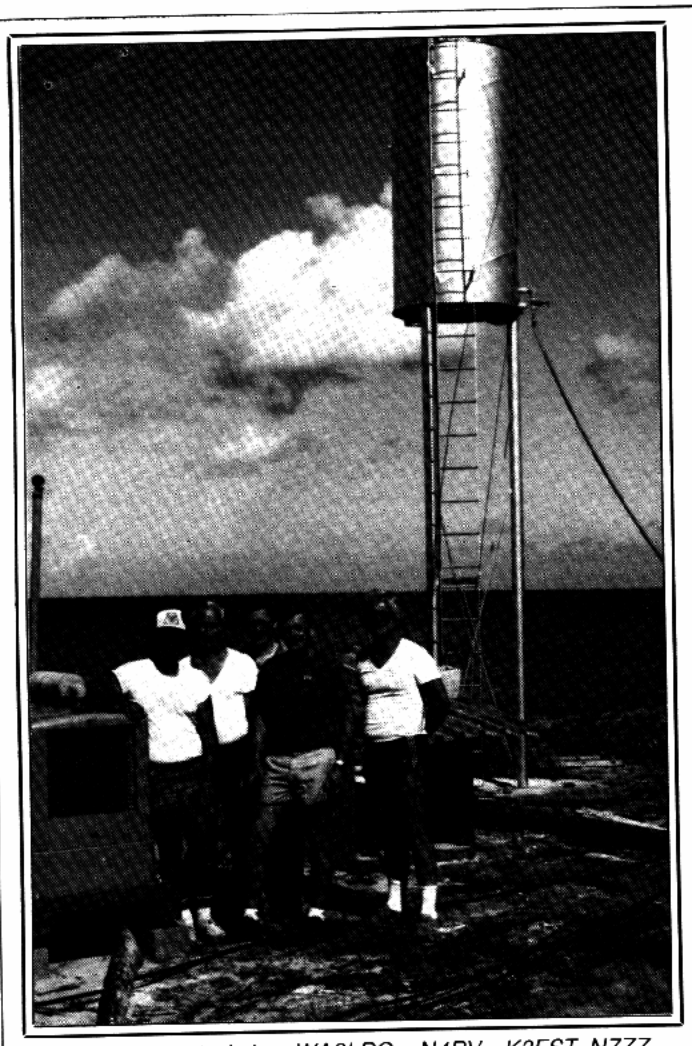
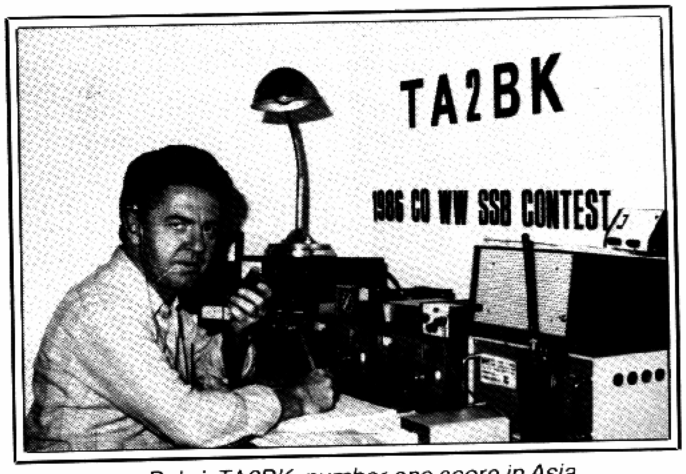


PJ1B, operated by WA3LRO, N4RV, K3EST, N7ZZ, and N3ED.

SV1IW and SV1JG activate J49A.



Bahri, TA2BK, number one score in Asia.

1986 CQ World-Wide DX Contest Phone Results

BY BOB COX*, K3EST/6 AND LARRY BROCKMAN, N6AR/4**

A solar flux of 97 accompanied by little polar cap absorption after months of mediocre to poor conditions left everyone talking about the 1986 WW Phone Contest. The sun surely surprised anyone who turned on his radio. Ten meters was even alive, perhaps as a harbinger of a new sunspot cycle.

After all the talking died down, the honor of world high score goes to 8R1X, operated by Rick, NQ4I. Rick topped 8.9 million points and 5,400 QSOs. P40A, operated by Bill, N1GL, on the island of Aruba, takes second place, while 60 miles away on Curacao, PJ2FR, operated by K4JPD, took third place. In the U.S., K2TR made all the right moves to take the trophy. Fred had more QSOs than any other U.S. operator. In second place is found KT3M, Rob, an enthusiastic young operator using a tribander. He edged out fellow Frankford Radio Club member W3BGN.

High Bands

The action on the high bands reflected the surprisingly good conditions. Comments from all over the world indicated widespread band openings on 10 and 15 meters. Looking at the 10 meter top six shows that it was a battle within South

*3039 Campbell Place, Davis, CA 95616
**12041 Walker Pond Rd., Winter Garden, FL 32787

JA3YBF expedition to C21NI visiting KG6DX after test. L. to r. JG3LZG, KG6DX, JF3MOK, JN1DPL, JH9G.

America. The winner is LU1E, topping ZY5IW, while stateside K4JRB found 100 countries for the top slot. The *real* band openings occurred on 15 meters. There ZZ5EG operated by N5FA not only won the world top spot but set a new world record along the way. In second place was V22A operated by WB7RFA who set a new North American record. ZP5JCY was a very respectable third. In the U.S., Carl, K3RV/4 beat everyone hands down as he became the holder of the new 15 meter U.S. record. The 20 meter world winner, breaking the 3,000 QSO barrier, was OH8PF. His hard work brought him a new European record. Second place was hotly contested with VE3CDX edging out OH8SR and YW1A. Back in the U.S., K2EK was the top score on this highly competitive band, followed by KE7V, 3,000 miles west in Seattle.

Low Bands

On the low bands, ZY5EG led the way on 40 meters. He topped I4VEQ (who set a new European record) and JA8IXM (who set a new Asian record). In the U.S., KØRF from Colorado led all comers followed closely by KM6B. Eighty meters saw three continental records fall. Pedro, NP4A, with the top score in the world set a new North American record, while second-place winner Danny, K7SS, created a new U.S. record. Third place goes to LX9BV (operated by DL6RAI), who set a new European record. Wally, LZ2CJ, once again takes top band (160 meters) world title, making over 1,000 QSOs. Wally says it helps to be able to speak Russian on 160, as there are lots of Novices. It will be interesting to see how the new U.S. Novice phone band on 10 meters affects strategies and scores. A long way from Russian novices, Yuri, VE3BMV, finished a very respectable second by setting a new North American record. In the U.S. Rick, K5UR, continues his winning ways by taking the number one position.

Low Power

The competition for low-power champion of the world was fierce. Angel, WP4G, led the field in the QRPp category. Second place goes to VE1CBF. The QRPp category has steadily grown since its creation several years ago. Many entrants commented in their logs how surprised they were that 5 watts input could do so much. Congratulations to all the QRPpers who persevered against the QRM.

Multi-Operator

In the ever-popular, competitive multi-operator, single-transmitter (M.O.S.T.) category, VP2EC had the high world score, edging out KP4BZ. Both of these teams are to be congratulated for their excellent, clean logs. The top European M.O.S.T. score was I5NPH, who had a tremendous signal on all bands. In the U.S. the top score was KX4S, followed by N2ME and his crew. The M.O.S.T. can be a great deal of fun. Get some friends together and set up two transceivers. Dedicate one of the transceivers as the QSO running station while the other transceiver is used as the multiplier station. Each station requires a different skill so that everyone is active in the station and fun is had by all (see the rules for all the details).

In the battle of the giants—i.e., the

GET THE BRAINS.

To transform your shack into a DX powerhouse, combine the intelligence of Yaesu's FT-767GX HF/VHF/UHF base station and the muscle of our powerful FL-7000 HF amplifier.

You'll be amazed at how you can cut through pile-ups. Be heard anywhere in the world. And wake up otherwise inactive bands.

The brains of the operation: The FT-767GX. This intelligent HF/VHF/UHF base station includes four microprocessors for unparalleled flexibility and ease of operation.

Features include 160 to 10 meter transmit, including WARC bands. Optional plug-in modules for 6-meter, 2-meter and 70-cm operation. Receiver coverage from 100 kHz to 30 MHz. AM, FM, SSB, CW, AFSK modes built in. Ten memories that store frequency, mode, and CTCSS information (optional CTCSS unit for controlled-access repeaters). Memory check feature for checking memory status without affecting operating frequency. Dual VFOs with one-touch split frequency capability. VFO tracking for slaved VFO-A/VFO-B operation at a constant offset. Digital display in 10 Hz steps. Slow/fast main dial tuning. Synthesizer step programming at up to 99.99 kHz per step. Digital SWR meter. Digital RF power meter. Built in RF preamplifier. Adjustable drive level from 0 to 100 watts. Blue fluorescent display. Built-in AC power supply.

Up to 30 minutes continuous transmit (100% duty cycle). Full CW break-in. Built-in CW electronic keyer. Audio peak filter for CW (Yaesu patent). CW and AM wide/narrow filters. Woodpecker noise blanker. RF clipping speech processor. IF shift for both receive and transmit (TX side allows you to adjust voice frequency response pattern). IF monitor. IF notch filter. Audio low-pass filter.

Built-in antenna tuner with memory of settings on each band. Separate antenna connectors for each VHF or UHF optional unit. Separate beverage antenna receive input on rear panel. Quick turnaround time from TX to RX for AMTOR, Packet, and QSK CW. AGC slow/medium/fast/off selection. Push-pull MRF422 transistors

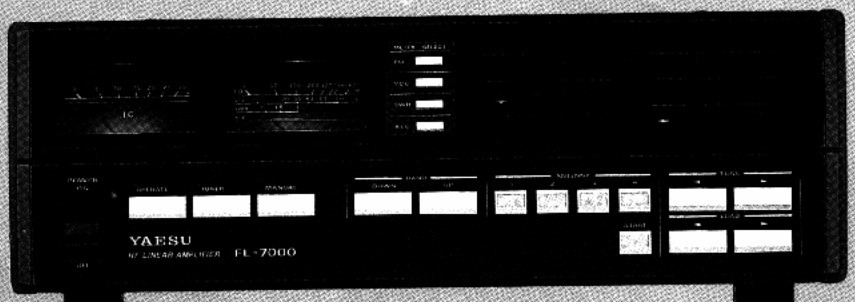
multi-operator, multi-transmitter category—PJ1B showed what can be done at the sunspot minimum by racking up 25 million points from Bonaire. Their QTH was right on the Caribbean Sea (see photo). A quarter of a world away, JY7Z took second place. Not only did they do a great job, but they had the privilege of meeting JY1, who was enthusiastic about their efforts. In the U.S., mounting a great effort and blessed with superb conditions, N5AU triumphed over perennial winner N2AA. A great effort by the boys from Texas.

LU2FDR (M.O.S.T.): LU2FDR operating, helping LU9FDG and LU5FHM.

A Few Words

Checking the logs fairly and thoroughly is a massive undertaking and all of us would like to thank the many comments acknowledging our efforts. In this age of computers, it is becoming increasingly possible to check the logs in a manner which was impossible only a few years ago. However, as anyone who has ever used a computer knows, it still requires someone to type in all the entries. Those of you who either computer dupe your log or keep an online log can save us a *lot* of time, if in addition to your submitted hard-copy log, you also send a floppy disk containing your band-by-band QSOs to K2SS, Dave Donnelly, 8 Alder Street, Lincoln Park, NJ 07035. Dave will return your disk plus give you some blank *CQ* WW logs and a zone map. At this point it does not matter what type of format you are using. We will use your data to compile a master data bank of QSOs. This year we concentrated on 20 and 15 meters. A data bank of over 17,000 unique calls was generated on 15 meters. From this information it was determined that at least 199 countries were active on 15 and we can begin to determine what percentage of calls are unique to a single entrant. Such information will help us understand the dynamics of the contest in a way not possible before. When we assess the data more fully, we will then present our findings in a *CQ* article.

A question that always seems to arise from time to time is just how many of the log scores are changed by our log checking. A survey of all the scores indicated that about 30% are changed, reflecting both increases and decreases. The most common cause of increases in score is a



AND THE BRAWN.

(rated dissipation 290 watts each) operated at 24 volts for excellent intermodulation rejection in transmitter.

Enhanced C.A.T. system for external control of transceiver from personal computer. (Software for Apple IIc/MAC, Commodore C-64, and IBM-PC is available through your Yaesu dealer.) There's also data communication with the FL-7000 linear amplifier for hands-free amplifier operation.

The muscle to get you out: The FL-7000. This solid-state amplifier covers 160 to 15 meters, and includes a built-in power supply, automatic tuner and lots of powerful operating features.

There's fast turnaround time for break-in (QSK) CW, HF packet radio, and AMTOR. Only 70 watts excitation for full output, and 1200 watts PEP input power. Fully protected push-pull parallel wideband "no-tune" amplifier circuit powered by 47V, 25A DC power supply. Yaesu's exclusive "DVC" (Direct Vertical Cooling Heatsink System) with bottom-mounted fan. Automatic antenna matching sensor turns off amplifier and rematches tuner circuitry if SWR rises above 2:1. Hands-free automatic band change when used with FT-767GX, FT-757GX or FT-980. Lithium battery backup remembers antenna selection and tuner settings. Dual 2-speed fans with independent thermal sensors. Connection to up to four antennas, including automatic selection via optional unit. Eight front panel LED status indicators. And more.

Get the DX advantage. Just combine the FT-767GX's brains, the FL-7000's brawn, and your special operating knowledge. What an impact you'll make on the world!

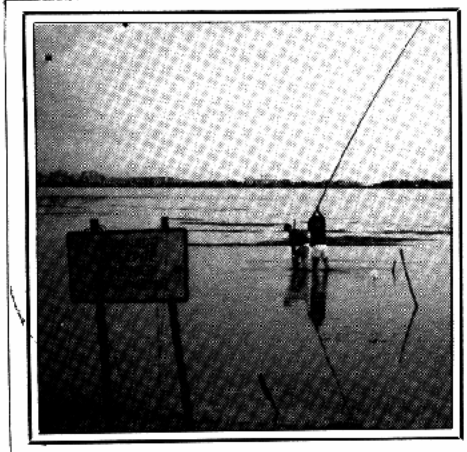
YAESU

Yaesu USA
17210 Edwards Road, Cerritos, CA 90701
(213) 404-2700
Repair Service: (213) 404-4884
Parts: (213) 404-4847

Yaesu Cincinnati Service Center
9070 Gold Park Drive, Hamilton, OH 45011
(513) 874-3100

Prices and specifications subject to change without notice.

CIRCLE 166 ON READER SERVICE CARD



F6BBJ (hands on pole) and F5MF erect antenna on salt water lake for FV6NDX.

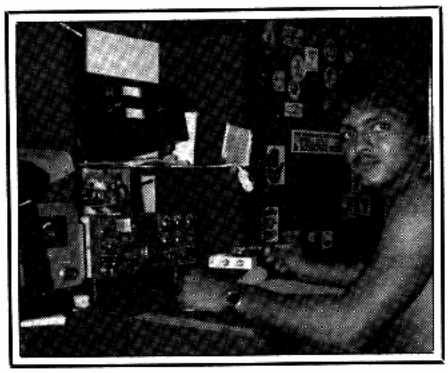
failure to count all the multipliers. Remember that the DXCC list plus UN (RA1N, UZ1N, UA1N), IT, GM (Shetland Islands), JW (Bear Island), and 4U1VIC from the WAE list count as multipliers. Score reductions are for more reasons, including duplicates, multiplier counted twice, and an impossible callsign.

A Special Thanks

A special thanks to all the contest managers of national radio associations around the world. We really appreciate your hard work in gathering your countries' logs together, and in disseminating information about the *CQ* WW Contest. In addition, we all owe our thanks to all the *CQ* contest committee members: Frank, W1WY; Dave, K2SS; John, K2VV; Doug, KR2Q; Gene, N2AA; Ed, N3ED; John, K1AR; Fred, AD6C; Glenn, K6NA; Jan, N6AW; Rick, N6ND; Jim, W7EJ; John, and KE7V. After many years of hard work John, K9DX, leaves the committee and in his place we welcome Mike, W9RE, a top-notch motivated contester. Finally, we would like to thank Dave, N3RD, for helping type computer entries.

Congratulations to all the winners! See you in '87.

Bob, K3EST/6 and Larry, N6AR/4



FB Phone/CW operator HK1HHX.

PHONE TROPHY WINNERS AND DONORS

SINGLE OPERATOR, ALL BAND
World
8R1X (Opr. Rick Dougherty, NQ4I)
Donor: Dave Rosen, K2GM—WA2RAU Memorial

WORLD QRPp
Angel N. Padilla, WP4G
Donor: Adrian Weiss, K8EEG/0

U.S.A.
Frederick E. Lass, K2TR
Donor: Potomac Valley Radio Club

Caribbean/Central America
V31CV (Opr. Mike Rosenfeld, KE5CV)
Donor: Alex M. Kasevich, VP2MM

Europe
YT3M (Opr. Joze Herman, YU3ZO)
Donor: Potomac Valley RC—W4BVV Memorial

Africa
Pilar Fernandez Sanchez, EA9AM
Donor: Gordon Marshall, W6RR

Asia
Bahri Kacan, TA2BK
Donor: Japan CQ Magazine

Japan
Eiichi Saito, JA1XAF
Donor: Japan Crazy Contester's Club

Oceania
Jim Smith, VK9NS
Donor: Northern California DX Club

South America
P4ØA (Opr. William Ovca, N1GL)
Donor: Special CQ Plaque

SINGLE OPERATOR, SINGLE BAND
World (21 MHz)
ZZ5EG (Opr. James A. Hoffman, N5FA)
Donor: North Jersey DX Assn., K2HLB Memorial

World—21 MHz
V22A (Opr. Craig M. Maxey, WB7RFA)
Donor: Lee Wical, KH6BZF

World—3.8 MHz
Pedro J. Piza, NP4A
Donor: Fred Capossela, K6SSS

U.S.A. (21 MHz)
Carl Kratzer, K3RV/4
Donor: West Jersey DX Group

U.S.A.—28 MHz
David Thompson, K4JRB
Donor: Donald Thomas, N6DT

U.S.A.—14 MHz
William V. Gioia, K2EK
Donor: Southern California DX Club

U.S.A.—3.8 MHz
Danny Eskenazi, K7SS
Donor: Arnold Tamchin, W2HCW

Canada (14 MHz)
Barry David Garratt, VE3CDX
Donor: Gene Krehbiel, VE7KB

Caribbean/Central America (14 MHz)
XF5L (Opr. Luis Chartarifsky, XE1L)
Donor: Pedro Piza, Jr., NP4A—KP4ES Memorial

Europe—28 MHz, Zone 14
Gabriel Sampol Duran, EA6VQ
Donor: A.G. Anderson, GM3BCL

Japan—21 MHz
Masanori Kawakami, JR1CBC
Donor: DX Family Foundation

MULTI-OPERATOR
SINGLE TRANSMITTER
World
VP2EC (Oprs. KC5EA, K5RX, N5AU, N5HGB)
Donor: Southern California DX Club—W6AM Memorial

U.S.A.
KX4S (Oprs. KX4S, KG4W, KB4DI, N4DCY, N4HB, N4MXT, NK4J, W4XR, W4MYA, WB4BVY, WK4Y, WU4G)
Donor: Carolina DX Association

Europe
I5NPH (Oprs. I5NPH, I5SDG, IK5BAF, I8MPO, I5MPN)
Donor: Bob Cox, K3EST/6

Canada
VE3BVD (Oprs. VE3OZB, VE3BVD)
Donor: Calgary Amateur Radio Association

MULTI-OPERATOR
MULTI-TRANSMITTER
World
PJ1B (Oprs. N7ZZ, N4RV, WA3LRO, K3EST, N3ED, PJ9EE)
Donor: Radio Club Venezolano

U.S.A.
N5AU (Oprs. K4VUD, K5MR, KM5X, KN6M, KY5N, N5CR, N5RZ, N5TR, WAØTKJ, WB5VZL, JL1BLW
Donor: DX Incorporated Club

Europe
UP9A (Oprs. UP2BAW, UP2BCO, UP2BCT, UP2BCV, UP2BCW, UP2BIG, UP2BIL, UP2BOC, UP2BN,UP2PAJ)
Donor: OH-DX-RING—OH2AM

CONTEST EXPEDITIONS
World—Single Operator
TA2BK (Opr. Bahri Kacan, DJØUJ)
Donor: Stuart Meyer, W2GHK

World—Multi-Operator
JY7Z (Opr. JY3ZH, JY4MB, JY4YJ, N6AA, N6TJ, N6VI, N6ZZ, W6MKB, W6NV)
Donor: The German CDXG & SDXG (DJ3NG & DJ4EI Memorial

**See rules.*

U.S.A. QRM

VS6DO long path, 10 meters QRP! . . . *KZ5Q*. Working KH6XX on 160 meters using the beverage antenna . . . *K1NG*. Field Day style operation from the basement of unoccupied new home . . . *W3LPL*. Working 15 meter long path into Europe; great propagation . . . *N6RO*. Best condx for W5 in years . . . *NR5M*. Finally got them . . . *N5AU*. Old Man Sol really does read the contest calendar! . . . *W3UM*. Looks like 2 is my lucky number! . . . *K3FNW*. First DX Contest since upgrade . . . *KC3ZG*. Who said 10 meters is dead? . . . *W3KHQ*. Installed A-3 Thursday. Great chance to break it in . . . *W3FGS*. Thrill: HS0A. Disappointment: Missing VK9NS . . . *K3ZPG*. Activity seemed slow on 75. Later found out how great the upper bands were! . . . *KQ3V*. A thrill to work BY, VS6, 9V1, 9M2, JT all within a short period of time . . . *W3BGN*. Sleeping through Sunday runs doesn't make for a great score . . . *KM3T*. Working JA's with 2 watts on 20M . . . *KA1SR*.

Unbelievable conditions on 10 meters both days, wasn't expecting 18 Zones! . . . *KQ1V*. My first CQ WW. Enjoyed it! . . . *W1QK*. Worked two BY's! . . . *W1LQQ*. Biggest thrill: breaking through 7Q7LW pile-up! . . . *KA1GQW*. Great fun working places I never heard of! . . . *KA1ONQ*. The propagation experts were wrong. Condx were fantastic! . . . *W1BIH*. Patience is definitely a virtue on 40M! . . . *ND1X*. First time I have entered. Exceeded my wildest expectations. Landed 61 countries, 21 of them new! . . . *KZ1D*. This is some sunspot minimum! . . . *K0EJ (Opr. W1ZM)*. Congrats to N5AU for winning M/M . . . *K5ZD/1*. A thrill to finally snag a BY! . . . *W2GD*. What a difference a beam makes! . . . *NA2Q*. Extra inning World Series game cost 4 hours! . . . *KK2B*. Propagation as good as the high MUF days! . . . *K2MFY*. Never heard so many JA's with 20 over 9 signals . . . *KA2CHX*.

Had a great time. My first SSB contest . . . *KA2YMZ*. Working WAZ single band in 48 hours . . . *K2HFX*. Twenty meters sure is different from 15! . . . *K2EK*. First 19 minutes on 10 meters Sunday netted 56 contacts! . . . *N2RM*. Who would have thought 15 would open to Japan one hour before their sunrise? . . . *K2TR*. Thanks to K7NW for providing the entertainment! . . . *N2AA*. Great contest. My first of many! Gotta get a bigger amplifier . . . *N2DTL*. First two QSOs were BY1PK and VS6DO . . . *KG1D*. 4-1000 blew up after the contest . . . *W1BK*. Biggest thrill: looking up where P36P was after working him . . . *KT1O*. Real happy to be answered by ZC4IT on my CQ . . . *KQ2O*. Tremendous condx on 15 and 20. The flux was with us . . . *K3TUP*. Frustrating trying to hear mults while sharing one ant . . . *K3WW*. Shack got hot with 6 single band amps idling . . . *AA1K*. First time I ever had all zones on one band . . . *N4ZC*. Loudest sig on 20M was generated by computer monitor . . . *N4KZR*. First time. Glad the sun was "up" for the test . . . *KD4OM*. Next year we plan a huge sacrifice to the QRM gods . . . *W5JDV*.

My first single-op effort in 20 years; not too shabby for a 69-year-old goat . . . *W7RM*. Wow, HS0A called me during a JA run! . . . *NC7K*. Discovered some VCR RFI this year . . . *KA7EQS*. Worked great DX with just a vertical antenna on the chimney . . . *N7HWB*. Thanks, Gordie . . . *K7SS*. Still a lot of unethical operation re the 75M window . . . *WA7KPH*. Contesting since 1932; this is my first phone entry! . . . *N8BC*. I had a great time in my first contest (age 13) . . . *KA8ZPA*. Still enjoy the CQ WW after 61 years of hamming . . . *W8YGR*. I had to work, I had to sleep, the amplifier blew. I love the WW; don't change it! . . . *K9UWA*. Had to switch between my rig and the TV football game . . . *W9LNQ*.

DX QRM

Operated all bands to give out Zone 21 . . . *UF6FFF*. Nice to meet many old friends in USA . . . *UC2AA*. The pyramid antenna works great on long and short distance . . . *RR2RN*. Evolution of propagation on 28 MHz was same as last contest, but on Saturday opening to USA was more stable and possible to work USA 4 area stations . . . *UA6LQ*. Conditions were unexpected. Thank you for the fine contest . . . *UP2NK*. 73 for contest committee . . . *RP2BU*. Worked on 3.8 for first time ever and enjoyed this contest much more . . . *UB5LCV*. Ten meter dipole sounded like our 5 over 5 at sunspot maximum . . . *UZ9AYA*. Two good surprises: (1.) Nice to see sun come active again, and (2.) the real bomb—VE8DX from Zone 2 on 160! . . . *UR1RWX*. Put big antennas up as 5-el Yagi on 7 MHz, 6 + 6 on 28 and 21, and soon 7 + 7 on 14 MHz. Fantastic propagation on all bands . . . *RL8PYL*.

Nice to hear pile-ups on 10M again . . . *GM3BCL*. Great fun, first ever contest entry, the reward was in taking part . . . *GM3MOR*. Fine conditions, but "Murphy" struck with a 4 hour power out during peak conditions on Sunday . . . *GW4RHW*. I was accused of falling in love with 3.799 MHz . . . *GW4VEQ*. Fell from chair two hours before sunrise on Sunday and slept for 8 hours during the best time. Still broke European record, Hi . . . *LX9BV/DL6RAI*. CQ WW is still the best one; my first CQ WW was back in 1952. I will be there again too next year . . . *OZ7HT*. Nice to work old friends again . . . *PA2TMS*.

We are Novice opr, barefoot power but have 1KW spirits amp . . . *YB0ZDC*. Set up the whole station (including raising the tower) in 5 days . . . *P36P*. Five hrs no power during "prime time" Saturday . . . *VP2MU*. Best conditions ever for sunspot minimum . . . *VE7ZZZ*. Unbelievable condx on 15M, and unbelievable low score on 40M . . . *JA1YWX*. Just

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
8R1X	180/12/25	325/17/44	859/28/81	1071/33/112	1980/33/98	1008/24/63
P40A	239/10/27	237/17/56	790/22/74	735/34/95	1429/34/93	1705/29/64
PJ2FR	199/11/25	195/19/39	335/22/52	1152/35/89	1552/29/79	1478/26/54
FY5YE	14/5/9	133/14/40	344/24/63	1790/31/97	1878/24/93	615/20/53
VK9NS	61/9/10	169/16/23	627/28/62	1149/33/97	1102/25/40	1067/18/36
VE6OU/3	181/6/5	314/14/48	533/28/93	1054/35/102	1083/30/102	148/17/37
V31CV	136/13/22	353/16/39	469/23/50	790/22/71	1400/32/87	871/23/45
TA2BK	115/8/29	213/10/44	294/15/55	865/25/74	1107/27/79	641/17/60
WR6R/KH6	2/1/2	191/13/20	946/28/47	586/26/62	1708/34/51	396/18/32
ZF2FL	120/8/10	273/13/34	612/18/50	1159/33/89	1351/27/76	348/17/24

WORLD TOP MULTI-OPERATOR SINGLE TRANSMITTER

VP2EC	204/13/36	770/25/99	978/29/112	954/37/124	2632/34/128	946/25/54
KP4BZ	112/8/25	324/20/63	1272/30/105	1831/33/115	2839/34/121	621/27/63
CV1D	30/18/28	76/25/51	606/31/85	1506/36/117	1575/33/107	1498/29/90
I5NPH	52/11/49	715/18/76	687/31/107	1320/37/116	2142/36/112	293/31/78
LZ7A	59/10/37	362/20/73	704/33/101	976/37/112	2433/36/109	497/28/77
Y34K	84/11/43	319/14/54	711/29/93	1456/34/94	2312/32/98	112/21/47

WORLD TOP MULTI-OPERATOR MULTI-TRANSMITTER

PJ1B	336/14/33	792/20/67	1241/29/95	3492/37/152	3442/37/113	2914/31/77
JY7Z	81/8/30	722/20/74	1068/28/88	2204/39/131	2435/39/117	1093/29/101
VP2MU	319/16/61	768/22/85	1051/27/94	2922/37/116	2481/29/89	1337/17/27
KH6XX	209/13/15	376/23/44	1252/33/66	2008/35/111	3129/33/79	1052/26/59
UP9A	1053/13/58	888/16/64	1498/35/107	3049/37/122	1849/37/111	327/19/53
N5AU	107/15/41	347/24/81	423/28/90	1442/38/141	2291/35/148	606/29/81

USA TOP SINGLE OPERATOR—ALL BAND

Station	160	80	40	20	15	10
K2TR	33/10/19	56/11/33	91/21/55	835/37/116	1118/31/111	61/15/32
KT3M	30/8/14	100/15/51	76/19/46	1031/36/117	723/27/91	83/19/51
W3BGN	42/12/27	133/15/56	101/19/54	904/36/109	572/27/83	171/20/55
K1ZM	49/12/19	161/18/60	131/24/64	1040/37/113	362/27/92	91/18/42
K5ZD/1	32/10/22	130/16/59	109/21/59	803/35/109	687/30/99	75/17/41
W7EJ	17/11/11	89/19/41	137/25/63	614/34/82	956/32/81	158/18/39
W9RE	32/10/20	91/16/51	109/25/60	654/34/105	295/32/100	108/16/41
K1DG	25/11/15	130/18/59	101/25/65	850/35/108	575/28/93	63/16/36
K1CC	27/8/17	107/17/157	81/22/57	814/35/99	639/29/99	86/17/43
N2FB/3	26/6/15	82/14/45	111/21/59	692/36/103	829/31/98	70/16/32

USA TOP MULTI-OPERATOR SINGLE TRANSMITTER

KX4S	30/11/25	149/20/69	119/22/71	1050/40/128	901/35/129	105/23/76
N2ME	19/8/17	133/18/70	169/26/80	915/40/130	726/30/126	184/24/77
N3RS	19/9/18	91/18/65	149/24/79	895/38/123	1003/36/137	85/21/60
N4WW	33/13/29	124/24/76	134/24/77	576/35/110	1093/34/121	84/25/63
N4ZC	19/8/16	150/16/63	161/26/83	555/40/126	920/34/122	163/25/80
K1AR	17/8/13	122/18/72	127/25/81	1212/37/127	485/32/117	76/19/47

USA TOP MULTI-OPERATOR MULTI-TRANSMITTER

N5AU	107/15/41	347/24/81	423/28/90	1442/38/141	2291/35/148	606/29/81
N2AA	202/16/60	578/22/90	373/27/92	1943/39/146	1617/32/134	318/24/79
W3LPL	134/14/45	387/22/79	224/27/86	1135/36/131	1421/36/131	499/23/80
N6RO	75/11/17	266/23/50	463/27/68	1251/37/119	1739/34/125	589/23/59
NR5M	55/12/27	181/23/63	332/27/78	1032/38/130	1399/33/126	451/26/63
AD8P	126/14/37	267/29/65	209/26/76	1309/39/125	1151/33/123	358/24/72

Say You Saw It In CQ

AMATEUR TELEVISION

NEW 70 CM ATV TRANCEIVER

ALL YOU NEED IN ONE BOX

$299 delivered
TC70-1

- **FULL COLOR, SOUND, & LIVE ACTION** just like broadcast TV. Get on this exciting amateur video mode at our affordable ready to go price.
- **WHAT IS REQUIRED FOR A COMPLETE OPERATING SYSTEM?** The TC70-1s downconverter outputs to any TV on ch 3 for receiving. Connect a good 70 cm antenna and low loss coax. Plug in any composite video source you want to transmit: Camera, VCR, computer, etc. Plug in any low Z dynamic mic or use color camera mic for Standard 4.5 mHz TV sound. Connect to 13.8 vdc for base, mobile, or portable. See chapt. 20 1985 ARRL Handbook. That's it!
- **WHAT CAN YOU DO WITH THE TC70-1 ATV TRANCEIVER?** Show the shack, projects, computer program listings, home video tapes, repeat Space Shuttle audio and video if you have a TVRO, repeat SSTV or RTTY, Weather Radar, do public service events such as parades, marathons, races, CAP searches and rescues...the list goes on. DX depends on antennas and terrain, typically 1 to 40 miles. We have video compensated RF linear amps for 20 ($119) or 50 ($189) watts pep for greater DX.
- **FEATURES:** Small 7x7x2.5". Push to Look (PTL) T/R switching. GaAsfet downconverter tunes whole 420-450 mHz band. Two switch selected video & audio inputs...RCA phone jacks and 10 pin color camera jack. Xmit video monitor output. Over 1 watt pep RF output on one or two (add $15) selected crystal controlled frequencies. 439.25, 434.0, or 426.25 mHz.

