

1980 CQ World-Wide DX Contest Phone Results

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

There it was, 1980, and the sunspots kept on hopping! Scores have continued to climb as activity, skills, and equipment improve. Although there was a disturbance that affected propagation on the low bands, the high bands experienced superb openings, with over 170 countries available on 10, 15, and 20 meters.

Top All-Band honors went to EA8AK. Fernando averaged over 100 QSO's/hour. He walked away from the nearest competition by more than 4M points! When you look at the band-by-band breakdown, you will see that multipliers made the difference over the second-place effort of KP2A (Opr. N6ZZ) and the third-place score of N2BA/H18, neither of which let moss grow under their antennas. The top U.S. honors went to K7RI from downtown Seattle, Washington. His JA runs pushed him ahead of K1VTM (Opr. K1JX), W1ZM (Opr. K1ZM), and W2PV.

Single Bands

Once again 28 MHz rose to the occasion, showing that 600 kHz is barely enough space to operate when the band is wide open. The World High score came from KH6XX, Randy, of multi-operator multi-transmitter fame. His score of 1.7M was followed by I0MGM with 1.3M and 9Y4VU with 1.28M. From stateside, N7DD set a new U.S. record with 754K. With countries showing up right and left and all 40 zones active, 10 meters was a nice place to go fishing. Close behind 28 MHz was 21 MHz in sheer volume of QSO's. Pedro, NP4A, was World High with 1.4M points. He was followed by YU3EY with 1.23M points and KG6DX



Zone 40 was active with TF3IRA. (Left to right) TF3YH, TF3CW, TF3JB, TF3DC.

with 1.21M points. Stateside, KM6B came close to the U.S. record set last year with 806K points. K9DX again finished second with 690K. The World High 14 MHz score was I5NPH with 1.06M, followed by fellow countryman I2VRN with a score of 944K. The top U.S. score was K2HFX with 475K, followed by K9RF. With enormous potential is 7 MHz, and SP3DOI took advantage of good activity to lead I6NOA and take the World High score with 281K. KM4K captured the top U.S. spot on 7 MHz. On 3.8 MHz poor conditions limited scores, but 4M3AZC was in the right spot to win for the world with 181K, while N4KE was U.S. high with 44K. Finally, 1.8 MHz yielded QSO's through the QRN. YU3EF was World High with 10K, and K5UR from the middle of the U.S. took top band honors with 2.3K. You should see the juicy DXCC that showed up in the submitted logs: UM8, UL7, EA8, 4X, JA, KC6, UA9, VK, to name just a few.

Multi-Single

I4RYC from a mountaintop in central Italy put it all together and broke the World All-Time multi-operator single transmitter record with a score of 9.9M

points. They were closely followed by EI9CB, VP5WW, and GW6GW, all with scores over 8M. The multiplier search station makes this category very competitive, requiring skill and careful timing so as not to violate the 10-minute rule. In the U.S., K0UK, from another mountaintop in Colorado, utilized European and Japanese openings to maximize their winning score. K3LR and N4ZC finished a close second and third.

Multi-Multi

With last year's VP2KC record something to aim for, a group made up of members of the Potomac Valley, Frankford, and Western Washington Radio Clubs banded together for a DXpedition to PJ2. After extensive computer checking using a new statistical technique, a score of 37,760,742 emerged. Now if you look at last year's VP2KC score, you will see that after the dust had settled this year a difference of 0.02%, or less than 4 QSO's, resulted between the PJ2CC and VP2KC scores. Wow! Consider over 33,000 QSO's were made by both stations! That in a horserace is called a photofinish. The Quito Radio Club, HD1QRC, put together a terrific effort for 19M points, the largest score ever from continental South America. ZZ5OW was third with 11M points. In the U.S. N2AA won the multi-operator multi-transmitter spot by over 3M points with 10.6M. Second went to K8LX with 7.4M points.

QRPP

Well, Chris, G4BUE, once again took the flea power category, this time on s.s.b. His 905 QSO's and 207 countries yielding 493K topped TG9GI's fine effort of 398K. SP2FAP and AI6V were third and fourth in the All-Band category. Other World QRPP leaders were UM8MAO on 28 MHz, WB4BBH on 21 MHz, N3UN on 14 MHz, OK1AIJ on 3.8 MHz, and UT5DK on 1.8 MHz.

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Steve, K3SA, with son, Scott.

Rule Change

The CQ Contest Committee responding to letters and on-the-air comments has decided to rescind the rule requiring that the original log be submitted. If you can submit your original log, please do so, so that copying errors are reduced. If you do not submit your original log, the committee reserves the right to ask for the original log if further cross-checking becomes necessary.

Reminder

Please remember to remove all duplicate QSO's from your log. Each year we receive many world-class scores with duplicates not removed. It's no fun disqualifying someone for something so easily corrected. Take a load off our shoulders and make sure there is no chance of a problem arising with your log: Remove duplicate contacts!

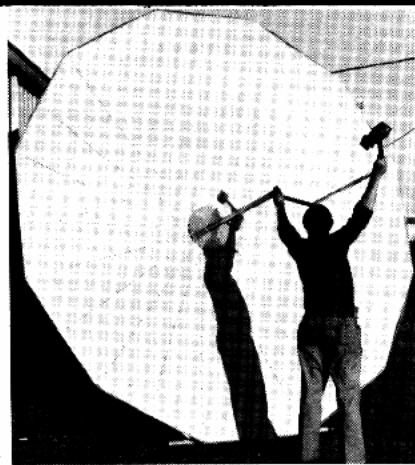
CQ Contest Committee

The CQ Contest Committee consists of active contesters. Their expertise was used to check your logs. The members of the Committee are Chairman, Frank, W1WY; John, K9DX; Terry, N6CW; Yuri, VE3BMV; Dave, K2SS; John, K1AR; Lew, N6VV; Don, N4IN; Fred, AD6C; Glenn, K6NA; Jim, W7EJ; Reg, N6SV; Gene, N2AA; Doug, WB2VYA; and Gene, W3ZZ. A special thanks is long overdue to contest chairmen of various countries who inform their fellow amateurs of contest events and in some cases check logs for submission.

Congratulations to all the winners!
73, Bob, K3EST, and Larry, N6AR

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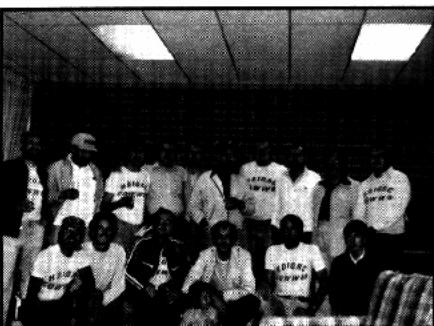
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Say You Saw It in CQ

U.S.A. QRM

Worked a 5X on 2 bands, a JT1 calling us and 86 countries on 10 meters—what a contest! ... A18S. How does one miss VK on 15 meters? ... KA9A. Terrible rain/wind storm that weekend! Couldn't keep 20 KLM on Europe; raided by police cause of TVI... K1RQ. A 20 hour commercial AC failure foiled what looked like our best multi-single effort to date ... K1UO. 14 hours of power outage provided by a super wind storm ... K1IK. Surprised when 6O0DX answered my CQ ... K2FL. Power outage for 5 hours (nice Murphy weekend) ... K2OY. 10 meters was dynamite ... W3BGN. Over the million mark for the first time ... K2PLF/3. Found my 80/40 dipole was on the ground thanks to very high winds. I'm amazed that I was able to work Europe... W3IQS. I hate 4 a.m.! ... KA4S. This is the best contest in ham radio—don't change anything! ... W4PRO. A7XD answered the CQ of our YL operator! ... K4HEX. Biggest thrill was working VU2HI long path ... WA7KLK/QRP. Worked CR9B for WAZ ... AJ7S/QRP. Much satisfaction for QRPP participation—2 new countries, CR9 and 5X5 ... I5JHW/QRP. A big thanks to all who listened for QRPP stations ... K1MNR. 9N1MM answered my CQ Contest—all this after 2 years of trying to work him! ... KA2BYQ. I'm multi-op if you count Murphy ... N2WT. Working G3JKI/5A for zone 34 ... WA2RLQ. Working DXCC in 18 hours ... K2JMY. CQ ought to sponsor a shopping trip for the wires ... WB2MCF. Murphy—Why me? Without power 9 plus hours ... N7T/2. Very high winds here. 14 hour power outage sort of cramped my style ... K2BK. Lost power in storm for 13 hours—take incentive away to get back on ... N2NT(Op, W2YV). My first CQ WW—*wish I had discovered it years ago* ... W3ICM. Two minutes after the linear died, BV2B called for "ones" ... K1WJL. Thought we would lose antenna in 75 mph winds, but didn't—only lost more hair! ... K1KJT. PJ2CC asking me if I wanted a banana... N1APE. 10 was unbelievable ... KB3HH. First contest in 10 years I didn't work at least one new country ... K4KZZ. Biggest thrill—4S7KK responding to my CQ. Biggest disappointment—N7DD refusing to give me a report ... AE4Q. I believe KA6HQ/KH3/interim HL should receive an award for the longest call ... N4PB. The biggest thrill in all CQ WW was working VS6DO on 40 meters ... KM4K. Lost my amp after the first day, 100 watts doesn't get it on 40 ... K4JRB. Darn those multi-single stations just looking for multipliers! ... N4KE. 40 meter antenna failed first nite but I didn't realize it—thought condx were just lousy! ... K5TA. It sure helps when European and African DX occasionally stand by for West Coast! ... WB6MBF. We built this multi-multi station two weeks before the contest on top of a 2000 foot hill with the help of at least 50 people ... KL7RA. Quite a thrill having H44SH and 3B8RS answer our "CQ VE" call on 75 meters ... W4DR. This was our third CQ WW and largest score yet—will keep trying ... K6MEP. Lost electric power for 20 hours ... N2RM. Lower bands very poor ... N7RO. Are you sure the sunspot cycle peaked? ... AD3V. Glad to see less activity by contest hecklers this year ... K7RI. Biggest thrill was teaching my beautiful, non-ham wife to dupe the logs ... W7CB. Unusually high noise level this year; the power company says volcanic ash fallout is causing dirty insulators ... N7AM. When JT0YFU called I thought he was another JA ... K7HCD. Next year I'll be glad to trade my KW and dipole for lower power and a good beam ... KA7DHU. Absorption very bad on 40 ... K7UR. Tried to explain the contest to a neighbor; no luck ... K8MN. Like to hear DX stations sign calls more often ... K9NS. Birds roosted on my beam and made it rotate slowly ... N8AHK. Most valuable lesson is how to improve next year ... KF8K. What punishment; can't wait til next year! ... N8ARA. Worked my first JA in 29 years of hammering ... W8HNI. Poor activity from VK and ZL ... W8YGR. First DX Contest even though licensed since '46—amazed! ... W8DXT. Hint: don't eat tacos during a Phone Test ... WD8JUB. Got CR9B at 2359Z! ... WD9IX. Changing coil taps on the low band vertical in my stocking feet kept me wide awake—but next year it's a relay! ... WD9DEE. Fun running with the big guns ... W9MYG. Hard to do my high school homework with the Contest running ... KA9FXB. My first DX Test and TL8WH called ME! ... WD9GYY. The Phone Test was rough on my recent dental surgery ... AC0N. The new log sheets are great ... W0YK. Agony is when wife brings home a new rig Saturday and you can't stop the Contest to get it hooked up! ... AK0A.

