

Results of the 1989 CQ World-Wide DX SSB Contest

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

For a couple of years now, your Director, N6AR, has been traveling to Italy on business, hoping to get permission to operate the contest from a rare European QTH. In 1989 I successfully applied for permission to operate Vatican station HV3SJ during the CQ WW SSB DX Contest, thanks to the very kind help of Pino, IØDUD, who made the necessary licensing arrangements with the Jesuit House where the Vatican station is located. This was a particularly exciting proposition, since it meant the first full-scale CQ WW Contest operation from the Vatican!

I arrived in Rome the week before the contest and had a full week of ordinary business to conduct. That kept me busy 12 hours a day, even on the Thursday and Friday before the contest. I was pretty tired at the beginning of the contest. However, when the action began, I forgot all about how tired I was as the excitement of the contest took over. In fact, I managed to stay awake about 36 hours of the 48 hours, with some of the dead time caused by the arrival of Mr. Murphy (of course). There was the interference to the FAX machine downstairs, the linear failure, and the high noise in the direction of the USA on 28 MHz—all normal Murphy visits. The location is only accessible during certain hours, so we had to leave for part of the time. Yet things went extremely well for a first-time operation. It was certainly a delight to give so many contesters a rare multiplier.

HV3SJ is blessed with a fantastic rooftop position high above Vatican City at the Jesuit House, which is located within the extraterritorial limits of the Vatican, as can be seen in the picture. You will note the two-element tri-band quad just to the right of St. Peter's, which was the mainstay antenna. That was complemented by full-size dipoles on 160, 80, and 40—a fine all band set of antennas in great working order! The shack is located in a small room right next to the antennas on the roof, a nice, quiet, secluded corner of the Jesuit House. During the contest the rig consisted of a TS-930 and KW linear.

Since most of my operation has been State-side, it was a real eye-opener to participate from the other side of the pile-up as DX for a change. Naturally, I'd been hearing that for years from my co-director, K3EST, who has been active from the Caribbean often over the last 10 years. However, 3500 QSOs, 3.1 M points, and 48 hours later, I had pretty well gotten the message on the differences.

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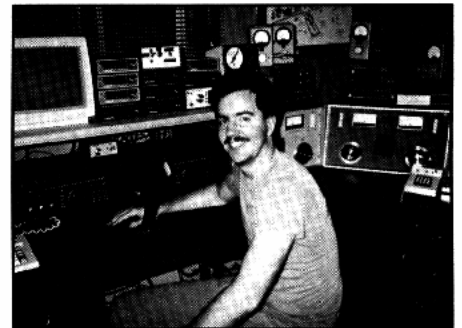
**1816 Poplar Lane, Davis, CA 95616



Your SSB WW DX Contest Director, Larry, N6AR, is shown here at the rooftop location of HV3SJ with the two-element quad shown in the background.

I know there are lots of you loyal contesters and readers who never heard HV3SJ in the contest. Well, I really tried to work the USA and Japan through the European pile-ups, but it was tough. It kind of reminds me of an incident a year or so ago in the States. I worked a BY just 10 minutes before the contest on 10 meters, yet never heard him in the contest at all. What a surprise it was when his contest log arrived with all those W's in it. When the curtain rises at 0 Z on the day of the contest, all sense of order just seems to be lost. I had a similar experience with the Far East and Japan, particularly on the low bands, where the European pile-ups on me were just incredible. The JA stations I heard were all nice copy, but boy, it was tough. We noticed similar comments from the European winner, Jorma, OH2KI, who had the same problem at ZB2X. Then too who can blame the Europeans, who were doing their best to work the multipliers. Clearly, the rare multiplier in the contest has a very strategic dilemma of determining just how much time to spend running a pile-up and how much time to balance the band-by-band score and multipliers. It's much more of a problem when the choice is between 3 and 1 point contacts, too, as is the case in the Far East and Europe.

Indeed, it is just amazing how sophisticated the WW contesting process has become. Location, equipment, multiplier status, propagation, and other environmental factors are certainly important ingredients of a successful



Phil, K3UA, manned K3TUP for this year's number 2 USA all band entry.

WW contest effort. But it is the strategic skills that really make the difference between the winners in the key categories. These strategic factors have been studied and the results put into practice by a keen group of serious contesters. These fellows have worked out a formula for where to go, when to run, when to hunt and peck, when to make band changes, etc. Even the brevity of the exchange has been fine honed to a science. If you are out to win in a major category, it is going to take several years to learn all these strategies, and to develop the skills with on-the-air practice in the heat of battle. The margin of a first-place ver-



Guest operator OH8SR is shown here (left) with station owner EA8BPW.

sus a second-place finish is extremely small in most cases, as some of the results from this year show. The sophistication is enough to scare away some of the newer operators. Yet what we need are a few more challengers who have the patience and endurance to develop those skills and strategies. They would certainly serve as better role models than list and net operators!