CALL OR WRITE FOR OUR CATALOG for more info or who is on in your area. We stock antennas, modules, and everything you need on ATV.

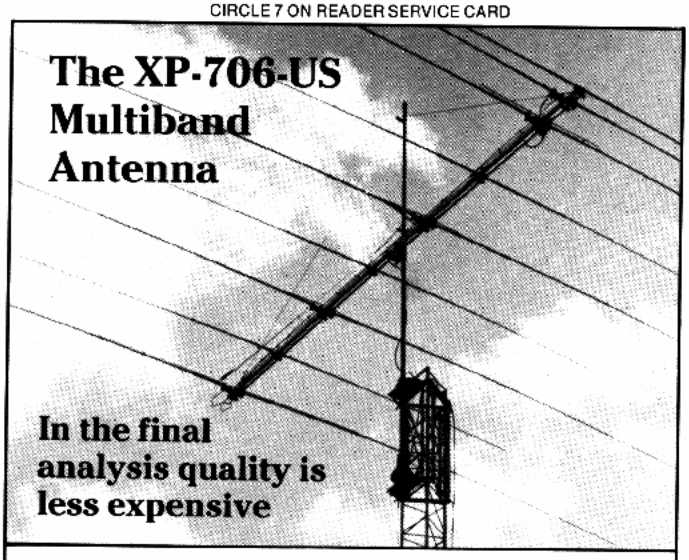
TERMS: Visa, MC, or cash only UPS CODs by phone or mail. Checks must clear bank before shipment. Price includes UPS surface shipping in cont. USA, others add 3%. Transmitting equipment sold only to licensed Tech class or higher amateurs, verifiable in 1985 call book or copy of new license.

(818) 447-4565 m-f 8am-6pm pst.

P.C. ELECTRONICS
Tom W6ORG Maryann WB6YSS

2522 Paxson Lane
Arcadia CA 91006

CIRCLE 7 ON READER SERVICE CARD



The unique design of the XP-706-US antenna system gives you MONOBAND PERFORMANCE in a Multiband beam. The antenna *USES NO TRAPS* or loading coils that rob power and limit bandwidth. Sommer Antennas use the FULL surface area of the elements on ALL bands.

Our commitment to use only the finest materials insures that your investment will last for years. Our system uses a Double rectangular boom, CAST aluminum element mounting brackets, all stainless hardware and a high power balun.

Monoband performance on a *Multiband* beam is yours when you move up to Sommer, the last beam you'll have to buy. We believe Sommer is your best antenna value when compared to the construction and performance of other multi and monoband antenna systems.

H.J. Theiler Corp.
P.O. Box 5369
Spartanburg, SC 29304
(803) 576-5566

SOMMER

CIRCLE 34 ON READER SERVICE CARD

can't continue the string of W/VE on 10 and 15. The voice went off! . . . *WP4G*. This old man fell asleep Sunday morning—only 23 years old! . . . *AH6EK*. Can't believe how well my 5 watts gets into Africa . . . *HK7IMB*. Quality is done with a few watts! . . . *PA2REH*. My third year QRP on 21 MHz, but still trying to work Zones 1 and 40 . . . *ZS6PT*. Very happy first Zone 40! . . . *JR8OGB*. I enjoyed it very much this time in all bands. Next I will be there again! . . . *CT1CLR*. Hope CS8 was a new prefix for everybody . . . *CS8NH(CT4NH)*. My first contest. I will return next year. Now I have to sleep because 48H is so much time. Thanks . . . *CT1BOP*. We, in my location, have many troubles with the TVI. Impossible to work radio during de TV emission . . . *CT1CIR*. Noise—big time! . . . *CT4AT (Don Riebhoff)*. Couldn't take part in 1985 due to studies, final exams, and was much longing for this year's turn—48 hours fun and pleasure . . . *DK8AX*.

Good condx, good score for a simple LW ant! . . . *DJ4AX* (1,058,661). Very good conditions on 15 and 10 meters by this sunspot down . . . *DL3NBL*. Amplifier blew in first half hour of contest, but the bands were great anyway . . . *DA1DX*. Finally worked HSØA 5 minutes before the end of the contest! . . . *DK9IP*. It is a very good contest, for work interesting countries with a little antenna . . . *DK8FD*. Considering my 100 watts and wire antennas, I worked a lot of DX and W's this year . . . *EI4DW*. BY1PK—What a pile-up! . . . *EI1DH*. I hope it will be last year with bad antennas and not too high—next year new QTH . . . *EA6GP*. An incredible good propagation on 10M. The band was open during the whole daytime . . . *EA6VQ*. My first WW DX Contest, VY GUD experience, looking forward next one . . . *EA6WV*. Very nice and difficult . . . *EA5FYJ*. Surprised to have a couple of QSO's with USA on 28 MHz . . . *G3SJX*. Called by ZD9BV off the back of the beam . . . *G3SNN*. If I was S9 to everyone, how come I made so few contacts? Miss some of the old calls like W3AU and W6AM . . . *G3JKY*. This is my first entry for a CQ contest after being licensed for 33 years—so it is about time! . . . *GI3KDR*.

I did not intend to go single band on 10M but the band opened and kept open . . . *VK6HD*. Able to operate only 24 hours because of a local radio station, BCI, BCI! . . . *OH1RY (Opr. of T2ARY)*. Old Sol has to be a contester!! . . . *VE7EIK*. Wish that wife, kids, house, work, etc., would leave me alone on this weekend . . . *VE7AVU*. Had great fun working JA pile-ups on 15M . . . *VE7HMS*. Worked 16 new countries at bottom of sunspot cycle . . . *VE6AXB*. Nice to be called by HS, XU, and BY . . . *VE3CDX*. Wasn't 10 meters a pleasant surprise? . . . *VE2AEJ/3*. I thanked UA1CK for his UA1CK/JT1 QSL rcvd many years ago and he was delighted to hear this . . . *VE3XN*. Thought 10 would be slow and let me do some work around the house . . . *VE3OXT*. Participated in many of the contests from my previous QTH as ZS6BNZ . . . *VE3NTW*.

First JA phone contact . . . *VE3OMU*. 10M stayed open until about 3AM local . . . *VQ9GB*. Propagation on 10 was unreal . . . *ZS6P*. Enjoyed working phone bands for the first time . . . *VU2UR*. You've never heard JA's till you've heard them from this side . . . *K5IID (Opr. of BY1QH)*. My 3rd contest, 1st on SSB—age 17 yrs . . . *VO2AC*. Amazing, VU and YC breaking through EU pileup on 15M . . . *VO1SA*. If this is the bottom of the cycle, may God let me see the top of the next one . . . *VE1BNN*. Back on the air after 3 year absence . . . *VE1TG*. By taking part in 1986 CQ WW, celebrated being TA2BK for 25 years . . . *TA2BK/DJØUJ*. 10 meters open hour after hour copying down to SØ . . . *VK9NS*.

Wish some of those northern hemisphere stations would spend more on their receivers and less on their linears . . . *ZL1BOQ*. My first serious commitment . . . *YCØEJG*. No power outage, no lightning storms, but no big JA runs . . . *YBØARA*. Perhaps next contest will be putting out a new prefix for AP2 . . . *AP2ZA*. I do hope I have helped OM's in giving my reports from Zone 20 . . . *OD5RF*. Good conditions and the *CQ* WW Phone seem to be synonymous. How do you guys do it? . . . *VE6OU/3*. Very hard to stay 48 hours operating this first time . . . *EA9AM*. Great conditions on long path . . . *NY6M/KH2*. Very easy to tell the stations using Yagis on 75 . . . *KG6DX*.

My first contest in 20 years. Great challenge! . . . *AL7IJ*. Only was on for 30 hours because of infection in my feet. Next time I'll keep my boots on! . . . *V31CV*. Just 10 months as a ham, and such an exciting experience . . . *TI2MEN!* Finished with a lot of things broken (computer, linear, rotor) but a very good experience . . . *WP4U*. Fun taking part for 1st time; maybe I'll get a 160M antenna for next year . . . *J87CD*. Bad propagation to Europe and local QRM . . . *ZY5IW*. Very interesting experience 4 single op. on 4 bands at the same QTH . . . *PY5EG (Multi-Multi next year? . . . ed.)* Tongue accident. More than 11 hours out of test. Vy good propagation all the time . . . *LU4MEE*. No conditions with Australia and New Zealand, very few QSOs with Europe . . . *HC5EA*. Mosquito bite rate: 1 per QSO . . . *N3JT/HKØ*. Why do we contest? For mike for America . . . *4M4A*. Great propagation on 15 meters. All continents at the same time . . . *UT4UXW*.

Computers are great for logging until the bus gets jammed with RF and dumps all 1272 contacts . . . *HL9OS*. We need a directional antenna . . . *HP8BPM*. Best score yet. Hope to improve CW score and work 160 meters . . . *HS0A*. If this weekend was low sunspot activity, we can't imagine high sunspot future . . . *KP4BZ*. Unbelievable and unexpected conditions—a fascinating contest once again! . . . *VE3BVD*. Midnight mission—stringing the 160 meter antenna around the neighbor's house . . . *VE5GF*. The station was equipped with a new antenna system one week prior to the contest . . . *VE6CIZ*. Contesting is a great way to find new RFI problems—5 new cases the first day! . . . *WL7K*. Rain, thunder, and lightning came just in time to join the EU pile-up . . . *YE0X*.

Fantastic condx on 15 and 10. Thanks for the good contest . . . *LZ7A*. Glad to find 15 meters so nicely open for the supposed bottom of the sunspot cycle . . . *F6BEE*. You can always tell when the band will be good—listen for N2AA and in one hour you can run USA . . . *YZ9E*. KX6OI called us on 20 and 15. Thank you! . . . *I2UIY*. Nice to be back multi-single . . . *EI1AA*. The guest in the next room disturbed Manos at 2 in the morning informing him that he was disturbing the entire hotel . . . *J49A*. Our highest score in the *CQ* WW test so far. Glad to give out the multiplier . . . *4U1VIC*. We had to put in a lot of effort, but it was well worthwhile. All the club members pulled their weight . . . *GM0BRS*. The old gang says thanks for a wonderful test! It keeps us young, especially in October . . . *SM5AZU (age 78), SM0ATN (age 75), SM5BGM*.

Station Operators
Multi-Operator Single Transmitter

AA1K & AD3V, W3NX, N8NA. **AG6D** & N1EE, W7XA. **AI6V/KH6** & K6GSS, N6HR. **AL7FQ** & AL7IF, KL7XO. **BY4AA:** Xuru, Xie Lhiua, Chen Rong, Kautz, Yan Wenjie. **BY4SZ:** Wu Zhi Yuan, Zhao Ju Ren, Wue Qiang. **C21NI:** C21KH, C21RK, JF3MOK, JH9GRM, JN1PDL, N6LYB. **C31LDL:** C31LK, C310N, OH2NP, OH3TQ, OH3TY, OH6FT, OH6CH, OH6LP, OH6XY, OH6RM, C31LFM, Kalle Bert, Jussi Jaakhola. **CE2AA:** CE2BEN, CE2BMU, CE2BXN, CE2ZEO, CE2ENJ, CE2EPB, CE2FTF, CE2GS, CE2LCV, CE2LCP, CE2MH, CE2WO. **CE4TA:** CE4AET, CE4BOO, CE4BXN, CE4EBJ, CE4EBL, CE4EM, CE4ETZ, CE4EUV, CE4FVR, CE4IEX, CE4IFA, CE4KX, CE4MLN. **CE6OS:** CE6AFK, CE6GEY, CE6MBQ. **CR1REP:** CT1AHU, CT1COX, CT1DJE, CT1DRC. **CV1D:** CX1BBL, CX2CL, CX2CS, CX3AN, CX4CC, CX4CR, CX5AO, CX7AL, CX8AC, CX8BZ, CX8CF, CX8CG, CX9CB, Julio. **DF0BV:** DL1MAJ, DJ0ND, DL6MAO, LX1II. **DK1QH** & DL1YAW, DF8XC, DF8AE, DL3YBM, DK4QT. **DL0JK:** DL2ZBP, DF2ZO, DL3ZBA, DL4ZBK, DL2ZBN, DL5ZBG, DL2ZBR, DK1KU, SWL's Achim and Dieter.

DL0JU: DL7ALM, DL7ANR, DL7AKC. **DL0TP:** DJ9JN & Club. **DL0UM:** DK7ZT, DL8DAS, DL5ZBA, DL5ZBP. **DL0WH:** DF6IH, DF7IT, DK8IT, DL5UL. **DL3MAA** & DJ1OU, DL5MAE, DL7MAE, DL7MAT. **DX1A:** DU1AU, DU1TW, DU1AHS, DU1TDY. **DX9HT:** DU9AA, DU6AF/9, DU9CC, DU9KN/9, DU9BZ. **EA1BCF** & EA1EMI. **EA3CCN** & EA3CUQ. EA3DJL, EA3EBN, EA3EZD. **EA5FCM:** Martinez, Engulsh, Moran. **EA8LS** & EA8BW, EA8TH, EA8YV. **ED3DD:** EA3BOW, EA3BOX, EA3CVA, EA3DDU, EA3DGO, EA3EJO. **ED7BB:** EA7EL, EA7CEC, EA7TH, EA7IL, EA7FFA, EA7ALG, EA7CFW, Jose, Angel. **EI1AA:** EI2BB, EI3CP, EI6CW, EI7H. **F6BEE** & F6ARC, F6CTT, F9IE. **F6IFR/p:** F6IFR, F6CWN, F6GWV. **FR/W6QL** & W6KG. **G3NAS** & G3NLY. **GM0BRS:** G3KMR, G3YOG, G0AVU, G0ESQ, GM1JFF, GM4VJV, GM4ZXJ, GM0BPO, GM8BDX, GM8IIO, GM8YIK, G8TFL. **HA2KMR.** Jozsef, Attila, Gobor, Csaba, Robert Zoltan. **HA2KPA:** HA2PI, HA2VD, HA2EOI. **HA3KNA:** HA3OV, HA3OU, HA3NS, HA3NU. **HA5KAG:** HA5AEX, HA5ABC, HA5CE. **HA5KDB:** Club. **HA5KFL:** Gabor, Pal, Laszlo, Zoltan, Gyorgy, Jozsef. **HA5KKC:** HA5LV, HA5MA, HA5OG, HA5WU, HA5MD, HA5MO. **HA6KNX:** HA6OD, HA6NW. **HA8KWG:** Pol, Istvon, Janos, Csaba, Antal. **HA8KZC:** Lajos, Sandor, Gyorgy.

HB0/HB9BHA: DJ2EH, DL8NBH, DL9NAP, DH9NAP, DK7NM, DL5NP, DL4NAC, DL4NN, DL8NBJ, HB9BHA. **HB9AUS** & HB9CIP, HB9SDF, HE9ASD, HE9EEX. **HB9BOU** & HB9ACA, HB9ADD, HB9BQP, HB9CHR, HB9CJG. **HB9CXZ** & HB9AGC, HB9ALM, HB9AIB, I2KMG. **HB9GT:** HB9BTI, HB9CMX, HB9COH, HB9DIC. **HC8DX:** HC1BI, HC1EA, HC1HC, HC1OT. **HG1S:** Gyula, Laszlo, Tibor, Zoltan. Pal, Kanoly. **HG5A:** HA5WE, HA5GF, HA5UA, HA5LN, HA7SU, HA7RY, HA5MK, HA5OM, HA8RG, HA5FM, HA5ML. **HG6N:** HA6ND, HA6NY, HA6ON, HA6NQ, HA6OQ, HA6NF, HA6NN, Toth, Geza. **HG7B:** HA5WA, HA5PP, HA7UO, HA7UG, HA8IE, ex-2EOD, HA7UL, HA0DU, HA5ND, HA5DW. **HG9R:** HA9RX, HA9PP, HA9OA, HA9RU, HA9RP, HA9SU. **HK3MAE** & HK3IXJ, HK3KME. **HL9OS:** HL9BR, HL9DM, HL9HH, HL9OB, HL9YG, C. Amos, Womack. **HP8BPM** & HP8BSZ. **HS0A:** DF2RG, DK8UJ, HS1ANT, HS1AOK, HS1AOO, HS1DS, K2BA, K3TW, N9TG, W4PJG, WL7AME, WB9SCO. **I1MQP** & I2VXJ. IK2BHX, IK2EGL. **I2UIY** & IK2DUU. **I5NPH** & I5MPN, I5SDG, IK5BAF, I8MPO. **IK2ASH** & I2OKW, IK2CFR. **IK6CGO:** IK6ATS, IK6COX, IK6FWJ. **IT9CHU** & IT9NJE, IT9OSF, IT9EQO, IT9ZXX. **J49A:** SV1IW, SV1JG.

JA1YAO: JH5GHM, JH5MXM, JH9AMJ, JN1AWY, JP1DMX, JS1IAQ. **JA1YFG:** JI3BKF, JN1IZK, JO1RUR, JP1OGL. **JA1YYE:** JH5NXK, JL1IVG, JJ1SLW, JO1QGK, JR0BAD. **JA2YDC:** JE2EZO, JF2AIB, JF2TZG, JG2XYV, JI2KAN, JI2RIQ, JK2ALA. **JA2YEF:** JI2QVF, JJ2LYF, JJ2VFE, T. Yamamoto, K. Asada, K. Hirai. **JA3YDS:** JE4MHL, JG3QBJ, JI3GAB, JI3XZA, Kami, Usui. **JA3YQP:** JA3PIA, JA5XPD, JE3KAM, JI3QPN, JJ3EFM, JL3UIX, JL3WLS, JR3BOT. **JA4YPE:** JF4MUY, JI3VQH, Kodama. **JA6YAI:** JA6PPI, JA6MQW, JF6AEC, JF6DEA, JF6EOZ, JF6CIC, JF6KIV, JF6PPQ, JG6CVO, JG6FEJ, JG6OZC, JH5GLL, J. Nilla, T. Higasi, Y. Moriyama, T. Nagasaki. **JA8YBY:** JE6BRO, JE8MXB, JH8GFB, JH8KJW, JH8PNE, JO1DFG. **JA8YCX:** JE8KEU, JH8LND. **JE2YRD:** JA2EZD, JH1DHI, JI2KVW, JK1JQQ, JL1KYF, JL1MWI, JM1APN, JM1HJG, JO1ITD, JR2SQU. **JH6ZHH:** JA6CSY, JA6GDP, JA6HKV, JA6NAA, JE6JLP, JE6JRY, JF6HLQ, JF6JAC, JF6JAE, JF6QJS, JG6FQR. JH6NTL, JI6CQT. JI6KOV. **JH7YJF:** JA7DWU, JA7RHJ, JF7IQA, JH7LRS, JH7VEP, JH7XWT, JR7QKR, JR7XYW. **JR1ZTI:** JA1CAJ, JA1QXY, JA6KBK, JA7MOL, JA9JBZ. JE1TSD. **JR7YCM:** JE7WQR, JH7NPF, JR7WEC.

K1AR & KC1F. **K1RQ** & KB1KE, KB1W, WA1ZAM, WB1EYL. **K1TO** & K1XA. **K1YR** & K1RU. **KG1D** & KA1JNR, KA1VC. **KM1C** & WB8BTH. **KQ1F** & K1XM. **KD2EU** & K1SA, KB1U, KY1K, NG1W, W1OO. **KQ2O** & K2BK. **KU2C** & K2NJ, KB2HZ, KY2O, NB2P, NR2H. **K3TUP** & K3LR, KJ3L, N3BJ, AI8S, KB8IZ. **K3WW** & KQ3F. **K4VX** & AH2U, AC9C, K9BGL, KM9P, NS0Z, WB0IUN. **KJ4KS** & KF4PN, N4MJY. **KP4BZ** & K1RX, NP4CC, NP4Z, WP4K. **KX4S** & KG4W, KB4DI, N4DCY, N4HB, N4MXT, NK4J, W4XR, W4MYA, WB4BVY, WK4Y, WU4G. **K5RVK** & N5EA, W5ASP, WD5L, WA9VLI. **KC5DX** & NN5E, NT5V. **K6XO** & N6AUV. **KA6V** & AA6BB, WA7GCR. **KE6WL** & AC0P, KD6NT, WA6HAN. **KG6AD** & KI6CK. **K7ABV** & K7LGV. **K7LXC** & K7HBN, K7WA, KT7G, W7NG. **KC7MM** & KE7PN, KE8DN. **KC7V** & K7JVR, K7SP, KE7TY, KY7M, N7BG, N7GBM, N7GBN, N7US, NG7K. **KL7HFA** & NL7FU, NL7GE, NL7GP, NL7P, WL7AVK. **KE8FX** & K8AQM, KA8JJF, KA8POW, NI8L. **KD9ST** & KA9SQR, KA9SQJ, KA9SQT. **KD9L** & K9RX, **N9FLH. KS9K** & N9TZ, K9CJK, K9GS, KS9J, N9AW, N9FLZ, NO9F, WB9OJE. **KB0KK** & KA0DDI, WD0FPY. **KF0H** & K2OC. **KR0B** & AF9T, KA0JZV, KD0KF, N0BKL, N0BKY, N0GFA.

LA1K: LA1BEA, LA3JAA, LA7VV, LA5YFA, LA5EFA, LA2RY. **LA2AB:** LA4DCA, LA8SDA, LA9SEA. **LU1HPW:** LU1HDA, LU2HHO, LU2HJA, LU2HNP. **LU1VZ:** LU1VJR, LU1UK, LU1VPK, LU9VAB, W3DXL, W7VCA. **LU2FDR:** LU1FKR, LU1FT, LU2FDR, LU5FHM, LU9FDG. **LU7DEE** & LU1DJU, LU1NCO, LU3EZA, LU7ENP, LU8EWD. **LZ1KEZ:** Iwan, Encho, Planen. **LZ1KGB:** Club. **LZ1KNP:** Ilia, Dimitar. **LZ1KSN:** Iliev, Matev, Ganersky. **LZ1KVZ:** Nick, Victor, LZ1ZF. **LZ7A:** LZ2PO, LZ2HE, LZ2DF, LZ2CC. **NB1H** & K1FWE, WA1WMB. **N2ME** & KB2XZ, WA2HGU. **N3BB** & WN4KKN. **N3EC** & KA3NED. **N3RS** & N3AD, N3RD. **N4SF/VP9** & AA4V. **N4ZC** & KS2D, AA4S, HB9DCQ, K4MQG, KF4HK, N9CC, WA4UNZ, WD4BTF. **N4KZ** & AA4NG, WB8HDD. **N4RJ** & KX4R, N4NX, N4PN, W8ZF. **N4WW** & K0LUZ, KA4VXT, NX4N, WA4SVC. **N6ND** & NI6W, N6YA, N7CW. **N6ADI** & AC6T, N6HK, N6VR. NS6X, WB6TNB. AI7J. **N6CCL** & N6IYI. **N6MB** & W2KVA. **NB6L** & AK6T, K4UVT, K6ZM, KJ6EZ. **N7RO** & KC7GX, W7EKM. WA7ZWG, WB7CLU. **NF7T** & WG5N. **N8CXX** & K8JM, KA8MVV, KD8LM, N8BTU, NE8T. **NB9C** & K9BIL, N9ADN, N9CPW, N9EJL, N9FVV, NF9S, WB9NOV. **N0GH** & K9JS, KA9ULH, KF9T, N9FGO, N9FSJ, WB9YBI. **N0DPS** & KA0POK, WB0YJT. **N0GA** & WA0QMU. **ND0E** & K9MWM, KI0G, KV0K, N0ZV, W0KEA, W0CSA. W0RSG, WB0ITG.

OE5VBL & OE3GEA. **OH6AT:** OH6LF, OH6NGE, OH6QG, OH6YF. **OH7AI:** OH7BY, OH7EU, OH7HK, OH7HM, OH7KR, OH7SQ. **OH9AR:** OH9KK, Club. **OK1ORA:** OK1DHP, OK1AYD, OK1-21662. **OK2KJU:** OK2BCV, OK2-32248. **OK2KNC:** Club. **OK2KNP:** OK2BSA, OK2BRB, OK2BEF. **OK2KPS:** Club. **OK2RAB:** OK2PDK, OK2HBY, OK2PEM. **OK3KAG:** OK3CDX, OK3ZFM, OK3CIR. **OK3KII:** OK3CEI, OK3WM, OK3CDV, OK3CTM, OK3CQW, OK3CSW, OK3CZA, OL9CPG, OK3CWZ. **OK3KLM:** Club. **ON6MH:** ON5AV, ON5IQ, ON4GO, ON7ZV, ON6AH. **OZ1KWC** & OZ1BQA. **PA0KHS** & PA0ERA, PA3ADJ, PA3DOW, PE1LBX. **RZ6AWP:** Club. **SK6AW:** SM6CVE, SM6DED, SM6EHY, SM6HCX, SM6AWA. **SK6RR:** SM6CVT, SM6LRR. **SM5AZU** & SM0ATN, SM5BGM. **SP1PBW:** Club. **SP2KFV:** Club. **SP5PBE:** SP5ANJ, SP5ELA, SP5FKW, SP5GIQ, SP5JTF, SP5LCT. **SP5PKN:** Club. **SP5ZIM:** SP5GKN, SP5IUK, SP5GRU. **SP6PBQ:** SP6ECF, SP6AYP, SP6RLA. **SP9KOU:** SP9OJB, Danek. **SP9PDF:** Club. **SP9PDJ/9:** Club.

UB3QZZ: RB5QCT, RB5QCV, UB5-064-1683. **UB4CWW:** RB5CB, RB5CW, UB5CCN, UB5-080-070. **UB4MWA:** UB5MDA, UB5MDD, UB5MMR. **UB4MYP:** RB5MOO, RB5MUO, UB5MAQ, UB5MRB, UB5MRZ. **UB4MZU:** RB5MST, UB4ME, UB5MPD. **UB4SWM:** Club. **UB4WZA:** UB5WCX, UB5-068-453. **UC1AWU:** Club. **UC1AWZ:** UC2-188-40, UC2-188-42, UC2-188-123. **UC1WWY:** Club. **UL8CWW:** Victor. Victor. **UL8FWT:** UL7FCI, UL7-027-507, UL7-027-535. **UP1BYK:** UP2BJV, UP2BOT, UP2-038-1350, UP2-038-1360, UP2-038-1361. **UQ1GWE:** Club. **UQ1GWT:** UQ2GFB, UQ2GQQ, UQ2-037-379. **UQ1GWW:** UQ2GAG, UQ2GLK, UQ2OC, UQ2OI, UQ2-037-83, UQ2-037-116, UQ2-037-221. **UQ1GXY:** UQ2LL, UQ2-037-374. **UR1RXL:** UR2ED, UR2RLK, UR2-083-1046. **UR1RYY:** UR2RE, UR2RMR, UR2-083-914. **UT4UWE:** UT5UCU, Serge. **UT4UXW:** UB5XCM, UY5JW. **UZ1NWO:** Club. **UZ1OWZ:** Club. **UZ3AXH:** Alex, Slava. **UZ3DXF:** RA3DJA, RA3DLA, UA3-142-242.