DX QRM

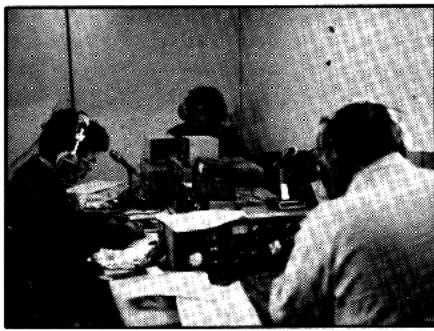
Many dups because many stations calling 3 or more times. Good condx on 10 meters; all U.S. boys are good ops! ... OK1TA. Just giving guys some points and having fun with pile-ups. Hi ... OH6UM. Good propagation, good participation, very nice contest, tnx ... I2MQP. Thanks, nice contest ... UK2GBL. Will be running at least 5 elements instead of dipole next year's contest ... UK2PRC. Conditions were

down compared to last year ... UK9AAN. Bad propagation to JA and VK with my longwire, Hi! ... UP2AV. Thanks for nice contest ... UQ2GEI. Noise level S9 most of the night on 80 meters ... LA5QK. Two hours before the contest the coax cable to the 4-element beam was broken, but will be fixed by the CW part of the contest ... DK2QJ. My first fone contest ... OZ1FTE. At last! After 10 years, first time over a million points ... SM0DJZ. Sure was good for county hunting, about 50 new ones ... SM0CHA. A sincere thanks to K1BV for not giving me the usual 5905 report ... SM5EUF. Terrible weather during the contest. My quad was covered with ice and had no F/B ratio ... SM4CNN. Six days to check the log ... EA2IA. An SP called me just to say that a KH0 was waiting ... EA6GT. Do you know how hard it is to find contest logs after your wife has put them away while moving? ... EA1PT. This contest further increases my determination to build a linear ... G3ZHL. Swung my quad south to work FR0FLO and lost an element. Worked him anyway ... G3SNN. I wanted to test my new antenna—it works ... F6EMA. Would have higher score, but ended early due to severe case of food poisoning ... PA3AEB. Only found out after the contest that it was 5 not 10 watts I needed to qualify for QRP ... EI4DN. The stateside pile-ups were a dream ... K2ON/C6A. Oh! For some more multipliers! Great fun, great contest! ... VE7ZZZ. Power outage Sunday, went to battery, worked 5 mults—QRO who needs it! ... VE3KKB. Great fun on a father-son DXpedition ... FG0GBL/FS7. Computer ok, logging program bombed ... HZ1AB. Got to Truk 30 minutes after the contest started! ... KC6ZR. Profuse apologies to FO0DX who bucked our pile-up for 15 minutes while we ignored him, thinking him a phoney! ... GW6GW. 399 dupes! ... IV3PRK. We are still improving ... I1KN. Big snow storm and hours of S9 noise ... OH2AA. Good activity from U.S.A., G.L. in 1981 Contest ... HA4KYH. Blew up two KW-1000's ... G6CW. Every time we had to work at the antenna system, it was rainy ... I4OJT. Good propagation on 10 meters ... I2CZ. Conditions not very good during the night because of very strong aurora borealis. Our QTH is 150 miles north of the Arctic Circle ... LA1H. This was our first 48 hour shortwave contest. We are 16 and 17 years old ... DL0PE. World's premier contest event getting better and better ... VE3BMV. It was fantastic! ... VE7CVM. If VE3KZ's antenna is twice as high as mine, should his score be twice as high? Some day I'll beat him on 20! ... VE3FRA. Just missed DXCC by one country. Super contest ... VE4TU. Thrill to work so many countries in so short a time ... VE7FAO. Usual excellent contest ... VE1TG. Getting too old to cut the mustard ... VE4RP. Superb conditions, added 13 new countries ... VE5ZU. Wish I could have the same type of JA pileup when operating from England ... G4CNY/VP9. My first contest and my wife says my last one without a computer for the paperwork ... ZS3HL. Many antenna and amplifier problems on this expedition ... I8GZQ/IH9. Power was off here during most of the contest, when I could be here. Next year plan better setup with call ST0CF ... K5LB/ST0. Most enjoyable contest ... S83T. Spent first 9.5 hours of the contest under house arrest with gear and passports confiscated in a hotel room full of machine-gunned soldiers! ... WN4FVU/5X. Even a modest beam is difficult to put up in the apartments of Hong Kong ... VS6JR. Hope this special call helped me break the Asian record ... 4X0U. How sad that HM must be in zone 25! ... HM1PW. Had a terrible cold, so only ran single band ... CR9B. 110 countries in 48 hours shows the universal interest in this contest ... HZ1HZ. Fantastic conditions first night, poor the second ... VK4LX. Single ops could down with compulsory rest periods as in WPX ... VK5OU. The best conditions ever. Contestants were also better behaved. Ten was so crowded, the lowest clear frequency was 28,808! ... AH2E. Next year I promise to break 2 million single band points on 10 meters. Thanks to all for an absolutely splendid time ... KB7IJ/KH2. Beam quit last 11 hours. QSO rate went way down on the vertical ... KG6DX. Could not penetrate the W7 pileup on 5N20DOG and TL8 ... KH6NO. It was a good contest; I enjoyed it ... KX6PI. Very difficult to crack thru the QRM curtain to Europe ... ZL4BQ.

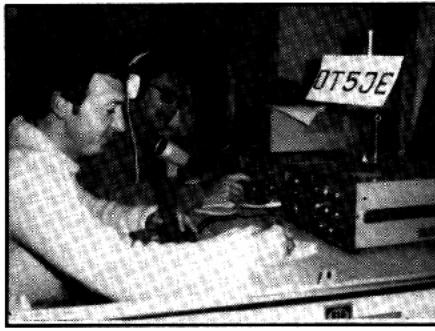
STATION OPERATORS

Multi-Operator Single Transmitter

A44MW/1 & Net, AF6S & N6AU. AG8Z/3 & KB3IQ, N3SD, WB3JGD, N3PA, WB3BHI, WA3ZJE, N3ALL, WB3HGE, WB3JZN, KB3LU, KA3BRQ, WB3KVQ, KA3AYU, W3IOW. 4IBS & KB8IZ, KB8QS, WB8RIG, WB8LNZ, W8CY, N3BJ, KA8FOI, AJ8V & Net, AK8P & KB8FM. AK8T & K6ZM. C02FRC: C02JA, C07RR, L21BY, VE1KC. C26ZT: VE6KW, VE6OU, VE6WQ. D42CF: DA1MV, DA1TD, DA1UO, DJ4EL: K5TM, K5WM. DK9CC: DL2BA0, DL5BAN. DK9K: Club, DL8DDE, &DL1VF, DL8CH, DL8CM, DL8FR, DL8HA, DL9IU: DF2HC, DF7BL, DF5FC, DK1WB, DK7AL, DL3AY, DL9UE: DF3OE, DF6AU. DL9UE: DF2OK, DF3AV, DJ5FT, DJ7MG, DK1II, DL3LU, DL5OL, DL7BL, DL8RL, DL8UR: DF4NP, DL8RH, DL8SB, EA2QD & EA2SN, EA3AIN & Sanz, Aranda. EA3CBQ & EA3AUV, EA3AVV, EA3AOQ. EA5ADI & EA5AMW, EA5AQX, E77TH, & E77WC, EA8ND & EA8SB, E8C9A, G3UKS, G4CEB, KBMR, N8ET. F3TV: F5IN, F6ARC, F6BEE, F50JF: F2Q0Q and 4 ops. F6KAW: F6BAQJ, F6B7K, F6EPV, F6G6D, Michela, Francelise, Mike, Louis. FG0GBL/F57: K87AK, FM7AK, FM7FJE, G3HTA & G3KUX, G4JN, G4JY, G4GHU, G4HOU, G4KAE, G4UDK, G4KAV, G4IOE, G4CVZ & G4JJE. G6CW: G3TVY, G3YUT, G4AFJ, G4EKW, G4HNS, G4JX, G4IMC, G4RYK, G6UW: G3XTT, G3YZO, G3ZAY, G4B8W, G4B8U, G8JC: G3TOD, G3TQZ, G4FWR, G5DCS, G8NWR, G8NSL, G8TUP, G8X6G, G8XR. G05DPA: PA3AC, PA3APA, PA3APA, G4DZE, G4WJOG, G4WQKHQ. GW6BW: GW3GHC, GW3KYA, GW3NWW, GW3NYY, GW3OAY, GW4BKG, GW4BLE, GW4EAT, GW4IGR. HA1KZZ: HA1XB, HA1ZZ, Horvalth, Nemeth, Czapary. HA2KMR:



KL7RA, multi-multi, operating from hilltop outside of Fairbanks.



Winning ON multi-operator single transmitter, OT5JE (ON6HE and ON6KD).



New multi-operator single transmitter record: I4RYC.

