21	771,776	2095 31 93 (Opr. CX8BBH)
CX7BY	14	562,650	1570 31 90
CX6CV		2,052	44 7 6
CX8DT	3.5	2,277	41 11 12
VENEZUELA			
4M3BRF	A	4,232,956	3513 109 297 (Opr. K1CC)
YV1NX		1,691,204	1810 94 220
YV4BOU		460,556	872 68 124
YV4ABR	21	35,022	308 18 21
YV1ANT	7.0	322,844	1294 24 62
YV2IF	1.8	468	19 4 5

MULTI-OPERATOR SINGLE TRANSMITTER			
NORTH AMERICA			
UNITED STATES			
N1AC		2,807,951	2091 120 341
K1RU		2,087,385	1673 122 343

KM1C		1,536,678	1358 109 289
K1RX		1,431,931	1163 125 308
KA1RC		620,455	683 93 226
N2RM		2,042,191	1513 119 348
K2BK		1,030,254	943 104 278
K2FL		778,688	764 107 251
W2UI		564,960	626 99 222
W3BG		3,748,580	2146 156 449
W3GU		1,653,900	1358 120 327
N3RS		1,643,649	1223 131 352
K3WW		1,227,849	1038 120 293
K3QMR		1,101,410	939 115 300
AA3B		720,003	790 93 228
KB3MM		550,689	596 104 243
K3ZF		509,520	476 115 271
N3RR		501,622	605 94 208
KA3LD/3		365,960	475 87 193
KJ3RI		300,886	499 64 147
KD3H		213,004	371 65 141
WB3JRU		124,574	232 65 134
KC3Z		94,540	229 48 97
N2MA/3		53,099	316 81 176
N4AR		3,266,054	1909 155 437
N4RJ		2,840,260	1753 153 427
KA4S		2,748,675	1758 142 405
N4UM		1,635,720	1340 119 311
W4CN		698,100	711 102 256
N4DW		670,070	669 113 257
W4S		117,500	403 67 121
K5RC		3,768,871	2187 163 438
K5EE		1,114,221	948 126 285
K5FUV		1,069,805	1021 113 252
WB5HHM		40,200	134 53 67
N5ND		1,895,440	1533 140 290
N1GW		1,252,900	1190 119 255
W6SX		919,800	1095 104 196
W6G0		712,236	705 122 244
K6SG		635,013	870 94 167
W6BH		592,128	748 93 195
N6OJ		557,664	676 105 191
W6BP		556,444	614 109 225
K6HH		536,060	776 90 155
AJ6V		490,230	754 82 152
K6TQ		184,756	337 83 126
W6CAT		151,548	250 82 137
W6EXW		54,825	160 52 77
K6SMH		21,164	112 27 47
K5TT		250,614	501 70 112
AD8I		2,452,870	1636 138 385
K8SB		2,052,420	1543 129 345
N8CC		980,373	857 120 289
K9CF		1,508,386	1067 136 372
K9ZD		1,037,188	970 117 281
WB9ZGY		11,224	65 25 36
W0FF		543,898	665 81 208
KB0QE		45,396	156 50 67
KB0FP		392	10 7 9
ALASKA			
WL7E		1,059,036	1963 83 143
CANADA			
VE3PCA		2,759,838	2632 121 317
VE3IY		2,118,368	2435 115 277
VE7ZZZ		1,020,759	2020 86 133
VE2AYU		718,272	1032 83 205
VE2HMS		349,056	1077 47 97
VE6AO		336,670	1119 54 77
JAMAICA			
K1XA/6Y5		3,641,430	4030 105 285
MEXICO			
6E5EBE		1,459,282	3116 89 137
PUERTO RICO			
NP4A		11,648,565	6881 168 515
AFRICA			
TANZANIA			
5H3BH		3,808,170	3264 113 280
TUNISIA			
3V8AL		1,517,943	1774 69 218
ASIA			
JAPAN			
JA9YBA		2,685,812	2120 143 303
JH7YJF		2,559,216	2182 132 275
JA6YCU		631,944	881 96 166
JA7YAB		429,780	788 75 120
JA7YAC		409,542	730 82 117
JA7YAI		322,944	606 77 115
JA6YDH		200,008	398 69 115