UZ3DXW: UA3DDB, UA3DFO, UA3-142-1751, UA3-142-1918, UA3-142-1924. **UZ3QWX:** UA1TCO, UA3OSC, UW0LEL, UA3-121-59. **UZ3WWW:** Club. **UZ4AWB:** Club. **UZ4LWA:** UA4LFC, UA4LFN, UL7-031-157, UA3. **UZ4NWM:** Serge. Andrey, Andrey. **UZ4YWW:** UA4YBN, UA4YDZ, UA4-097-33, UA4-097-403. **UZ6HXK:** UA6-108-1665, UA6-108-1740, UA6-108-1838. **UZ6YWB:** UA6YAJ, UA6YHR, UA6YY. **UZ9CWQ:** Vlad, Rom. **UZ9CWX:** Vladimir, Valery. **UZ9XWH:** UA9XBV, UA9XFY, UA9-090-964, UA9-090-966, UA9-090-967. **UZ9XXM:** Club. **UZ0JWA:** RA0JJ, UA0JAB, UA0JB. **VE1CIT** & VE1BIG, VE1BII, VE1GB, VE1UA. **VE3BVD** & VE3OZB. **VE3HUM:** VE3OOZ, VE3PKN. **VE4ALO** & VE4VV. **VE4UM:** VE4AMC, VE4GV. **VE5GF** & VE5AEO, VE5ELJ, VE5FX, VE5GHC, VE5RC. **VE6CIZ** & VE6CSE. **VP2EC:** K5RX, KC5EA, N5AU, N5HGB.

W1BK & K1TXH, WA1UAR. **W1YK** & AA2S, KM1P, WA1NUS. **W2RR** & KA2VYW, KA2WIK, W2KKZ, WA2AOG, WA2MBM, WB2CJL. **W2UI** & N3KR. **W2VJW** & K2BMI, N2BA. **WB2LVC** & WB2LVE, KC2ZA. **WB2ULI** & N2BOW. **WA3EUL** & WB3EKV. **WA3SPJ** & KS3F. **W4XJ** & AA4VG, K4RJG, KB4FHE, W4UWC, WA4IUM, WA4ZBC. **WA4QQV** & N4AOC, WA4QMQ, WD4MDY. **WB4PRX** & WA4CTA. **WI4R** & KB4KZY, KB4IUB. **W5JDV** & K5AJ, K5FUX, K5JNZ, KA5IPF, KA5PMA, KA5ROJ, KA5TBK, KA5TIL, KD5QN, N5BKM, N5FZR, N5IWA, WB5E, WD5EEH, WD5HDU. **W5WMU** & K5GA, K5LZO, KZ5D, W5XZ, N6TR. **WC5Y** & KD5IA, W4YID, KA5RSR, N5ADS, N5IMD, N5IZY, NU5P, W5VGX, WB5UDX, WD5JDA, K0MSK. **W6JTI** & KB6IFS, WD6AOJ. **W6KCB** & N6LYX, NU6L. **W6TMD** & AB6R, KB6UF, NC6U, NN6U, NW6S. **WC6H** & AA6Z, WC6I, KG6GF, KN6K, W6REC. **W6BIP** & WA6AUE. **WV6N** & W6UQF. **W7ZR** & N7AKQ, N7BSB, W7GJS, Vlad. **WL7K** & KL7R, KL7TG, N6IV. **W8CZN** & N8DCJ, W8JGU, WA8DXG, WA8RCN, WD8BIL. **W0QQ** & KA0DYE, N0GUO. **W0XK** & K0MAT. **WB0HCH** & KD0OZ. **WB0NAA/YN1** & K3ZO.

Y22TF & Y34SF. **Y22YD** & Y24YH. **Y34K:** Y23EK, Y24UK, Y21YK. **Y49ZF:** Y49MF, Y49PF, Y49RF, Y2-11249/F49. **Y54ZL:** Y43EO, Y54TO, Y54NL, Y54QL. **YE0K:** Dil, Dodi, Dudi, Endi, Fadjar, Mar, Ron, Rudy, Sib, Yoni. **YO6KBM:** Maris, Val, Yosddf, Gasnas, Val, YO6AHP. **YT2R:** YU2MM, YU2OH, YU2DQ, YU2MY, YT2AA, YU2JL, YU2AN, YU2HO, YU2OG. **YU3AI** & YU3BM, YU3EO, YU3MM. **YU4BAB:** Mario, Zdravko, Semir, Muki, Jana, Stipo. **3G1B:** CE1ADQ, CE1BEQ, VE2AQS/W6. **4C2C:** XE2ABA, XE2GDD, XE2JFR, XE2PPT, XE2PQ. **4N2M:** YU2WM, YU2RO, Eco, Tonci. **4U1ITU:** F6BLK, F6HRN, F6HLH, F6EXV. **4U1VIC:** K7AWD, NK4N, HS1ANV, DK6NP, DF4RD.

Station Operators
Multi-Operator, Multi-Transmitter

4N1C: YU1CF, YU1EQ, YU1EW, YU1SA, YU1DW, YU1KX, YU10YW, YU1MAT, YU1ZZ, YU3IW, YU6AD. **AD8P** & K3JT, KS8S, KU8E, N9AG, NZ4K, W9FN, WD8IXE. **CO9MI:** CT3BD, CT3BM, CT3CR, CT3DL, CT3DZ. **DF3OG** & DF1FC, DK1HV, DK8OA, DL2NB. **GB6AA:** G3GAF, G4PWA, G4TNB. **HB0AON:** DF1JC, DJ2YE, DK5EZ, DK8EY, DL3EBX, DL8EAQ. **HI6ORCD:** HI3AMF, HI3ARO. **JA1YAC:** JH0SPE, JH0WGN, JO1MBO, JP1NWZ, JQ1CDB, JQ1DPP, JQ1XDO, JR0IRZ. **JA1YWX:** JF2IWL, JH5DXO, JH7PKU, JI1QQI, JI2GUT, JI2UWO, JJ1HJR, JJ2DIM, JM1CAX, JM1MCF, JN3PYQ, JO1BMV, JR4NIV. **JA1YXP:** JH0RRR, JH9CAU, JI2DLF, JN1OTG, JN1SBT, JO1BKL, JO1JOZ, JR0ALC, JR0GUM. JR4HCV. **JA2YEC:** JG2RNB, JI2XDP, JK2IDE, JR2RJI. **JA2YKA:** JE2JCV, JE2SRB. JE2VYM, JF2DQJ, JF2UTL, JG2AGD, JG2BVO, JG2MTC, JG2VTD, JI2JXR, JI2UHH, JI2WYI, JJ2FAU, JJ2NJF, JK2AYR, JK2CZL, JG3OPE, JR7OMD, JA9SSY, JA9XXS. **JA3YBF:** JA9UXW, JE6BXJ, JR4AGT, JJ2ICA, JO1IPS, JF4BME, JH9JFH, JR4IZK, JJ3KGS, JE3MCC, JF3PGA, JN3HDH, JH5BIT, JI3KWZ, JR8DHE, Shimobayasi, Hara, Sakon, Matsuda. **JA3YCT:** JJ3WAM, JJ3WYT, JK3FXN, JK3JTJ, JL3CLB. **JA3YKC:** JG3CPF, JG3HJG, JG3HLV, JG3MRT, JG6VTM, JH4RHF, JI3ERV, JJ3SRU, JK3GRR, JK3HYA, JL3TLC, JR4IMK, JR4PMX, JR5AHO, JR5WLA, JR6WHN. **JA4ZQA:** JA3ERG, JA4CUU, JA4CVJ, JA4FXL, JA4KLO.

JA7YFJ: JE7HMC, JE7JWU, JE7RCC, JE7WQH, JE7XTQ, JF7BJB, JF7SWJ, JG2XUR, JO1HBF, JR7EFI, JR7MPT. **JA7YRR:** JA7FDY, JA7JUD. JA7LBY, JA7MQM, JA7MQQ, JA7OZW, JA7RQE, JA7WSC, JH7MEX, JH7VHZ. **JA9YBA:** JA9LNJ, JA9NFO, JA9PPC, JA9UBX, JA9VBW, JA9VDA, JH9GAT, JH9KIF, JH9VSF, JH0CAZ, JH7UJR, JJ3URK, JA9-10148. **JH1YTX:** JE1BST, JM1JHC, JS1WZZ. **JH8YCT:** JE8BFO, JE8RJK, JH8WAH, JR8GPT, JR8WLI. **JR1ZTT:** JP1MWR, JP1NIR, JI3RKJ, JR4WKV. **JY7Z:** JY3ZH, JY4MB, JY4YJ, N6AA, N6TJ, N6VI, N6ZZ, W6MKB, W6NV. **K1NG** & K1IG, WA1TFF. **K3II** & KY3N, NA3K. **K3ZZ** & KC3EK, N3AOE, N3EKQ, WA3EKI. **KH6XX** & 4X4AI, N5CT, KH6BZF, KH6ND, KH6LW. **LA7Q:** LA1AFA, LA1EE, LA1UI, LA2AD, LA2BH, LA2BFA, LA2TO, LA3WAA, LA5YJ, LA6OT, LA7JO, LA9IY, LA9GV. **LX/DF6QC:** DF1BZ, DF5BM, DF6QC. **N1AU** & KA1NWE, NC1M, W1FJ. **N2AA** & K2GL, K2GM, K2NG, K2SS, K2TT, K2TW, K5NA, KC2X, KR2J, KR2Q, KU2M, KY2P, W2RQ, WA2BFW, WB2MAE, NT2X. **N5AU:** JL1BLW, K4VUD, K5MR, KM5X, KN6M, KR0Y, KY5N, N5CR, N5RZ, N5TR, WA0TKJ, WB5VZL. **N6RO:** N6BV, N6KT, NU6S, K6TMB, NV6Z, WA6VEF, W6XX. **NF2L** & AG2S, K3JLT, WB2YOF. **NR5M** & HK4FER, K2TNO, K5GN, KD5SP, KE5IV, KG5U, KN5H, N5DU, NM5M, NT5D, NZ5I.

ON6NL & ON1ANK, ON1BCS, ON4AEK, ON6EB, ON6JZ, ON6MP, ONL620, ONL4867. **PA0MPM.** PA2NJC. **OZ4HAM:** OZ1BJF, OZ1FYW, OZ1DGP, OZ2JZ, OZ8IE. **P36P:** 4X6TT, 5B4LP, 5B4MF. **PI4DEC:** PA0LEG, PA0TUK, PA3AWW, PA3CJF, PA3CZW, PA3DJL, PA3EFZ. **PJ1B:** K3EST, N3ED, N4RV, N7ZZ, PJ9EE, WA3LRO. **SK2QG:** SM3RLO, SM2ODB. **TI2OY** & TI2OZ. **UB3IWA:** UB5IFZ, RB5ID, UB5IOK, UB5IML, RB5II, RB5IM. **UP9A:** UP2BAW, UP2BCO, UP2BCT, UP2BCV, UP2BCW, UP2BIG, UP2BIL, UP2BOC, UP2BN, UP2PAJ. **VE7ZZZ:** VE6EZ, VE6UX, VE7AV, VE7DLM, VE7DSM. VE7ENS, VE7EOC, VE7EPN, VE7FZ, VE7IG, VE7RK, VE7SK. **VP2MU:** KD2SX, K8GG, K8GL, W7MAP, WD8RIN, VP2MAI, VP2MIX. **VP2MW:** K3OO, K3NZ, K3ZUF, NB3L. **W3GM** & KA3FXX, K3CY, K3GM, K3IPK, K3LZ, K3ND, K3OA, W3GU, WA3IJZ. **W3LPL** & AI3M, F6IIR, K1DQV, K3DI, K3RT, KC8C, KX3Q, N3GB, N8II, W3EKT, WA3VUQ, WB3JRU, WD4AXM, WP4J. **W6XJ:** K6JYO, K6SVL, WB0QPO, WB6OKK, WK6V. **YB0ZDC:** YC0EHN, YC0HRO, YD0IUO, YD0MFP, YD0TBG.

Computers are great for logging until the bus gets jammed with RF and dumps all 1272 contacts . . . *HL9OS*. We need a directional antenna . . . *HP8BPM*. Best score yet. Hope to improve CW score and work 160 meters . . . *HSØA*. If this weekend was low sunspot activity, we can't imagine high sunspot future . . . *KP4BZ*. Unbelievable and unexpected conditions—a fascinating contest once again! . . . *VE3BVD*. Midnight mission—stringing the 160 meter antenna around the neighbor's house . . . *VE5GF*. The station was equipped with a new antenna system one week prior to the contest . . . *VE6CIZ*. Contesting is a great way to find new RFI problems—5 new cases the first day! . . . *WL7K*. Rain, thunder, and lightning came just in time to join the EU pile-up . . . *YEØX*.

Fantastic condx on 15 and 10. Thanks for the good contest . . . *LZ7A*. Glad to find 15 meters so nicely open for the supposed bottom of the sunspot cycle . . . *F6BEE*. You can always tell when the band will be good—listen for N2AA and in one hour you can run USA . . . *YZ9E*. KX6OI called us on 20 and 15. Thank you! . . . *I2UIY*. Nice to be back multi-single . . . *EI1AA*. The guest in the next room disturbed Manos at 2 in the morning informing him that he was disturbing the entire hotel . . . *J49A*. Our highest score in the *CQ* WW test so far. Glad to give out the multiplier . . . *4U1VIC*. We had to put in a lot of effort, but it was well worthwhile. All the club members pulled their weight . . . *GMØBRS*. The old gang says thanks for a wonderful test! It keeps us young, especially in October . . . *SM5AZU (age 78), SMØATN (age 75), SM5BGM*.

Station Operators
Multi-Operator Single Transmitter

AA1K & AD3V, W3NX, N8NA. **AB6D** & N1EE, W7XA. **AI6V/KH6** & K6GSS, N6HR. **AL7FQ** & AL7IF, KL7XO. **BY4AA:** Xuru, Xie Lhiua, Chen Rong, Kautz, Yan Wenjie. **BY4SZ:** Wu Zhi Yuan, Zhao Ju Ren, Wue Qiang. **C21NI:** C21KH, C21RK, JF3MOK, JH9GRM, JN1PDL, N6LYB. **C31LDL:** C31LK, C31ON, DH2NP, OH3TQ, OH3TY, OH6FT, OH6CH, OH6LP, OH6XY, OH6RM, C31LFM, Kalle Bert, Jussi Jaakhola. **CE2AA:** CE2BEN, CE2BMU, CE2BXN, CE2ZEO, CE2ENJ, CE2EPB, CE2FTF, CE2GS, CE2LCV, CE2LCP, CE2MH, CE2WO. **CE4TA:** CE4AET, CE4BQO, CE4BXN, CE4EBJ, CE4EBL, CE4EM, CE4ETZ, CE4EUV, CE4EVR, CE4IEX, CE4IFA, CE4KX, CE4MLN. **CE6OS:** CE6AFK, CE6GEY, CE6MBQ. **CR1REP:** CT1AHU, CT1COX, CT1DJE, CT1DRC. **CV1D:** CX1BBL, CX2CL, CX2CS, CX3AN, CX4CC, CX4CR, CX5AO, CX7AL, CX8AC, CX8BZ, CX8CF, CX8CG, CX9CB, Julio. **DFØBV:** DL1MAJ, DJØND, DL6MAO, LX1II. **DK1QH** & DL1YAW, DF8XC, DF8AE, DL3YBM, DK4QT. **DLØJK:** DL2ZBP, DF2ZO, DL3ZBA, DL4ZBK, DL2ZBN, DL5ZBG, DL2ZBR, DK1KU, SWL's Achim and Dieter.

DLØJU: DL7ALM, DL7ANR, DL7AKC. **DLØTP:** DJ9UN & Club. **DLØUM:** DK7ZT, DL8DAS, DL5ZBA, DL5ZBP. **DLØWH:** DF6IH, DF7IT, DK8IT, DL5UL. **DL3MAA** & DJ1OU, DL5MAE, DL7MAE, DL7MAT. **DX1A:** DU1AU, DU1TW, DU1AHS, DU1TDY. **DX9HT:** DU9AA, DU6AF/9, DU9CC, DU9KN/9, DU9BZ. **EA1BCF** & EA1EMI. **EA3CCN** & EA3CUQ, EA3DJL, EA3EBN, EA3EZD. **EA5FCM:** Martinez, Enguish, Moran. **EA8LS** & EA8BW, EA8TH, EA8YV. **ED3QD:** EA3BOW, EA3BOX, EA3CVA, EA3DDU, EA3DGQ, EA3EJO. **ED7BB:** EA7EL, EA7CEC, EA7TH, EA7IL, EA7FFA, EA7ALG, EA7CFW, Jose, Angel. **EI1AA:** EI2BB, EI3CP, EI6CW, EI7H. **F6BEE** & F6ARC. F6CTT, F9IE. **F6IFR/p:** F6IFR, F6CWN, F6GWV. **FR/W6QL** & W6KG. **G3NAS** & G3NLY. **GMØBRS:** G3KMR, G3YOG, GØAVU, GØESQ, GM1JFF, GM4VJV, GM4ZXJ, GMØBPO, GM8BDX, GM8IIO, GM8YIK, G8TFL. **HA2KMR.** Jozsef, Attila, Gobor, Csaba, Robert Zoltan. **HA2KPA:** HA2PI, HA2VD, HA2EOI. **HA3KNA:** HA3OV, HA3OU, HA3NS, HA3NU. **HA5KAG:** HA5AEX, HA5ABC, HA5CE. **HA5KDB:** Club. **HA5KFL:** Gabor, Pal, Laszlo, Zoltan, Gyorgy, Jozsef. **HA5KKC:** HA5LV, HA5MA, HA5OG, HA5WU, HA5MD, HA5MO. **HA6KNX:** HA6OD, HA6NW. **HA8KWG:** Pol, Istvon, Janos, Csaba, Antal. **HA8KZC:** Lajos, Sandor, Gyorgy.

HBØ/HB9BHA: DJ2EH, DL8NBH, DL9NAP, DH9NAP, DK7NM, DL5NP, DL4NAC, DL4NN, DL8NBJ, HB9BHA. **HB9AUS** & HB9CIP, HB9SDF, HE9ASD, HE9EEX. **HB9BOU** & HB9ACA, HB9ADD, HB9BQP, HB9CHR, HB9CJG. **HB9CXZ** & HB9AGC, HB9ALM, HB9AIB, I2KMG. **HB9GT:** HB9BTI, HB9CMX, HB9COH, HB9DIC. **HC8DX:** HC1BI, HC1EA, HC1HC, HC1OT. **HG1S:** Gyula, Laszlo, Tibor, Zoltan, Pal, Kanoly. **HG5A:** HA5WE, HA5GF, HA5UA, HA5LN, HA7SU, HA7RY, HA5MK, HA5DM, HA8RG, HA5FM, HA5ML. **HG6N:** HA6ND, HA6NY, HA6ON, HA6NQ, HA6OQ, HA6NF, HA6NN, Toth, Geza. **HG7B:** HA5WA, HA5PP, HA7UO, HA7UG, HA8IE, ex-2EOD, HA7UL, HAØDU, HA5ND, HA5DW. **HG9R:** HA9RX, HA9PP, HA9OA, HA9RU, HA9RP, HA9SU. **HK3MAE** & HK3IXJ, HK3KME. **HL9OS:** HL9BR, HL9DM, HL9HH, HL9OB, HL9YG, C. Amos, Womack. **HP8BPM** & HP8BSZ. **HSØA:** DF2RG, DK8UJ, HS1ANT, HS1AOK, HS1AOO, HS1DS, K2BA, K3TW, N9TG, W4PJG, WL7AME, WB9SCO. **I1MQP** & I2VXJ, IK2BHX, IK2EGL. **I2UIY** & IK2DUU. **I5NPH** & I5MPN, I5SDG, IK5BAF, I8MPO. **IK2ASH** & I2OKW, IK2CFR. **IK6CGO:** IK6ATS, IK6COX, IK6FWJ. **IT9CHU** & IT9NJE, IT9OSF, IT9EQO, IT9ZXX. **J49A:** SV1IW, SV1JG.

JA1YAO: JH5GHM, JH5MXM, JH9AMJ, JN1AWY, JP1DMX, JS1IAQ. **JA1YFG:** JI3BKF, JN1IZK, JO1RUR, JP1OGL. **JA1YYE:** JH5NXK, JL1IVG, JJ1SLW, JO1QGK, JRØBAD. **JA2YDC:** JE2EZO, JF2AIB, JF2TZG, JG2XYV, JI2KAN, JI2RIQ, JK2ALA. **JA2YEF:** JI2OVF, JJ2LYF, JJ2VFE, T. Yamamoto, K. Asada, K. Hirai. **JA3YDS:** JE4MHL, JG3OBJ, JI3GAB, JI3XZA, Kami, Usui. **JA3YQP:** JA3PIA, JA5XPD, JE3KAM, JI3QPN, JJ3EFM, JL3UIX, JL3WLS, JR3BOT. **JA4YPE:** JF4MUY, JI3VQH, Kodama. **JA6YAI:** JA6PPI, JA6MQW, JF6AEC, JF6DEA, JF6EOZ, JF6CIC, JF6KIV, JF6PPQ, JG6CVO, JG6FEJ, JG6OZC, JH5GLL, J. Nilla, T. Higasi, Y. Morlyama, T. Nagasaki. **JA8YBY:** JE8BRO, JE8MXB, JH8GFB, JH8KJW, JH8PNE, JO1DFG. **JA8YCX:** JE8KEU, JH8LND. **JE2YRD:** JA2EZD, JH1DHI, JI2KVW, JK1JQQ, JL1KYF, JL1MWI, JM1APN, JM1HJG, JO1ITD, JR2SQU. **JH6ZHH:** JA6CSY, JA6GDP, JA6HKV, JA6NAA, JE6JLP, JE6JRY, JF6HLQ, JF6JAC, JF6JAE, JF6OJS, JG6FQR, JH6NTI, JI6COT, JI6KOV. **JH7YJF:** JA7DWU, JA7RHJ, JF7IQA, JH7LRS, JH7VEP, JH7XWT, JR7QKR, JR7XYW. **JR1ZTI:** JA1CAJ, JA1OXY, JA6KBK, JA7MOL, JA9JBZ, JE1TSD. **JR7YCM:** JE7WQR, JH7NPF, JR7WEC.

K1AR & KC1F. **K1RQ** & KB1KE, KB1W, WA1ZAM, WB1EYL. **K1TO** & K1XA. **K1YR** & K1RU. **KQ1D** & KA1JNR, KA1VC. **KM1C** & WB8BTH. **KQ1F** & K1XM. **KD2EU** & K1SA, KB1U, KY1K, NG1W, W1OO. **KQ2D** & K2BK. **KU2C** & K2NJ, KB2HZ, KY2O, NB2P, NR2H. **K3TUP** & K3LR, KJ3L, N3BJ, AI8S, KB8IZ. **K3WW** & KQ3F. **K4VX** & AH2U, AC9C, K9BGL, KM9P, NSØZ, WBØIUN. **KJ4KS** & KF4PN, N4MJY. **KP4BZ** & K1RX, NP4CC, NP4Z, WP4K. **KX4S** & KG4W, KB4DI, N4DCY, N4HB, N4MXT, NK4J, W4XR, W4MYA, WB4BVY, WK4Y, WU4G. **K5RVK** & N5EA, W5ASP, WD5L, WA9VLI. **KC5DX** & NN5E, NT5V. **K6XO** & N6AUV. **KA6V** & AA6BB, WA7GCR. **KE6WL** & AC6P, KD6NT, WA6HAN. **KG6AO** & KI6CK. **K7ABV** & K7LGV. **K7LXC** & K7HBN, K7WA, KT7G, W7NG. **KC7MM** & KE7PN, KE8DN. **KC7V** & K7JVR, K7SP, KE7TY, KY7M, N7BG, N7GBM, N7GBN, N7US, NG7K. **KL7HFA** & NL7FU, NL7GE, NL7GP, NL7P, WL7AVK. **KE8FX** & K8AQM, KA8JJF, KA8POW, NI8L. **KD9ST** & KA9SQR, KA9SQJ, KA9SOT. **KQ9L** & K9RX, N9FLH. **KS9K** & N9TZ, K9CJK, K9GS, KS9J, N9AW, N9FLZ, NO9F, WB9OJE. **KBØKK** & KAØDQI, WDØFPY. **KFØH** & K2ØC. **KRØB** & AF9T, KAØJZV, KDØKF, NØBKL, NØBKY, NØGFA.

LA1K: LA1BEA, LA3JAA, LA7VV, LA5YFA, LA5EFA, LA2RY. **LA2AB:** LA4DCA, LA8SDA, LA9SEA. **LU1HPW:** LU1HDA, LU2HHO, LU2HJA, LU2HNP. **LU1VZ:** LU1VJR, LU1UK, LU1VPK, LU9VAB, W3DXL, W7VCA. **LU2FDR:** LU1FKR, LU1FT, LU2FDR, LU5FHM, LU9FDG. **LU7DEE** & LU1DJU, LU1NCO, LU3EZA, LU7ENP, LU8EWD. **LZ1KEZ:** Iwan, Encho, Planen. **LZ1KGB:** Club. **LZ1KNP:** Ilia, Dimitar. **LZ1KSN:** Iliev, Matev, Ganersky. **LZ1KVZ:** Nick, Victor, LZ1ZF. **LZ7A:** LZ2PO, LZ2HE, LZ2DF, LZ2CC. **NB1H** & K1FWE, WA1WMB. **N2ME** & KB2XZ, WA2HGU. **N3BB** & WN4KKN. **N3EC** & KA3NED. **N3RS** & N3AD, N3RD. **N4SF/VP9** & AA4V. **N4ZC** & KS2D, AA4S, HB9DCQ, K4MQG, KF4HK, N9CC, WA4UNZ, WD4BTF. **N4KZ** & AA4NG, WB8HDD. **N4RJ** & KX4R, N4NX, N4PN, W8ZF. **N4WW** & KØLUZ, KA4VXT, NX4N, WA4SVO. **N6ND** & NIEW, N6YA, N7CW. **N6ADI** & AC6T, N6HK, N6VR, NS6X, WB6TNB, AI7J. **N6CCL** & N6IYI. **N6MB** & W2KVA. **NB6L** & AK6T, K4UVT, K6ZM, KJ6EZ. **N7RO** & KC7GX, W7EKM, WA7ZWG, WB7CLU. **NF7T** & WG5N. **N8CXX** & K8JM, KA8MVV, KD8LM, N8BTU, NE8T. **NB9C** & K9BIL, N9ADN, N9CPW, N9EJL, N9FVV, NF9S, WB9NOV. **NO9H** & K9JS, KA9UIH, KE9T, N9FGO, N9FSJ, WB9YBI. **NØDPS** & KAØPOK, WBØYJT. **NØGA** & WAØQMU. **NDØE** & K9MWM, KIØG, KVØK, NØZV, WØKEA, WØCSA, WØRSG, WBØITG.

OE5VBL & OE3GEA. **OH6AT:** OH6LF, CH6NGE, OH6QG, OH6YF. **OH7AI:** OH7BY, OH7EU, OH7HK, OH7HM, OH7KR, OH7SQ. **OH9AR:** OH9KK, Club. **OK1DRA:** OK1DHP, OK1AYD, OK1-21662. **OK2KJU:** OK2BCV, OK2-32248. **OK2KNC:** Club. **OK2KNP:** OK2BSA, OK2BRB, OK2BEF. **OK2KPS:** Club. **OK2RAB:** OK2PDK, OK2HBY, OK2PEM. **OK3KAG:** OK3CDX, OK3ZFM, OK3CIR. **OK3KII:** OK3CEI, OK3WM, OK3CDV, OK3CTM, OK3CQW, OK3CSW, OK3CZA, CL9CPG, OK3CWZ. **OK3KLM:** Club. **ON6MH:** ON5AV, ON5IQ, ON4GO, ON7ZV, ON6AH. **OZ1KWC** & OZ1BQA. **PAØKHS** & PAØERA, PA3ADJ, PA3DQW, PE1LBX. **RZ6AWP:** Club. **SK6AW:** SM6CVE, SM6DED, SM6EHY, SM6HCX, SM6AWA. **SK6RR:** SM6CVT, SM6LRR. **SM5AZU** & SMØATN, SM5BGM. **SP1PBW:** Club. **SP2KFV:** Club. **SP5PBE:** SP5ANJ, SP5ELA, SP5FKW, SP5GIQ, SP5JTF, SP5LCT. **SP5PKN:** Club. **SP5ZIM:** SP5GKN, SP5IUK, SP5GRU. **SP6PBQ:** SP6ECF, SP6AYP, SP6RLA. **SP9KOU:** SP9OJB, Danek. **SP9PDF:** Club. **SP9PDJ/9:** Club.

UB3QZZ: RB5OCT, RB5OCV, UB5-064-1683. **UB4CWW:** RB5CB, RB5CW, UB5CCN, UB5-080-070. **UB4MWA:** UB5MDA, UB5MDD, UB5MMR. **UB4MYP:** RB5MOO, RB5MUQ, UB5MAQ, UB5MRB, UB5MR7. **UB4MZU:** RB5MST, UB4ME, UB5MPD. **UB4SWM:** Club. **UB4WZA:** UB5WCX, UB5-068-453. **UC1AWU:** Club. **UC1AWZ:** UC2-188-40, UC2-188-42, UC2-188-123. **UC1WWY:** Club. **UL8CWW:** Victor, Victor. **UL8FWT:** UL7FCI, UL7-027-507, UL7-027-535. **UP1BYK:** UP2BJV, UP2BOT, UP2-038-1350, UP2-038-1360, UP2-038-1361. **UQ1GWE:** Club. **UQ1GWT:** UQ2GFB, UQ2GQQ, UQ2-037-379. **UQ1GWW:** UQ2GAG, UQ2GLK, UQ2OC, UQ2OI, UQ2-037-83, UQ2-037-116, UQ2-037-221. **UQ1GXY:** UQ2LL, UQ2-037-374. **UR1RXL:** UR2ED, UR2RLK, UR2-083-1046. **UR1RYY:** UR2RE, UR2RMR, UR2-083-914. **UT4UWE:** UT5UCU, Serge. **UT4UXW:** UB5XCM, UY5JW. **UZ1NWO:** Club. **UZ1OWZ:** Club. **UZ3AXH:** Alex, Slava. **UZ3DXF:** RA3DJA, RA3DLA, UA3-142-242.