Kiss, Feli, Puhaz, Molnar, **HAKRZ**: Sipos, Samon, Raduly, Balogh, Lemon, Gal, **HAHKM**: Nemeth, Szabo, Borstfol, **HA3KNA**: Theis, Muler, Kisanal, Weisz, **HAKYH**: HA4XX, HA4YY, HA4YQ
HA5K0B/p: Toreki, Blasko, Ulrich, **HA5KFL**: Laszlo, Ferenc, Tamas, Jozsef, Laszlo, Kenderess, Tibor
HA5JKD: Meszaro, Papp, Kohalmi, **HA5KKB**: Csukovics, Szilagyi, Lukacs, Gyurfi, Appel, **HA5KKC**/T: Loszlog, Vilmos, Lajos, Csaba, Yozset, Rezsjo, **HA5KKL**: Csizki, Szekely, **HAKKAX**: Abelovszki, Toth, **HA9V9**: Mihaly, Ruszka, Varja, Szucs, Fenel, **HAGKLE**: HAU LC, HAU LJ, HAU HQ, HAU LZ, HAU MK, **HAQ MJ**, **HB6V**: Laszlo, Laszlo, Lajos, Geza, Andras, Istvan, **HK3AXT** & **HK3AFD**, HK3TF, K3ZQ, **HP1XPK** & **HP1XAT**, PIH1XAW, PIH1XCG, PIH1XUL, PIH1XPV, **HTZAB**: KOJJ, KA400D, KL7CD, N6L, W5TXV, W5UUF, **W6KUK**, WTKJ, WA8M0DA, **WAQ1LS**, WB5YAH, WB6WLF, WB7WLO, WB8DPL, Herb Mike, Ray, I1NM & I1ANP, I1DFS, I1FNX, I1JZJ, I1LBH, WI1PDP, I1SBU, Lorenzelli, I1POR & I1FOH, HOJE, **I2CZ** & **I2RW**, I2SLA, I2YC, **IV2PRK** & **I1UW**, I3NDYG, I3EVK, I3FYI, I3GNX, I3MAU, I3ON
I40JT & **I4GZV**, I4JMY, I4KDJ, I4UDT, I4YNO, I4YSY, H2NU, **I4RTC** & **I4ADS**, I4EAT, I4IND, I4LCW, MUS, I4VEO, I4VOS, I4ZSQ, IS0UT & IS0BYR, JA2YKA, JG1FIF, JI1BTA, JI1BTB, JI1BTG, JI2MGC, JI2R0T, JE2R0T, JE2SRB, JA4UDP, JH4VBO, JA9NUF, **JAY4F**: JA4XKL, JH4BXA, JH4CDN, JH4DIT, JH4FMI, JH4MV, JH4JQ5, JG310, JH6PHS, **JAZQOA** & **JA4CUU**, JA4CWJ, JA4KWW, **JAY7AA**: JA9PPC, JR7M0D, JU7UH, J7WTC, JH7CWD, JK1G1S, JH7LIS, JH7WR, JG16W, JH88ME, JH7MM, JH7FG0, JR7UVL, **JAYAB**, JA7UUMT, JH7AJY, JH7TR, JH7SSJ, **JAX7CQ**: JI1FLB, JI1OPF, JF2DCZ, JH7FZI, JR7KWW, JR7UGG, JI1YDZU, **JY1F10**: JA1DNJ, JK1PO, JA1OPM, JA1RDG, JH1FVE, JI1MTM, JL1EEF, JR1FYR, JA0FJS, **JH7YJA**: JH7NHE, JA7DWL, JH7LRS, JR7QKR, JR7FED, JR7DHY, JH7XWT, JH7G6I, **J3YXT**: JH3AYV, JH3DLB, JH3UH, JR3FML, **K1GSK** & **W1A1K**, WB1ECL, KA1DE, WB1FBF, WI1NKH, **K1MEN** & **K1MET**, **K1MM** & **N1AC**, KA1GM, K2BF3 & N2ATX, K2T1G/3 & WB2KCN, **K20N/C5A** & **WB2E00**, Thompson K2OY & WA2STM, **K2PLF/3** & **K3BM**, **K3CR** & **K3FV**, KA1BVA, LA4LN, WB0WPV, WN3VAV, Cooper, McKee K3HPG & WB3FOG, **K3LR** & **A3P**, WB3GUR, K8CX, K3VK, K4BCD, KA3DRR, KA3DPO, KA3EOX, KA3DWN, **K3UC** & **K3VDU**, AJ3H, **K4HEX** & **A4AF**, NC4MJ, NA4U, KT4U, WA4WVO, WA4DLY, WA4RTS, WA4WUJ, WB4ZF, WD4EXG, **K5KG** & **K5GN**, K5TU, N5UJ, **K6DG** & **K6GO**, K6YK, K6YL, WA6BYI, K7EV & K7SE, K7QBY, WZ7O, KA1EXF, KB7Z, **K7MX** & **K5KT**, **K8D8** & **AC8W**, KB1JB, N8AXH, WA8SF5, **K8B6**, WB4UV, ABBY, WB8F0G, WB8DXF, **K8NA** & **N8JW**, WB1LA, W8TA, K8IA, WB1D8Y, WB2KZS, **K8TL** & **K8LT**, WB8KR, V8B8N, NB8JO, WB8PWP, **K9WHU** & **K9FD9**, KA9FSO, **K9GL** & **K9AT**, WA4F0, **W9SL**, K9JSY, N4RR, **W9WP**, WB9UFL, **K9UR** & **K9CL**, K9MW, W9KEA, N9AF0, AE1V, W9QASM, WB9FOR, K9KE, HH2TD, WB9ITG, KA9DOR, KA9CKL, **K4AS** & **W4NL**, **K49A** & **W9LT**, K9UWA, KB9MO, **KB3EI** K3TM, **KB3HE** & **KA3ETS**, WB3LNZ, **KB7ND** & **K7RDG**, W2I02, KB7J0, W7C1KSC, A7D, WB7WVI, **KB7G** & **N7BJA**, WB7RTG, N7AYF, KC7I, **KB7KE** & **KB705**, KD7T, N7ALS, W7D00, WB7W0, **K7WBH** & **WA7UOB**, W7DZ, K7V9, **K7B9J** & **N9AF**, N9BG5, **K4CB** & **A4AM**, **K6ZER**, W7EJ, WB7R, **KH0AC**: W7FP, WB7QFH, KL7T & AL7H, KL7B, KL7ITG, **LA1H**: LA1L0, LA2TA, LA3HW, LA3XH, LA3WX, **LA5X**: LA1EE, LA3LJ, LA3RT, LA4CQ, LA5U, LA6VM, LA7D5, LA7XK, LA9LD, LA9Z0, **LA1ZKSN**: L1ZAC, L1Z0D, L1ZD, L1ZQ, L1XZ, L1ZL, **L2ZKKW**: Willy, Chris, Gene, Nick, **N1T2** & **K1SF**, K1KNO, W1BR, K1FIR, WA1UZH, KA1BBD, KA1ERF, **N4HB** & **N4ND**, KB4GX, WB4BVY, W4RNPH, N4KG & N4AJZ, K4ZGS, KR4F, WN4KNN, **N4WW** & **W4LV**, N4ZC & A4V4K, N4AXT, N4CQ, WA4ZMM, N5TH, **N6BFO** & **W6LEN**, **N6BT** & **WA6VEF**, N6KT, **N6ST** & **NI**, **N6SY** & **N6RL**, KM6K, **N6BJ** & **N6BK**, NI6L, BN1, KY8, N9BDM, **DE2VEL** & **D6CFY**, DK9CW, D2LM, DR1D, DE06EG, **DE4SW** & **DE3GSA**, CE7UU, **OH1HS** & **OH1BC**, **OH2AA**: OH2BM, OH2BNP, OH2BQH, OH2BOS, OH2BRW, **OH7AB**: OH7UE, OH7VR, OH7XY, **OK1FKC**: DK1XZK, OK-18707, **OK1KCU**: Club "Svazarmu", **OK1KTV**: Club "OK1KYS", OK1FR, OK1FVA, **OK1DRA**: OK1AVD, **OK2KV**: Club Vitkovice, **OK2ZR**: OK2PWP, DL6BAW, OK2-25093, **OK3KII**: OK3L1, OK3-17661, OK3KP, Club Meteor, **OK3RMW**: Club Merkur, **OK3VSZ**: OK3CRW, OK3EK, OK3PON, OK3PQ, OK3ZAF, OK3-26701, OK3-26928, **OR7AX** & **OR1AH**, OR5AZ, OR50T, OR6BZ, OR6KL, OR6VN, OR6WK, OR7AZ, OR7BD, OR7FM, OR7NZ, **ORTWR** & **DN4AN**, ON4WE, **ONSYF**, OT5JE & OT5KH, ON4B8, ON5CY, ON5HE, ON6KD, **OD25D0** & **O4C4R**, **PAB4N** & **P2A2WJ**, PA2ERF, PA2ERA, PA2GJN, PE1BBI, **PITARS**: PA0HTR, PE1EVX, Kanon, **P1IRC**: DL9BB, G3MNN, G3M0J, G3XHK, PA0HGN, HB1PT: Van Kessel, Goudsmit, PY3FJ & PY3OB, PY3ZZ, PP5JG, **RS5M**: UBS5MAK, UBM5DC, UBM5MM, UBM5MN, JB5MOA, UY5LKS, **SM5ADE** & **SM6BJ**, **SM5AZU** & **SM6AT**, SMU BGM, SMU MG, SP3ZAC: Konrad, Grzeborz, **SP3ZAU/3**, SP3FLR, SP3IO, **SP7KTE**: Students, **SP9KAD**: SP9HRA, SP9LWC, **SP9PBH**: Club "SR9PDF": SP3JDZ, SP-7631, SP9FIH, SP9PDFH, **SP9PEZ**: SP9-2962, SP9-2846, TF3RA: TF3CW, TF3DC, TF3JB, TF3YH, **U4Fom**, Kushnetsov, Lapin, Markov, Shevtsov, Zagumennov, Zapolski, **UK1NAD**: Club **UK1ATD**, UA1-144-7, UA1-144-30, UA1-144-350, **UK1TAV**, Varganov, Ivanov, Jakymenko, Krasnozhechek, **UK2AF**: Bazan, Veresh, **UK2AX**: UC-002-008-119, UC-009-523, UC-009-613, **UK2BAG**: UP2B8E, UP2DT, UP2BZ, **UP2BAA** & **UK2BAS**, UP2PAK, UP2PAJ, UP2-038-609, **UK2BBB**: UP2B8W, UP2B8B, UP2B8D, UP2MB, UP2PCW, UP2PX, UP2-038-892, UP2-038-938, **UK2BBC**: UP2BDW, UP2-038-728, UP2BFH, UP2-038-346, **UK2BBM**: UP2BEY, UP2-038-1524, **UK2BX**: UP2QA, UP2-038-794, **UK2BCG**: UP2BEJ, UP2BNF, UP2-038-1620, UP2-038-1613, **UK2BCM**: UP2BXD, UP2BWG, UP2-038-881, UP2-038-1630, UP2-038-1622, **UK2BGL**: Agars, Gints, Luks, **UK2GTJ**: U026F8, U02FU, U02GGB, **UK2J4**: JCI2CK, UC-008-50, UC2-008-111, UC2-009-523, UC-009-613, **UK2KAB**: Bondonareko, Esatov, Korbuschenko, **UK2PAO**: UP2BK, UP2BZ, UP2-038-624, **UK2PAP**: UP2C9I, UP2PAK, **UK2PAT**: UP2C9C, UP2BCW, **UK2PCR**: UP2B8T, UP2BCR, UP2BDF, UP2BFI, UP2BFI, UP2PAJ, UP2-038-609, **UK2PRC**: UP2-038-517, Rita, **UK2RAO**: Eneli, Kubas, Liivrand, **UK2RDX**, UR2RJ, UR2REZ, UR2RCH, Mart, Toivo, Andi, Nigul, Edmund, **UK3AAO**: UA3-132-71, UA4-094-440, **UK3AB0**: UA3-170-193, UA3-170-194, UA3-170-339, Borisov, **UK3AAC**: UA3AMW, UA3-170-342, Eremir, **UK3AE0**: Grinev, Lukyanchikov, Pozharikin, **UK3AH**: UA3-142-1228, UA3-142-1253, UA3-151-25, UA3-151-18, **UK3ATG**: UA3-170-193, UA3-170-194, UA3-170-339, Borisov, **UK3AWF**: Taranenko, Zabara, Barabas, **UK3EFW**: Bajko, Bulejnik, **UK5FAV**: Emeljanenko, Grishin, Lewkun, Shabski, Trifonov, **UK5MAG**: UBS5MDL, UBM5DP, UT5HP, UB5-065-951, UB5-065-952, **UK5MBD**: Club "UK5MCD", UB5MGG, UB5-059-230, UB5-059-231, **UK5MCP**: RB5MST, UB5MLV, UBSM0J, UB5MPLD, **UK5MDP**, UB5EMC, UB5M5D, UB5MNP, UB5M0F, **UK5MD1**: UB5M6M, UB5M5J, UB5-059-571, UB5-059-111, **UK5PA**: Vorunie, Lyapunow, Yaroshenko, **UK5PB**: UB50BG, UB6LXC, UB50C, UB50X, UB5XCM, UB5-065-734, UB5-065-862, **UK5WAA**: UB5CN, UB5WAL, UB5WCF, UB5WC0, **UK6AP4**, UB6APP, UA6AP, UA6APW, UA6ARD, UA6ARX, **UK6HCZ**: UW6FC, UA6HCKP, **UKBLA**: UA6-150-798, UA6-150-820, UA6-150-850, UA6-150-888, **UK6LZ**: UA6LHK, UA6-150-798, UA6-150-792, UA6-150-831, **UK6LW**: RIL7AAL, RL7AAS, RL7AAV, UL7AAC, UL7-199-111, UA6-102-009/UL7, **UK7LFL**: UL7-026-199, UL7-026-203, UL7-026-207, **UK76AA**: Club, **UK7PAL**: UL7PAA, UL7PBY, UL7PZC, UL7-023-349, **UK8MF**: Club, **UK8AA**: EZ9AA, UA9AC, UA9EN, UA9AJC, UA9AK, UA9AKO, UA9AKZ, UB9WBY, UA9-154-092, UA9-165-1288, **UK9FER**: UA9AF, UA9VFN, **UK9SAD**: Friedman, Ilkave, Kirkuhan, Porubameikis, Rongn, **UK9SY**: UA9SGW, UA9SH, UA9SHD, UA9SHS, **UK9SSB**: Gorlanov, Marlynov, Samakaeve, **UK9UAA**: Bonarenko, Ehlaov, Glybin, Kononenko, Pleshivtsev,

STATION OPERATORS

Multi-Operator Multi-Transmitter

A4AS & **WA4BBN**, WD4DLY, WD4DJA, **AB0I** & **WA6GDG**, AB0X, AEUK, KOBRO, KC0CS, KQFYJ, KOTLM, KU0VJ, K0XR, KB0U, KB0X, KC0B, N0SS, NOXA, WB0ISW, WB0TBT, **AD3V** & **AC3S**, W3NQ, DJ1BC, DJBRI, DJ6KH, DJ6TK, DF3BV, EA1VG & EA1LO, EA1HG, EA1IN, EA1MQ, EA1FK, EA1OW, EA1WY, EA3NA & EA3SA, EA3AVO, **EM5RM**: EA5TD, EA5EAZ, EA5ET, EA5NT, GB4AN7, G3LDI, G3NQK, G3MPN, G3VZT, G3XZL, G3CWI, G3SEM, G4BAV, G4CVM, G4BTY, GHWDW, G8TVT, GSCSU, G5CZM, G5BBX, HB9H, **HB9AGC**, HB9ALM, HB9A1B, HB9BAL, HB9BLD, HB9BTU, HB9BYW, HB9BYT, HB9BXU, HB9CAT, HB9ZE, HB9ZM, HB9BN, HD10RC, HC1HV, HC1EE, HC1GZ, HC1HC, HC1HW, HC1FM, HC1BI, HC1PG, HC1VL, HC1IH, HC1DD, HC1RE, HC1NS, HC1NP, HC5EE, HC5NP, KTCA, JA1XPY, JI1HGJ, JH40WNG, JE3U3C, JH4QLX, JA7WFS, JA50WP, JF2DIB, JA2YEF, JAQUEX, JR2TPD, JF3THB, JR2PVI, JA9QNC, FJ2KLL, JE2ATB, JF2GNY, JE2LDO, JH2TB, JR2TWA, JF2ACB, JE2KH, JF2NT, JE2UH, JE2RD, JE2RPW, JI2UWZ, JE2WBH, JF2WMP, JH9CTW, JF2FR, JF3NSM, JE2KJR, JA4XKJ, **JAY3TB**: JA4CES, JR3I0T, JE3KIV, JA90PF, JR3VSVM, JA9JTF, JA5XUU, JF3KZB, JA4FF, JA3EHH, JF3XNN, JH5BT, JE3PAS, JE3MCC, JE3PD, JF3EYL, JH3KIL, JF3NAL, JF3MTT, JR3UPD, **JAY3KC**: JH2LRS, JR2SOU, JA3ODC, JH3KWO, JH3PKH, JH3VOT, JH3KBH, JF3BVR, JR3LJO, JF3RRB, JR3PRR, JR3MU, JR3SKU, JRX3KG, JE3MLA, JE3MAS, JE3MXQ, JE3VBM, JF3BHS, JF3HZG, JF3PMM, JF3SPF, JG3EMB, JI3DNRN, JH4AJU, JH4WER, JH4BSM, JA5GZB, JA5T0H, JA6VXM, JR6JNF, **JAY3QD**: JE2HOI, JE3EPK, JF3PLF, JG3POU, JR3GWH, **JAY6A**: JA4SPL, JH6KSI, JH6KJM, JF6DVH, JE6RJB, JE6RN8, JE6RSB, JR6ATZ, JF6ZEE, JH6ZYJ, JRGAGB, **JAY6DH**: JA4JYL, JH6MWG, JH6NLY, JH6SWF, JH6RAD, JH6DFR, JR6KDI, JR6KYA, JE6ASN, JF6LJG, JE6SY, **JAY7YR**: JA7CEC, JA7CFB, JA7CLN, JA7CLX, JA7CXV, JA7F0Y, JA7JUD, JA7LBV, JA7WSC, JA7QCM, JA7MQM, JA7QZW, JA7QE, JA7MEW, JA7MEX, **JAY9AV**: JA95QO, JA9VWY, JA9SOT, JE2FQ, JE2JLM, JF3NO, JH1YD, JA9VSH, JF1EAL, JK1FLU, JK1RJU, JH1GNQ, JK1CQG, JI1OPU, JE1SCJ, JF1SDH, JJ1ETB, **K1CC** & **AK4L**, K1NKV, K1TO, K1ZZ, KA1MB, KATEKY, WI1GNC, WI1VD, YA1YEY, **K2UA** & **K2BD**, K2D2, N2ME, N3AD, KA3BK, WA2HGM, WA2DPU, **K3II** & **WB3EF**, WB3JY, WB3ZIE, K3JL, K3KU, K3RT, K3ND & A3B, K3FD, K3GQJ, K3RL, W3GM, WB3UDJ, WB3FZI, K3WW & K3WJV, KB3G, KA3BLP, K3VV, K22SY, WB3FVY, WA4ARV, N3ARK, **K3ZJ4/F** & **K3TW**, K3WVW, K4PQD, K7SV, N4LB, WB4ASGV, **K5MPE** & **K6VMN**, WA6IJZ, N6MA, WA6FPX, N6VR, AK6A, N6AD, W7MSR, WB6ED, NEBPF, N6AFI, AC6, WA6DJS, W6HWK, K6RU & K6XO, KGSEM, K8LX & A8AU, K8GM, KBMD, N8EA, WB8WW, WB8BQ, WB8YVR, WA8ZDT, WB8BAL, WB8PWE, WD9HFW, K9XR & K9HD, K9HM, K9KU, K9PPY, K9RS, W9TM, WA9EYV, WB9TYJ, **K2B2EZ** & **K2B2MG**, WA2FUW, WB2MJS, WB2LB, WA2LON, WB2PUH, WA2UYY, WA2KEV, N2ARJ, WA2YDG, WD2AER, KL7R & AL7Z, AL7AS, KL7AG, KL7AZJ, KL7GL, KL7ENY, KL7JAF, KL7Y, KL7RA & AL7AF, KBBR, KL7IVX, KL7IWE, KL7J, KL7IXZ, **K6BM** & **K6YF**, K6CIX, K6KP, N6CKM, W6EEN, WB6FB1, WB6NMN, WB6KNU, **LA1K**: LA1JU, LA3G9, LA3TA, LA3ZAA, LA3XAA, LA6ZAA, LA8SX, LA9HT, LA9MW, **LA9K**, LA1FH, LA2SQ, LA3AO, LA3KV, LA4MV, LA6JS, LA7F7, LABDY, LA8FT, **DA1WA/LA** & **DA1DS**, DA1AS, DA1MR, DA1PN, DA2AL, DA2HS, DA2KR, DA2BA, **N2AA** & **K2B2**, K2SS, K2T, K2GL, K2NG, K2GM, K1KI, N1XX, WA2OVE, WB2VYA, **N2RM** & **N2MM**, **N3LR** & **N3RS**, W3BI, **N4TA** & **W4DOLR**, WB8BT, N5AU & W6SGNJ, KM5R, W5LSE, W5FO, K5AQ, N5AJW, AF5K, N5CR, KM5K, **M5F1IV**, **N5L1R0** & **A1Z7**, KA7AHJ, WZEMK, WAZNG, WB7TRU, WL7A7E.