UZ3DXW: UA3DDB, UA3DFO, UA3-142-1751, UA3-142-1918, UA3-142-1924. **UZ3QWX:** UA1TCO, UA3QSC, UWØLEL, UA3-121-59. **UZ3WWW:** Club. **UZ4AWB:** Club. **UZ4LWA:** UA4LFC, JA4LFN, UL7-031-15/UA3. **UZ4NWM:** Serge, Andrey, Andrey. **UZ4YWW:** UA4YBN, UA4YDZ, UA4-097-33, UA4-097-403. **UZ6HXK:** UA6-108-1665, UA6-108-1740, UA6-108-1838. **UZ6YWB:** UA6YAJ, UA6YHR, UA6YY. **UZ9CWQ:** Vlad, Rom. **UZ9CWX:** Vladimir, Valery. **UZ9XWH:** UA9XBV, UA9XFY, UA9-090-964, UA9-090-966, UA9-090-967. **UZ9XXM:** Club. **UZØJWA:** RAØJJ, UAØJAB, UAØJB. **VE1CIT** & VE1BIG, VE1BII, VE1GB, VE1UA. **VE3BVD** & VE3OZB. **VE3HUM:** VE3OOZ, VE3PKN. **VE4ALO** & VE4VV. **VE4UM:** VE4AMC, VE4GV. **VE5GF** & VE5AEO, VE5ELJ, VE5FX, VE5GHC, VE5RC. **VE6CIZ** & VE6CSE. **VP2EC:** K5RX, KC5EA, N5AU, N5HGB.

W1BK & K1TXH, WA1UAR. **W1YK** & AA2S, KM1P, WA1NUS. **W2RR** & KA2VYW, KA2WIK, W2KKZ, WA2AOG, WA2MBM, WB2CJL. **W2UI** & N3KR. **W2VJW** & K2BMI, N2BA. **WB2LVC** & WB2LVE, KC2ZA. **WB2ULI** & N2BOW. **WA3EUL** & WB3EKV. **WA3SPJ** & KS3F. **W4XJ** & AA4VG, K4RJG, KB4FHE, W4UWC, WA4IUM, WA4ZBC. **WA4QQV** & N4AOC, WA4QMQ, WD4MDY. **WB4PRX** & WA4CTA. **W4IR** & KB4KZY, KB4IUB. **W5JDV** & K5AJ, K5EUX, K5JNZ, KA5IPF, KA5PMA, KA5ROJ, KA5TBK, KA5TIL, KD5QN, N5BKM, N5FZR, N5IWA, WB5E, WD5EEH, WD5HDU. **W5WMU** & K5GA, K5LZO, KZ5D, W5X7, N6TR. **WC5Y** & KD5IA, W4YID, KA5RSR, N5ADS, N5IMO, N5IZY, NU5P, W5VGX, WB5UDX, WD5JDA, KØMSK. **W6JTI** & KB6IFS, WD6AOJ. **W6KCB** & N6LYX, NU6L. **W6TMD** & AB6R, KB6UF, NC6U, NN6U, NW6S. **WC6H** & AA6Z, WC6I, KG6GF, KN6K, W6REC. **W6BIP** & WA6AUE. **WV6N** & W6UQF. **W7ZR** & N7AKQ, N7BSB, W7GJS, Vlad. **WL7K** & KL7R, KL7TG, N6IV. **WBCZN** & N8DCJ, W8JGU, WA8DXG, WA8RCN, WD8BIL. **WBØQQ** & KAØDYE, NØGUO. **WBXK** & KØMAT. **WBØHCH** & KDØOZ. **WBØNAA/YN1** & K3ZO.

Y22TF & Y34SF. **Y22YD** & Y24YH. **Y34K:** Y23EK, Y24UK, Y21YK. **Y49ZF:** Y49MF, Y49PF, Y49RF, Y2-11249/F49. **Y54ZL:** Y43EO, Y54TO, Y54NL, Y54QL. **YEØK:** Dil, Dodi, Dudi, Endi, Fadjar, Mar, Ron, Rudy, Sib, Yoni. **YO6KBM:** Maris, Val, Yosddi, Gasnas, Val, YO6AHP. **YT2R:** YU2MM, YU2OH, YU2DQ, YU2MY, YT2AA, YU2JL, YU2AN, YU2HO, YU2OG. **YU3AI** & YU3BM, YU3EO, YU3MM. **YU4BAB:** Mario, Zdravko, Semir, Muki, Jana, Stipo. **3G1B:** CE1ADQ, CE1BEQ, VE2AQS/W6. **4C2C:** XE2ABA, XE2GDD, XE2JFR, XE2PPT, XE2PQ. **4N2M:** YU2WM, YU2RO, Eco, Tonci. **4U1ITU:** F6BLK, F6HRN, F6HLH, F6EXV. **4U1VIC:** K7AWD, NK4N, HS1ANV, DK6NP, DF4RD.

Station Operators
Multi-Operator, Multi-Transmitter

4N1C: YU1CF, YU1EQ, YU1EW, YU1SA, YU1DW, YU1KX, YU1OYW, YU1MAT, YU1ZZ, YU3IW, YU6AD. **AD8P** & K3JT, KS8S, KU8E, N9AG, NZ4K, W9FN, WD8IXE. **CQ9MI:** CT3BD, CT3BM, CT3CR, CT3DL, CT3DZ. **DF3OG** & DF1FC, DK1HV, DK8QA, DL2NB. **GB6AA:** G3GAF, G4PWA, G4TNB. **HBØADN:** DF1JC, DJ2YE, DK5EZ, DK8EY, DL3EBX, DL8EAQ. **HI6ØRCD:** HI3AMF, HI3ARQ. **JA1YAC:** JHØSPE, JHØWGN, JO1MBO, JP1NWZ, JQ1CDB, JQ1DFP, JQ1XDO, JRØIRZ. **JA1YWX:** JF2IWL, JH5DXO, JH7PKU, JI1QQI, JI2GUT, JI2UWO, JJ1HJR, JJ2DIM, JM1CAX, JM1MCF, JN3PYQ, JO1BMV, JR4NIV. **JA1YXP:** JHØRRR, JH9CAU, JI2DLF, JN1OTG, JN1SBT, JO1BKL, JO1JOZ, JRØALC, JRØGUM, JR4HCV. **JA2YEC:** JG2RNB, JI2XDP, JK2IDE, JR2RJI. **JA2YKA:** JE2JCV, JE2SRB, JE2VYM, JF2DQJ, JF2UTL, JG2AGD, JG2BVO, JG2MTC, JG2VTD, JI2JXR, JI2UHH, JI2WYI, JJ2FAU, JJ2NJF, JK2AYR, JK2CZL, JG3OPE, JR7OMD, JA9SSY, JA9XXS. **JA3YBF:** JA9UXW, JE6BXJ, JR4AGT, JJ2ICA, JO1IPS, JF4BME, JH9JFH, JR4IZK, JJ3KGS, JE3MCC, JF3PGA, JN3HDH, JH5BIT, JI3KWZ, JR8DHE, Shimobayasi, Hara, Sakon, Matsuda. **JA3YCT:** JJ3WAM, JJ3WYT, JK3FXN, JK3JTJ, JL3CLB. **JA3YKC:** JG3CPF, JG3HJG, JG3HLV, JG3MRT, JG6VTM, JH4RHF, JI3ERV, JJ3SRU, JK3GRR, JK3HYA, JL3TLC, JR4IMK, JR4PMX, JR5AHO, JR5WLA, JR6WHN. **JA4ZQA:** JA3ERG, JA4CUU, JA4CVJ, JA4FXL, JA4KLD.

JA7YFJ: JE7HMC, JE7JWU, JE7RCC, JE7WQH, JE7XTQ, JF7BJB, JF7SWJ, JG2XUR, JO1HBF, JR7EFI, JR7MPT. **JA7YRR:** JA7FDY, JA7JUD, JA7LBY, JA7MQM, JA7MOQ, JA7OZW, JA7ROF, JA7WSC, JH7MEX, JH7VHZ. **JA9YBA:** JA9LNJ, JA9NFO, JA9PPC, JA9UBX, JA9VBW, JA9VDA, JH9GAT, JH9KIF, JH9VSF, JHØCAZ, JH7UJR, JJ3URK, JA9-10148. **JH1YTX:** JE1BST, JM1JHQ, JS1WZZ. **JH8YCT:** JE8BFO, JE8RJK, JH8WAH, JR8GPT, JR8WLI. **JR1ZTT:** JP1MWR, JP1NIR, JI3RKJ, JR4WKV. **JY7Z:** JY3ZH, JY4MB, JY4YJ, N6AA, N6TJ, N6VI, N6ZZ, W6MKB, W6NV. **K1NG** & K1IG, WA1TFF. **K3II** & KY3N, NA3K. **K3ZZ** & KC3EK, N3AOE, N3EKQ, WA3EKL. **KH6XX** & 4X4AI, N5CT, KH6BZF, KH6ND, KH6LW. **LA7Q:** LA1AFA, LA1EE, LA1UI, LA2AD, LA2BH, LA2BFA, LA2TO, LA3WAA, LA5YJ, LA6OT, LA7JO, LA9IY, LA9GV. **LX/DF6QC:** DF1BZ, DF5BM, DF6QC. **N1AU** & KA1NWE, NC1M, W1FJ. **N2AA** & K2GL, K2GM, K2NG, K2SS, K2TT, K2TW, K5NA, KC2X, KR2J, KR2Q, KU2M, KY2P, W2RQ, WA2BFW, WB2MAE, NT2X. **N5AU:** JL1BLW, K4VUD, K5MR, KM5X, KN6M, KRØY, KY5N, N5CR, N5RZ, N5TR, WAØTKJ, WB5VZL. **N6RO:** N6BV, N6KT, NU6S, K6TMB, NV6Z, WA6VEF, W6XX. **NF2L** & AG2S, K3JLT, WB2YOF. **NR5M** & HK4FER, K2TNO, K5GN, KD5SP, KE5IV, KG5U, KN5H, N5DU, NM5M, NT5D, NZ5I.

ON6NL & ON1ANK, ON1BCS, ON4AEK, ON6EB, ON6JZ, ON6MP, ONL620, ONL4867. **PAØMPM**, PA2NJC. **OZ4HAM:** OZ1BJF, OZ1FYW, OZ1DGP, OZ2JZ, OZ8IE. **P36P:** 4X6TT, 5B4LP, 5B4MF. **PI4DEC:** PAØLEG, PAØTUK, PA3AWW, PA3CJF, PA3CZW, PA3DJL, PA3EFZ. **PJ1B:** K3EST, N3ED, N4RV, N7ZZ, PJ9EE, WA3LRO. **SK2QG:** SM3RLO, SM2ODB. **TI2OY** & TI2OZ. **UB3IWA:** UB5IFZ, RB5ID, UB5IOK, UB5IML, RB5II, RB5IM. **UP9A:** UP2BAW, UP2BCO, UP2BCT, UP2BCV, UP2BCW, UP2BIG, UP2BIL, UP2BOC, UP2BN, UP2PAJ. **VE7ZZZ:** VE6EZ, VE6UX, VE7AV, VE7DLM, VE7DSM, VE7ENS, VE7EOC, VE7EPN, VE7FZ, VE7IG, VE7RK, VE7SK. **VP2MU:** KD2SX, K8GG, K8GL, W7MAP, WD8RIN, VP2MAI, VP2MIX. **VP2MW:** K3OO, K3NZ, K3ZUF, NB3L. **W3GM** & KA3FXX, K3CY, K3GM, K3IPK, K3LZ, K3ND, K3OA, W3GU, WA3IJZ. **W3LPL** & AI3M, F6IIR, K1DQV, K3DI, K3RT, KC8C, KX3Q, N3GB, N8II, W3EKT, WA3VUQ, WB3JRU, WD4AXM, WP4J. **W6XJ:** K6JYO, K6SVL, WBØOPO, WB6OKK, WK6V. **YBØZDC:** YCØEHN, YCØHRO, YDØIUO, YDØMFP, YDØTBG.

WORLD TOP 10 QRPp
(5w input)
All Band

1. WP4G	678,056	6. EA3FUM	116,640
2. VE1CBF	550,316	7. YO2AQB	113,826
3. K3WS	291,846	8. AH6EK	88,683
4. 4X6IF	263,313	9. KZ5Q	71,604
5. N1AFC	235,125	10. W6YVK	65,312

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

K1ZM	**A**	**2,747,824**	**1834**	**136**	**390**
K5ZD/1	"	**2,738,148**	**1836**	**129**	**389**
K1DG	"	**2,546,527**	**1744**	**133**	**376**
K1CC	"	2,529,578	1754	132	372
K1EA	"	2,331,924	1715	123	353
AK1A	"	2,136,792	1573	120	354
K1VR	"	1,650,660	1282	115	336
K1IU	"	1,091,872	846	114	344
KY1H	"	1,049,784	1033	104	268
W1WEF	"	909,536	935	99	245
W1GG	"	610,390	710	85	225
K8HVT/1	"	597,600	728	80	220
W1BIH	"	523,962	622	88	225
ND1X	"	429,867	638	75	168
KA1DWX	"	286,599	420	72	177
KA1CI	"	128,454	300	52	158
AI3E/1	"	115,200	225	53	127
KZ1D	"	80,422	198	50	108
KE1E	"	51,858	143	46	88
KD2EN/1	"	44,016	178	34	78
W1DO	"	40,612	100	43	100
KB1WR	"	24,534	98	34	60
W1FV	"	13,680	85	17	43
KB1XD	"	13,419	78	19	44
K2MN/1	"	9,792	58	25	39
K1SA	"	2,970	37	8	19
K1UO	**28**	**75,936**	**290**	**22**	**74**
KQ1V	"	18,126	120	18	39
W1ZM	**21**	**428,904**	**999**	**32**	**116**
					(Opr. K8EJ)
W1QK	"	190,820	590	26	90
K1EFI	"	155,820	401	31	109
KA1GQW	"	109,996	361	24	83
K1VSJ	"	14,421	82	21	48
NB1B	"	10,500	75	18	42
AA2Z/1	"	3,750	51	5	20
K1KJT	**14**	**169,680**	**571**	**26**	**75**
W1LQQ	"	37,224	141	29	65
KA1ONQ	"	14,384	89	16	42
KR1G	**3.7**	**52,548**	**270**	**18**	**69**
K1MEM	"	**45,125**	**177**	**19**	**76**
AB1A	**1.8**	**8,320**	**65**	**15**	**37**
N1ACH	"	**5,200**	**52**	**13**	**27**
K2TR	**A**	**3,109,503**	**2195**	**125**	**366**
N2LT	"	**2,283,630**	**1698**	**122**	**345**
N2RM	"	**2,105,780**	**1760**	**109**	**313**
N2MM	"	2,073,220	1558	115	345
W2GD	"	963,700	848	112	307
K2VV	"	906,362	1277	67	176
KY2J	"	814,908	839	99	255
W1GD/2	"	778,224	762	98	274
K2FL	"	482,562	570	86	220
KS9Z/2	"	464,202	501	94	239
K2LS	"	429,520	529	77	203
K2JLA	"	397,854	517	74	205
NA2G	"	367,745	515	65	180
KB2WN	"	256,278	374	74	168
N2VW	"	207,137	334	72	161
W2NS	"	192,146	352	51	140
KD2TT	"	168,912	317	54	130
ND2P	"	141,504	287	51	125
NA2Q	"	139,986	265	61	141
W2PHW	"	139,008	281	58	123
W2KHQ	"	100,532	226	50	114
N2AIF	"	98,735	228	46	109
KK2R	"	79,285	190	57	100
W2DW	"	58,520	169	40	93
N2MR	"	45,234	137	53	73
W2PHT	"	42,660	137	30	78
KA2OOG	"	41,409	119	48	81
W2SDO	"	39,128	111	49	85
W2JGR	"	39,058	122	39	79
W2FUI	"	36,119	119	38	67
KI2D	"	29,526	111	39	72
N2GDW	"	21,850	97	35	60
KS2M	"	16,926	80	32	46
KV2Y	"	12,390	62	24	46
W2GKZ	"	5,814	44	36	51
N2KA	"	3,560	32	16	24
K2OLG	**28**	**21,886**	**130**	**18**	**44**
W2KZE	"	5,310	52	16	29
KE2N	"	4,089	54	10	19
WA2QNW	**21**	**334,560**	**827**	**29**	**107**
KC2KU	"	147,436	452	28	96
K2MFY	"	94,864	301	25	87
W2IQL	"	24,563	115	19	58
W2TE	"	24,153	97	33	64
K2KTT	"	15,544	90	17	50
K2EK	**14**	**781,052**	**1547**	**38**	**134**
K2HFX	"	524,560	1077	40	126
K2WK	"	374,327	905	35	104
K2QF	"	182,372	497	31	96
K2IBW	"	166,223	508	32	81
KB2NU	"	118,701	339	32	89
KA2CHX	"	96,432	297	21	91
N2DTL	"	57,205	233	25	60
N2DTW	"	51,379	210	21	66
N2GOI	"	21,666	107	19	50
KA2YMZ	"	5,060	56	15	29
NJ2L	"	4,290	42	14	25
AC2P	"	4,180	40	8	27
W2HZ	**7**	**17,404**	**84**	**19**	**57**
NO2I	**3.7**	**37,022**	**218**	**17**	**59**
W2FCR	**1.8**	**7,425**	**71**	**13**	**32**
NA2M	"	3,080	62	11	17
KT3M	**A**	**2,884,466**	**2043**	**124**	**370**
W3BGN	"	**2,844,072**	**1923**	**129**	**384**
N2FB/3	"	**2,496,620**	**1810**	**124**	**352**
KM3T	"	1,880,529	1540	116	331
K3NA	"	1,754,740	1458	116	326
W3XU	"	1,729,890	1561	97	290
W3MR	"	638,483	736	87	224
W3UM	"	547,200	730	76	209
WB3CIW	"	348,740	479	77	188
N3RW	"	311,150	443	75	179
AD3Z	"	296,907	330	87	244
N3HW	"	293,898	488	64	155
W3ARK	"	237,200	433	50	150
W3DHM	"	235,440	382	63	155
K3FNW	"	222,222	352	71	160
K3WJV	"	219,163	338	71	168
W3OV	"	204,345	325	76	163
W3EVW	"	203,634	311	78	165
K4JLD/3	"	192,720	338	75	144
W3KV	"	182,483	340	61	138
KD8WX/3	"	114,400	245	58	118
K3IPK	"	85,540	237	38	92
W3YFV	"	78,732	187	50	112
WA3YOB	"	53,708	160	30	84
W3HVM	"	46,625	141	42	83
W3EAN	"	29,596	117	27	71
AD8J/3	"	20,574	90	33	48
N3RC	"	9,782	55	25	42
WA3VPL	"	3,266	30	26	20
KC3ZG	"	3,120	33	19	21
WA3JYA	"	1,914	26	14	19
KN3T	"	28	7	7	7
W3KHQ	**28**	**44,184**	**197**	**22**	**62**
WA3CGE	"	23,760	134	18	48
N3BNA	"	23,115	148	21	48
N3CZB	"	360	13	8	7
K3VW	**21**	**290,178**	**684**	**30**	**117**
N3II	"	190,704	512	30	107
K3NS	"	7,980	54	18	39
W3FGS	**14**	**46,563**	**201**	**22**	**61**
K3ZPG	"	20,090	103	16	54
KA3PZH	"	12,712	79	14	41
N3ARK	"	2,480	30	13	18
N5EYT/3	"	1,600	35	7	13
KQ3V	**3.7**	**21,696**	**153**	**14**	**50**
WX4G	**A**	**2,376,192**	**1647**	**132**	**380**
K4ISV	"	**2,318,853**	**1686**	**140**	**359**
N6AR/4	"	**1,665,830**	**1257**	**127**	**351**
WZ4F	"	1,431,808	1204	125	323
KE9A/4	"	1,334,838	1234	101	278
K4LTA	"	790,656	766	106	278
W3HHG/4	"	759,470	787	97	249
W3VT/4	"	698,629	678	102	271
WB4MAI	"	526,820	517	110	261
WA4VDE	"	468,272	583	90	206
K4BAI	"	431,186	575	71	195
W3YY/4	"	417,196	544	84	200
KU4V	"	411,433	461	96	235
K3KG/4	"	404,320	553	77	189
WI4K	"	360,912	492	99	210
N4TG	"	340,856	467	83	191
AA4LE	"	335,160	380	87	193
AA4VB	"	326,692	416	84	184
WD4KXB	"	290,705	402	81	184
N4BS	"	288,320	403	79	186
K4EZ	"	276,354	438	61	173
N4AXT	"	266,409	324	98	201
W4WKQ	"	260,960	430	76	157
N4UH	"	235,488	371	80	184
KN5X/4	"	228,480	388	72	168
W1UA/4	"	208,445	334	75	160
AB4H	"	207,090	325	72	162
K4PR	"	201,592	365	71	155
KD4RH	"	187,066	308	75	167
KA4C	"	177,662	305	59	152
W4UNP	"	158,974	299	59	143
W4UYC	"	141,120	304	45	123
KC4BX	"	138,866	288	52	130
WA4IUM	"	118,340	246	65	129
AA4MN	"	114,165	255	71	144
W8ZF/4	"	113,620	211	74	116
KZ2E/4	"	106,352	215	56	128
W6OKX/4	"	104,030	206	67	135
K4GKV	"	100,724	222	51	118
K4DLI	"	91,665	216	70	119
WK4F	"	87,532	201	47	111
W4BTZ	"	86,688	209	51	117
W4WMC	"	80,400	218	43	91
KE4VU	"	79,344	154	61	113
KF4CI	"	71,029	200	41	98
W4WXZ	"	70,200	212	36	84
N4ONI	"	64,224	180	50	94
AA4MJ	"	56,712	151	44	92
KB4I	"	53,376	157	42	86
K4OD	"	50,112	152	37	79
N4BSN	"	48,514	138	47	80
KB4RME	"	46,920	154	32	83
KJ4TE	"	45,279	149	38	79
N4BYO	"	44,577	149	42	75
WB4OSN	"	43,665	131	43	80
W4KMS	"	43,648	144	54	74
W4BFR	"	36,166	123	34	73
NN4K	"	31,979	115	43	70
WA4VCC	"	29,744	119	28	76
K4YFH	"	29,430	127	29	61
K4FPF	"	24,273	98	27	60
KO4J	"	22,936	94	29	65
KB4EUZ	"	22,413	90	32	61
KJ4TI	"	19,885	85	37	60
K4XO	"	19,244	100	22	46
W5DZF/4	"	18,450	75	34	56
W9LI/4	"	17,679	97	21	50
KJ4WH	"	15,980	79	33	52
W4UW	"	14,507	67	35	54
N4KVF	"	13,629	139	21	38
WG4P	"	10,248	64	23	38
K4RD	"	6,678	44	17	36
K4HGG	"	3,330	28	15	30
N4EUK	"	2,450	31	16	19
K4JRB	**28**	**179,530**	**522**	**30**	**100**
WC4E	"	99,081	350	25	76
N4MM	"	47,040	204	21	63
K4MF	"	34,496	161	24	53
KB4RDH	"	4,446	57	12	26
K3RV/4	**21**	**925,031**	**1821**	**35**	**138**
W4NL	"	415,740	945	33	123
N4VZ	"	354,732	749	31	133
N6BFM/4	"	324,819	747	34	119
K4UTE	"	274,240	624	36	124
KC4HN	"	92,196	285	25	92
N4ZG	"	47,000	183	24	70
W4WJJ	"	36,528	165	23	63
KC4GR	"	26,133	107	24	69
WD4FIP	"	18,815	97	22	49
KK8X/4	"	18,009	98	18	51
K4DGJ	"	7,268	57	16	30
K3ZJ/4	**14**	**539,770**	**1197**	**38**	**118**
N4MO	"	344,862	801	35	118
KV4P	"	298,851	909	31	102
KI4SV	"	72,318	273	25	77
N4DKW	"	16,038	81	19	47
W4JAT	"	8,946	73	9	33
HK3EZB /W4	"	5,538	152	10	29
K4MZW	**7**	**19,776**	**113**	**20**	**44**
W4PZV	**3.7**	**14,625**	**96**	**15**	**50**
W4DR	**1.8**	**11,648**	**89**	**15**	**41**
AA4MM	"	3,852	49	10	26
K4TEA	"	1,890	32	9	18
KA2CDJ/4	"	1,232	29	7	15
WS4Q/5	**A**	**1,573,830**	**1360**	**119**	**316**
KA5W	"	**1,227,919**	**1079**	**112**	**295**
WB5BIR	"	731,082	760	107	256
NI5M	"	626,606	660	98	248
K5FJV	"	433,849	533	84	215
W5AC	"	369,032	475	88	195
WM5K	"	302,877	495	62	157
KJ5W	"	272,814	426	77	169
N5JB	"	246,862	392	72	157
N5EPA	"	219,480	341	84	152
W5LMG	"	219,462	344	79	158
N5AW	"	209,911	332	73	168
N5RM	"	169,533	301	71	136
W5AE	"	165,945	301	53	142
W5KCR	"	126,198	263	50	121
KS5M	"	122,816	229	65	137
N5ACP	"	107,500	228	59	113
WA5IYX	"	86,460	309	39	71
W5OB	"	80,784	194	49	104
W5GVP	"	43,923	140	43	78
KE5LQ	"	40,500	127	52	83
KV5E	"	35,404	122	33	73
W5EIJ	"	30,564	114	39	69
N5GGO	"	30,498	114	40	62
K5LP	"	29,760	112	32	61
N5GPP	"	27,636	104	37	61
WB5SSD	"	26,796	118	29	55
K5KR	"	24,240	122	33	68
N5UA	"	7,497	51	18	33
WB5TDD	"	3,666	38	15	24
KE5FI	**28**	**147,870**	**566**	**27**	**66**
K5MK	"	18,252	120	18	36
K5BDX	"	4,080	44	14	20
K9MK/5	**21**	**64,260**	**218**	**29**	**75**
WE5P	"	20,306	112	20	51
WK5I	"	18,450	93	22	53
W5BOS	"	5,170	41	17	30
N5IQD	"	3,640	37	11	17
K5TSQ	**14**	**264,099**	**612**	**35**	**116**
KI3L/5	"	162,450	539	31	83
WF5E	"	133,515	383	34	95
K7CW/5	3.7	4760	53	11	29
K5UR	**1.8**	**19,044**	**147**	**19**	**50**
W5EHY	"	448	15	7	7
K6NA	**A**	**2,253,951**	**1798**	**134**	**307**
W6MKB	"	**1,221,380**	**1222**	**117**	**229**
W7CB/6	"	559,980	827	85	159
W6FSJ	"	455,148	608	90	179
K6EID	"	406,751	575	87	166
N6AW	"	327,472	540	71	140
WU6I	"	300,645	420	88	167
W8AKS/6	"	258,856	389	84	163
KB6GV	"	257,625	424	80	145
WA6TKT	"	215,202	422	67	119
WE6G	"	197,575	408	66	109
K6SIK	"	184,884	316	72	141
NE6I	"	179,400	287	81	149
N6IC	"	172,376	332	69	123
K6HIH	"	167,055	333	77	108
N6OU	"	132,540	272	70	118
W6ABW	"	125,598	268	69	104
W6FCF	"	122,892	297	59	88
N6EK	"	111,450	282	59	91
K6DR	"	110,850	270	63	87
K2ITG/6	"	94,094	237	47	96
WR6O	"	64,106	185	49	84
WB6CEC	"	48,768	182	50	77
N6GG	"	48,465	127	47	88
N6LL	"	46,168	150	46	70
N6JM	"	39,690	134	39	59
K6JG	"	34,840	95	47	83
K6UO	"	34,580	141	33	58
W6BYH	"	32,960	117	42	61
K6CSL	"	27,324	116	44	48
NK6A	"	19,672	84	29	53
N6OM	"	18,414	73	18	44
W6OES	"	16,448	95	26	38
N6NF	"	14,620	78	25	43
KJ6Z	"	12,540	73	29	37
AA6EE	"	11,932	67	35	41
WI6Y	"	9,858	74	29	33
WA6LOD	"	6,954	42	25	36
WA6EBD	"	3,492	40	16	20
WA6FGV	**28**	**19,152**	**130**	**17**	**40**
WB6JMS	"	14,208	111	16	32
KM6K	"	11,577	85	17	34
AJ6V	"	1,650	28	10	12
K6KM	"	690	16	7	8
WB9LDD /6	**21**	**127,761**	**395**	**30**	**81**
KK1A/6	"	124,200	541	28	62
W6BSY	"	117,342	417	29	77
K9RN/6	"	37,716	177	26	58
AI6Z	"	31,176	157	22	50
K4KIU/6	"	30,515	125	24	61
W6QHS	**14**	**510,510**	**1088**	**39**	**126**
W6PU	"	193,732	558	33	86
KI6CG	"	164,263	531	28	81
K6KLY	"	160,312	525	32	84
W6HXW	"	102,600	336	30	78
W5CWQ/6	"	65,835	216	28	77
W6FRZ	"	64,020	225	26	71
W6OK	"	62,000	268	23	57
NM6L	"	26,452	141	20	48
K6LRN	"	3,422	40	14	15
KM6B	**7**	**136,800**	**477**	**29**	**71**
W6RJ	**3.7**	**103,425**	**404**	**28**	**77**
W7EJ	**A**	**2,602,392**	**1971**	**139**	**317**
AI7B	"	**2,029,494**	**1784**	**123**	**271**
NN7L	"	**1,226,163**	**1310**	**113**	**226**
W7RM	"	**1,222,385**	**1229**	**118**	**247**
NC7K	"	506,012	708	91	172
W7KJJ	"	383,544	552	88	164
NW7Q	"	344,946	509	90	168
K7IDX	"	310,866	553	72	146
W7ISQ	"	259,128	508	73	110
W7KKR	"	201,334	372	65	132
KS7T	"	199,056	426	64	112
N7CTY	"	167,994	335	69	114
WA7HHX	"	158,112	348	59	103
W7ZI	"	105,792	202	73	119
W7GUR	"	100,595	235	55	100
W7QN	"	70,740	191	46	89
KA7RMV	"	67,210	193	43	87
W7LR	"	52,402	169	49	84
KL7BB/7	"	49,840	352	33	37
KA7EQS	"	48,840	132	48	84
WB0WNH /7	"	38,380	166	40	55
W7IIT	"	32,625	130	35	52
NB7N	"	26,481	105	30	61
N7HJM	"	20,805	101	29	44
W7QK	"	17,072	73	32	56
W7CMO	"	15,594	79	23	46
W7TVL	"	15,314	88	26	36
K7RIE	"	14,076	77	25	43
N7ENE	"	13,986	86	28	35
N7HWB	"	13,680	109	17	28
N7GLT	"	9,845	73	25	30
WA7BAY	"	9,834	56	25	41
W7AWA	"	6,000	51	26	24
K7RS	"	3,136	36	15	17
KD7EJ	"	2,880	27	20	20
WA7EKK	"	1,728	25	11	13
K7QQ	**28**	**103,716**	**591**	**20**	**47**
KE7C	"	94,032	475	19	53
					(Opr. WB7OJV)
WB7FDQ	"	72,625	325	22	61
WA7KLK	"	19,941	150	18	33
W7AYY	"	8,370	69	15	30
K7GEX	**21**	**188,846**	**686**	**28**	**56**
W7KSA	"	66,744	222	28	75
KX7J	"	58,976	216	27	70
W7LVI	"	55,335	214	29	64
W7KEU	"	34,160	160	26	54
KC7UP	"	18,954	128	18	36
KA7FEF	"	10,701	95	18	23
KE7V	**14**	**604,640**	**1345**	**37**	**123**
N7TT	"	547,500	1332	36	114
WA7GVM	"	243,846	623	35	103
W7FP	"	225,806	645	33	94
NI7T	"	129,924	473	29	79
W7KI	"	14,550	84	23	42
KD7XO	"	12,495	88	12	39
KN7K	"	2,929	34	9	20
W7VIH	"	1,148	29	7	7
K7SS	**3.7**	**217,038**	**828**	**31**	**91**
WA7KPH	"	12,155	94	18	37
K9JF/7	"	9,222	73	20	33
W6WBY/7	1.8	1,755	31	11	16
W8IMZ	**A**	**965,340**	**942**	**104**	**258**
					(Opr. N8BJQ)
WA8BIN	"	**437,294**	**559**	**80**	**198**
N8AIR	"	316,092	411	82	202
N8ESB	"	258,300	421	67	158
WA8YTM	"	186,428	323	59	150
KC8KE	"	179,304	346	59	127
W8UPH	"	177,008	355	55	129
W8TN	"	156,492	287	67	140
KF8K	"	120,600	246	52	128
K8CV	"	113,832	254	52	101
K8OT	"	108,290	238	59	111
N8CQA	"	106,355	205	60	179
KB8EF	"	98,115	172	57	154
KB8FJ	"	80,465	221	40	93
N8BC	"	79,952	195	51	101
NI8Y	"	67,620	174	42	98
KA8ZPA	"	39,960	113	42	66
KB8TT	"	39,098	128	38	75
W7IJ/8	"	38,676	120	44	88
NK8Q	"	30,028	128	35	75
W8YGR	"	7,232	42	24	40
KC8PC	28	4,160	44	11	21
N8GON	"	1,675	33	10	15
W8UA	**21**	**437,900**	**1001**	**32**	**119**
N8FEH	"	65,145	232	24	77
KE8AZ	"	43,130	164	23	72
WD9INH /8	"	28,028	138	22	55
W8TWA	**14**	**311,353**	**819**	**32**	**101**
WA8NDE	"	32,060	174	19	51
K8KUH	"	29,295	160	17	46
AD8C	**7**	**43,758**	**162**	**25**	**77**
W8UVZ	**3.7**	**30,000**	**178**	**17**	**58**
K8NW	**1.8**	**4,012**	**54**	**11**	**23**
W9RE	**A**	**2,580,600**	**1787**	**133**	**377**
K9SD	"	**485,352**	**552**	**101**	**223**
K9FD	"	**480,636**	**522**	**101**	**215**
K9CAN	"	404,040	473	90	222
W9NNE	"	403,683	475	107	222
K9UWA	"	350,557	462	86	203
KM9L	"	349,250	467	81	194
W9OP	"	324,648	523	61	182
WB9QCY	"	276,259	439	73	154
W9GIL	"	258,720	413	62	162
W9NA	"	239,899	447	53	140
NG9L	"	174,399	350	54	129
KC9EW	"	169,548	315	62	137
NE9I	"	161,568	293	59	145
NE9O	"	107,888	246	56	120
K9BQL	"	99,900	247	58	92