LZ7A: LZ2SC, LZ1CL, LZ1YQ, LZ1KSP, LZ2DF, LZ2CC, LZ2IF, LZ2KM, LZ2UF, **OK1KSD:** OK1WT, OK1JKW, OK1AEZ, OK1JWA, OK1SF, OK1AZ1, OK1TS, OK1AMF, **OR5AH** & ONSAV, ON5IC, ON6AH, ON6MH, ON6OR, ON6VL, CN7L, ON7KL, **PABA RC:** PA0WBF, PA3ASO, PA3ASF, PE1CSW, NL387, **RJ2CC:** NR4V, N4MM, K3EST, VY4ZD, N6H-N3RD, N3ED, K7SS, N7ZZ, **WB4W**, **SZK2W:** SM2DMU, SM2DOS, SM2EP, SM2DG, SM2EKH, SM2MKH, SM2ALH, SM2DG, SM2KQW, SM2KWW, SM2KWW, SM2LMG, SM2HTF, SM3DMP, SM7DLZ, SM6GMG, DH6DX, **W20W** & N2HR, K2C0, K2CDE, KA2JTF, KA2JX, N2BXG, KG2Y, KG2Z, KW2BFDN, NW2BZK, WB2SGS, N2DE, K3MYI, K3MYY, K4AJD, WB2VJN & N2GJ, W2REH, WA2IFG, WA2KY, **W3FA** & K3Z, N3GB, WB3AC, WA3KCY, WA3ZAS, WB3RLR, **W3DHM** & W3LP, K3DL & K3DL, K4JF, KBWJ, N2FB, N3TR, W3MR, WA3XU, WD4AXM, **W4GMN** & K3GM, K300, K3UZF, N3VV, KB3DJ, **W4DR** & K4WHN, KG4W, KX4S, K4AEVH, N4BLX, NB4A, WB4BAL, W4MYA, WA4HOT, WA4ZK, WD4IMC, **W6RF** & WB5COS, K6XT, N6ND, N6NR, W6UOF, WA6DBC, **W8LA** & W9XM, W9ZM, K9XQY, N9RB, WB9NOV, WB9QOU, WB9RN, WD9CPX, WD9CQWJ, WB3EAG & KA3FAB, **VUYAJD:** YU70RS, Sasa, Dule, Voja, Bata, Brane, **YU7CDB:** YU7001, YU70DS, YU7001, YU70OZ, YU70RR, YU70BC, Z55W0, PY5EG, PY5WPA, PY5WKA, PY5ZBU, PY5WR0, PY5PS, PY5OGG, PY5OF, PY5XR, PY5VM, PY5JA, 4U1ITU, DF8JU, DJ7NW, DK8JB, DL4EP.

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SINGLE OPERATOR, SINGLE BAND

World

KH6XX, Randall F. Sobol
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World—21 MHz

NP4A, Pedro Piza, Jr.
 Donor: Lee Wical, KH6BZF

World—3.8 MHz

4M3AZC, Alberto Llavia
 Donor: Fred Capossela, K6SSS

U.S.A.—3.8 MHz

N4KE, Ron Blake
 Donor: Arnold Tamchin, W2HCW

U.S.A.—28 MHz

N7DD, Larry Pace
 Donor: Don Thomas, N6DT

U.S.A.

KM6B, Jim Stevenson
 Donor: So. California DX Club

Canada

VE7IN, Earl A. Dery

Donor: Gene Krehbiel, VE7KB

Carib./C.A.

6D6LCH, Luis Charlatinsky

Donor: KP4ES Memorial, NP4A, Pedro Piza, Jr.

Oceania—14 MHz

KX6PI, Norman E. LaRiviere

Donor: VK3JW Memorial, Pacific DX Net

So. America

9Y4VU, Franklin Brooker

Donor: Rafael Ponce de Leon, CX3BR

MULTI-OPERATOR, SINGLE TRANSMITTER

World

I4RYC (Oprs. I4RYC, I4ADS, I4EAT, I4IND, I4LCK, I4USC, I4VEQ, I4VOS)

Donor: Don Wallace, W6AM

Canada

CZ6ZT (Oprs. VE6KW, VE6OU, VE6WQ)

Donor: Calgary Amateur Radio Assoc.

MULTI-OPERATOR, MULTI-TRANSMITTER

World

PJ2CC (Oprs. PJ2FR, PJ9EE, K3EST, N4RV, N4MM, N8II, N7ZZ, N3RD, W8LRL, N3ED, W3AZD, W4BVV, K7SS, K0OO)

Donor: Radio Club Venezolano

U.S.A.

K2UA (Oprs. K2BU, WA2HGM, K2UA, N3AD, KA3BKR, N2ME, WA2DPU, KD2T)

Donor: Dale Hoppe, K6UA

Europe

SK2KW (Oprs. SM2DMU, SM2DQS, SM2EPR, SM3DMP, SM2DGU, OH6DX/SM2, SM2EKM, SM7DLZ, SM0GMG, SM2HAK, SM2ALH, SM2DGQ, SM2KWQ, SM2KWW, SM2KWW, SM2LMG, SM2HTF)

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World—Multi-Operator

KC6ZR (Opr. W7EJ and W7ZR)

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MDC 6603 WIRED..\$99.95

VOLTAGE CONTROL TUNER

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ANTENNA KIT.....\$29.95

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CIRCLE 137 ON READER SERVICE CARD

FIVE BAND TRAP DIPOLE

BARKER & WILLIAMSON MODEL 370-11



FIVE AMATEUR BANDS WITH ONE ANTENNA

Rugged construction at low cost

Five bands 80,40,20,15 and 10 meter operation with one antenna.

Complete with 50 ft. RG8 coax and PL259. Easy installation.

Only two adjustments required. Only 110 feet long.

Handles 1000 watts—2000 watts P.E.P.

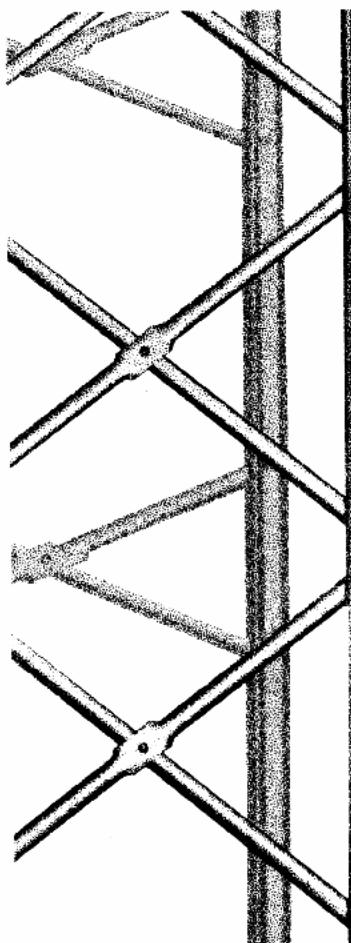
MODEL 370-13—Four band model available for 40,20,15 and 10 meters, 55 feet long. Both above antennas available in kit form for the do-it-yourself operators.

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CIRCLE 4 ON READER SERVICE CARD



Rohn 'BX' TOWERS

- For Home TV, Ham Radio and CB.
- Up to 18 sq. ft. antenna capacity.
- Available to 64' in 8' sections.
- All riveted construction — no welds.
- Beaded channel leg for added strength.
- All steel — galvanized for added life.
- Can be used with Concrete Base Stubs, Cylinder Base or Hinged Concrete Base.



UNR-Rohn

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U.S.A.

CIRCLE 41 ON READER SERVICE CARD

TOP SCORES

WORLD

USA

Single Op
All Band

Single Op
All Band

EA8AK	8,996,673	K7RI	2,972,846
KP2A	5,254,080	K1VTM	2,694,282
N2BA/HI8	5,071,046	W1ZM	2,678,325
YX2AMM	4,898,361	W2PV	2,612,984
OH6JW	4,582,048	K1AR	2,375,588
XE2MX	4,182,528	K5RC	2,277,450
DJ4PT	4,182,321	W6BH	2,266,719
G3FXB	3,770,819	W6RR/7	2,250,600
UB5MCS	3,754,543	N3BB	2,234,676
FO0DX	3,703,203	W3GRF	2,196,678

Single Op
Single Band
28 MHz

Single-Op
Single Band
28 MHz

KH6XX	1,762,332	N7DD	754,536
I0MGM	1,318,966	W0YK	665,379
9Y4VU	1,281,635	W7ISX	608,495
I5SDG	1,279,314	W7WA	551,152
4X0U	1,187,200	W5MYA	538,350
G3MXJ	1,182,800	K0ZX	493,885

21 MHz

21 MHz

NP4A	1,431,000	KM6B	806,680
YU3EY	1,235,675	K9DX	690,228
KG6DX	1,213,940	K6EVR	437,801
LU7MAL	1,142,248	W9RE	430,400
KV4FZ	1,097,096	W5JW	409,224
OH0AM	1,043,178	W7KHN/6	396,675

14 MHz

14 MHz

I5NPH	1,062,936	K2HFX	475,924
I2VRN	944,415	K9RF	312,050
6D6LCH	915,040	W8UA	268,280
EA9IE	852,900	K0KX	266,000
OH8SR	830,088	N4CT	257,850
DL0PG	805,812	K1NG	255,816

7 MHz

7 MHz

SP3DOI	281,970	KM4K	45,450
I6NOA	233,996	K2IGW	43,092
OA4AWD	220,719	AD8C	32,153
CT2CE	173,826	WB9QPN	31,200
JA2BAY	161,568	WA6KKM	30,745
DK6PY	123,018	K4JRB	30,192

3.8 MHz

3.8 MHz

4M3AZC	181,794	N4KE	44,910
H1BJG	80,136	AB1A	24,309
YU2BOP	74,568	W8ZF	19,992
I4AVG	66,598	WA4SVO	18,894
UA6LGX	52,976	N7RK	11,200
YU4VBR	52,950	K9WZA	10,620

1.8 MHz

1.8 MHz

YU3EF	10,305	K5UR	2,324
UC2ACA	9,920	AD4U	972
OK1AWQ	7,844	W4PZV	882
UB5MDA	6,075	N4IN	798
OE1LPW	5,358	K5NA/2	676
VE1BNM	5,358	K6SE	540

Multi-Op

Multi-Op

I4RYC	9,918,368	K0UK	4,097,840
EI9CB	9,364,212	K3LR	3,574,664
VP5WW	8,741,677	N4ZC	3,414,725
GW6GW	8,641,050	K8NA	3,353,544
IV3PRK	8,365,761	W3BGN	3,280,200
KC6ZR	7,605,360	WB2FZO	3,028,525

Multi-Op

Multi-Op

PJ2CC	37,760,742	N2AA	10,687,196
HD1QRC	18,846,176	K8LX	7,425,600
ZZ5OW	11,049,401	K2UA	6,607,288
N2AA	10,687,196	K9XR	6,580,175
SK2KW	10,224,864	W3MM	6,430,168
LZ7A	10,165,332	K3WW	6,372,093

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
EABAK	30/6/14	294/18/58	374/24/66	1031/33/95	1377/32/100	2155/30/107
KP2A	45/5/6	297/12/34	199/17/45	824/22/56	1833/32/78	2463/28/81
N2BA/HIB	80/7/14	460/19/51	1467/28/77	1442/25/66	1957/29/85	
YX2AMM	232/10/22	466/18/41	1189/31/74	1056/23/77	1430/22/59	
OH6JW	129/11/41	200/22/56	991/32/81	1526/30/80	864/36/93	
XE2MX	54/4/4	300/13/14	589/22/31	606/32/65	1011/31/70	2025/28/75
CL4PT	34/2/8	290/10/46	360/20/58	580/25/68	940/26/67	1680/30/69
G3FXB	14/3/13	193/11/40	241/8/38	424/30/80	900/25/77	1481/32/74
UB5MCS	20/4/13	62/6/26	166/13/47	857/35/83	583/29/67	1653/30/80
FO0DX			13/5/5	244/20/26	848/37/94	825/31/76
					1377/28/65	

WORLD TOP MULTI-OPERATOR SINGLE TRANSMITTER

I4RYC	73/10/51	306/18/59	1259/38/114	1370/38/114	2989/35/115
E9CB	33/5/24	313/13/48	422/10/53	1034/37/116	1352/35/104
VP5WW	5/4/4	479/15/38	341/20/55	1480/29/98	2078/30/97
GW6GW	18/4/18	76/11/44	425/15/62	1413/33/107	1115/33/96
IV3PRK	145/15/58	288/30/76	1512/36/120	1137/36/94	1997/33/99
KC6ZR	55/12/16	157/22/38	825/37/95	2904/35/71	2256/31/63

WORLD TOP MULTI-OPERATOR MULTI-TRANSMITTER

PJ2CC	287/12/29	835/21/76	1466/25/84	3555/37/148	4768/37/148	5029/35/148
HD10RC	57/6/9	572/18/38	920/23/62	2430/35/119	3664/36/124	2880/35/104
Z25OW	16/9/13	248/22/48	2174/34/95	1525/36/92	3648/34/120	
N2AA	40/8/12	238/25/75	320/29/84	1367/40/150	1593/36/127	1348/35/127
SK2KW	303/9/42	539/30/84	2012/40/132	3350/37/106	1314/36/108	
LZ7A	713/17/65	480/16/54	2059/39/134	2312/38/127	2134/40/122	

WORLD TOP 10 QRPP

(5w input)

1. G4BUE.....493,884
2. TG9GI.....398,198
3. SP2FAP.....197,750
4. AI6V.....194,040
5. W8ILC.....161,102
6. AJ7S.....145,666
7. WA4FHQ.....131,296
8. N2GC.....129,850
9. DK5EZ/EA8.....127,872
10. N2US.....127,302

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.

PHONE RESULTS SINGLE OPERATOR NORTH AMERICA

UNITED STATES

K1VTM	A 2,694,282 1719146 396	(Op. K1JX)				
W1ZM	" 2,678,325 1735140 393	(Op. K1ZM)				
K1AR	" 2,375,588 1735123 351					
AA2Z/1	" 1,603,440 1420 109 284					
K1DG	" 1,582,462 1306 117 310					
W1PH	" 878,274 886 100 254					
WB1ANT	" 740,914 960 175 196					
K1LL	" 654,576 731 86 226					
K1LS	" 525,228 862 83 193					
WA1DZW	" 525,096 619 87 219					
NTAU	" 475,020 664 78 183					
W1XX	" 435,336 537 78 213					
W1GD	" 411,536 535 73 199					
K1WJL	" 387,750 564 61 174					
K1WLW	" 387,342 564 70 173					
AJ1I	" 371,952 538 66 180					
WA1ZAM	" 254,826 388 70 164					
W1FJ	" 218,504 402 53 138					
WA1CCR	" 206,147 337 53 158					
K1BV	" 203,798 446 40 117					
AK1B	" 169,540 364 48 125					
W1BWS	" 159,580 291 63 139					
K1LXJ	" 157,577 331 46 123					

WING

21 367,928 884 35 113

K1KJU "

122,364 406 29 79

K1GG "

116,271 397 26 78

W1FIM "

63,540 244 25 65

AK1G "

44,945 183 24 65

K1YL "

38,356 159 22 64

NIAPE "

28,015 129 16 49

K1NG "

255,816 585 38 114

K1WB "

213,850 558 33 97

W1DO "

10,512 50 24 49

K1XA "

28,860 135 22 56

AB1A "

34,309 124 21 52

K1VHS "

4,140 39 15 30

AA1K "

493 23 5 8

W1BB "

252 7 3 6

W1JZ "

120 11 2 3

W2PV "

A 2,612,984 1844 137 389

(Op. K2TR)

N2LT "

1,723,722,1409 117 312

AA2Z "

1,603,440 140 109 284

N2IC "

1,599,032 1374 112 292

N2SS "

1,478,016 1335 105 279

K2DM "

1,313,500 1236 103 267

N7TT/2 "

1,241,768 1081 113 299

W2GD "

1,100,900 1004 107 283

W2TA "

1,019,030 983 100 262

W2IFK "

815,408 860 94 234

K2NJ "

751,140 765 103 248

N2MR "

644,864 652 104 248

K2UU "

643,738 700 94 230

W2YY "

638,918 681 90 239

W2YF "

(Op. N2NT)

W2FS "

471,168 581 82 206

K2BK "

444,154 565 80 194

K2TD "

442,680 658 60 178

K2P "

437,598 490 91 231

K2PA "

424,386 556 85 186

AE2A "

356,070 636 54 141

W2YC "

334,332 478 76 175

W2YOF "

297,134 492 65 153

N2VW "

295,236 390 86 192

K2OIX "

267,421 383 78 175

N2ATD "

264,040 391 67 163

W2NJJ "

228,550 458 45 130

K2SNK "

228,452 392 54 145

K2XKA "

227,046 350 68 169

W2RQ "

213,041 475 43 120

K2SY/2 "

204,943 394 52 139

N2AWH "

158,685 379 41 108

N2BIN "

146,944 306 52 112

W2JGR "

138,918 276 48 125

W2TE "

138,308 338 33 109

W2FGY "

122,450 274 46 112

W2BTG "

116,403 251 47 114

K2SPQ "

97,875 263 34 91

W2LU "

89,178 208 58 109

W2CDJ "

80,700 208 51 99

W2SDO "

75,486 186 41 97

W2TJE "

67,900 176 45 95

K2JMY "

55,440 131 51 103

W2LJM "

55,440 131 51 103

W2LJW "

55,440 131 51 103

K2PLF/3 "

77,450 731 112 263

K2GNH "

761,328 854 90 216

K2KZ "

735,111 875 88 221

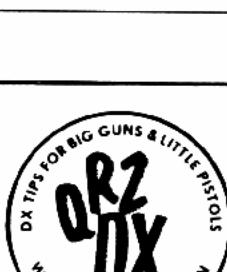
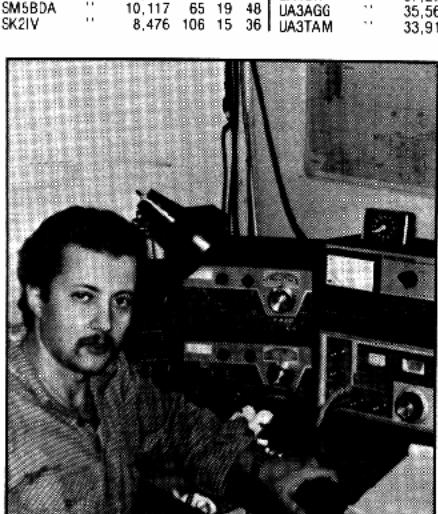
W2UJ "

734,446 808 90 224</p

W4YE	165,025	334	48	127	W5JW	21	409,224	1073	33	103	WAQHJJU/7	"	108,936	240	53	100	WA8CAE	"	28,704	147	17	52	WB6FC	"	42,465	163	32	63	
WA4NRQ	147,420	330	46	110	WB5UDX	"	202,500	588	31	94	W7WVH	"	91,448	204	60	101	WD8IDE	"	27,300	166	18	47	WD6AWL	"	37,695	172	34	71*	
K4CTY	147,240	271	60	134	W5LKP	"	104,760	307	32	88	KA7CDD	"	79,779	395	29	60	WD6JUB	"	15,340	102	17	42	WD6BKT	"	36,375	131	33	64	
W4CUE	145,075	300	53	122	WB5ZAM	"	45,560	257	20	44	WB7RFC	"	75,640	233	51	73	WB8WFS	"	2,130	24	9	21	WOIYR	"	36,006	134	33	68	
AE4Q	143,071	253	49	124	WD5GNY	"	13,216	92	20	36	W7JNC	"	69,154	173	51	91	N8BN	"	924	21	11	11	WB6WUJ	"	35,375	111	50	75	
AJ2E/4	136,629	298	45	126	KG5FC	14	186,677	476	36	103	(Pr. WA4CTA)	"	147,246	408	35	103	WB7TAZ	"	65,205	200	45	70	WB6WUJ	"	36,006	140	33	54	
W4AVY	124,425	254	49	126	KD5EB	7	24,905	122	22	53	N7AM	"	50,750	157	51	74	KB8LH	"	77,272	256	32	72	WB6WUJ	"	35,375	129	30	61	
KQ4M	118,193	238	52	129	K5OY	"	25,187	106	29	60	N7MW	"	35,392	129	46	66	WB8WFS	"	37,362	165	22	56	WB6WUJ	"	36,006	119	23	52	
N4IA	112,047	237	56	113	WB5EB	7	24,905	122	22	53	K7YDO	"	33,077	125	35	62	WB8WFS	"	23,384	119	23	56	WB6WUJ	"	35,375	111	50	75	
KC4FX	108,783	259	48	105	WB5VX	"	12,015	100	17	28	K7WOD	"	32,032	90	67	76	KB8PZC	"	2,430	34	12	18	WB6WUJ	"	36,006	121	30	61	
WD4RC0	97,028	198	67	124	AF5H	3.8	3,096	45	12	44	K7KD	"	31,944	90	53	79	WB6WZ	3.8	19,992	144	23	45	WB6WUJ	"	35,375	111	50	75	
KB4YG	96,425	173	68	130	WB5LB	"	2,496	35	10	22	WB7OF	"	31,137	118	34	63	WB6WZ	"	2,130	24	9	21	WB6WUJ	"	35,375	129	30	61	
W4WUJ	90,724	229	48	100	WB5ZU	"	2,414	32	11	23	WB7TT	"	30,000	105	28	72	WB6WFS	"	28,704	147	17	52	WB6WUJ	"	35,375	111	50	75	
W4UYP	87,920	226	41	79	KG5UR	1.8	2,324	171	10	18	W7KSA	"	14,475	67	26	49	WB6WFS	"	813,792	853	91	245	WB6WUJ	"	35,375	129	30	61	
NB4X	52,080	176	42	70	WB5BH	A	2,266,719	2012	125	274	WB7TAZ	"	13,216	80	21	38	N8AFY	"	803,862	855	95	236	WB6WUJ	"	35,375	129	30	61	
W4KMS	45,936	129	43	89	(Pr. WB5OM)	"	1,331,877	1196	126	264	WB7TAZ	"	12,738	72	24	42	WB6WFS	"	821,516	654	100	243	WB6WUJ	"	35,375	129	30	61	
W4CEB	44,888	132	43	81	WB5OM	"	97,688	1780	1688	137	WB7TAZ	"	10,286	117	18	19	WB6WFS	"	821,356	684	100	226	WB6WUJ	"	35,375	129	30	61	
W4RX	38,375	126	41	76	KG5HZ	"	1,469,604	1482	118	230	K7RS	"	9,790	69	24	31	K9MD0	"	546,650	598	99	226	WB6WUJ	"	35,375	129	30	61	
K4BAM	38,000	139	32	58	WB5RR	"	1,441,134	1441	125	229	WB7TAZ	"	3,157	28	16	25	K9LWT	"	545,824	853	86	210	WB6WUJ	"	35,375	129	30	61	
K4AQ	36,375	141	27	70	(Pr. K7TAJ)	"	147,246	408	35	103	WB7TAZ	"	40,260	134	48	84	A9:J	"	451,164	828	77	185	WB6WUJ	"	35,375	129	30	61	
N4UA	35,808	132	34	52	WB5BH	"	147,246	408	35	103	WB7TAZ	"	39,154	173	51	91	WB6WFS	"	382,382	498	85	201	WB6WUJ	"	35,375	129	30	61	
W6NSW/4	29,294	118	27	70	WB5BH	A	2,266,719	2012	125	274	WB7TAZ	"	15,152	150	47	97	N8AFY	"	330,832	495	60	172	WB6WUJ	"	35,375	129	30	61	
KJ4G	28,985	112	27	58	WB5AR	"	1,331,877	1196	126	264	WB7TAZ	"	13,216	80	21	38	WB6WFS	"	821,516	654	100	243	WB6WUJ	"	35,375	129	30	61	
W4IVN	27,927	117	28	59	WB5AR	"	97,688	1338	187	169	N7ABJ	"	17,958	80	25	57	WB6WFS	"	821,356	684	100	226	WB6WUJ	"	35,375	129	30	61	
W4OCG	24,710	152	27	43	WB5RR	"	488,202	602	99	101	WB7TAZ	"	89,001	335	29	64	N8AFY	"	321,735	492	77	190	WB6WUJ	"	35,375	129	30	61	
W4APPS	15,580	74	30	50	WB5AN	"	429,348	695	80	142	WB7TAZ	"	51,450	241	25	50	N8AFY	"	316,602	583	75	159	WB6WUJ	"	35,375	129	30	61	
W4PC	10,074	54	22	47	WB2Q/6	"	345,320	607	62	132	WB7TAZ	"	36,448	223	22	45	WB6WFS	"	284,574	398	77	185	WB6WUJ	"	35,375	129	30	61	
AK4T	8,804	50	31	40	WB6US	"	335,818	524	83	155	WB7TAZ	"	30,804	157	21	47	WB6WFS	"	224,910	402	53	136	WB6WUJ	"	35,375	129	30	61	
WA4QBX	4,135	36	18	29	WB6OKK	"	335,068	569	72	139	WB7TAZ	"	24,453	90	28	71	WB6WFS	"	203,928	318	70	162	WB6WUJ	"	35,375	129	30	61	
WA4NIB	3,978	35	16	23	WB6AHF	"	327,918	504	84	174	WB7TAZ	"	24,357	125	21	48	N8AFY	"	132,528	275	57	119	WB6WUJ	"	35,375	129	30	61	
KT4W	28	490,220	1139	33	115	WB6LTL	"	279,072	437	73	155	WB7TAZ	"	17,958	80	25	57	WB6WFS	"	123,954	214	70	149	WB6WUJ	"	35,375	129	30	61
K4RV	457,024	1075	33	115	WB5VN/J	"	261,320	444	87	148	WB7TAZ	"	17,484	101	19	43	WB6WFS	"	123,954	214	70	149	WB6WUJ	"	35,375	129	30	61	
K3KG/4	439,155	1180	31	104	WB6NH	"	212,064	460	73	115	WB7TAZ	"	7,945	158	16	19	WB6WFS	"	123,954	214	70	149	WB6WUJ	"	35,375	129	30	61	
WB40WD	426,240	1134	33	111	WB6NCN	"	210,405	384	69	126	WB7TAZ	"	6,750	86	9	18	WB6WFS	"	123,954	214	70	149	WB6WUJ	"	35,375	129	30	61	
N4NW	319,740	776	34	112	WB6WTK	"	187,350	444	51	99	WB7TAZ	"	6,230	68	14	21	WB6WFS	"	123,954	214	70	149	WB6WUJ	"	35,375	129	30	61	
AA4A	220,658	571	30	104	WB6JMS	"	172,088	315	74	122	WB7TAZ	"	2,368	51	8	8	WB6WFS	"	133,692	302	45	111	WB6WUJ	"	35,375	129	30	61	
KG5SVX/4	191,436	522	33	96	WB6YQ	"	169,422	327	63	143	WB7TAZ	"	13,216	80	21	38	WB6WFS	"	123,528	275	57	119	WB6WUJ	"	35,375	129	30	61	
N4VZ	153,083	392	31	102	WB6LOC	"	162,900	322	60	121	WB7TAZ	"	16,220	117	17	42	WB6WFS	"	123,528	275	57	119	WB6WUJ	"	35,375	129	30	61	
K4HAV	142,191	448	28	83	AD6	"	20,250	311	44	44	WB7TAZ	"	17,958	80	25	57	WB6WFS	"	123,528	275	57	119	WB6WUJ	"	35,375	129	30	61	
WA4LBJ	136,017	399	29	90	WB6KPU	"	154,090	291	65	125	WB7TAZ	"	12,750	200	55	64	WB6WFS	"	123,528	275	57	119	WB6WUJ	"	35,375	129	30	61	
N4PB	125,769	388	28	84	WB6KJF	"	11,766	86	26	27	WB7TAZ	"	10,206	471	25	50	WB6WFS	"	123,528	275	57	119	WB6WUJ	"	35,375	129	30	61	
DLBU/W4	124,013	404	29	78	WB6UL	"	8,493	50	22	35	WB7TAZ	"	18,206	407	52	130	WB6WFS	"	123,528	275	57	119	WB6WUJ	"	35,375	129	30	61	
K4JRB	10,192	150	22	52	WB6OFE	"	7,625	44	23	38	WB7TAZ	"	17,466	318	60	134	WB6WFS	"	123,528	275	57	119	WB6WUJ	"	35,375	129	30	61	
K4C0V	10,192	127	21	47	WB6OFE	"	6,600	57	22	33	WB7TAZ	"	160,820	336	45	125	WB6WFS	"	123,528	275	57	119	WB6WUJ	"	35,375	129	30	61	
KA4KE	3.8	44,910	207	25	65	WB6SWE	"	17,525	44	23	38	WB7TAZ	"	20,206	407	52	130	WB6WFS	"	123,528	275	57	119	WB6WUJ	"	35,375	129	30	61
WA4AVO	18,894	126	17	50	WB6BYT	"	16,648	57	22	33	WB7TAZ	"	12,750	322	50	109	WB6WFS	"	80,907	205	55	94	WB6WUJ	"	35,375	129	30	61	
AA																													