Say You Saw It In CQ

WB9HRO	"	61,000	174	42	83
W9TNZ	"	47,502	148	41	85
KK9A	"	41,403	135	36	75
NJ9Z	"	30,996	108	39	69
AG9E	"	26,829	100	33	66
W9LNQ	"	24,024	94	29	75
K9JNB	"	5,405	62	16	19
N9DHG	"	5,157	50	19	28
W9REC	"	5,320	46	20	36
N9DMG	"	4,797	48	18	23
NB9K	"	228	7	5	7
WD9AHJ	**28**	**32,884**	**164**	**24**	**57**
WØAIH/9	**21**	**208,740**	**513**	**32**	**110**
			(Opr. NØBSH)		
W9XT	"	189,791	524	29	104
KV9S	"	167,076	484	30	96
KS9U	"	146,089	393	33	106
W9OF	"	78,720	236	29	91
KA9GRA	"	49,780	191	23	72
W9SC	"	27,018	131	24	55
W9MP	"	20,700	100	20	55
WB9HAD	**14**	**470,041**	**1125**	**36**	**107**
K9CLD	"	160,290	508	28	89
K9LJN	"	86,688	314	25	71
K9YNF	"	39,200	175	22	58
KD9BG	"	32,800	144	24	56
K9AB	"	29,319	117	26	61
KS9O	**7**	**39,105**	**144**	**25**	**74**
N9BUS	"	18,788	94	22	55
W9RN	**3.7**	**41,040**	**253**	**19**	**57**
WØJLC	**A**	**1,723,176**	**1145**	**150**	**376**
KØUK	"	**1,697,868**	**1482**	**126**	**272**
WØEJ	"	**718,178**	**793**	**96**	**230**
WØHRH	"	486,972	573	96	238
KCØFJ	"	266,256	397	95	163
WØRXL	"	210,678	357	74	145
KØGT	"	168,693	302	68	135
NSØB	"	165,184	275	74	158
WBØISW	"	153,924	300	73	129
KØTLM	"	148,122	256	68	143
KØIYF	"	144,324	293	55	116
KAØGGI	"	132,762	229	65	153
WØFI	"	125,550	201	75	150
WAØDCB	"	97,614	275	51	102
KCØLX	"	97,486	233	52	106
KAØTMW	"	90,872	237	51	97
AKØM	"	79,050	194	55	100
KØUKO	"	75,145	202	46	87
NIØG	"	72,576	184	56	112
KEØHY	"	53,504	153	49	79
WBØIEL	"	51,865	165	41	74
NGØW	"	51,060	167	47	68
WØPPF	"	39,160	145	39	71
NBØH	"	36,850	129	34	76
KEØY	"	29,760	95	45	75
KSØT	"	22,352	91	29	59
KCØZW	"	20,976	84	35	57
NTØW	"	18,249	85	26	51
WØWUU	"	17,656	89	27	46
W4NIM/Ø	"	14,472	82	27	40
ABØX	"	11,607	66	27	46
KA9IMX	"	11,205	66	28	37
AKØW	"	10,048	57	26	38
WØNGB	"	9,734	54	23	39
WØJM	"	7,888	51	21	37
KEØCI	"	1,855	21	17	18
KØJVZ	"	270	10	8	7
N2IC/Ø	**21**	**637,515**	**1408**	**33**	**122**
KØGAS	"	74,250	270	29	70
KBØU	"	67,390	207	30	85
KDØS	"	41,490	164	29	61
KØDD	**14**	**240,919**	**658**	**33**	**94**
			(Opr. NSØN)		
KØSCM	"	193,736	566	30	92
W9RXJ/Ø	"	77,900	275	28	72
WØCAQ	"	5,985	59	7	28
KØRF	**7**	**148,629**	**440**	**32**	**87**
KØVVV	"	**85,734**	**308**	**28**	**71**
			(Opr. NØEKK)		
KVØO	"	**84,930**	**314**	**27**	**68**
KJØG	"	8,550	66	20	30
KØCS	3.7	1,728	37	9	15

ALASKA

AL7CQ	**A**	**1,266,765**	**2269**	**87**	**150**
AL7IJ	**14**	**357,610**	**1381**	**32**	**78**
NL7DU	"	22,983	159	15	32
KL7U	**1.8**	**5,962**	**144**	**10**	**12**

ANTIGUA

V22A	**21**	**1,789,470**	**4075**	**37**	**140**
			(Opr. WB7RFA)		

BAHAMAS

W8KKF /C6A	**A**	**1,057,485**	**2566**	**62**	**133**
C6AER	"	18,473	85	42	49

BELIZE

V31CV	**A**	**4,165,972**	**4019**	**129**	**314**
			(Opr. KE5CV)		

BERMUDA

W3MA /VP9	**A**	**3,472,816**	**4074**	**101**	**267**
DL6FBL /VP9	"	3,084,208	3225	103	288

BRITISH VIRGIN ISLANDS

KQ2M /VP2V	**A**	**3,320,208**	**3693**	**106**	**264**

CANADA

VE1DH	**A**	**630,230**	**1515**	**57**	**133**
VO1AW	"	26,970	117	27	60
VE1BNN	**28**	**188,940**	**943**	**19**	**75**
VE1XN	"	15,207	186	13	24
VO1SA	**21**	**1,024,155**	**2416**	**33**	**132**
VE1TG	"	439,166	1279	27	106
VE1TE	"	105,698	495	21	61
VO1OF	**14**	**766,051**	**1896**	**34**	**109**
VO1OU	"	145,320	511	25	80
VE1CGV	"	92,400	443	26	62
VE1AGZ	"	67,120	300	21	59
VE2AYU	**A**	**799,800**	**1038**	**78**	**222**
VO2AC	"	449,528	1115	54	124
VE2XY	"	71,361	396	24	57
VE2PJ	**14**	**567,042**	**1425**	**36**	**102**
VE2FJH	"	118,260	461	23	67
VE2MR	"	56,364	265	22	61
VE6OU/3	**A**	**4,497,972**	**3311**	**130**	**385**
VE3XN	"	2,336,180	2028	119	332
VE3JGC	"	338,550	469	90	215
VE3CWE	"	64,380	160	55	93
VE3CMU	"	8,268	71	22	30
VE3FWQ	**28**	**92,976**	**498**	**21**	**57**
VE3OXT	"	33,360	353	14	34
VE2AEJ/3	"	15,300	129	14	37
VE3MVV	"	5,760	52	12	28
VE3NBE	**21**	**39,864**	**168**	**23**	**65**
VE3CDX	**14**	**1,075,148**	**2381**	**38**	**125**
VE3AT	"	427,704	1155	34	108
VE3NTW	"	168,000	548	27	93
VE3BMV	**1.8**	**52,240**	**662**	**14**	**26**
VE3PN	"	14,050	309	9	16
VE4RP	**A**	**194,265**	**540**	**47**	**86**
VE6AXB	**A**	**180,960**	**451**	**53**	**92**
VE6DZ	"	95,256	302	49	77
VE6AHS	**21**	**139,332**	**874**	**24**	**44**
VE6XS	**14**	**49,980**	**221**	**25**	**60**
VE7HMS	**A**	**264,180**	**583**	**67**	**103**
VE7DYX	"	120,930	342	56	89
VE7FTC	"	93,903	285	36	77
VE7AO	"	61,472	182	54	82
VE7GAK	28	230	11	5	5
VE7FJE	**21**	**71,344**	**566**	**20**	**32**
VE7EIK	**14**	**492,000**	**1554**	**32**	**88**
VE7EIQ	"	154,077	827	24	53
VE7AVU	"	93,300	691	17	43
VE7GDM	**1.8**	**1,800**	**97**	**6**	**4**
VE8CM	**A**	**57,421**	**311**	**48**	**43**
VE8DX	**1.8**	**3,749**	**68**	**7**	**16**

CAYMAN ISLANDS

ZF2FL	**A**	**3,736,635**	**3863**	**116**	**283**
			(Opr. N6RJ)		
ZF2JI	"	1,163,448	2253	74	160
			(Opr. K4IIF)		

COSTA RICA

TI2MEN	**A**	**541,680**	**1381**	**63**	**122**
TI2ANL	"	528,612	1297	67	136
TI2TEB	**28**	**54,180**	**595**	**16**	**27**

CUBA

CO2CB	**A**	**205,288**	**797**	**56**	**78**
CO2GB	"	40,180	229	33	49

DOMINICAN REPUBLIC

HIØJR	**A**	**1,471,860**	**2560**	**76**	**179**
			(Opr. HI3JEI)		
HI8DLA	"	65,516	718	15	29

FRENCH SAINT MARTIN

FG/WA4TLI /FS	**A**	**1,051,389**	**2230**	**64**	**133**
FG/AA4VK /FS	**28**	**83,735**	**924**	**17**	**32**

GREENLAND

OX3KM	**A**	**243,334**	**551**	**48**	**134**
OX3SG	"	66,734	233	34	88

MEXICO

XE1VIC	**A**	**1,405,560**	**2542**	**93**	**167**
XE2MX	"	151,385	451	52	85
XF5L	**14**	**526,008**	**1436**	**37**	**131**
			(Opr. XE1L)		
XE2NNZ	1.8	4,316	166	7	6

PANAMA

HP8AHF	A	21,868	119	31	40
HP2BPI	21	9,792	144	13	23

PUERTO RICO

KP4CZ	A	27,999	273	24	27
WP4U	**21**	**290,931**	**1160**	**23**	**88**
NP4A	**3.7**	**343,170**	**1098**	**28**	**107**

ST. MAARTEN

PJ1CU	A	19,710	91	33	57
			(Opr. K7CU)		

ST. VINCENT

J87CD	**A**	**144,196**	**374**	**59**	**99**

AFRICA

CANARY ISLANDS

EA8ACH	**A**	**2,821,398**	**2232**	**117**	**309**
EA8BDH	"	24,120	91	29	61
EA8AXN	"	18,300	74	16	34
EA8ANV	"	990	15	9	13
EA8VV	**28**	**318,516**	**856**	**28**	**99**
EA8AMT	"	120,540	435	25	73
EA8AKN	"	46,110	185	23	64
EA8BFU	**21**	**132,405**	**488**	**21**	**70**
EA8BED	"	90,610	364	25	60
EA8ABG	"	28,860	131	19	55
EA8BCJ	14	23,256	111	17	57
EA8BGO	"	2,432	30	15	23

CEUTA & MELILLA

EA9AM	**A**	**2,948,946**	**2311**	**109**	**320**
EA9NN	"	44,149	148	38	89
EC9IR	**21**	**165,915**	**424**	**35**	**100**

CHAGOS

VQ9GB	**A**	**1,387,008**	**1362**	**101**	**243**

GABON

TR8JLD	**A**	**2,725,002**	**2456**	**95**	**283**
TR8LD	**21**	**407,162**	**1111**	**32**	**95**
TR8SA	"	226,422	617	30	96

KENYA

5Z4DU	**21**	**723,940**	**1741**	**32**	**108**

LESOTHO

7P8DP	**A**	**336,364**	**704**	**58**	**106**

LIBERIA

EL7J	**14**	**59,203**	**276**	**26**	**47**

MADEIRA ISLANDS

CT3ET	**21**	**89,713**	**302**	**25**	**78**

NAMIBIA

ZS3HL	**A**	**2,309,710**	**2403**	**88**	**238**
ZS3BI	"	422,706	805	51	127
ZS4NS /ZS3	"	154,845	352	53	102

NIGERIA

JG1FVZ /5N26	**A**	**1,065,678**	**1306**	**72**	**210**

REPUBLIC OF SOUTH AFRICA

ZS6P	**28**	**317,520**	**1017**	**23**	**82**
ZS6G	**7**	**89,056**	**326**	**29**	**63**

ZIMBABWE

Z23JO	**28**	**26,572**	**177**	**15**	**37**

ASIA

BAHRAIN

A92BE	**14**	**340,750**	**1003**	**35**	**110**

INDIA

VU2LBW	A	36,408	127	47	76
VU2UR	"	27,874	137	23	54
VU2VVC	"	13,731	78	29	40
VU2Z	**21**	**400,062**	**1084**	**35**	**103**
			(Opr. VU2ZAP)		
VU2RJA	"	4,257	51	13	103
VU2N	14	23,712	129	26	52
			(Opr. VU2NTA)		

ISRAEL

4X6KX	A	24,528	114	31	53

JAPAN

JA1XAF	**A**	**2,102,895**	**1753**	**141**	**280**
JF1SEK	"	**1,201,068**	**1411**	**104**	**193**
JO1CRA	"	477,568	606	89	198
JE1AER	"	222,592	434	68	120
JM1WZP	"	82,038	238	50	71
JA1BNW	"	63,280	161	56	84
JA1AAT	"	26,726	119	38	45
JA1YWG	"	24,852	115	32	44
			(Opr. JJ1VRO)		
JP1SRG	"	23,904	122	32	40
JA6TIT/1	"	22,878	88	39	54

TOP SCORES

WORLD Single Op All Band		USA Single Op All Band	
8R1X	8,940,450	K2TR	3,109,503
P4ØA	8,172,930	KT3M	2,884,466
PJ2FR	6,925,920	W3BGN	2,844,072
FY5YE	6,484,830	K1ZM	2,747,824
VK9NS	4,766,779	K5ZD/1	2,738,148
VE6OU/3	4,497,972	W7EJ	2,602,392
V31CV	4,165,972	W9RE	2,580,600
TA2BK	3,973,710	K1DG	2,546,527
WR6R/KH6	3,937,192	K1CC	2,529,578
ZF2FL	3,736,635	N2FB/3	2,496,620
28 MHz		**28 MHz**	
LU1E	754,490	K4JRB	179,530
ZY5IW	728,280	KE5FI	147,870
4M7A	604,608	K7QQ	103,716
LU2E	514,180	WC4E	99,081
LU2FEC	452,985	KE7C	94,032
HC5EA	379,850	K1UO	75,936
21 MHz		**21 MHz**	
ZZ5EG	2,184,570	K3RV/4	925,031
V22A	1,789,470	N2IC/Ø	637,515
ZP5JCY	1,707,888	W1ZM	428,904
9Y4AT	1,106,145	W8UA	437,900
VO1SA	1,025,155	W4NL	415,740
CE6EZ	1,008,484	N4VZ	354,732
14 MHz		**14 MHz**	
OH8PF	1,259,503	K2EK	781,052
VE3CDX	1,075,148	KE7V	604,640
OH8SR	1,027,368	N7TT	547,500
YW1A	1,002,592	K3ZJ/4	539,770
PY5EG	899,085	K2HFX	524,560
IO6FLD	832,590	W6QHS	510,510
7 MHz		**7 MHz**	
ZY5EG	473,634	KØRF	148,629
I4VEQ	425,799	KM6B	136,600
JA8IXM	316,382	KØVVV	85,734
OH3UU	303,800	KVØQ	84,930
JA5BJC	298,384	AD8C	43,758
HA9RE	247,680	KS9O	39,105
3.7 MHz		**3.7 MHz**	
NP4A	343,170	K7SS	217,038
K7SS	217,038	W6RJ	103,425
LX9BV	185,280	KR1G	52,548
PA2TMS	151,065	K1MEM	45,125
IO3MAU	137,907	W9RN	41,040
GW4VEQ	123,070	NO2I	37,022
1.8 MHz		**1.8 MHz**	
LZ2CJ	89,244	K5UR	19,044
VE3BMV	52,240	W4DR	11,648
KH6CC	45,828	AB1A	8,320
DL1YD	36,864	W2FCR	7,425
UA9AKO	29,680	N1ACH	5,200
UG6GAW	23,712	K8NW	4,012
Multi-Op Single Transmitter		**Multi-Op Single Transmitter**	
VP2EC	11,547,536	KX4S	4,335,969
KP4BZ	10,596,868	N2ME	3,973,546
CV1D	9,636,250	N3RS	3,929,396
I5NPH	9,368,892	N4WW	3,623,833
LZ7A	7,711,234	N4ZC	3,587,985
Y34K	7,012,140	K1AR	3,511,632
Multi-Op Multi-Transmitter		**Multi-Op Multi-Transmitter**	
PJ1B	25,366,605	N5AU	11,116,064
JY7Z	14,341,888	N2AA	10,646,094
VP2MU	12,870,580	W3LPL	7,531,680
KH6XX	12,500,823	N6RO	6,858,638
UP9A	11,807,040	NR5M	6,217,750
N5AU	11,116,064	AD8P	6,066,450

SINGLE OP ZONE WINNERS

Zone	Call	Score		Call	Score
1	AL7CQ	1,266,765	21	UF6FFF	3,087,357
2	VO2AC	449,628	22	VU2Z	400,062
3	W7EJ	2,602,392	23	JT5AA	56,320
4	VE6OU/3	4,497,972	24	BY1QH	115,515
5	W3MA/VP9	3,472,816	25	JA1XAF	2,102,895
6	XE1VIC	1,405,560	26	No Entry	
7	V31CV	4,165,972	27	K4YT/4D9	3,086,770
8	ZF2FL	3,736,635	28	YBØARA	2,374,560
9	8R1X	8,940,450	29	VK6HD	269,973
10	OA4ZV	1,907,765	30	VK2KL	1,816,920
11	ZZ5EG	2,184,570	31	WR6R/KH6	3,937,192
12	CE3FIP	3,643,269	32	VK9NS	4,766,779
13	CX9CO	1,731,184	33	EA9AM	2,948,946
14	DJ4PT	2,537,766	34	No Entry	
15	YT3M	2,898,336	35	JG1FVZ/5N26	1,065,678
16	UA4RZ	2,437,050	36	TR8JLD	2,725,002
17	RM8MA	546,260	37	5Z4DU	723,940
18	UA9MR	241,379	38	ZS3HL	2,309,710
19	UWØMF	505,050	39	VQ9GB	1,387,008
20	TA2BK	3,973,710	40	TF1PS	451,173

JA1JGP	"	20,440	100	32	41
JH1MTR	"	17,593	92	35	38
JH1NHY	"	8,499	91	33	34
JH1HER	"	6,414	110	31	30
JR1UTS	"	3,367	33	17	20
JO1MCC	"	1,350	20	11	14
JH1AJT	**28**	**269,940**	**722**	**31**	**101**
JH1LBR	"	78,854	308	29	60
JR1IJV	"	53,130	261	25	45
JA1MYW	"	16,936	103	22	36
JH1IEC	"	13,632	80	22	42
JA1MVK	"	7,339	59	18	25
JA1FO	"	1,113	19	9	12
JR1OYL	"	390	10	6	7
JR1CBC	**21**	**529,740**	**1357**	**35**	**100**
JR1WHW	**"**	**428,895**	**1120**	**36**	**99**
JH1CMW	"	193,557	737	29	62
JO1RDV	"	180,360	557	35	81
JH1MQC	"	137,875	408	35	90
JE1DXC	"	109,272	346	33	83
JP1FZA	"	103,680	305	36	84
JS1UMQ	"	58,400	288	26	47
JA1QXC	"	49,764	228	29	49
JE1UMK	"	40,158	213	25	44
JH1UUT	"	36,225	213	23	40
JM1CMA	"	18,228	126	20	29
JM1AQU	"	12,642	110	19	23
JL1EJO	"	6,435	55	19	26
JH1AFH	"	5,580	69	14	17
JO1AIA	"	2,332	32	15	18
JS1MRM	"	1,650	36	14	11
JL1VNC	"	442	14	7	6
JK1XUL	"	54	3	3	3
JK1MAZ	**14**	**744,876**	**1587**	**39**	**123**
JA1JXU	**"**	**436,450**	**1115**	**37**	**108**
JK1KRS	"	121,336	369	33	83
JA1GO	"	27,232	109	31	61
JA1VBW	"	25,308	122	27	47
JA1BUN	"	15,370	106	22	31
JA1ASO	"	4,727	57	15	14
JH7AJD/1	"	2,175	27	11	18
JH1YDT	**7**	**133,416**	**447**	**33**	**76**
			(Opr. JH4UTP)		
JA1QOP	"	13,359	72	29	44
JA1NYV	"	714	18	9	8
JA2ODS	**A**	**198,283**	**301**	**99**	**134**
JH2FFR	"	167,365	322	82	105
JF2UOP	"	125,850	302	56	94
JA2UOT	"	77,592	265	48	58
JR2RAV	**28**	**95,616**	**351**	**29**	**67**
JH2KTA	**21**	**105,144**	**352**	**31**	**73**
JE2QYZ	"	32,256	162	26	46
JJ2IOX	"	11,950	87	20	30
JJ2LGS	"	5,217	51	18	19
JI2LCE	"	4,114	66	12	10
JI2MBQ	"	2,640	37	14	16
JK2CKB	"	99	5	4	5
JA2THS	**14**	**405,296**	**965**	**37**	**109**
JA2BNN	"	94,500	331	32	68
JF2PTA	"	13,583	105	22	25
JR2AGL	"	4,134	30	12	14
JA2WZ	"	2,470	35	11	15
JA2BAY	**7**	**163,170**	**522**	**33**	**78**
JA2BEY	"	130	8	5	8
JF3CCN	**A**	**360,864**	**580**	**81**	**143**
JH3DEJ	"	41,104	133	46	66
JA3UWB	"	34,749	135	42	57
JG3NKP	"	19,327	87	30	47
JR3XEX	"	7,650	57	19	31
JA3XOG	**28**	**23,703**	**112**	**26**	**47**
JA3AYX	"	14,418	94	21	33
JA3RBC	"	76	7	2	2
JR3NZC	**21**	**295,780**	**905**	**35**	**80**
JK3GAD	21	59,422	291	24	49
JI3MJK	"	31,892	179	22	45
JR3KAH	"	2,210	35	13	13
JR3CVJ	"	1,064	20	8	11
JE3ZFS	**14**	**249,174**	**690**	**36**	**91**
			(Opr. JI3JGJ)		
JA4XHF/3	"	6,232	58	15	23
JA3QHR	**7**	**74,048**	**276**	**33**	**71**
JE4VVM	**A**	**704,778**	**832**	**103**	**200**
JH4DIT	**"**	**676,668**	**769**	**118**	**203**
JR4IVR	"	461,241	569	102	195
JA4ESR	"	282,150	451	89	136
JA4AQA	"	36,386	122	46	67
JR4VGD	"	32,928	135	44	54
JA4GXS	"	29,450	113	44	51
JJ3LJU/4	"	6,084	59	15	21
JA4RWN	"	2,730	30	17	18
JE4RBR	21	8,398	85	16	22
JR4ISK	"	1,606	25	10	12
JA4FWM	**14**	**366,765**	**845**	**37**	**110**
JH4UYB	"	123,768	403	34	74
JE4MYY	"	10,854	73	22	32
JA4ATV	"	7,476	62	16	26
JA4PA	"	4,125	55	14	11
JR4TAP	"	2,673	35	12	15
JA4EE	"	864	18	8	8
JH4AAG	**7**	**54,390**	**190**	**33**	**78**
JR5JAQ	**21**	**75,768**	**333**	**26**	**58**
JE4WSA					
/5	"	46,248	181	28	66
JA5PDS	"	13,145	101	21	34
JA5EO	"	11,180	81	19	33
JA5YTD	"	3,312	43	15	21
			(Opr. JR5PDX)		
JA5AF	14	4,114	48	13	21
JA5BJC	**7**	**298,384**	**800**	**36**	**100**
JA6LDD	**A**	**1,295,324**	**1387**	**112**	**212**
JA6EZE	**"**	**1,220,518**	**1280**	**112**	**225**
JH6TYD	"	88,000	293	42	68
JA6EFT	"	66,480	213	49	71
JA6YFL	"	65,322	206	48	66
			(Opr. JR4WYU)		
JA6AKV	"	48,450	159	46	68
JH6IOM	"	22,977	118	25	44
JF6JQM	"	15,210	73	37	41
JE6IXH	"	10,800	82	16	34
JA6EGU	"	7,515	57	19	26
JI6ESQ	"	7,332	53	18	34
JF6KAC	"	2,160	26	16	14
JH6WHN	28	13,915	93	21	34
JA6WJL	"	84	4	3	4
JF6CBA	**21**	**126,720**	**414**	**35**	**75**
JF6CWS	"	98,490	386	31	74
JA6QVZ	"	33,525	167	28	47
JI6HTJ	"	2,618	63	17	17
JE6NXH	"	2,580	37	13	17
JE6DML	"	2,340	28	11	19
JG6LGE	"	2,028	28	13	13
JA6QDU	"	1,596	27	9	12
JE6GGE	"	1,127	19	11	12
JA6BWH	"	784	20	6	8
JR6IIB	"	29,988	166	26	42
JR6PGB	**7**	**83,616**	**313**	**32**	**72**
JA6GGD	3.7	1,647	29	13	14
JE7GAA	**A**	**232,872**	**446**	**70**	**116**
JA7JH	"	121,953	247	70	107
JA7AXP	"	6,273	45	24	27
JR7CDL	**28**	**14,208**	**101**	**20**	**28**
JH7WKQ	**21**	**353,204**	**1111**	**33**	**81**
JA7QVI	**"**	**162,800**	**507**	**32**	**78**
JA7DFU	"	109,830	381	32	73
JA2DOC/7	"	95,060	353	29	68
JH7KTI	"	15,300	74	26	49
JH7BMF	"	7,548	77	19	18
JH7HJF	"	760	20	9	10
JH7QXJ	"	141,790	450	34	76
JA7YCQ	"	129,492	457	32	67
			(Opr. JE7OWF)		
JA7DSL	"	79,092	358	27	51
JA7DOT	"	71,246	255	32	66
JA7SSB	"	47,215	180	33	62
JA7AKT	"	37,248	198	26	38
JA7RXU	"	35,728	219	24	34
JH7XGN	"	8,550	68	18	27
JA7HMZ	"	149,388	452	36	82
JA8RUZ	**A**	**375,336**	**560**	**94**	**140**
JA8SW	"	105,327	278	53	88
JA8UBV	"	57,105	154	50	85
JE8TRU	28	72	8	2	1
JA8RWU	**21**	**183,339**	**549**	**34**	**83**
JA8UJY	"	52,836	273	23	45
JR8GFA	"	49,802	252	26	48
JA8IUB	"	19,890	110	24	41
JA8QBY	"	5,740	50	19	22
JH8JWF	**14**	**653,184**	**1349**	**39**	**129**
JR8SGE	"	11,904	92	17	31
JA8IXM	**7**	**316,382**	**794**	**37**	**109**
JA9RPU	**A**	**1,178,886**	**1150**	**123**	**243**
JA9JFO	"	524,116	669	101	182
JA9CWJ	28	512	12	6	10
JH9KVF	**21**	**163,721**	**574**	**32**	**69**
JH9TOW	"	3,842	49	14	20
JH9JJD	"	275	9	5	6
JA9BEK	**14**	**105,450**	**339**	**34**	**77**
JAØJHA	**A**	**1,861,098**	**2068**	**113**	**200**
JAØVHI	"	43,524	149	52	65
JAØGZ	"	1,860	24	14	16
JRØBOT	28	8,476	60	22	30
JHØOTM	"	4,420	46	15	19
JHØEPI	**21**	**99,890**	**480**	**23**	**47**
JHØMXV	"	77,532	317	29	62
JHØHON	"	19,610	97	25	49
JHØSGG	"	13,035	86	23	32
JHØBBD	**14**	**45,408**	**247**	**24**	**42**
JHØNZN	"	31,185	175	23	40
JAØAD	"	28,365	168	27	34
JAØUMV	**7**	**36,736**	**169**	**28**	**54**
JAØRFF	"	30	3	2	3

KOREA

HL1LW	**A**	**224,154**	**649**	**74**	**115**
HL9CW	**21**	**413,406**	**1271**	**32**	**87**
HL4HAO	**"**	**135,450**	**741**	**28**	**62**
HL1ABR	**"**	**7,520**	**118**	**14**	**18**
HL1IE	**14**	**104,004**	**500**	**32**	**75**

KUWAIT

9K2YA	A	44,034	197	18	44

LEBANON

OD5RF	A	38,473	168	24	55

MONGOLIA

JT5AA	**A**	**56,320**	**434**	**33**	**55**
JT1BQ	**21**	**26,199**	**453**	**11**	**30**

PAKISTAN

AP2ZA	**14**	**364,603**	**1011**	**37**	**112**

PEOPLE'S REPUBLIC OF CHINA

BY1QH	**A**	**115,515**	**788**	**26**	**59**
			(Opr. K5IID)		

SAUDI ARABIA

HZ1HZ	**A**	**863,360**	**1072**	**83**	**201**

TURKEY

TA2BK	**A**	**3,973,710**	**3235**	**102**	**341**

U.S.S.R. (ASIATIC)

ARMENIA

UG6IJ	**A**	**374,360**	**687**	**50**	**146**
UG6LQ	**14**	**545,020**	**1458**	**35**	**105**
UG6GAW	**1.8**	**23,712**	**182**	**9**	**39**

ASIATIC RUSSIA

UA9MR	**A**	**241,379**	**361**	**95**	**186**
UV9WR	"	42,834	152	39	82
UA9XAB	"	38,446	187	29	65
UA9XDG	"	726	15	9	13
RA9YM	**21**	**121,425**	**1038**	**21**	**54**
RA9JX	"	113,568	501	26	65
UV9WN	"	83,970	375	22	68
UA9SMO	"	43,529	201	22	57
UA9XSJ	"	35,535	215	18	51
UA9HFC	"	8,424	216	12	27
UW9UP	**14**	**182,274**	**719**	**29**	**73**
UW9OA	"	147,210	500	29	76
UA9OA	**7**	**46,080**	**250**	**20**	**52**
UW9SW	"	31,008	198	11	46
UV9FM	**3.5**	**52,094**	**316**	**14**	**47**
UA9AKO	**1.8**	**29,680**	**191**	**15**	**41**
UA9UR	"	10,998	165	10	29
UWØMF	**A**	**505,050**	**756**	**96**	**163**
UWØLT	"	356,880	572	81	159
UAØLCZ	"	237,006	508	81	128
UWØCF	"	35,867	155	42	47
UWØCM	"	1,216	29	8	11
UZØAB	28	1,054	24	6	11
UAØQF	**21**	**191,592**	**803**	**32**	**76**
UAØSMM	"	111,168	556	28	68
UWØLD	"	47,061	238	28	55
UAØFF	"	41,154	246	22	35
UAØSG	"	33,810	223	21	49
UAØUN	"	24,400	272	15	35
UAØUDC	"	13,776	204	13	28
UAØTO	**7**	**181,608**	**1028**	**26**	**68**
UAØSR	"	26,460	307	17	37
UAØFDX	**3.7**	**20,466**	**276**	**20**	**34**

AZERBAIJAN

UD6DCF	**7**	**16,454**	**150**	**8**	**30**

GEORGIA

UF6FFF	**A**	**3,087,357**	**2449**	**106**	**303**
UF6VAW	**3.5**	**91,093**	**475**	**17**	**54**

KAZAKH

UL7LEG	**A**	**61,060**	**247**	**19**	**67**
UL7ACI	**28**	**175,050**	**718**	**26**	**64**
RL7GE	21	2,987	57	10	19
UL7DA	**14**	**230,336**	**837**	**31**	**87**
RL7ABK	7	9,766	98	9	29
RL7AC	**3.7**	**16,905**	**180**	**7**	**28**
UL7CEP	"	176	18	4	4

KIRGHIZ

RM8MA	**A**	**546,260**	**809**	**78**	**182**
UM8MTF	"	76,428	326	32	67
UM8MIG	**28**	**68,055**	**476**	**20**	**53**
UM8MCW	**21**	**73,720**	**372**	**28**	**67**
UM8DX	**14**	**194,930**	**713**	**29**	**72**
UM8MAN	"	61,110	268	28	62
UM8MIZ	7	4,896	92	11	21
UM8MO	**3.7**	**23,650**	**220**	**13**	**42**

TURKOMAN

RH8AD	**A**	**1,269**	**20**	**12**	**15**

UZBEK

UI8ZAA	**A**	**343,959**	**582**	**58**	**173**
UI8IAJ	"	62,205	167	47	96
UI8BAA	28	1,564	26	8	15
RI8BQ	**21**	**105,675**	**573**	**22**	**53**

EUROPE

ANDORRA

C31LFD	A	0	5	5	5

AUSTRIA

OE1WWL	**A**	**18,640**	**89**	**30**	**50**
OE1TKW	**28**	**1,224**	**26**	**9**	**15**

AZORES ISLANDS

CT1DIZ /CU3	21	105,570	611	21	81

BALEARIC ISLANDS

EA6GP	**A**	**85,635**	**370**	**40**	**125**
EA6MQ	"	71,070	328	34	81
EA6VQ	**28**	**121,284**	**705**	**26**	**82**
G6ZY/EA6	**21**	**360,360**	**1390**	**31**	**89**
EA6OA	"	110,313	688	26	77
EA6WX	"	6,762	109	12	30
EA6WY	"	2,943	43	10	17
EA6WV	**14**	**220,564**	**880**	**35**	**99**
EA6TC	7	3,168	90	5	28
EC6LS	3.7	391	23	3	14

BELGIUM

ON4KST	**21**	**262,691**	**810**	**35**	**86**
ON5KY	**14**	**285,840**	**946**	**35**	**109**
ON4XG	"	39,060	293	17	53
ON5WL	"	20,723	172	15	38

BULGARIA

LZ6KST	**A**	**589,280**	**1262**	**81**	**209**
LZ1HP	"	155,056	476	55	161
LZ2RM	"	64,938	133	46	112
LZ1BJ	"	22,295	169	24	67
LZ2JE	"	20,705	125	29	72
LZ1KDP	**28**	**99,600**	**616**	**27**	**73**
LZ2ZA	"	20,636	151	20	47
LZ6DV	"	15,792	134	19	37
LZ1KOZ	**21**	**197,125**	**849**	**34**	**91**
LZ1NS	"	1,242	21	12	11
LZ2DU	**3.7**	**7,749**	**215**	**6**	**35**
LZ1VA	"	5,455	148	4	31
LZ6FJ	"	432	23	5	11
LZ2CJ	**1.8**	**89,244**	**1077**	**13**	**61**

CZECHOSLOVAKIA

OK3CSC	**A**	**2,122,515**	**2078**	**125**	**342**
OK1IMP	**"**	**1,261,239**	**1634**	**105**	**294**
OK2JS	**"**	**918,012**	**1180**	**98**	**241**
OK2RU	"	538,650	965	64	202
OK3CMZ	"	333,659	578	84	195
OK1EP	"	226,320	449	63	142
OK1KZ	"	196,811	748	47	152
OK3YCA	"	177,210	427	53	145
OK2ABU	"	117,603	416	50	129
OK2QX	"	81,243	240	50	127
OK3YK	"	78,183	391	35	118
OK2BWH	"	72,774	317	33	84
OK3FON	"	57,949	165	43	124
OK1BB	"	47,152	365	23	112
OK3MB	"	42,375	158	38	75
OK3CTX	"	33,363	300	20	79
OK1DVK	"	30,051	129	41	118
OK1KAY/P	"	9,744	221	9	33
OK1DZJ	"	8,950	126	16	34
OK1KCF	"	6,780	78	17	43
OK1AOU	"	5,760	81	18	46
OK1KUZ	"	5,203	101	9	34
OK2TH	"	4,028	68	11	27
OK1DZL	"	2,725	34	15	17
OK2KVI	"	1,014	40	10	16
OK1KCP	"	147	7	3	4
OK3CFA	**28**	**81,216**	**414**	**27**	**69**
OK3LZ	"	61,750	338	27	68
OK2BBI	"	15,057	131	21	42
OK2CDP	"	432	21	7	9
OK1AZI	"	264	16	5	7
OK2BJR	**21**	**46,694**	**228**	**25**	**49**
OK3CAP	"	37,400	179	25	60
OK2BHQ	"	28,899	198	20	37
OK1PN	"	14,204	94	19	34
OK1AJN	**14**	**113,658**	**575**	**28**	**86**
OK2PAY	"	111,755	620	24	79
OK2AWQ	"	52,208	250	25	79
OK3UG	"	31,608	439	18	54
OK2BQL	"	18,392	107	21	55
OK2PCL	"	16,393	106	21	38
OK1DHJ	"	15,300	198	15	45
OK1MIZ	"	2,304	72	8	16
OK2BNX	"	1,296	28	9	18
OK2HI	**3.7**	**25,960**	**457**	**9**	**46**
OK3YCL	**"**	**20,600**	**405**	**7**	**43**
OK1AYE	"	9,062	199	8	38
OK1MNV	"	7,913	191	6	35
OK2PCF	"	7,683	198	5	34
OK1MKU	"	4,620	143	4	29
OK1DXW	"	2,320	84	4	25
OK3CTT	"	2,196	62	4	32
OK1DXS	**1.8**	**15,677**	**243**	**9**	**52**
OK3CQR	**"**	**10,206**	**185**	**11**	**43**
OK3CWQ	"	8,507	175	6	41
OK1JDX	"	6,956	131	10	37
OK1DWC	"	1,914	66	6	27
OK3CSQ	"	528	20	5	19

DENMARK

OZ7HT	**A**	**1,041,708**	**1672**	**77**	**205**
OZ1DPW	"	81,840	225	51	114
OZ1FAO	"	51,600	165	39	90
OZ1ZE/A	"	21,160	96	37	78
OZ1ACB	"	17,940	89	33	59
OZ1LTB	"	11,532	90	21	41
OZ2BM	"	9,360	61	26	34
OZ1LRT	"	3,192	38	17	25
OZ7NB	"	1,235	30	7	12
OZ1CFV	"	1,800	33	11	19
OZ5EV	**21**	**139,150**	**463**	**33**	**88**
OZ8CT	**14**	**66,516**	**379**	**25**	**67**
OZ1DTF	"	64,242	347	22	64
OZ1CVI	"	33,600	245	18	50
OZ1AXG	"	5,548	105	8	11
OZ8T	"	2,139	49	11	12
OZ4NA	"	1,452	28	9	24
OZ5JR	"	792	24	5	6
OZ1APA	7	2,829	60	7	34
OZ4CG	"	2,112	58	6	26
OZ3KE	"	1,350	53	3	24
OZ4MD	**3.7**	**89,870**	**792**	**17**	**69**

ENGLAND

G3SJX	**A**	**669,908**	**1004**	**80**	**236**
GB6AR	**"**	**296,100**	**522**	**63**	**172**
			(Opr. G4XKR)		

G3SNN	"	217,588	405	76	190
G4IUF	"	208,803	471	58	105
G4UDU	"	184,110	525	41	149
G3ICG	"	85,120	414	29	83
G6QQ	"	64,827	249	39	108
G4BWP	"	52,731	205	37	56
G4GIR	"	13,230	74	30	40
G6NK	"	13,164	109	15	48
G4JQL	"	2,395	23	12	23
GØAEV	**28**	**19,158**	**171**	**16**	**46**
G4RKK	**21**	**166,026**	**559**	**34**	**84**
G3RTE	"	137,706	510	31	87
G4PCI/P	"	40,950	259	22	53
GB2RIP	14	8,668	81	13	31
			Opr. GØCLY)		
G3JKY	"	8,442	123	13	29
G4CNY	**7**	**80,200**	**447**	**21**	**79**
G3XTT	**1.8**	**10,974**	**142**	**10**	**52**
G3XWZ	"	8,272	94	8	36

FED. REP. OF GERMANY

DJ4PT	**A**	**2,537,766**	**2269**	**122**	**340**
DL8PC	**"**	**1,565,832**	**1780**	**109**	**315**
DK8AX	**"**	**1,304,758**	**1281**	**105**	**364**
DJ2YA	**"**	**1,167,886**	**1108**	**115**	**367**
DJ4AX	**"**	**1,058,661**	**1197**	**120**	**333**
DJ3HJ	"	959,524	1191	93	295
DJ9ZB	"	944,118	1180	107	274
DJ6QT	"	776,282	990	88	321
DL3LU	"	623,004	762	103	283
DK2OY	"	576,944	820	88	249
DL3NBL	"	570,008	940	100	244
DJ8RR	"	556,829	1091	49	154
DF1SO	"	501,334	789	85	249
DL3YCJ	"	357,178	635	63	208
DF2UQ	"	307,850	566	62	173
DJ4ZR	"	276,150	406	72	191
DK5WQ	"	252,720	412	65	195
DK5DS	"	233,445	524	50	147
DL5RBW	"	193,998	416	75	141
DL7YS	"	138,060	286	60	135
DJ4PI	"	114,471	274	66	141
DL6YAO/P	"	102,265	565	48	133
DK1IT	"	101,061	335	42	129
DL6EH	"	82,593	316	47	86
DF9RD	"	72,437	258	48	101
DK8NG	"	66,240	184	60	147
DK1ZN	"	43,375	160	39	86
DL3FBY	"	42,920	158	43	73
DK6QW	"	39,585	147	36	69
DL1XAS	"	34,875	148	20	73
DF2HL	"	26,390	129	24	67
DL3IV	"	22,011	126	26	61
DL9OT	"	21,631	118	38	59
DJØKE	"	21,200	128	36	64
DJØCP	"	17,391	77	31	62
DL6RBZ	"	16,200	92	29	46
DA1DX	"	14,720	92	25	39
DL6OW	"	12,141	77	26	31
DJØVZ	"	7,424	80	20	38
DL8RBR	"	6,608	80	11	17
DJ5AV	"	6,583	56	19	38
DF3QN	"	3,726	41	15	31
DL8AK	"	3,283	50	12	37
DL8RBU	"	1,128	17	12	12
DL3RDF	"	646	12	9	10
DJ1ZU	**28**	**67,609**	**299**	**25**	**72**
DL3ME	"	2,730	42	11	15
DHØFAV	"	720	19	5	11
DK8FS	**21**	**73,680**	**255**	**33**	**87**
DL9SN	"	70,087	261	32	77
DL1RB	"	37,786	169	26	63
DJ6TK	"	21,252	121	26	51
DL3NAA	"	14,790	151	15	36
DJ4YV	"	11,232	78	20	34
DL8NU	**14**	**802,102**	**1973**	**37**	**124**
DK9IP	**"**	**697,655**	**1764**	**37**	**118**
DFØAT	**"**	**668,834**	**2119**	**33**	**104**
			(Opr. DL9NC)		
DL6LAU	"	170,898	1117	25	66
DK3GI	"	70,070	220	34	96
DL2RBK	"	43,500	300	20	55
DJØRX/P	"	7,896	124	10	32
DL1JC	"	3,390	47	13	17
DK8FD	"	1,794	28	10	16
DK4OO	**3.7**	**32,234**	**399**	**13**	**58**
DJ5JH	"	3,570	65	8	34
DL1YD	**1.8**	**36,864**	**421**	**15**	**57**

FINLAND

OH6JW	**A**	**2,327,236**	**2340**	**118**	**321**
OH2PM	**"**	**1,242,248**	**1573**	**101**	**291**
OH1VR	**"**	**1,062,152**	**1421**	**99**	**265**
OH2YF	"	841,976	1232	79	223
OH6GZ	"	144,375	385	51	124
OH7NW	"	66,424	307	37	115
OH2BJG	"	61,446	238	46	101
OH1BV	"	49,703	522	60	148
OH5TE	"	48,006	200	38	78
OH7TO	"	25,662	207	26	68
OH6SC	"	17,372	144	22	79
OH6SQ	"	14,592	74	32	44
OH1PY	"	7,956	64	10	41
OH3MC	"	7,089	102	22	36
OH9UW	"	6,399	58	25	56
OH2BPW	"	4,848	35	12	29
OH9SV	"	1,830	40	16	14
OH3RO	"	1,127	37	7	20
OH1ZAA	**28**	**19,527**	**167**	**19**	**50**
OH5OD	"	1,890	43	8	22
OH5BN	**21**	**685,296**	**1894**	**37**	**107**
OH1AD	"	402,555	1174	36	105
OH6AC	"	399,024	1200	35	101
			(Opr. OH6CS)		
OH1PE	"	61,700	252	27	73
OH5RZ	"	10,580	104	15	31
OH1TD	"	9,063	88	18	35
OH8PF	**14**	**1,259,503**	**3054**	**38**	**123**
OH8SR	**"**	**1,027,368**	**2890**	**36**	**116**
OH2WI	"	509,102	1472	34	112
OH8LQ	"	423,120	1589	34	89
OH2BUU	"	93,156	576	22	62
OH2CK	"	90,840	321	30	90
OH6NEQ	"	30,558	244	16	50
OH5JD	"	17,344	131	21	43
OH9PN	"	9,639	103	13	38
OH3MP	"	2,240	46	10	25
OH5MX	"	874	30	5	18
OH3UU	**7**	**303,800**	**1061**	**33**	**107**
OH6ZH	"	29,133	222	19	64
OH7UE	**3.7**	**120,980**	**784**	**28**	**87**

FRANCE

F3VX	**A**	**114,162**	**423**	**38**	**121**
FD1HWB	**"**	**112,520**	**372**	**40**	**105**
F6IUI	"	75,972	249	49	107
F6ENV	"	53,868	277	24	110
FE6FNA	"	35,919	180	34	83
F6CXL	"	28,700	244	17	24
FF6DRP	"	22,344	165	20	37
F2RO	"	17,664	125	23	41
F3AT	"	14,504	90	30	44
F6FID	**28**	**68,796**	**376**	**28**	**63**
F6BVB	"	1,975	64	6	19
F9JS	**21**	**107,160**	**347**	**32**	**88**
F6CLM	"	9,560	94	11	29
F6CQU	**14**	**461,038**	**1616**	**30**	**92**
FV6NDX	**7**	**122,778**	**658**	**24**	**90**
			(Opr. F6BBJ)		
F6AOJ	"	78,818	518	20	74

GERMAN DEMOCRATIC REP.

Y56YF	**A**	**764,750**	**1225**	**86**	**264**
Y22JJ	**"**	**607,104**	**1209**	**74**	**214**
Y38YK/P	**"**	**251,873**	**730**	**51**	**182**
Y28AL	**"**	**218,502**	**815**	**45**	**138**
Y36UE	**"**	**217,626**	**602**	**63**	**186**
Y33OJ/P	"	191,226	595	56	147
Y47PN	"	146,718	550	44	127
Y24NG	"	134,504	340	53	131
Y33UJ/P	"	112,175	375	47	128
Y23DG	"	107,055	365	43	92
Y22WD	"	84,056	299	40	112
Y53VN	"	74,980	279	50	113
Y53FD	"	73,688	218	46	105
Y43XE	"	72,160	230	46	118
Y53DD	"	71,232	202	62	106
Y48ZA	"	65,107	303	36	95
Y41NK	"	61,740	225	41	85
Y23RJ/A	"	59,353	351	32	107
Y64OI	"	55,195	208	39	94
Y58ZA/Y56WG	"	54,831	159	48	99
Y39TF	"	52,560	255	29	61
Y54TA	"	51,508	143	48	110
Y21HB	"	47,946	229	35	96
Y51XO	"	44,034	164	41	82
Y43GO	"	43,575	264	31	74
Y43XL	"	40,176	216	35	89
Y51WI	"	39,648	189	37	81
Y22WF	"	36,844	171	37	85
Y49YC	"	36,047	189	33	80
Y22HF	"	35,750	167	38	92
Y67UL	"	34,551	252	28	57
Y47WJ/P	"	34,320	181	28	82
Y23LG	"	30,750	161	22	53
Y39SH	"	28,320	240	23	57
Y22VI	"	26,712	215	23	83
Y82ML	"	23,100	136	27	48
Y27AO/A	"	22,464	120	36	68
Y24XJ	"	18,630	112	29	52
Y44TN	"	17,850	94	27	48
Y44TI	"	17,476	106	23	45
Y36YM	"	16,082	120	25	61
Y79XN	"	15,987	115	26	47
Y32DN	"	15,936	169	17	66
Y25IF	"	14,792	133	20	66
Y36SG	"	13,992	74	23	43
Y58ZA/Y31SC	"	12,629	63	25	48
Y25BE	"	11,968	161	15	53
Y54TI	"	11,736	65	27	45
Y25ML	"	11,400	107	22	54
Y25MG/A	"	10,450	73	22	33
Y31RB	"	10,128	101	17	31
Y66YF	"	9,943	107	16	45
Y47YM	"	9,360	74	25	47
Y42HA	"	8,468	90	16	42
Y54VA	"	7,488	43	29	35
Y22GC	"	6,882	47	26	36
Y26WM	"	6,440	46	25	45
Y55LA	"	5,229	52	19	44
Y55VJ	"	5,100	41	20	30
Y25JA/A	"	4,785	60	17	38
Y26BM/A	"	4,455	56	15	40
Y25TA/A	"	4,429	49	17	26
Y55TJ	"	3,700	42	17	33
Y22UB	"	3,276	44	14	25
Y27BN	"	2,622	40	13	25
Y48ZF	"	2,576	41	15	31
Y33TB/P	"	2,565	62	8	37
Y51PG	"	2,376	30	12	24
Y23XF	"	2,244	67	6	28
Y34XF	"	2,175	31	12	17
Y33UB/P	"	2,142	55	7	35
Y32ZF	"	1,519	48	7	24
Y39TH	"	1,472	24	11	12
Y47PM	"	1,377	29	10	17
Y44WA	"	1,334	45	7	22
Y38WE	"	1,232	44	9	19
Y27ML	"	1,230	40	6	9
Y26IM	"	1,012	16	5	17
Y36RG	"	882	16	7	14
Y45VJ	"	756	12	10	11
Y33VL	28	1,500	38	8	12
Y24SG	**21**	**85,022**	**282**	**31**	**87**
Y22EK	**"**	**74,766**	**276**	**27**	**75**
Y37ZE	"	67,210	300	29	65
Y38ZB	"	8,037	83	16	31
Y46ZC	"	7,770	99	13	29
Y26DM/A	"	6,795	59	17	28
Y23VB	"	1,276	20	6	16
Y24GB/A	"	1,058	18	9	14
Y37RB	"	814	19	10	12
Y51TG	"	392	10	6	8
Y32KE	**14**	**174,608**	**223**	**27**	**85**
Y78XL	"	17,732	154	17	35
Y57VJ	"	11,078	76	20	38
Y25FF/A	"	9,000	102	14	36
Y48YN	"	4,880	57	15	25
Y41OH	"	4,160	70	10	22
Y21IC	"	3,276	43	13	23
Y23CJ	"	1,755	37	9	18
Y24HB	"	1,560	35	10	14
Y21UL	"	1,532	35	9	20
Y63VN	"	542	25	6	12
Y21WI	"	192	16	2	2
Y25DF/A	7	2,448	70	6	28
Y32FE	**3.7**	**15,936**	**324**	**9**	**39**
Y44UI	"	5,740	138	5	36
Y24RK	"	3,540	124	4	26
Y24FB	"	1,326	58	3	23

GREECE

SV1RP/SV7	7	12,050	241	9	41
J48CS	**1.8**	**20,160**	**273**	**13**	**47**

HUNGARY

HA4YO	**A**	**134,028**	**472**	**45**	**108**
HA8KVB	"	25,195	107	37	68
			(Opr. HA8RJ)		
HA9RG	**"**	**298,072**	**1151**	**34**	**118**
HA5HH	"	32,214	259	17	61
HA9RE	**7**	**247,680**	**1271**	**32**	**97**
HA4KYN	**3.7**	**109,368**	**973**	**20**	**73**
			(Opr. HA4XH)		
HA7UI	"	40,672	608	10	52
HA4KXR	"	10,693	324	5	32
			(Opr. HA8LKK)		
HA5MY	"	1,675	73	4	21

ICELAND

TF1PS	**A**	**451,173**	**1195**	**44**	**133**

IRELAND

EI9FN	**A**	**195,286**	**653**	**41**	**141**
EI4DW	"	189,415	514	49	166
EI1DH	**21**	**95,256**	**520**	**24**	**73**

ISLE OF MAN

GD4GWQ	**A**	**41,008**	**261**	**26**	**62**

ITALY

I5MXX	**A**	**2,368,330**	**2081**	**123**	**347**
IV3PRK	**"**	**2,026,634**	**1872**	**121**	**345**
IV3YYK	"	756,576	1052	96	237
IK2DZM	"	383,205	567	77	223
I2KYM	"	304,416	577	68	184
IKØDWN	"	234,320	495	62	170
I4CSP	"	158,193	420	56	161
IK1BBC	"	103,782	318	40	107
IK2DZN	"	96,538	313	50	108
IK6CNM	"	95,795	310	51	110
IK4CBM	"	55,342	277	26	92
IN3XUG	"	26,622	209	23	61
I8BYG	**28**	**76,110**	**564**	**26**	**60**
IØAMU	"	34,650	249	20	57
IK1HVN	"	10,716	130	13	44
I6YEF	"	5,796	68	14	22
I4LEC	**21**	**596,025**	**1620**	**36**	**99**
IK4AUY	"	444,150	1196	34	107
I5OYY	"	168,622	615	33	85
IO6FLD	**14**	**832,590**	**2141**	**38**	**136**
I1ZEU	"	496,860	1659	35	105
IK8ETA	"	229,770	917	29	106
IO8KPV	"	183,855	981	29	90
IV3BMV	"	41,184	318	18	54
I4VEQ	**7**	**425,799**	**1435**	**35**	**118**
IO3MAU	**3.7**	**137,907**	**1031**	**22**	**77**
IO3GBR	"	56,064	706	12	61
IK4FNC	"	55,130	588	14	60

Expedition of F6EXU (rear) and F6HRN to 4U1ITU.

LUXEMBOURG

LX1EA	**A**	**252,570**	**641**	**55**	**187**
LX1GQ	"	204,624	692	37	159
LX2QR	**14**	**64,484**	**419**	**24**	**70**
LXØRL	**7**	**206,763**	**1284**	**25**	**98**
			(Opr. DF7RX)		
LX9BV	**3.7**	**185,280**	**1527**	**19**	**77**
			(Opr. DL6RAI)		

MONACO

3A6F	**A**	**107,950**	**448**	**46**	**124**
			(Opr. 3A2LF)		

THE NETHERLANDS

PAØAGA	**A**	**1,160,712**	**1528**	**92**	**251**
PAØXPQ	**"**	**693,945**	**1224**	**73**	**161**
PA2SWL	"	195,936	646	68	140
PA3AIR	"	102,762	236	48	125
PAØQX	"	32,565	206	25	40
PA3BZV	"	26,190	163	28	62
PAØKDM	"	74,148	387	36	112
PAØYN	"	11,856	65	24	52
PA3BVM	"	5,684	89	12	46
PA3BNH	"	1,656	35	12	24
PAØZH	**28**	**18,546**	**153**	**19**	**47**
PAØDUO	"	15,600	99	18	35
PA3CZP	"	4,788	66	12	26
PA3CEF	**21**	**40,426**	**214**	**28**	**54**
PA2TMS	**3.7**	**151,065**	**1615**	**15**	**66**
PAØIJM	"	41,528	620	11	47

NORTHERN IRELAND

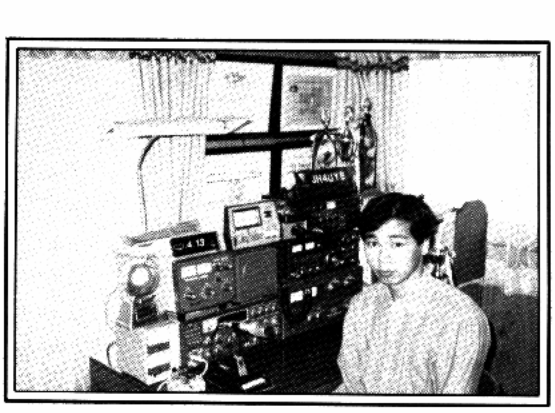
GI4MWA	28	817	21	8	11
GI3KDR	**14**	**45,375**	**321**	**22**	**53**
GI4BBY	**7**	**22,357**	**180**	**17**	**62**

NORWAY

LA4NL	**A**	**53,932**	**216**	**39**	**100**
LA6VFA	"	35,730	198	31	59
LA7SI	"	28,254	181	40	62
LA1KQ	"	11,200	157	28	36
LA4YW	"	7,215	91	20	45
LA9PEA	"	6,649	85	19	42
LA6ZFA	"	2,565	45	13	32
LA5UF	**21**	**322,420**	**959**	**32**	**103**
LA9ZV	"	101,184	333	35	89
LA1XDA	"	18,880	176	15	49
LA5XFA	"	8,526	87	13	36
LA2IZ	"	4,070	51	14	23
LA1MFA	**14**	**369,820**	**1249**	**31**	**79**
LA7MFA	"	121,500	654	25	83
LA8DY	"	64,372	470	19	57
LA2IE	"	16,383	150	14	29
LA9HW	**7**	**35,571**	**456**	**12**	**59**
LA9DI	"	12,900	159	13	47

POLAND

SP9HWN	**A**	**386,070**	**926**	**58**	**197**
SP6DVP	**"**	**243,552**	**619**	**67**	**191**
SP9DWT	**"**	**189,538**	**544**	**53**	**141**
SP9IGY	"	153,850	561	42	139
SP9AKD	"	119,352	408	52	144
SP9BLF	"	96,444	426	35	106
SP5LM	"	75,240	300	45	107
SP3DAH	"	66,030	310	39	103
SP9MAT	"	58,053	205	40	71
SP9MQH	"	51,525	217	34	49
SP3HBF	"	51,240	248	38	84
SP9EES	"	51,125	258	33	92
SP1DTG	"	39,312	233	32	93
SP7DZA	"	37,968	211	35	78
SP6JZG	"	36,519	237	25	86
SP3BYZ	"	27,948	160	22	68
SP9BRP	"	24,511	152	35	94
SP3IOE	"	22,947	260	44	129
SP6CIK	"	19,437	143	20	37
SP9ENV	"	18,605	173	17	44
SP3PJC	"	17,608	200	17	54
SP9DAE	"	13,608	86	28	53
SP5BNB	"	10,923	126	28	73
SP9GKC	"	9,240	136	13	43
SP3CDR	"	8,624	114	17	39
SP3CDC	"	7,800	55	18	22
SP7GAC	"	6,552	52	24	48
SP3KPN	"	3,634	68	15	31
SP3DIK	"	3,600	100	9	27
SP7GSM	"	3,555	155	9	28
SP7FQI	"	2,205	51	9	26
SP6KYA	"	2,040	97	10	30
SP3HC	"	1,696	39	12	20
SP3LPP	"	1,312	58	6	24
SP9LEM	"	1,026	31	7	20
SP6BFK	**28**	**7,830**	**97**	**14**	**31**
SP7NJX	**21**	**56,160**	**220**	**29**	**67**
SP7FWJ	"	55,328	244	27	64
SP5DIR	"	49,590	221	27	63
SP9KAR	"	36,260	221	24	46
SP9FTJ	"	29,520	138	24	56
SP9IWO	"	8,325	88	18	27
SP2GUB	"	7,266	53	16	26
SP5XD	"	7,182	73	16	26
SP3GRQ	"	5,428	46	13	23
SP9CAY	"	5,282	59	14	24
SP5ANJ	"	2,730	44	10	11
SP2ZFJ	**14**	**281,120**	**959**	**33**	**107**
SP4DGN	**"**	**259,776**	**768**	**36**	**108**
SP9KMM	"	140,070	630	31	84
			(Opr. SP7MTH)		
SP2AYC	"	103,452	555	25	86



JH4UYB, always with a good signal.