SAUDI ARABIA												POLAND																
HZ1HZ A 1,372,927 1520 81 236												SP5XMF A 365,160 703 72 183																
WESTERN MALAYSIA												SPR9HWN 237,634 570 68 195																
9M2KG A 211,939 1146 48 89												SP3DAH 228,712 558 64 89																
EUROPE											SPR9BDO 192,517 472 63 188																	
AALAND ISLANDS										SPR9BQJ 174,363 712 34 99																		
OH0AM 21 1,043,178 3074 33 94												SPR7AWA 163,440 502 61 166																
(Op. OH2BBM)												SPR9AKD 131,016 327 64 142																
OH0NA 1.8 117 13 2 7												SP2KAE 122,450 556 25 122																
AUSTRIA								SP9JZR 98,271 334 44 135																				
DE7SHI A 30,175 275 19 52								SP9ADK 77,816 374 34 103																				
DESCWL " 13,930 145 15 20								SP0PBW 75,440 394 39 106																				
(Op. OE5CUL)								SP2JUJ 66,464 260 42 82																				
OE6EUG 28 17,424 105 19 47								SP9HWS 56,072 128 30 71																				
OE1LPW 3.8 5,358 135 5 33								SP1HNH 26,390 148 30 40																				
AZORES						SP1GHW 25,568 171 34 74																						
CT2ON 14 132,048 626 25 87								SP2KAE 122,450 556 25 122																				
CT2CE 7 173,826 797 22 65								SP9JZR 98,271 334 44 135																				
BALERIC ISLANDS					SP9ADK 77,816 374 34 103																							
EA6GP A 299,761 819 57 172								SP0PBW 75,440 394 39 106																				
EA6ET 28 809,958 2719 35 87								SP2JUJ 66,464 260 42 82																				
EA6HF 14 10,856 101 15 31								SP9HWS 56,072 128 30 71																				
BELGIUM						SP1HNH 26,390 148 30 40																						
G3FBX A 3,770,819 3263 109 322								SP1GHW 25,568 171 34 74																				
G3VAVO " 54,900 261 33 89								SP2KAE 122,450 556 25 122																				
G3MVZ " 54,900 261 33 89								SP9JZR 98,271 334 44 135																				
G3MXJ 28 1,822,880 2642 37 123								SP9ADK 77,816 374 34 103																				
OR7FD " 21,567 191 19 72								SP0PBW 75,440 394 39 106																				
OR4XG 28 97,356 442 23 61								SP2JUJ 66,464 260 42 82																				
ON5EW 14 7,614 122 16 39								SP9HWS 56,072 128 30 71																				
OR5UM " 87,760 537 18 62								SP1HNH 26,390 148 30 40																				
OR6JG 3.8 33,600 443 10 50								SP1GHW 25,568 171 34 74																				
BULGARIA			SP2KAE 122,450 556 25 122																									
LZ13CPR A 113,564 415 49 129								SP9JZR 98,271 334 44 135																				
LZ1CW " 223,872 896 33 93								SP9ADK 77,816 374 34 103																				
LZ1EP " 4,210,376 32 7 15								SP0PBW 75,440 394 39 106																				
Y05CFR 14 330,372 1341 35 103								SP2JUJ 66,464 260 42 82																				
CRETE			SP9HWS 56,072 128 30 71																									
SV8BC 28 534,699 2328 32 89								SP1HNH 26,390 148 30 40																				
SV0AW/9 14 75,466 317 31 88								SP1GHW 25,568 171 34 74																				
CZECHOSLOVAKIA			SP2KAE 122,450 556 25 122																									
OK1MSN " 737,804 1163 64 204								SP9JZR 98,271 334 44 135																				
OK2YAK " 647,235 1102 71 214																												