SP9MQE	"	30,014	231	23	63
SP6DNS	"	23,324	154	17	51
SP9AVZ	"	19,020	221	13	47
SP4HKN	"	16,182	167	15	43
SP9PRH	"	9,450	97	11	34
SP9ZD	"	6,560	97	12	28
SP3LPR	"	6,360	105	11	29
SP6JMV	"	4,738	68	11	35
SP9MQD	"	4,680	71	12	33
SP7EWX	"	2,886	55	9	17
SP9OJZ	"	2,848	43	7	25
SP3IBS	**7**	**114,588**	**681**	**28**	**80**
SP6IXF	"	28,500	232	13	63
SP6AGD	"	9,342	146	9	45
SP5GKI	"	4,998	83	9	40
SP2BKZ	"	3,276	89	6	30
SP6IHE	**3.7**	**82,705**	**825**	**17**	**68**
SP9AHB	**"**	**28,448**	**511**	**8**	**48**
SP9ODY	"	14,448	298	7	41
SP3NYC	"	7,680	190	5	35
SP9BMQ	"	6,878	171	6	32
SP5BLI	"	6,480	161	6	34
SP9KJM	"	3,915	149	4	23
SP6AUI	"	3,168	95	5	27
SP3BVI	"	2,368	80	5	27
SP3DFB	"	2,288	88	8	18
SP9MZP	"	2,072	77	4	24
SP9LAO	"	1,675	70	4	21
SP9LAM	"	1,482	60	4	22
SP3BQD	**1.8**	**21,056**	**270**	**12**	**52**
SP5INQ	"	13,944	228	11	45
SP9GDB	"	3,264	105	4	28

PORTUGAL

CT1CLR	**A**	**592,200**	**885**	**71**	**229**
CR2UA	**"**	**570,174**	**1427**	**49**	**114**
CT1AUW	**"**	**541,926**	**1288**	**59**	**179**
CS7TM	"	115,800	276	61	139
CT1COU	"	80,030	299	41	110
CT1BFN	"	76,560	236	48	117
CT1BOD	"	13,524	97	26	58
CT1BBJ	"	10,430	91	21	49
CT1AYE	"	5,974	87	18	40
CT1BMQ	**28**	**27,521**	**219**	**19**	**54**
CS4NH	**21**	**755,988**	**2158**	**35**	**111**
CT4KQ	"	278,132	1053	30	94
CT1AZS	"	17,040	117	21	50
CT1UO	"	4,444	61	13	31
CT1BOP	**14**	**111,000**	**509**	**26**	**74**
CR6BY	"	36,103	457	22	57
CT1DJN	"	14,518	168	11	50
CT1AEO	"	7,182	79	13	25
CT1CHU	"	7,080	89	11	29
CT1CIR	"	224	14	4	12
CT1AOZ	**7**	**122,720**	**519**	**24**	**80**
CT1DJK	"	1,225	46	4	21
CT1DRC	"	30	5	1	5
CT4AT	**1.8**	**17,350**	**171**	**11**	**39**

ROMANIA

Y09DIA	**A**	**180,320**	**588**	**47**	**149**
Y02ARV	"	45,598	318	13	105
Y04US	"	24,360	255	17	70
Y02AOB	"	23,265	129	31	68
Y09BVG	"	21,306	148	27	79
Y05BRZ	"	16,530	83	39	56
Y03HL	"	7,336	114	16	40
Y06VZ	**21**	**25,757**	**188**	**19**	**44**
Y02CMI	"	5,070	49	15	24
Y03DCO	"	4,500	39	17	22
Y06EZ	"	1,536	44	5	7
Y04JQ	**14**	**30,720**	**146**	**30**	**66**
Y06BQT	"	7,480	119	10	34
Y04AEQ	"	1,586	53	7	19
Y03JF	**7**	**80,127**	**607**	**20**	**67**
Y06BZL	"	25,012	281	13	61
Y08CAQ	"	1,944	57	7	20
Y02CJX	**3.7**	**6,006**	**155**	**9**	**30**

SARDINIA

IS0UWS	**A**	**31,037**	**99**	**30**	**147**

SCOTLAND

GM3BCL	**A**	**275,740**	**602**	**53**	**149**
GM4WEW	**"**	**233,120**	**625**	**42**	**146**
GM8SQ	"	1,122	24	9	8
GM4CHX	28	1,300	29	8	17
GM0AXY	21	4,756	66	11	18
GM3MOR	"	1,104	24	10	14
GM4JFS	**14**	**27,786**	**252**	**15**	**51**

SHETLAND ISLANDS

GM4GPN	**A**	**319,676**	**778**	**59**	**174**

SPAIN

ED1CI	**A**	**660,660**	**1079**	**74**	**211**
			(Opr. EA1CIM)		
EA3DZB	**"**	**431,256**	**962**	**57**	**147**
EA5CGU	**"**	**341,922**	**605**	**78**	**216**
EA5CIX	"	272,223	455	70	191
EA1BGT	"	244,316	586	58	148
EA7BHO	"	209,385	407	68	167
EA5FEX	"	194,812	411	62	164
EA5JC	"	182,784	464	66	168
EA1AW	"	166,336	412	60	166
EA7EHE	"	136,290	345	53	157
EA3DXD	"	135,400	403	47	153
EA5FCO	"	115,380	314	45	135
EA5AP	"	108,108	304	47	109
EA3EGI	"	102,600	318	51	129
EA5CXL	"	58,245	155	58	107
EA5CHT	"	51,750	224	39	86
EA7PS	"	50,690	182	48	89
EA1CVZ	"	49,969	244	36	71
EA7GCS	"	46,000	197	33	67
EA2BMA	"	40,608	148	37	69
EA5AEN	"	39,220	140	48	100
EA7DHP	"	37,206	135	38	79
EA5EFV	"	26,329	128	35	78
EA7DXR	"	24,459	137	29	64
EA2CR	"	22,357	158	18	61
EA3ESZ	"	19,404	124	30	54
EA5FMS	"	18,564	101	30	54
EA4EDI	"	17,388	119	29	55
EA1BMM	"	17,226	105	27	60
EA7ARK	"	16,564	105	30	71
EA7BYM	"	15,089	87	27	52
EA5DWQ	"	12,928	104	24	77
EA4DAN	"	12,782	63	31	46
EA5DNO	"	12,351	116	26	43
EA1BZI	"	11,972	82	25	57
EA5FYJ	"	8,385	65	31	34
EA7EBL	"	8,370	67	20	34
EA7FZY	"	7,181	109	13	30
EA4BJD	"	6,519	66	15	38
EA5DIJ	"	6,405	98	21	40
EA1AXF	"	6,390	81	12	33
EA7AZA	"	4,730	41	20	35
EA7FUN	"	3,969	37	22	27
EA7FQI	"	2,848	33	15	17
EA7CZR	"	2,772	84	10	23
EA1DHB	"	1,102	58	8	11
EA7CBE	"	144	6	3	6
EA3DBO	"	42	3	3	3
EA4EAP	**28**	**45,090**	**267**	**22**	**68**
EA1CDN	"	19,398	143	19	42
EA5FHE	"	14,520	135	19	41
EA3DZZ	"	14,364	219	15	39
EA5DIT	"	13,664	91	19	42
EA3ERT	"	9,381	156	12	41
EA3FHT	"	7,525	103	13	30
EA7FDW	"	5,110	64	14	21
EA3PE	"	4,720	80	11	29
EA5FNE	"	4,320	51	13	19
EA5BZS	"	2,884	68	7	21
EA4CMF	"	2,850	35	14	24
EA3FWO	"	2,706	52	11	22
EA4AXI	"	1,000	20	9	16
EA3FIM	"	285	13	6	9
EA1BIM	**21**	**62,640**	**239**	**30**	**78**
EA3FWE	**"**	**61,200**	**299**	**28**	**74**
EA3ELM	"	53,392	246	25	69
EA7AVU	"	48,910	375	19	48
EC4CPK	"	35,908	244	25	69
EA5DCL	"	33,117	161	22	61
EA5CTZ	"	20,220	190	17	43
EA1ECB	"	12,411	83	21	42
EA1CNO	"	12,408	80	20	46
EC4CNA	"	11,102	89	16	45
EC3CJN	"	9,576	105	15	41
EA3CZM	"	4,992	48	17	31
EC5CCG	"	4,452	68	14	28
EA7FLU	"	144	6	3	5
EA3AAY	**14**	**213,282**	**948**	**31**	**92**
EA3FJM	**"**	**62,040**	**401**	**21**	**67**
EA3DEE	"	33,228	234	21	57
EA1DFH	"	23,606	213	18	56
EA3FKC	"	20,724	173	16	50
EA3DVJ	"	9,760	149	12	28
EA3EXW	"	5,848	76	11	32
EA1BDB	**7**	**41,760**	**292**	**16**	**64**
EA1SQ	3.7	6,625	102	10	43

SWEDEN

SM5AOE	**A**	**811,156**	**1128**	**86**	**212**
SM3BIZ	**"**	**578,534**	**963**	**69**	**213**
SM7WT	**"**	**469,898**	**604**	**89**	**252**
SM6BJI	"	365,523	672	70	197
SM6LIF	"	211,142	404	61	132
SM0CJZ	"	133,730	298	57	158
SM7DXQ	"	103,785	275	49	116
SM0BDS	"	37,350	173	32	56
SM7FHJ	"	29,832	203	31	57
SM3RAB	"	28,800	191	33	54
SM5DAC	"	13,770	115	32	120
SM6CNX	"	11,760	75	27	53
SM7BEX	"	6,048	65	16	40
SM7BGF	"	1,008	18	12	12
SM0JOQ	28	3,060	43	9	25
SM5DYC	"	2,400	37	10	20
SM7MXP	"	1,320	30	8	16
SM4CMG	"	1,224	26	9	15
SM4POB	"	594	13	10	12
SM0JXA	"	28	3	2	2
SM5FUG	21	9,072	76	15	27
SM5CSS	"	5,612	38	22	33
SM6IJF	"	5,040	93	10	23
SM7CNA	"	3,762	40	20	37
SM4GNU	**14**	**652,188**	**1895**	**34**	**105**
SK0UX	**"**	**598,476**	**1596**	**37**	**122**
			(Opr. G4JVG)		
SK4EA	"	336,819	1256	29	100
			(Opr. SM0GOQ)		
SK2KW	"	144,700	597	28	72
			(Opr. SM2KWQ)		
SK0LM	"	115,453	722	21	62
			(Opr. SM0DRD)		
SK3AH	"	28,186	295	13	21
			(Opr. SM3COL)		
SM7TV	"	22,555	210	16	49
SM0TW	"	9,682	86	17	30
SM3LIV	"	8,272	105	14	33
SM6CDN	"	1,675	34	9	16
SM6JY	"	400	15	6	10
SM5AQD	**7**	**199,332**	**946**	**32**	**94**
SM6FJY	"	5,535	105	11	30
SM2EKM	**3.7**	**89,965**	**431**	**27**	**68**
SM7CRW	"	45,824	417	12	52
SM6BGG	"	17,141	125	15	46
SM7IIZ	"	9,812	215	7	37

SWITZERLAND

HB9AAA	**A**	**119,464**	**332**	**46**	**91**
HB9DFY	"	113,307	358	34	145
HB9DDZ	"	68,544	218	44	124
HB9AYZ	"	19,292	119	29	62
HB9DCZ	**21**	**62,560**	**209**	**31**	**84**
HB9DX	"	25,016	87	34	84

WALES

GW4RHW	**14**	**155,958**	**798**	**25**	**77**
GW4VEQ	**3.7**	**123,670**	**906**	**17**	**63**

YUGOSLAVIA

YT3M	**A**	**2,898,336**	**2895**	**105**	**294**
			(Opr. YU3ZD)		
YU3EF	**"**	**829,512**	**1134**	**88**	**281**
YU7BW	"	761,876	1196	79	237
YU3QI	"	492,704	832	84	262
YU2OB	"	376,380	626	72	198
YU7MGU	"	177,192	506	53	161
YU7SF	"	104,210	404	40	130
YU1ATA	"	10,080	97	23	49
YU1PCI	"	7,049	58	22	31
YT3EW	**28**	**82,719**	**407**	**27**	**64**
YU1HA	"	47,763	333	20	67
YU2LRU	"	23,115	172	21	46
YU2LLL	"	2,888	53	11	19
4N3E	**21**	**759,437**	**1876**	**39**	**122**
4N4C	**"**	**547,755**	**1315**	**36**	**123**
YU1DX	**"**	**515,520**	**1446**	**38**	**106**
YU2NA	"	379,550	1183	32	103
YU4YA	"	256,040	798	35	113
YU2OM	"	128,161	536	27	66
YU3CK	**14**	**121,932**	**663**	**24**	**84**
YU1PJ	"	540	20	5	7
YU4ELS	**7**	**135,432**	**721**	**23**	**85**
			(Opr. YU4VQT)		
YU4EZS	"	9,720	177	9	45
YU3BQ	**3.7**	**72,072**	**856**	**13**	**59**
YU2QU	**"**	**72,064**	**549**	**10**	**54**
4N4A	"	60,345	629	16	65
YU2BST	"	20,484	351	8	48
YU2TW	**1.8**	**22,302**	**225**	**12**	**51**

U.S.S.R. EUROPEAN

BYELO-RUSSIA

UC2IDC	**A**	**181,251**	**734**	**48**	**141**
UC2ACZ	"	37,632	176	33	65
RC2AB	"	18,676	119	30	62
UC2AFA	**21**	**64,080**	**344**	**28**	**62**
UC2WO	"	40,480	207	27	61
UC2AA	**14**	**698,400**	**2034**	**36**	**124**
RC2CC	"	38,592	246	20	52
UC2ACT	**3.7**	**16,464**	**293**	**6**	**43**
UC2LB	**1.8**	**5,904**	**134**	**7**	**34**

ESTONIA

UR2RER	**A**	**274,214**	**451**	**87**	**253**
UR2RNG	"	16,740	129	22	71
UR2DL	"	8,056	76	16	22
UR2RZ	**14**	**82,650**	**452**	**22**	**73**
RR2RT	"	7,728	90	13	33
RR2RN	**3.7**	**48,093**	**590**	**15**	**54**

EUROPEAN RUSSIA

UA4RZ	**A**	**2,437,050**	**2419**	**120**	**342**
UA3RAR	**"**	**1,038,445**	**1595**	**83**	**240**
UA4NC	**"**	**656,200**	**870**	**109**	**316**
RA3RR	"	393,216	821	74	182
UA6ADC	"	324,972	1066	51	126
RW3DW	"	256,564	619	62	176
RA3QW	"	199,683	519	63	155
UW3RR	"	171,228	541	53	175
RW3DR	"	147,960	397	56	146
UV6AY	"	145,187	525	40	113
UA3PP	"	132,076	505	44	134
UA6LHU	"	100,650	386	46	119
UW1BM	"	89,700	361	38	118
UA3VFS	"	79,993	402	45	122
RA1AA	"	58,079	252	36	87
UA4CO	"	52,360	198	46	90
UA3XBB	"	47,168	192	40	94
UV3MM	"	45,360	217	33	87
RA3RN	"	36,120	154	30	80
UA3ASL	"	34,944	208	25	59
UA1OMW	"	26,244	152	25	83
UA6LIG	"	24,682	270	19	63
UA3ATV	"	22,881	132	24	63
UA3ALX	"	18,696	144	19	57
UA4ANZ	"	11,532	127	17	45
UV3NB	"	9,880	115	15	50
UA1ANA	"	9,656	110	19	49
RA3DAD	"	9,072	81	20	36
UA3ARI	"	5,130	69	16	41
UA3TGO	"	1,053	32	7	20
UA6LQ	**28**	**189,306**	**945**	**31**	**86**
UA6BPM	"	4,641	99	10	29
RA3QOC	"	2,800	86	6	22
RA3DAV	"	2,640	60	7	26
RA3DQP	"	1200	38	7	17
UA4HNP	**21**	**194,224**	**770**	**30**	**92**
UZ6HR	"	144,780	613	30	84
UW3EQ	"	129,739	459	35	102
UA6HRZ	"	121,990	527	32	78
UW3UO	"	54,275	383	17	48
UW1AE	"	48,692	235	25	69
UA3XDS	"	38,947	184	23	56
RV6AA	"	28,560	262	19	60
RA3VA	"	27,384	181	19	65
RA3DNC	"	17,886	166	20	46
UA3TG	"	18,998	220	15	44
UA1ZD	"	17,732	243	21	31
RW4CA	"	10,348	137	16	36
UA3TAM	"	9,840	205	7	41
UA3THQ	"	8,228	119	11	33
UA6LTA	"	6,536	112	11	32
RA3RC	"	4,727	57	12	17
UA3MBE	"	2,346	50	7	10
UA4LCH	**14**	**294,140**	**1188**	**35**	**105**
UA4CED	"	69,870	407	29	73
UV3TE	"	55,811	444	34	33
UA1MU	"	21,384	297	21	51
UA4AO	"	1,855	32	14	21
UA4WA	**7**	**126,651**	**613**	**29**	**82**
UA3XDM	"	94,320	461	29	91
UA3TEP	"	19,520	212	14	47
UA1QQ	"	12,896	210	11	41
UA3DRB	**3.7**	**28,776**	**332**	**12**	**54**
UA4PMI	"	27,300	353	12	53
UA3AHM	"	22,428	200	13	50

FRANZ JOSEF LAND

UV1OO	**A**	**207,350**	**775**	**42**	**88**

KALININGRAD

UA2EC	**A**	**150,894**	**423**	**50**	**152**

KARELIA

RA1NA	**A**	**279,888**	**797**	**59**	**179**

LATVIA

UQ2GIP	A	3,636	39	16	20
UQ2GLW	**21**	**57,900**	**343**	**30**	**70**
UQ2GCP	"	44,548	233	26	60
UQ2GW	"	3,478	36	14	23

LITHUANIA

UP3BH	**A**	**889,252**	**1316**	**88**	**261**
UP2BR	**"**	**358,614**	**593**	**70**	**191**
UP3BU	"	325,628	897	63	191
UP3BP	"	321,310	808	63	167
UP3BA	"	262,430	857	52	178
UP2BBF	"	244,883	675	59	174
UP2BW	"	237,120	630	47	105
UP2BNC	"	62,992	388	26	98
UP2DM	"	57,088	173	47	81
UP2BBD	"	26,037	203	31	68
UP2BDO	"	16,490	126	28	69
UP2BB	"	11,169	117	17	56
UP2NK	**28**	**73,538**	**434**	**22**	**61**
UP3BI	**21**	**197,076**	**713**	**31**	**101**
UP2BNE	"	16,983	121	18	33
UP2AV	"	14,520	115	20	40
UP2ND	"	6,424	70	15	29
UP2PCI	**14**	**328,848**	**1368**	**33**	**103**
UP2OI	**"**	**210,672**	**974**	**29**	**97**
UP3BX	"	83,460	475	26	81
UP2BLQ	"	9,456	133	13	35
UP2BLE	**7**	**13,237**	**153**	**12**	**49**
UP2BQQ	1.8	416	33	3	10
RP2BID	"	78	7	2	6

MOLDAVIA

UO5OV	A	33,792	148	39	93
UO5OAK	14	17,820	150	15	40
UO5GR	**3.7**	**12,760**	**171**	**11**	**44**

UKRAINE

RB5MF	**A**	**1,566,873**	**2003**	**102**	**297**
RB5DX	**"**	**1,506,720**	**1946**	**103**	**327**
UT4UX	"	532,608	1025	82	226
RB5IJ	"	461,266	849	78	236
RB5WW	"	251,968	504	66	182
UT5RY	"	248,084	731	50	168
UB5KN	"	202,477	537	66	167
UY5TE	"	199,500	579	53	175
RB5IA	"	176,440	490	56	164
RB5NT	"	98,258	356	42	104
UB5JB	"	95,865	375	41	124
UB5ML	"	68,880	277	32	91
UB4MF	"	48,260	309	27	90
UB5ENI	"	19,440	140	25	56
UB5IPN	"	6,178	99	11	30
UB5FCE	"	5,115	91	23	32
UT5HP	"	513	15	6	13
RB4JF	**28**	**61,152**	**467**	**23**	**51**
UB5CDF	"	45,045	298	21	56
RB5TW	"	37,525	225	23	56
RB5CCO	"	18,410	140	22	48
RT5UO	"	8,424	98	16	36
UB5VCK	"	5,590	78	11	32
RB5UCY	"	2,291	48	8	21
UB5ITW	**21**	**261,876**	**802**	**36**	**103**
UT4UO	"	155,325	570	32	77
UB5IAL	"	113,088	546	32	61
UB5TCS	"	85,078	357	28	75
UB5EJB	"	24,704	202	17	46
UB5FDM	"	19,712	178	17	47
UB5JDM	"	14,350	117	19	51
RB5VZ	"	1872	30	12	14
RB5EG	**14**	**84,094**	**505**	**26**	**72**
RB5JX	"	26,673	315	16	34
UB5CN	"	23,958	214	15	51
UB5VAA	"	20,878	179	19	54
RB5MR	**7**	**178,717**	**812**	**30**	**91**
RB4IQZ	"	85,975	636	22	73
UB5QMA	"	27,968	253	18	58
RB5IQ	"	12,566	143	12	49
RB5VA	**3.7**	**54,150**	**618**	**14**	**61**
UB5IKB	**"**	**30,459**	**348**	**16**	**55**
UB5LCV	"	24,510	359	9	48
UT4UR	"	14,352	290	7	39
UB5MX	"	11,234	196	7	34
RB5SA	"	8,865	187	8	37
UB5MLP	"	5,616	119	7	32
UB5EEP	"	2,117	64	7	22
UB5SDX	1.8	4,400	81	10	34
RB5QCJ	"	360	11	4	9

OCEANIA

AUSTRALIA

VK2KL	**A**	**1,816,920**	**2147**	**104**	**190**
VK4BJD	"	231,957	398	78	135
VK3PU	"	120,582	235	68	106
VK2AYK	"	88,572	265	48	73
VK5ZN	"	59,605	250	34	57
VK8OB	"	10,738	70	18	34
VK6HD	**28**	**269,973**	**933**	**21**	**78**
VK4KWO	**21**	**69,747**	**368**	**24**	**43**
VK2APK	**14**	**242,176**	**677**	**33**	**95**
VK3SM	"	52,528	187	29	69
VK5QX	"	651	31	4	3
VK2EKY	**7**	**103,230**	**381**	**29**	**64**
VK3BEE	1.8	1,575	16	5	7

FRENCH POLYNESIA

FO5GW	**28**	**57,782**	**689**	**14**	**19**

GUAM

NY6M					
/KH2	**14**	**196,588**	**591**	**33**	**86**
KG6DX	**3.7**	**41,768**	**245**	**24**	**39**

HAWAII

WR6R					
/KH6	**A**	**3,937,192**	**3829**	**120**	**214**
AH6FL	**21**	**143,864**	**869**	**20**	**36**
KH6CC	**1.8**	**45,828**	**402**	**14**	**24**

INDONESIA

Y88ARA	**A**	**2,374,560**	**2258**	**110**	**250**
YB4FW	"	528,115	940	69	122
YB5QZ	"	314,754	534	77	132
YB5NCF	"	272,182	496	61	133
YB8VM	"	54,528	152	48	80
YB3EP	"	1,404	21	16	23
YC0EJG	**21**	**509,888**	**1395**	**32**	**92**
YC2CTW	**"**	**402,498**	**1160**	**30**	**88**
YC4GAP	"	249,240	713	33	87
YC3HCM	"	246,471	964	30	57
YC3BXK/8	"	47,136	174	33	63
YC0LWA	"	27,403	135	22	45
YC1IOI	"	27,132	125	27	49
YC2GHE	"	22,243	131	19	40
YC0KVG	"	22,040	190	10	30
YC2OK	"	1,300	20	10	16

MINAMI TORISHIMA

7J1ACH	**A**	**970,324**	**1590**	**87**	**125**
			(Opr. NJ7D)		

NEW ZEALAND

ZL1BZC	**A**	**195,156**	**572**	**45**	**72**
ZL1IM	"	84,778	309	51	46
ZL4BO	**3.7**	**49,324**	**236**	**23**	**53**
ZL1BOQ	"	7,392	57	21	27

NORFOLK ISLAND

VK9NS	**A**	**4,766,779**	**4170**	**129**	**268**

PHILIPPINES

K4YT/4D9	**A**	**3,086,770**	**2575**	**129**	**286**
K1BAZ					
/DV1	"	278,307	912	59	107
DU1TV	**14**	**42,744**	**195**	**25**	**53**

TUVALU

T2ARY	**A**	**1,831,886**	**2678**	**88**	**150**
			(Opr. DH1RY)		

Say You Saw It In CQ

SOUTH AMERICA

ANTARCTICA

DP0GVN	14	113,085	360	29	76

ARGENTINA

LU4LAV	A	1,329,042	2399	95	190
AZ1ARU	"	271,740	668	54	86
			(Opr. LU2DX)		
LU9DBK	"	134,442	462	40	59
LU1E	28	754,490	2329	26	84
			(Opr. LU3AJW)		
LU2E	"	514,180	1858	25	69
LU6FEC	"	452,985	1521	26	75
L4H	"	252,639	1073	22	59
LU8AJK	"	220,890	1037	23	51
LU6EJP	"	153,525	750	23	46
LU2DGZ	"	8,256	75	14	29
KØTO/LU	"	5,590	147	7	6
LU3MDO	21	945,974	2188	35	112
VP2ML/LU	"	6,208	69	9	23
LU8AE	"	2,457	43	13	14
LU4MEE	14	573,300	1426	39	101
LU1YU	"	17,766	140	19	28
LU5UL	7	214,228	768	30	68

BRAZIL

PY7ZZ	A	1,094,808	1422	78	186
PY4OY	"	931,224	1171	76	200
PT7CB	"	235,458	398	71	135
PT2TD	"	148,029	423	52	81
ZV2BW	"	126,224	281	65	119
PY4BA	"	90,334	343	32	62
PY1ZT	"	19,307	161	43	43
PY6YZ	"	13,644	131	21	20
PY1TIA	"	3,234	39	21	21
PY3CM	"	54	3	3	3
ZY5IW	28	728,280	1982	30	96
PY1LI	"	85,125	408	26	49
PT7CB	"	74,451	308	24	59
PY1ADE	"	64,350	315	28	47
PY2ZM	"	34,584	202	25	41
ZZ5EG	21	2,184,570	4236	36	138
			(Opr. N5FA)		
ZV7BZ	"	119,988	411	28	73
PT2ALD	"	8,056	79	15	23
PY5NF	"	5,069	47	13	24
PY5EG	14	899,085	1856	37	128
			(Opr. PY5ALP)		
PY1BKA	"	8,030	63	22	33
ZY5EG	7	473,634	1182	36	111

CHILE

CE3FIP	A	3,643,269	3155	122	275
CE3BFZ	"	1,420,540	1989	83	159
CE5CNT	"	112,096	320	53	71
CE3BYL	"	83,633	245	63	114
3G3Z	28	304,080	1233	23	61
			(Opr. CE3ZI)		
CE6DAQ	"	83,391	506	18	39
CE3GWO	"	5,420	92	8	9
CE6EZ	21	1,008,484	2409	30	112
CE4FXY	"	885,354	2552	30	88
3G3N	14	472,386	1293	31	100
			(Opr. CE3NR)		
CE5BSS	"	11,712	76	26	35

COLOMBIA

HK3BED	A	1,405,396	1657	96	196
HK2LSC	"	60,669	215	39	68
HK6BER	"	42,375	172	42	83
HK1LDG	21	166,497	811	20	49
HK6HFY	"	57,120	265	19	61
HK3JJH	"	36,160	202	17	47
HK1KYR	"	23,034	123	20	46
HK1HHX	7	244,500	869	24	76

EASTER ISLAND

CE0ZIJ	14	371,246	1077	33	89

ECUADOR

HC5EA	28	379,850	1211	30	77
HC1TQ	"	15,317	126	18	35
HC1HV	3.7	34,465	208	18	43

FRENCH GUYANA

FY5YE	A	6,484,830	4764	118	355
			(Opr. OH0XX)		

GUYANA

8R1X	A	8,940,450	5423	147	423
			(Opr. NQ4I)		

NETHERLANDS ANTILLES

P40A	A	8,172,930	4984	146	409
			(Opr. N1GL)		
PJ2FR	"	6,925,920	4911	142	338
			(Opr. K4JPD)		