SARDINIA		SM0LPO .. 8,130 139 10 20	UA4CH .. 10,614 122 19 42	UKRAINE	
IS0MVE A 85,840 354 38 107		SM3DXO .. 7,785 79 15 30	UA1TT .. 4,662 63 29 45	UB5MCS A 3,754,543 3341 117 316	VK8BE .. 7,371 92 11 16
IS0DU 28 113,700 558 27 73		SM5CBN .. 6,909 58 16 31	RA3LAL 28 114,804 545 27 81	UB5LAW .. 1,704,285 1986 90 273	VK3SM 21 28,260 168 22 38
IS0KNG 21 119,700 646 26 64		SM0FM .. 3,458 45 13 25	UA3ALE .. 67,540 319 27 51	VK5MFY .. 258,060 578 63 213	VK5OU 14 203,320 606 34 81
IS0UDV .. 52,546 423 26 60		SM5EUF .. 882 22 8 10	UA6LHU .. 65,175 492 23 56	UB5DF .. 244,161 1478 25 57	VK5RX .. 16,368 95 23 39
IS0WON 14 148,932 743 30 78		SM3DMM .. 532 32 5 9	RA3DKE .. 56,808 238 27 81	UB5CE .. 217,752 571 52 159	VK1LF .. 726 22 7 4
SCOTLAND		SM5HPB .. 328,356 977 31 95	UA6PAT .. 34,260 250 19 41	UY5TE .. 141,083 515 41 152	VK5IR 7 8,695 86 17 20
GM3BCL A 667,224 1153 68 148		SM6CKS .. 145,658 1087 36 98	UA4FCI .. 32,588 165 19 78	UB5OCK .. 128,128 423 54 154	FRENCH POLYNESIA
GM5AXY 3.8 5,400 139 5 30		SM0KV/0 .. 100,320 382 33 81	UA3DAT .. 29,665 178 24 61	UB5MFR .. 35,208 233 24 84	FO0DX A 3,703,203 3307 121 266
SICILY ISLAND		SM0QDNL .. 67,510 302 26 85	UA6AJG .. 22,011 319 18 51	UB5EAX .. 28,896 232 26 70	FO0GMM .. 143,564 642 33 43
IT9HLO 28 743,808 1968 36 113		SM7HSP .. 47,926 307 16 46	UA3DNV .. 13,488 259 16 36	UB5ABZ .. 2,275 35 35 65	GUAM
SPAIN		SM9CXM .. 33,539 254 18 59	UA3MBQ .. 4,961 73 11 30	UT5HP .. 672 28 11 13	
EA2IA A 3,004,068 2791 106 311		SM7GK .. 9,794 106 15 44	UA3ODA 21 282,204 910 36 98	UB5VAZ 28 409,265 1400 31 94	AH2E A 3,385,836 3532 110 216
ED3AZW .. 2,437,614 2720 102 267		SM7ABL .. 6,125 65 15 20	UA6LAX .. 86,850 441 24 65	UB5LAN .. 274,968 1094 32 82	KB7IJ/KH2 28 618,120 2077 30 71
EA1PT .. 1,526,252 1915 88 276		SM5AD .. 313,426 1037 34 100	UA6LDB .. 74,592 367 38 106	UB5TAZ .. 245,248 853 32 96	KG6DX 21 1,213,940 3588 33 82
EZ7TV .. 1,082,120 2041 70 190		SM2CEW .. 127,720 505 33 91	UA4CZ .. 57,526 347 29 69	UB5CDF .. 193,500 699 33 92	HAWAII
EE1QH .. 770,112 1333 69 183		SM0JNF .. 105,380 603 25 85	UA6AEW .. 56,277 546 38 81	UB5DAG .. 133,001 536 29 78	KH6ND A 1,830,516 2048 119 190
EA7YE .. 87,704 302 41 111		SM6JY .. 8,840 140 11 41	UA3DFK .. 39,032 268 22 50	UB5KAN .. 121,396 463 33 91	KH6IJ .. 4,875 43 20 19
EA2DT .. 76,544 287 37 91		SM5CCH .. 7,236 62 15 39	UA3DR .. 14,652 85 26 40	UB5PBA .. 112,136 409 32 99	KH6XX 28 1,762,332 4212 37 106
EA1JO .. 47,750 203 37 86		SM4BNZ 7 50,982 415 20 67	UA4C1 .. 8,326 139 12 34	UB5WCW .. 9,190 400 25 76	KH6NO 14 316,657 915 35 86
EA4CV .. 43,360 143 36 124		SM4CAN 3.8 13,988 204 13 39	UA4CW .. 5,566 91 11 37	UB5EDM .. 90,546 455 28 70	KINGDOM OF TONGA
EA7BF .. 43,092 219 37 77		HB9KC A 122,200 447 41 59	UA1DZ 7 119,034 797 28 74	RB5CO .. 88,740 550 25 62	A35FB A 1,154,026 1952 84 118
EA7AY .. 29,165 197 29 66		HB9NN .. 7,191 79 16 35	UA6LGI .. 21,915 234 10 35	UB5MIZ .. 60,434 462 20 56	(Op. JATSGV)
EA5NT .. 27,807 147 30 63		HB9OX .. 21 28,122 99 33 96	UA3XAW .. 10,045 111 9 32	UB5ICS .. 15,808 118 17 47	MARSHALL ISLANDS
EA2CR .. 11,390 113 14 53		EUROPEAN U.S.S.R.		UB5VCD .. 13,359 101 18 43	KX6PI 14 625,548 1630 34 98
EA5AFQ .. 7,783 89 18 25		BYELO-RUSSIA		UB5VCV .. 1,450 18 12 17	NEW GUINEA
EA7AFV .. 5,640 94 20 40		UC2AFE A 309,400 667 61 199	UAZEC 28 111,561 374 30 93	UB5VHF .. 172,988 1093 30 88	P29CH A 139,780 356 54 91
EA3KW 28 476,154 1474 32 94		UC2ACL .. 6,625 85 16 37	KALININGRAD	UB5VAK .. 181,627 447 24 67	NEW ZEALAND
EE1TA .. 131,776 586 29 87		UC2WB .. 44,232 259 25 68	UA7GDO A 3,248,180 3351 103 300	YU3EA A 2,121,795 1787 114 351	ZL4BO 7 108,970 1282 31 54
EA5ANR .. 122,056 584 23 65		UC2RZ .. 31,710 255 8 52	RQ2GAI 28 61,710 375 19 47	YU20M .. 227,448 628 50 112	ZL1BUS 3.8 11,451 131 16 17
EA3ADE .. 81,488 401 23 65		UC2FA .. 140,832 678 30 78	UQ2GEI .. 48,032 308 18 58	YU1NZW .. 197,495 443 58 153	PHILIPPINES
EA2CQ .. 45,980 306 22 54		UC2ACA 1.8 9,920 185 9 31	UQ2GCP .. 10,752 126 13 29	YU3VM .. 73,542 368 31 71	W7LPF/DU2 28 42,462 680 9 12
EA3AB .. 25,728 220 18 49		ESTONIA		YU2LM .. 44,604 222 42 84	REPUBLIC OF INDONESIA
EA7ATE .. 5,664 63 8 40		UR20D .. 28 1,079,298 2561 37 121	UQ2BAQ 3.5 37,524 528 12 47	YU7JJD .. 28,830 170 25 50	YB2SV A 216,904 492 59 93
EA3ARX .. 1,176 26 10 11		UR2RAM .. 45,984 223 26 70	UP2NK A 3,509,110 3288 120 317	YU7NZR .. 12,089 63 32 49	WESTERN SAMOA
EA2OJ .. 93,925 460 20 65		UR2R .. 28,470 167 20 58	UP2NV .. 2,931,684 2342 121 355	YU100N .. 6,432 48 27 40	SW1DA A 1,895,886 2596 98 151
EA7AJN .. 4,104 54 11 27		UR2RKS .. 198 6 5 6	UP2NC .. 780,492 1018 86 251	YU3EW .. 287,912 170 36 105	(Op. K7LXC)
EA7AQK 14 207,376 772 27 77		UR2RS .. 162 6 3 6	UP2CY .. 205,682 528 63 159	YU3FK .. 737,380 1910 36 104	SOUTH AMERICA
EA4APG .. 11,098 126 13 49		UR20D .. 194,235 670 32 83	UP2BX .. 754,868 1232 72 217	YU3TXU .. 594,780 1540 35 103	ARGENTINA
EA3BSA .. 4,181 91 10 27		UR2RK .. 5,100 43 17 33	UP2OU .. 622,480 1099 93 255	YU2CT .. 549,524 2059 27 67	L4BO 7 108,970 1282 31 54
EA1QF 3.8 4,176 84 10 36		UR2RAM .. 45,984 223 26 70	UP2BAR .. 457,277 806 55 161	YU1FJK .. 549,376 1564 34 94	ZL1BUS 3.8 11,451 131 16 17
SWEDEN		UR2R .. 28,470 167 20 58	UP2BFE .. 290,598 649 62 176	YU10BA .. 456,672 1339 32 102	BRAZIL
SM0DJZ A 1,003,068 1265 89 285		UR2RBR .. 17,120 123 23 57	UP2BCS .. 205,682 528 63 159	YU3T2T .. 435,456 1462 30 82	ZZ4DD A 812,838 1264 68 153
SM3BIZ 887,470 1112 86 244		UR2RHF .. 14,303 105 20 53	UP2BAS .. 192,221 676 44 167	YU20G .. 202,000 704 33 92	PP2ZD .. 772,837 1188 68 153
SM4DHF .. 572,586 1061 73 225		UR2RJ .. 7,695 79 16 29	UP2PCB .. 133,956 507 47 136	YU2RVL .. 83,664 340 29 83	LJ7KAK .. 167,203 740 21 59
SM7ATO .. 93,464 400 34 102		UR2RER .. 5,264 52 16 40	UP2PBW .. 106,030 385 43 137	YU7SF .. 11,038 100 17 31	LJ7MAL 21 1,142,248 2939 37 105
SM5BDV .. 67,782 213 47 96		UR2PL .. 5,100 43 17 33	UP2BDO .. 99,919 350 42 121	YU3EY .. 21 1,235,675 2817 37 124	LJ4MEE 14 655,980 1580 36 109
SM4BTF .. 43,25 176 37 88		UR2RL .. 21 175,455 655 29 76	UP2FB .. 92,240 354 37 143	YU1NUF .. 627,309 1720 36 105	AUSTRALIA
SM3CHA .. 33,402 305 21 17		UR2REC .. 9,870 97 14 33	UP2NA .. 70,65 266 38 97	YU1AST .. 741,244 2010 39 122	
SM7TV .. 32,436 223 26 76		UR2RWA .. 14 6,816 92 13 35	UP2BHI .. 24,882 190 19 47	YU3TCM .. 60,984 370 25 74	
SM5CAK .. 26,568 87 37 71		UR2FD .. 7 85,023 273 36 141	UP2NO .. 13,764 158 17 57	YU2BOP .. 3.8 74,558 732 17 61	
SM3CCO .. 12,348 84 19 55		UR2RK .. 3.5 7,161 206 5 28	UP2BBF .. 12,900 158 14 46	YU4VBR .. 52,950 552 15 60	
SM6E0C 28 695,808 1710 37 107		UR2RFK 1.8 3,472 100 6 25	UP2BEB .. 4,182 80 10 41	YU3MY .. 49,421 596 15 58	
SM3EV .. 442,250 1140 36 109		UR2RCU .. 1,320 59 4 18	UP2DM .. 28 255,516 934 31 76	(Op. YU3TVI)	
SM5INC .. 300,039 1074 26 77		EUROPEAN RUSSIA		YU5RU .. 34,456 352 14 59	
SM6LGW .. 280,126 993 27 90		UA6AZA A 1,365,436 2187 84 232	YU3EF 1.8 10,305 228 8 37	YU3EF .. 627,309 1720 36 105	
SM2JUR .. 119,340 596 29 79		UA3CDW .. 925,840 1548 83 243	OCEANIA		
SM0BDS .. 88,470 386 25 65		UA4NAA .. 310,596 641 71 215	UA2BEL .. 120,161 461 28 79		
SM0LEA .. 44,640 381 18 44		UA3AKC .. 269,161 526 51 125	UP2BFR .. 98,649 443 26 71		
SM6KOK .. 29,680 277 18 36		UA3TN .. 228,726 513 52 210	UP2BHT .. 69,003 312 32 57		
SM6JNA .. 26,164 181 18 44		UA1AE .. 176,358 485 59 188	UP2CV .. 11,685 85 19 38		
SM5BRW .. 24,444 120 24 60		UA3TAG .. 70,200 403 43 77	UP2AV .. 21 25,024 265 17 47		
SM5BRG .. 20,230 121 21 49		UA3MM .. 50,040 360 44 95	UP2PAP .. 3.5 15,635 132 17 42		
SM5SARG .. 17,043 141 18 39		UA3HH .. 39,330 242 36 78	U05GR A 125,404 354 64 150		
SM0GYG .. 16,954 162 15 34		UA3AGK .. 37,275 225 32 73	YU5RU .. 14 32,922 183 27 66		
SM7JUQ .. 15,104 96 17 46		UA5OK .. 20,904 139 20 47	YU5OQL 3.5 1,224 39 5 13		
SM4KAJ .. 13,832 113 17 39		UA3AGG .. 35,568 216 22 122	YU5OCL .. 44,616 390 16 23		
SM0BWM .. 13,596 206 21 45		UA3TAM .. 33,915 257 22 83			
SM5SAQJ .. 12,194 78 21 46					
SM7TW .. 12,036 90 17 34					
SM5BDA .. 10,117 65 19 48					
SK2IV .. 8,476 106 15 36					



QRZ Incorporated

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P.O. Box 494

Howe, Texas 75059

CIRCLE 34 ON READER SERVICE CARD

Say You Saw It In CQ

VK8BE .. 7,371 92 11 16
VK3SM 21 28,260 168 22 38
VK5OU 14 203,320 606 34 81
VK1LF .. 726 22 7 4
VK6IR 7 8,695 86 17 20

FRENCH POLYNESIA

FO0DX A 3,703,203 3307 121 266

FO0GMM .. 143,564 642 33 43

GUAM

AH2E A 3,385,836 3532 110 216

KB7IJ/KH2 28 618,120 2077 30 71

KG6DX 21 1,213,940 3588 33 82

HAWAII

KH6ND A 1,830,516 2048 119 190

KH6IJ .. 4,875 43 20 19

KH6XX 28 1,762,332 4212 37 106

KH6NO 14 316,657 915 35 86

KINGDOM OF TONGA

A35FB A 1,154,026 1952 84 118

(Op. JATSGV)