PARAGUAY

ZP5JCY	21	1,707,888	3715	33	123

PERU

OA4ZV	A	1,907,765	2270	97	198
OA4ED	"	59,094	309	44	90

SAN ANDRES ISLAND

N3JT /HK0	A	2,756,520	4711	73	187

TRINIDAD-TOBAGO

9Y4AT	21	1,106,145	2683	35	106

URUGUAY

CX9CO	A	1,731,184	1648	104	260
CX2AAL	28	342,054	1250	25	68

VENEZUELA

4M4A	A	1,831,467	2487	88	165
			(Opr. K3UDC)		
YU5IAL	"	505,230	1038	53	112
OA4BOF /YV4	"	25,194	96	46	68
YV5EF	"	1,325	19	9	16
4M7A	28	604,608	2152	27	69
			(Opr. YV7QP)		
YV6PM	"	320,705	1433	26	51
YY1C	21	93,227	589	17	36
			(Opr. YV1CP)		
YW1A	14	1,002,592	2190	33	119
			(Opr. YV1AVQ)		
YV3BKC	"	176,734	622	28	69
YY1DOB	"	22,072	140	13	49
YV6BTF	7	230,724	780	27	105
YW5D	"	141,900	444	25	85
YV5CMI	1.8	3,010	72	5	9

MULTI-OPERATOR SINGLE-TRANSMITTER NORTH AMERICA

UNITED STATES

K1AR	3,511,632	2039	139	457
K1YR	2,750,368	1978	122	366
K1RQ	2,436,902	1752	123	371
NB1H	2,165,792	1735	109	315
K1TO	1,570,752	1359	100	304
KM1C	1,234,240	1112	109	297
KG1D	913,653	933	95	255
K1ST	524,628	568	93	249
W1YK	487,046	663	81	185
W1RR	441,530	489	91	244
KD2EU/1	341,000	487	68	182
W1BK	215,800	333	77	183
KT1O	177,156	298	65	157
K1KI	25,192	106	35	59
K1TR	15,664	78	34	55
KQ1F	15,323	76	27	50
N2ME	3,973,546	2146	146	500
WB2ULI	2,655,537	1743	135	386
KU2C	2,349,027	1608	129	384
W2VJN	1,651,260	1326	114	321
KQ2O	905,535	1083	78	217
W2RR	496,671	522	97	256
W2UI	367,715	512	69	182
K2TD	122,400	229	61	139
WB2LVC	67,068	324	58	149
N2FHK	15,194	214	26	45
N3RS	3,929,396	2742	146	482
K3TUP	2,356,415	1732	114	357
K3WW	2,063,936	1357	135	408
AA1K/3	1,946,148	1402	130	378
WA3SPJ	1,311,240	1149	117	303
W3AP	1,186,146	1022	125	286
WA3EUL	873,948	788	105	297
N3EC	746,746	710	95	278
K3JEI	140,767	270	60	131
W3NX	82,720	196	54	106
KX4S	4,335,969	2354	151	498
N4WW	3,623,833	2044	155	476
N4ZC	3,587,985	1968	149	490
N4RJ	2,771,400	1782	141	455
W4XJ	1,553,418	1260	118	328
WI4R	1,088,610	1016	112	281
WB4PRX	888,384	754	119	329
WA4QQV	878,490	858	106	281
K8UNP/4	578,646	597	101	265
KB4IT	245,872	380	75	167
N4KZR	204,594	445	57	126
KJ4KS	204,010	327	68	162
N4HOH	166,254	258	71	158
N4TL	130,112	238	75	139
WS4E	126,202	255	59	119
KD4OM	121,747	215	68	143
WA4YLD	120,581	257	58	115
K4ZCQ	120,546	250	52	129
WB4GNT	54,180	150	43	97
W4DO	41,409	139	38	69
W4OWJ	33,855	128	46	65
W4W[illegible]	31,416	113	30	72
WA4CTC	14,484	74	20	51
KB4FO	3,403	39	16	25
W5WMU	3,239,474	2076	137	416
N3BB/5	2,034,894	1562	129	329
KC5DX	832,714	981	104	245
WC5Y	687,258	838	93	204
W5JDY	477,996	795	81	163
NF7T/5	464,653	636	95	192
K5RVK	460,795	1291	123	124
K5BDA	8,528	71	11	41
N6ND	3,180,950	1995	153	410
W6TMD	1,958,503	1563	130	313
WC6H	1,474,780	1368	116	264
W6GO	1,125,396	1066	121	266
NB6L	1,019,919	1023	110	249
W6BIP	840,140	845	110	243
N6ADI	783,300	828	119	212
WX6M	582,435	743	102	199
K6XO	550,563	791	91	156
KE6WL	341,550	454	96	174
W6KCB	308,654	560	61	133
AG6D	288,648	470	84	144
N6MB	245,575	415	74	135
N6CC	200,128	354	82	130
WV6N	183,111	338	72	129
KG6AO	148,005	332	65	100
W6JTI	140,238	319	69	90
KC7V	2,149,780	1656	134	336
W7ZR	1,723,524	1701	122	241
K7LXC	1,538,988	1360	120	273
N7RO	1,276,464	1166	126	267
KA6V/7	337,322	553	87	140
K7ABV	315,900	689	52	110
KC7MM	309,092	608	70	126
W8CZN	2,509,501	1794	135	356
N8CXX	2,005,602	1481	121	361
KE8FX	748,713	765	103	250
KS9K	3,236,112	1904	147	447
KQ9L	825,588	908	104	238
NB9C	624,351	835	74	199
KD9ST	299,472	706	56	148
K4VX/0	3,490,576	2033	154	472
ND0E	1,638,934	1306	137	314
KF0H	1,217,370	1122	111	274
W0XK	768,496	810	102	242
KR0B	733,488	761	103	251
N0GA	449,616	546	89	215
N0DPS	286,101	411	81	168
WB0HCH	251,040	404	75	165
KB0KK	70,064	178	58	93
W0QQQ	40,061	150	30	67

ALASKA

KL7HFA	1,315,008	2490	79	137
AL7FQ	1,191,632	2457	74	134
WL7K	440,394	1031	64	110

ANGUILLA

VP2EC	11,547,536	6484	163	558

BERMUDA

N4SF/VP9	3,680,532	4951	91	227

CANADA

VE3BVD	6,131,169	4307	141	420
VE4ALO	1,644,104	2427	96	212
VE1MUF	598,104	1097	63	153
VE5GF	512,082	1102	79	139
VE4UM	430,440	1104	59	111
VE1CIT	366,068	998	38	135
VE3HUM	101,016	420	25	67
VE6CIZ	62,488	239	39	59

MEXICO

4C2C	1,234,539	2614	81	148

NICARAGUA

WB0NAA/YN1	1,148,160	2446	71	137

PANAMA

HP8BBM	20,448	111	30	42

PUERTO RICO

KP4BZ	10,596,868	7009	152	492

ST. MAARTIN

PJ0J	3,300,254	4230	93	241

AFRICA

CANARY ISLANDS

EA8LS	2,479,542	2148	99	294

REUNION ISLAND

FR/W6OL	513,820	842	71	160

ASIA

HONG KONG

VS6DO	2,458,932	3444	136	265

JAPAN

JA1YYE	2,759,525	2278	144	281
JA1YAD	1,041,806	1096	118	228
JR1ZTI	583,120	703	108	188
JA1YFG	268,048	546	64	112
JE2YRD	2,681,560	2015	147	341
JA2YEF	354,564	656	77	119
JA2YDC	229,500	514	72	98
JA3YQP	586,117	979	78	139
JA3YDS	45,684	198	28	53
JA4YPE	108,698	306	54	85
JA6YAI	2,350,358	1839	134	320
JH6ZHH	107,865	310	47	88
JH7YJF	2,709,977	2237	133	288
JA7YAB	308,250	504	81	144
JR7YCM	66,646	252	38	56
JA8YBY	529,419	730	84	79
JA8YCX	20,068	136	22	36
JA0YAK	2,171,988	1733	143	299

KOREA

HL9OS	585,600	1272	68	124

PEOPLES REPUBLIC OF CHINA

BY1PK	1,182,104	2475	93	173
BY4AA	919,056	2059	94	152
BY5QA	257,621	1350	61	88
BY4SZ	75,276	808	41	37

THAILAND

HS0A	2,350,892	2985	116	272

TURKEY

TA2KB	68,956	760	40	107

U.S.S.R. ASIA

ARMENIA

UG7GWB	313,257	732	38	109

ASIATIC RUSSIA

UZ9AYA	3,396,858	2439	125	373
UZ9WWS	1,227,657	1505	82	227
UZ9XXM	437,525	904	47	138
UV9UWW	405,260	950	81	149
UZ9CYP	374,808	747	45	149
UZ9XWV	193,402	495	46	103
UZ9XWH	156,780	465	38	96
UZ9CWX	59,592	239	28	76
UZ9CWQ	22,600	200	10	13

KAZAKH

RL8PYL	6,839,676	4640	153	473
UL8FWT	219,716	659	41	92
UL8LWA	196,416	615	40	87
UL8CWW	152,823	474	31	90

EUROPE

ANDORRA

C31LDL	3,619,928	3637	121	361

AUSTRIA

OE5VBL	133,980	625	46	128

BELGIUM

ON6MH	983,390	1355	82	208

BULGARIA

LZ7A	7,711,234	5031	164	509
LZ1KSN	1,244,864	2156	96	271
LZ1KVZ	565,914	1485	68	189
LZ1KGB	279,522	1186	32	74
LZ1KEZ	248,472	564	65	167
LZ1KNP	159,225	463	47	146

CRETE

J49A	1,752,408	3137	93	305

CZECHOSLOVAKIA

OK3KII	2,274,209	2144	124	369
OK3KCM	1,683,738	2098	105	414
OK3KAG	1,450,990	2103	95	314
OK2RAB	900,320	1428	89	251
OK1DRA	210,210	679	44	138
OK2KNP	25,608	272	21	67
OK2KJU	13,804	110	24	34
OK2KNC	8,370	69	21	33
OK2KPS	1,400	46	5	20

DENMARK

OZ1KWC	435,784	889	66	178

ENGLAND

G3NAS	2,775,216	2585	107	349

FINLAND

OH7AI	722,850	1055	90	276
OH9AR	400,288	1016	51	173
OH6AT	378	19	3	4

FRANCE

F6BEE	6,022,130	4211	139	451
F6IFR/p	517,712	993	66	181

GERMANY (FRG)

DK1QH	1,764,536	2306	95	272
DF0BV	1,473,636	1506	113	331
DL3MAA	1,048,332	1219	104	335
DL0JK	949,864	1312	80	216
DL0WH	875,524	1126	82	216
DL0JU	857,485	1046	90	227
DL0UM	472,578	809	65	172
DL0TP	225,750	557	72	143

GERMANY (GDR)

Y34K	7,012,140	4994	141	429
Y22YD	883,449	1494	93	240
Y54ZL	247,544	652	59	173
Y49ZF	180,184	638	51	151
Y22TF	1,904	63	9	25

HUNGARY

HG5A	6,633,882	4768	144	462
HG6N	6,123,610	4434	137	453
HG9R	5,962,537	4350	150	493
HG7B	5,395,550	4167	144	446
HA5KKC	2,187,588	2598	95	284
HG1S	1,379,116	2361	74	218
HA2KMR	1,242,826	1963	85	253
HA8KWG	1,072,497	1616	10[illegible]	292
HA5KDB	996,012	1942	79	213
HA3KNA	983,003	1646	97	264
HA5KFL	492,507	1008	69	192
HA5KAG	381,990	860	42	198
HA8KZC	201,435	593	53	142
HA6KNX	87,381	436	38	95
HA2KPA	16,188	209	17	54

IRELAND

EI1AA	2,085,594	2399	86	271

ITALY

I5NPH	9,368,892	5209	164	538
I2UIY	2,448,290	2049	121	388
IK6CGO	1,819,121	1991	83	290
I2MQP	1,689,473	2070	105	316
IK2ASH	365,310	605	70	200

LIECHTENSTEIN

HB0/HB9BHA	2,161,352	2291	100	312

NETHERLANDS

PA0KHS	730,728	1212	86	220

NORWAY

LA2AB	2,061,242	2372	108	290
LA1K	561,870	1257	62	208

POLAND

SP5PBE	1,235,464	1561	102	287
SP9PDF	368,352	716	86	202
SP9KOU	303,688	724	59	173
SP1PBW	236,643	673	56	157
SP5ZIM	141,404	519	53	159
SP2KFV	80,631	353	45	108
SP9PDJ/9	32,046	244	23	86
SP6PBQ	10,207	92	21	38
SP5PKN	5,042	130	27	68

PORTUGAL

CR1REP	24,128	137	33	71

ROMANIA

Y06KBM	89,125	397	63	92

SCOTLAND

GM0BRS	1,390,095	2020	73	242

SICILY

IT9CHU	696,486	1309	75	234

SPAIN

ED7BB	4,486,446	3415	126	436
EA3CCN	2,426,135	2346	116	363
ED3QD	871,008	1861	67	191
EA1BCF	163,944	425	54	130
EA5FCM	28,116	154	34	65

SWEDEN

SK6RR	2,441,368	2753	96	280
SK6AW	981,749	1413	81	236
SM5AZU	61,880	218	37	103

SWITZERLAND

HB9BOU	2,585,460	2225	129	363
HB9AUS	1,198,920	1535	113	299
HB9CXZ	971,520	1277	93	291
HB9GT	424,340	913	68	177

Say You Saw It In CQ

UN GENEVA

4U1ITU	1,349,898	2219	84	255

UN VIENNA

4U1VIC	1,854,142	2222	105	356

YUGOSLAVIA

YT2R	3,526,152	2888	141	415
YU3AI	2,339,904	2770	85	251
4N2M	219,735	423	82	175
YU4BAB	131,313	523	40	129

U.S.S.R. EUROPEAN

BYELO-RUSSIA

UC1AWC	1,461,250	2239	85	255
UC1AWZ	18,144	191	23	58
UC1WWY	5,625	81	19	26
UC1AWU	1,368	49	10	14
UC1WWC	1,280	34	11	21

ESTONIA

UR1RWX	4,573,730	3415	149	437
UR1RWW	934,912	1424	90	242
UR1RYY	740,868	1451	73	248
UR1RXL	78,840	403	31	104

EUROPEAN RUSSIA

UZ6LWZ	2,610,216	2610	130	374
UZ4WWB	816,136	1557	74	215
UZ3QWX	799,744	1393	82	270
UZ3DXW	787,150	1462	80	245
UZ4WWG	602,330	1008	84	206
UZ3AWH	582,329	940	79	238
UZ3WWW	487,032	1182	70	203
UZ4LWA	425,810	813	62	183
UZ4AWT	413,364	854	74	220
UZ1OWZ	360,258	974	51	143
UZ4AWB	269,724	570	74	173
UZ4YWW	212,619	770	67	120
UZ6XWC	171,912	611	40	134
UZ6YWB	115,425	831	29	56
UZ6HXK	95,670	787	21	45
UZ3AYR	72,990	333	27	63
UZ4NWM	22,785	199	29	76
UZ3DXF	16,146	135	28	50
UZ3AXH	9,860	60	27	41
RZ6AWP	7,992	112	17	37

KALININGRAD

UZ2FWA	4,020,003	3900	123	384

KARELIA

UZ1NWO	209,945	670	52	159

LATVIA

UQ1GWW	5,771,841	4418	135	414
UQ1GZW	3,879,600	3408	131	399
UQ1GWT	38,883	466	41	80
UQ1GXW	37,976	286	23	78
UQ1GWE	32,558	335	44	107
UQ1GXY	31,210	449	27	104

LITHUANIA

UP1BWW	3,730,145	3218	122	393
UP1BZA	2,820,304	2590	115	376
UP1BZO	1,104,048	1593	96	278
UP1BWG	777,915	1452	70	225
UP1BYK	273,542	644	63	170
UP1BYC	171,414	664	37	141

UKRAINE

UB4MWA	1,764,192	2376	97	279
UB4CWW	1,154,016	2590	73	215
UB4WZA	1,117,584	1304	112	320
UT4UXW	806,124	1547	88	253
UB4MZL	762,522	1475	81	253
UB4MZU	688,818	1192	86	232
UB4MYP	592,410	1161	79	231
RT0U	491,470	1299	66	179
UB3QZZ	216,450	727	47	148
UB4QXU	109,190	542	34	88
UB4SWM	54,984	415	29	87
UB4MWU	47,520	268	29	81
UT4UWE	16,199	301	23	72

OCEANIA

HAWAII

AI6V/KH6	3,731,134	3497	121	241

INDONESIA

YE8X	3,455,412	2934	116	288

NAURU

C21NI	2,510,890	3404	95	162

PHILIPPINES

DX1A	2,662,506	3728	86	152
4D0P	867,040	1821	56	104
DX9HT	575,712	1397	53	91

SOUTH AMERICA

ARGENTINA

LU2FDR	4,348,252	3715	109	295
LU1VZ	2,559,426	2683	102	224
LU7DEE	1,475,346	1833	92	186
LU1HPW	1,200	60	8	11

CHILE

CE6OS	3,245,216	2937	110	267
CE4TA	2,500,360	2538	101	239
CE2AA	2,433,560	2534	104	238
3G1B	1,683,012	2081	85	193

COLOMBIA

HK3MAE	811,300	1089	77	189

GALAPAGOS ISLANDS

HC8DX	6,564,480	4710	132	348

URUGUAY

CV1D	9,636,250	5291	172	478

MULTI-OPERATOR MULTI-TRANSMITTER NORTH AMERICA

UNITED STATES

N5AU	11,116,064	5216	169	583
N2AA	10,646,094	5031	160	601
W3LPL	7,531,680	3800	158	552
N6RO	6,858,638	4383	155	438
NR5M	6,217,750	3450	159	487
AD8P	6,056,450	3420	165	498
NF2L	3,897,649	2409	142	421
K1NG	3,318,091	2046	143	438
W3GM	2,402,887	1660	139	430
K3ZZ	2,287,890	1704	121	374
W6XJ	1,517,120	1300	126	314
K3II	1,142,472	1052	92	270
N1AU	956,736	966	93	259

CANADA

VE7ZZZ	5,442,267	5666	134	283

COSTA RICA

TI2DY	2,037,210	3463	89	178

DOMINICAN REPUBLIC

HI6ØRCD	413,664	1294	56	83

MONSERRAT

VP2MU	12,870,580	8878	148	472
VP2MW	8,994,390	8222	118	352

AFRICA

MADEIRA ISLAND

CQ9MI	1,719,893	2100	84	193

ASIA

CYPRUS

P36P	7,045,916	4991	114	373

JAPAN

JA9YBA	6,535,354	4110	159	394
JA2YKA	6,292,141	3922	154	393
JA1YWX	4,810,680	3342	151	353
JA3YKC	4,180,164	2726	153	374
JA7YRR	3,568,266	2716	146	313
JA7YFJ	2,513,706	2570	115	223
JA4ZQA	2,136,024	2013	124	272
JA3YBF	2,131,824	2141	122	246
JH8YCT	635,688	1027	81	137
JA1YAC	609,062	962	92	141
JA1YXP	222,712	491	54	110
JA2YEC	87,330	265	57	66
JA3YCT	39,846	201	47	40
JH1YTX	20,764	134	29	29
JR1ZTT	15,525	74	34	41

JORDAN

JY7Z	14,341,888	7603	163	541

EUROPE

BELGIUM

ON6NL	1,775,741	2372	98	309

DENMARK

OZ4HAM	129,600	594	41	121

ENGLAND

GB6AA	997,150	1396	93	277

GERMANY (FRG)

DF3OG	1,564,584	1569	120	349

LIECHTENSTEIN

HB9AON	3,815,175	3871	110	415

LITHUANIA

UP9A	11,807,040	8664	157	515

LUXEMBOURG

LX/DF6OC	199,155	637	49	164

NETHERLANDS

PI4DEC	500,688	1220	58	170

NORWAY

LA7O	5,403,606	4687	134	373

SWEDEN

SK2OG	329,745	686	49	218

UKRAINE

UB3IWA	8,899,100	6452	171	529

YUGOSLAVIA

4N1C	4,572,774	5225	117	369

OCEANIA

HAWAII

KH6XX	12,500,823	8026	163	374

INDONESIA

YB0ZDC	366,828	819	54	100

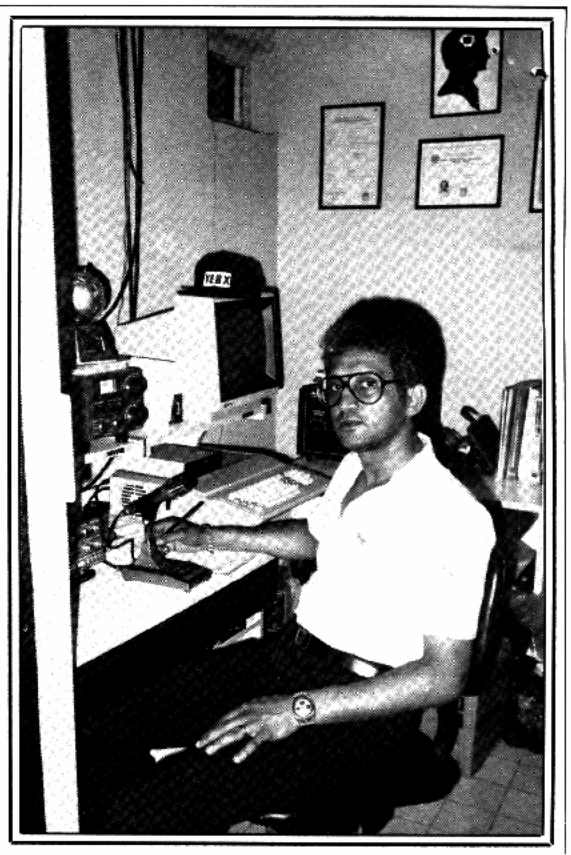
SOUTH AMERICA

BONAIRE

PJ1B	25,366,605	12217	168	537

QRPp

WP4G	A	678,056	1191	82	180
VE1CBF	"	550,316	893	60	187
K3WS	"	291,846	423	77	177
4X6IF	"	263,313	613	42	111
N1AFC	"	235,125	400	55	154
EA3FUM	"	116,640	383	50	130
YO2AQB	"	113,826	468	44	139
AH6EK	"	88,683	307	48	55
KZ5Q	"	71,604	186	53	109
W6YVK	"	65,312	230	43	61
OH5NHI	"	63,020	237	43	94
HK7IMB	"	49,088	193	40	54
WA8AGH	"	43,218	116	41	85
G4MTC	"	41,195	271	26	81
G3KDB	"	35,640	160	31	77
ON8WN	"	32,330	152	29	81
JH3TXP	"	18,663	101	24	47
KH6CP/1	"	12,012	70	30	47
PA2REH	"	11,336	93	21	83
FD1BEG	"	10,664	96	22	40
WA7TUX	"	9,983	81	33	34
KA1SR	"	9,154	103	38	73
RB5IIU	"	8,832	66	14	32
UY5VA	"	8,476	103	18	34
EA3DNC	"	7,770	94	15	55
SP5NHV	"	6,552	129	9	43
SP2BMX	"	6,431	51	24	35
DF7MV	"	5,336	82	14	44
Y21XC	"	703	15	8	11
Y25CF	"	600	29	5	20
EA4DQD	28	40,236	245	21	63
EA4CFN	"	26,880	159	19	61
EA5FCJ	"	25,200	181	19	51
JR3RWB	"	23,680	135	25	39
EA7DZL	"	11,760	104	17	39
JH9HXF/1	"	9,360	65	18	34
EA3FHC	"	8,695	133	13	34
WA0VBW	"	5,904	56	13	28
EA4CHI	"	4,329	61	10	29
VE7EKS	"	153	7	4	5
JE1BCE	"	81	4	3	3
LZ2EW	21	87,010	350	29	81
ZS6PT	"	30,340	143	29	45
JR8OGB	"	26,314	163	25	34
JR0AMD	"	14,344	125	25	43
JO1SVX	"	13,800	99	20	30
UB5RCA	"	13,750	152	14	36
JL3AMK	"	9,900	79	19	31
JE7DCT	"	5,910	73	13	17
JR4LTZ	"	1,564	27	11	12
Y24XA	"	860	24	6	14
CK1HBT	"	182	10	6	7
JA1JSF	14	54,351	236	25	56
JA2VKD	"	38,313	170	28	53
LZ1DB	"	36,450	345	18	57
GM4ELV	"	32,560	320	16	64
ZL1BIL	"	31,584	133	26	58
W6CN	"	19,430	122	21	37
EA1CJJ	"	18,850	210	13	52
IK0GPS	"	16,815	268	10	47
RB5OD	"	14,465	170	14	41
UB5WAB	"	10,123	96	15	38
PA0NRD	"	5,330	106	7	34
SP2RIB	"	3,772	38	15	31
SM5ODQ	"	108	9	2	2
SP6CZ	7	7,488	123	9	43
NZ5A	"	4,680	65	13	26
JH7ZZO	"	4,142	46	17	21
HK3LBU	"	1,664	23	3	14
Y24MB	"	425	25	3	14
UB5IRN	3.7	11,184	206	8	40
OK1AIJ	"	3,078	115	4	23
Y22AN	"	2,808	105	4	23
Y24SB	"	2,511	82	4	27
SP4GFG	"	1,728	65	4	23
OK2SLL	"	902	43	4	18
Y49RF	"	792	40	3	19
SP9FMP	"	329	23	3	11
Y49OF	"	225	15	3	12
Y26EH	"	204	19	2	10
JA1KFX	"	96	7	4	4
OK1MP	1.8	3,744	87	5	34
RB5IOV	"	1,296	38	7	17
OK3IAG	"	998	36	4	23
UB5WEC	"	352	26	4	12



DI1IP, YC0EJG number one on 21 MHz in Oceania.

CHECK LOGS

Our thanks go to the following stations who sent in check logs: CE2CQZ, CE6DFY, CT1CLU, CT1DIZ/CU3, DL1AM/A, DL9HP, EA1AUS, EA1CBY, EA1DQB, EA1DXS, EA2BEJ, EA2CAC, EA2CDG, EA2QU, EA3FSU, EA3FWE, EA4DPK, EA5BVR, EA5EZS, EA5FFQ, EA5FVY, EA7BCT, EA7CDD, EA7DHF, EA7DHK, EA7DOH, EA7DUD, EA7EL, EA7FLU, EA7FTR, EA7ZR, EA7GBD, EA7GEZ, EA7OLA, EA8AKC, EA8AMX, EA8AXT, EA8AVV, FI1CDP, GJØ/DK2ZO, HA4XX, HK1LDG, HK3BFU, HK3DDD, K9AY, LA1FW, LA1TCA, LA3WBA, LA4TG, LA5EBA, LA5QK, LA5XAA, LA6PBA, LA7ZN, LA8CJ, LA9OI, LU1HGN, LZ1KAU, LZ1KAZ, LZ1KSD, LZ2KKZ, LZ2RS, N7BD, OH2BKF, OH2KI, OH5PT, OK1AYU, OK1MHI, OK2PLH, OK2-31-325, OK3CGT, OK3IA/UA3, ON5CZ, ON5FV, OZ1EBD, OZ1FNX, OZ1KZL, OZ2TH, OZ4ZT, OZ8AE, OZ8WD, PA3AAN, PA3EMN, PA0BDO, PA0RWS, PA0TV, PU3ESB, PY1OL, PY2LV, PY3EM, PY4KB, RA0JB, RA1AE, RA1QAZ, RA1QE, RA3AR, RA3AUF, RA3EA, RA3VR, RA4NAI, RA6LR, RA9FA, RA9JB, RB5AE, RT4UA, RV6AB, RV6AF, RV9UV, RZ1OWA, RZ3AM, RZ3DM, SK6TW, SM3CBR, SM3QJ, SM4AWC, SM4JUW, SM5AOZ, SM5DQC, SM5CVC, SM5LI, SM5UF, SM6AVM, SM6KMD, SM6LJP, SM6CDI, SM6PVB, SM7ASN, SM0BFJ, SM0CSX, SP1CGP, SP1DMD, SP1EUS, SP2BKI, SP2DKI, SP2GWH, SP2HGG, SP2JVT, SP2UUU, SP3IUM, SP3NUT, SP4AS, SP4DC, SP5CWQ, SP5EAQ, SP5ENA/7, SP5GMK, SP5ILO, SP5SS, SP6ECF, SP6FER, SP6HFI, SP6JZB, SP8AG, SP8DIP, SP8EMO, SP8GZB, SP8HJC, SP8RJ, SP8SIP, SP9HZF, SP9JRO, SP9LDI, SP9MDY, SP9MRO, SP9ODE, UA0AAB, UA1AUA, UA1CK UA1QD, UA3AGJ, LA3AGW, UA3AHA, UA3AIF, UA3DAO, UA3DLD, UA3DMY, UA3DPH, UA3PB, UA3PDW, UA3QMK, UA3QUK UA3RDG, UA3RFZ, UA3RMW, UA4CGP, UA4UBC, UA6ALT, UA6LDX, UA6LMT, UA6VY, UA9AKF, UA9CB, UA9CHM, UA9FZ, UA9MDV, UA9TS, UA9ZAC, UB5IBM, UB5JOO, UB5JQS, UB5UCH, UB5UIC, UF6VB, UL7BW, UL7ECH, UL7NR, UL8JWR, UM8MD, UM8MGO, UQ1GXJ, UQ2GLQ, UQ2GMR, UR2RCU, UR2RMC, UT4UH, UT4UW, UT5UCH, UT5UDG, UT5UH, UV3DN, UV3FD, UV6HP, UW1BI, UW3AA, UW3HY, UW4NN, UW6AA, UW6HS, UW9CL, UW0CW, UZ3AZG, UZ3QWM, UZ3SWW, UZ3TWT, UZ4HWD, UZ4HWZ, UZ4SWF, UZ9OWM, UZ9YXO, UY5GG, VE3NXQ, W2HAX, W2NRD, XE2PMG, YI1BG, YI1RO/A, YI1UD, YI2YJ, YI3CO, YI3NL, YI4CE/A, YI4EG, YI4LN/A, YI4WJ, YI4XD, YI5BL, YI5SM, YI6GN, YI6JD, YI6SO, YI6ZI/A, YI7GL/A, YI8UN, YI2KI, YI3ON, YI3TB, YI5VG, YI8YE, YI9ZC, YI1SM, YI4VF, YI4YB, YI2NE, YI3PN, YI3UL, YI3VL, YI3YN, YI4NL, YI4TO, YI4ZL/YI4EO, YI5UG, YI5YA, YI6SC, YI6VF, YI8YM, YI2SM, YI6QL, YI7RI, YI3XH, YI7YL, YI8XL, YV5IVI, YY1C, ZL2BDC.

Disqualification: K3TUP 15 meter log—unverifiable contacts.