MARSHALL ISLANDS

KX6PI 14 625,548 1630 34 98

NEW GUINEA

P29CH A 139,780 356 54 91

NEW ZEALAND

ZL4BO 7 108,970 1282 31 54

ZL1BUS

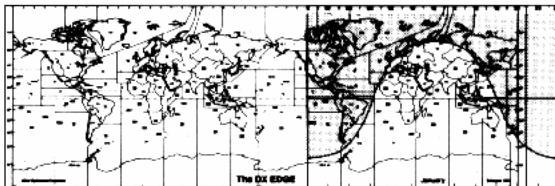
PY2FND	1,736	24	13	15	W100	1,571,752	1176	126	350	KB7W	993,188	1121	102	214	MARTINIQUE	KIRGHIZ				
PY2CPU	28	308,475	785	34	101	K1UU	930,402	848	108	273	KB7G	915,420	1422	80	148	PY7AV	6,710,096			
PY3LIM	"	19,440	190	11	25	K1GSK	879,744	886	103	245	KB7ND	419,184	593	76	170	4521	113	363	UK8MAF	1,217,010
PY2ZTH	21	24,494	224	16	21	K1K	521,002	562	94	243	WA7YCY	287,369	603	64	99	REPUBLIC OF PANAMA	1397	101	238	
CHILE					K1MM	481,948	626	75	209	WB7KE	274,060	507	71	122	HP1XRK	4,417,918				
CE5CN	A	1,279,927	1766	83	170	WIYNE	449,934	627	64	182	WB7CLU	189,476	352	78	124	ST. MARTIN	EUROPE			
CE3DE	28	245,160	917	27	63	K1MEM	347,424	409	98	210	WD7DK	132,924	422	39	75	OE4SZW	AUSTRIA			
CE4EM	"	137,936	636	21	53	WIWK	179,136	348	56	136	K7EY	112,009	399	29	72	FG6GL/	BELGIUM			
CE3GN	21	111,660	500	23	54	W7NI	13,400	113	18	22	FS7	683620	1439	60	130	OT5JE	2,396,068			
COLUMBIA					K2NA	3,353,544	2103	150	414	WP8PNF	420,292	454	129	229	VP5WW	8,741,677				
HK4DKR	21	180,960	640	25	71	K2GG	1,803,386	1291	139	360	WB8ZUY	1,189,218	1074	117	276	OT7AX	3,248,091			
ECUADOR					W2NSD	1,060,689	1060	106	265	A1BS	1,173,036	1015	112	290	OT7WR	3,123,395				
HC1FF	A	1,462	23	18	16	K2OY	803,396	836	98	245	K8TLL	844,580	663	102	247	19,893	1913			
GUYANA					K2UJ	482,257	611	73	204	WB8DD	659,112	709	95	253	TURKS & CAICOS ISLANDS	82	223			
BRIK	A	2,366,378	2518	89	233	W3LR	1,335,418	1085	127	307	WB8PNF	420,292	454	129	229	19,893	168			
PERU					W3RGJ	1,172,448	1005	113	301	WB8DUB	2,337,768	1512	146	402	W5KG/SV9	1,552,848				
QABAX	A	1,179,714	1394	93	198	W3EKV	700,395	739	91	240	K9KA	1,747,568	1325	128	349	1,217,010				
QA4SS	28	217,490	806	27	64	K2ITG/3	670,461	673	112	251	K9HWU	553,002	640	103	215	LZ1KSN	935,295			
QA4PO	"	3,741	58	19	24	AG8Z/3	586,131	747	75	198	K8SJ	260,510	428	66	152	LZ2KPB	292,981			
QA4AWD	7	220,719	923	27	60	WA3EKL	413,100	475	88	225	WB8PVI	213,153	308	72	155	LZ2KZ	264,032			
REPUBLIC OF SURINAM					KB3HE	372,798	462	86	212	KUJK	4,097,840	2513	159	407	REPUBLIC OF SOUTH AFRICA	16	13			
PZ1CC	A	243,740	584	44	96	W3MA	370,476	534	73	173	W8SD	1,606,950	1342	130	320	ZS6BPL	2,960,784			
TRINIDAD & TOBAGO					KB3EI	334,884	524	67	169	K9QAT	1,419,204	1110	122	332	ASIA	233,285				
9Y4VU	28	1,281,635	3151	32	105	K3IE	226,625	341	74	171	WB8QYA	419,748	546	78	188	JAPAN	1,583,322			
URUGUAY					K3CR	204,102	354	62	145	N9BQJ	324,346	474	83	170	OK1KCU	1914				
CK9CO	A	397,635	570	85	160	W3IQS	202,137	342	62	151	K9EA	233,916	452	66	136	OK3VSZ	98	285		
KA6BSE/CX	28	256,956	1136	22	54	N4ZC	3,411,725	2111	144	427	ALASKA	JA2YKA	3,146,991							
VENEZUELA					W4NWW	2,690,014	1702	144	419	KL7Y	4,525,458	4816	116	255	BAHAMAS ISLANDS	289,028				
YX2ANN	A	4,898,361	4373	104	273	W4DAW	2,260,027	1453	140	399	K2ON/C6A	3,297,020	3937	102	251	JA7YJA	1,04	222		
YV2IF	"	977,284	1266	78	188	W4HNB	2,242,654	1548	140	369	BERMUDA	JA7YAA	3,593,004							
YY3BKA	28	1,099,288	2716	33	103	W4PRO	1,082,172	1021	102	262	VP9IB	2,872,119	3492	95	252	JA7YFB	2,057,200			
YV5EED	"	192,316	576	28	86	W6TPH	1,301,831	1352	108	229	CANADA	JA7YAC	1,361,094							
QA1/YV1	"	7,506	96	12	15	K6DC	924,265	991	117	218	K2ON/C6A	3,297,020								
YY4ACY	21	106,559	339	30	83	W6GO	830,944	836	120	248	BERMUDA	JA7YCF	2,127,092							
4M3AZC	3.8	181,794	760	19	63	W6BIP	534,612	696	92	184	YV5EED	2,872,119								
MULTI-OPERATOR					K6T	521,710	718	89	168	VE4TU	316,305	862	36	99	ASIATIC U.S.S.R.	1,361,094				
SINGLE TRANSMITTER					AF6S	403,452	594	92	160	VE2BZT	6,642,405	5461	135	362	ASIATIC RUSSIA	1,361,094				
NORTH AMERICA					W6FDF	367,030	516	91	163	VE1DXA	4,700,361	3553	137	400	UK9AA	7,115,220				
UNITED STATES					W6BFO	305,102	516	81	136	VE3EDC	4,208,581	3311	135	388	UK9AD	3,904,028				
N1TZ	2,739,083	1800	140	401	AC6V	276,689	465	66	137	VE7ZFH	2,781,669	3876	101	190	UK9AD	1,217,010				
K1RK	2,252,536	1607	125	359	AK6P	271,264	430	73	151	VE1UNB	2,624,556	3115	86	251	UK9AA	2,628,174				
K1RU	1,669,695	1298	120	351	N6ST	239,760	395	81	141	VE4XK	2,127,092	3038	98	221	UK9AA	2,628,174				
W1YN	1,599,750	1234	124	326	AE6V	101,850	214	58	107	VE3KKB	1,539,371	1715	108	265	UK9AA	2,628,174				
K1RD	1,596,320	1288	117	323	WB6RWJ	98,580	219	50	99	VE4TU	316,305	862	36	99	UK9AA	2,628,174				
G.I.S.M.O.					WA6MZO	83,025	240	41	82	VE2CUA	289,648	735	56	116	UK9AA	2,628,174				
1039 LATHAM STREET					W6ZYC	12,246	57	33	45	VE3KUD	153,465	298	57	138	UK9AA	2,628,174				
ROCK HILL, S.C. 29730					N7KA/6	11,400	57	37	39	VE7AFY	112,009	460	27	74	UK9AA	2,628,174				
"See You At The Atlanta Hamfest!"					K7MX	6,930	65	18	24	CO2FRC	22,764	97	35	52	UK9AA	2,628,174				
Service Department					1,008,575	1174	108	198	CAYMAN ISLANDS	CO2FRC	1,436,956	1879	87	211	UK9AA	2,628,174				
Call 803-366-7157									CAYMAN ISLANDS					UK9AA	2,628,174					
800-845-6183									CAYMAN ISLANDS					UK9AA	2,628,174					
"See You At The Atlanta Hamfest!"									CAYMAN ISLANDS					UK9AA	2,628,174					
Service Department									CAYMAN ISLANDS					UK9AA	2,628,174					
Call 803-366-7157									CAYMAN ISLANDS					UK9AA	2,628,174					
G.I.S.M.O.									CAYMAN ISLANDS					UK9AA	2,628,174					
1039 LATHAM STREET									CAYMAN ISLANDS					UK9AA	2,628,174					
ROCK HILL, S.C. 29730									CAYMAN ISLANDS					UK9AA	2,628,174					
"See You At The Atlanta Hamfest!"									CAYMAN ISLANDS					UK9AA	2,628,174					
Service Department									CAYMAN ISLANDS					UK9AA	2,628,174					
Call 803-366-7157									CAYMAN ISLANDS					UK9AA	2,628,174					
G.I.S.M.O.									CAYMAN ISLANDS					UK9AA	2,628,174					
1039 LATHAM STREET									CAYMAN ISLANDS					UK9AA	2,628,174					
ROCK HILL, S.C. 29730									CAYMAN ISLANDS					UK9AA	2,628,174					
"See You At The Atlanta Hamfest!"									CAYMAN ISLANDS					UK9AA	2,628,174					
Service Department									CAYMAN ISLANDS					UK9AA	2,628,174					
Call 803-366-7157									CAYMAN ISLANDS					UK9AA	2,628,174					
G.I.S.M.O.									CAYMAN ISLANDS					UK9AA	2,628,174					
1039 LATHAM STREET									CAYMAN ISLANDS					UK9AA	2,628,174					
ROCK HILL, S.C. 29730									CAYMAN ISLANDS					UK9AA	2,628,174					
"See You At The Atlanta Hamfest!"									CAYMAN ISLANDS					UK9AA	2,628,174					
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G.I.S.M.O.									CAYMAN ISLANDS					UK9AA	2,628,174					
1039 LATHAM STREET									CAYMAN ISLANDS					UK9AA	2,628,174					
ROCK HILL, S.C. 29730									CAYMAN ISLANDS					UK9AA	2,628,174					
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Call 803-366-7157									CAYMAN ISLANDS					UK9AA	2,628,174					
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1039 LATHAM STREET									CAYMAN ISLANDS					UK9AA	2,628,174					
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Service Department									CAYMAN ISLANDS					UK9AA	2,628,174					
Call 803-366-7157									CAYMAN ISLANDS					UK9AA	2,628,174					
G.I.S.M.O.									CAYMAN ISLANDS					UK9AA	2,628,174					
1039 LATHAM STREET									CAYMAN ISLANDS					UK9AA	2,628,174					
ROCK HILL, S.C. 29730									CAYMAN ISLANDS					UK9AA	2,628,174					
"See You At The Atlanta Hamfest!"									CAYMAN ISLANDS					UK9AA	2,628,174					
Service Department								</td												



*Y24UK multi-operator single transmitter:
Y23EK, Y24UK, Y21YK, and Y24TK (not
shown)*

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CIRCLE 40 ON READER SERVICE CARD



Brooke N2BA/HI8

**NEW, MOLDABLE PLASTIC
COAX-SEAL® Seal and**

- Only material that will adhere to poly vinyl or vinyl outer coax jackets.
 - Forms and seals over odd shaped and difficult fittings.
 - Non-contaminating and non-conductive.
 - Wide ambient temperature range (-30°F to +180°F).
 - Stays flexible for years thus insuring moisture proof connections.
 - Reuseable-allows you to quickly disconnect fittings and reseal them with the same material.
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Packaged in convenient ½" x 60' roll.

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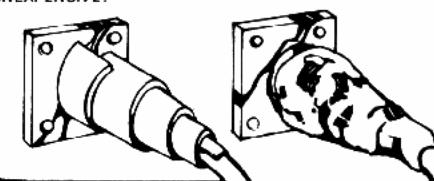
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COAX-SEAL®...the new space age material that is quick and simple to apply. Remove backing from approximately 6" of plastic. Wrap outer covering toward fitting. After wrapping, knead to form a smooth surface and force out air. **EFFECTIVE - FOOL PROOF - INEXPENSIVE**



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CIRCLE 33 ON READER SERVICE CARD

SOUTH AMERICA								CHECK LOGS	
BRAZIL									
PY3FJ	1,344,248 2012 79 147								
COLOMBIA									
HK3AXT	5,649,820 4433 113 308								
MULTI-OPERATOR MULTI-TRANSMITTER NORTH AMERICA									
UNITED STATES									
N2AA	10,687,196 4906 171 575								
K6LX	7,425,600 3943 161 502								
K2UA	6,607,268 3596 155 491								
K9KR	6,580,175 3526 161 504								
W3MM	6,430,168 3366 156 512								
K3VV	6,372,093 3456 160 503								
W3PL	6,242,430 3177 161 529								
N5AU	6,162,977 3582 159 472								
W4DR	5,535,829 3162 162 467								
K1CC	5,277,888 3872 155 461								
AB9I	5,160,050 3541 158 417								
W6RDF	5,042,072 3558 152 351								
W3FA	4,694,400 2588 159 481								
KNGM	4,038,776 3145 137 326								
K3ND	3,689,748 2129 149 463								
K2J/J4	3,685,281 2172 149 448								
KGMEP	3,047,527 2468 124 289								
W9LA	2,287,998 1776 128 346								
N2RM	2,086,928 1726 119 305								
K6RU	2,080,335 1720 126 293								
N3LR	2,020,208 1440 126 370								
N7RO	1,852,133 181 117 242								
W2VJN	1,702,688 1440 116 300								
AD3V	1,525,016 1094 107 401								
W2OW	1,287,163 1174 113 292								
K3II	869,836 825 104 269								
K3IU	855,569 761 117 288								
W3DHH	752,095 748 99 250								
N4TJ	629,770 638 100 255								
KB2EZ	609,102 903 77 197								
A44S	424,080 541 81 198								
WB3EAG	337,510 488 71 174								
ALASKA									
KL7RA	6,355,104 6676 120 266								
KL7R	5,202,162 5275 124 275								
ASIA									
ISRAEL									
424EC	478,728 800 57 161								
JAPAN									
JA3YBF	5,335,440 3930 139 331								
JA3YKC	5,329,908 3985 135 323								
JA7YRR	4,363,775 3241 142 321								
JA2YEF	3,304,524 2962 120 263								
JA1YXP	1,341,230 1875 92 182								
JH1YDT	1,074,502 1304 101 188								
JA6YAI	523,370 924 70 129								
JA6YCU	521,234 841 81 136								
SOUTH AMERICA									
JAYDH	413,056 641 80 144								
JA3YQD	349,920 667 65 115								
JA9YAV	313,272 633 64 107								
JA2YDC	220,908 463 64 100								
EUROPE									
OR6AH	1,127,996 1485 80 212								
BELGIUM									
LZ7A	10,165,332 7698 150 502								
CZECHOSLOVAKIA									
OK1KSO	3,832,086 3090 115 343								
ENGLAND									
GB4ANT	9,727,179 7115 145 416								
GERMANY (FRG)									
DJ1BC	5,050,734 3918 125 382								
I.T.U. (GENEVA)									
DA1WA/LX	2,319,140 2858 93 287								
NETHERLANDS									
PA9RC	135,900 524 42 138								
NETHERLANDS									
LA9K	1,823,730 2391 73 237								
LA1K	677,160 1973 28 104								
POLAND									
SR6PAZ	53,620 226 40 100								
SPAIN									
EA5RCM	3,203,712 3145 103 309								
EA1VG	538,076 1357 77 231								
EA3NA	230,271 1152 91 262								
SWEDEN									
SK2KW	10,224,864 6814 152 472								
SWITZERLAND									
HB9H	7,204,912 6312 133 403								
YUGOSLAVIA									
YU7BCD	6,948,924 4064 152 529								
YU4FRS	6,830,448 4669 124 405								
SOUTH AMERICA									