The fact is almost anyone can have a great time in today's contest. Whether you like to chase multipliers, conquer a band, run high rates, or just mess around for a little bit, the CQ WW will answer your mail. You can even pick a category where with just a little diligence a certificate is yours for the asking. The way the contest is structured today, there are so many categories from which to choose that there is probably one just right for you. For example, there were very few entries on the low bands this year. Everyone piled up on 15 and 10 and left the low bands alone! A good way to enter and have fun for the beginner is to challenge a buddy in a certain category and just compete between the two of you. Before you know it, you'll be ready for the serious categories. Just think—you might be the next N6AA or OH2BH.

The All Band Results

Rich Smith, N6KT, operating as EA8RCT, ran away with the Single Operator, All Band, World High honors with a whopping 9.7 M points, some three million points above his nearest competition. Jorma, OH2KI, finished second at 6.7 M from ZB2X, setting the only Single Operator All Band record of the year. Jorma edged out the 6.5 M 1988 European mark set by fellow countryman Ville, OH2MM, at OH0MM. Rich made excellent use of his 3 point advantage and a 500 QSO edge on 10 meters. VP5T and YJ0R, in that order, fought it out for third place with just over 1000 points separating them at the 6.1 M level. The top 10 was rounded out by VP2EXX, KN0E/KH3, N2NT, VE2ZP, K3TUP, and WR6R/KH6, all above 4.6 M. Curiously, this was the first time in years that a South American station has not been in the top ten. Note that three of the top ten efforts were from Oceania, a welcome breath of fresh air for the Pacific sector. By the way, the very fine effort by VE2ZP represents the first top ten participant from zone 2 in many years, and the highest ever single op score from that region.

How about those two USA scores in the top ten worldwide! The USA high score of 5.4 M was posted by Andy Blank, N2NT, followed by the fine 4.9 M score of K3TUP, with K3UA operating. This was the second year in a row at se-

cond place for K3TUP. Dean, N6BV/1, followed suit at 4.7 M. The W3's took five of the top ten this year, and as has been the case for several years now, the northeastern sector continues to completely dominate the USA results, with nary a 4 through 0 anywhere in sight. These scores are all consistently close to each other as well, with the third through tenth place finishers all within the 4.0 to 4.6 M region. Despite the fantastic conditions on all bands, this was the first year I can ever remember without any USA record of any kind being set.

European single operator scores went down somewhat this year, with the second through ninth scores finishing in the the 2.5 to 4 M range. ZB2X, GW4BLE, and OH6JW finished 1-2-3 in that order. All three finished in the top ten for the second year in a row and improved their positions compared to 1988.

We were able to run some key computer checks on the top single operator all band scores this year. In fact, we were extremely pleased with the results of those checks, which showed phenomenally low average unique rates (less than 4) among the US and worldwide contenders. Clearly the attention given to accuracy and log checking in the last couple of years has paid off, as the participants are proving.

Our new Single Operator Unlimited category enjoyed a surprisingly large following considering the late announcement. While most of the logs were from the USA, there were a few from Europe and Asia that were submitted as well. Tine, YT3AA, ran away with the World high with 5.6 M. K1ZM finished at the top Stateside with 4 M, followed by W0ZV at 3.5 M and K3WW at 3.1 M. We realize that this category name was chosen hastily because the "unlimited" term confused many and is ambiguous. We are therefore planning to change the name to "Single Operator Assisted," which carries a much clearer meaning. By the way, this category is open to single band as well as all band entrants, a fact which may not have come across clearly in the announcement.

The High Band Results

The 28 MHz category was extremely popular this year, with propagation open from before first light to well after dark in most places. Three new records were set. First, Bob Allphin, K4UEE, amassed new World and South American single band records with a fantastic 2.7 M score from P40R, the largest single band score ever recorded. He was followed by LR6ETB at 2.5 M, KP2A at 2.2 M, and 5H3TW at 2.0 M. Our congratulations to Tom Warren, 5H3TW, on a new African 28 MHz standard, as he bested the 10-year-old standard set by Ville, OH2MM, of OH2MM/CT3 fame. Two of your records fell this year, Ville.

The USA 28 MHz winner was Ralph, K5GA, who just missed the 1 M level. He was followed by KT4A (870 K) and KS1L (825 K) in that order. The European 28 MHz winner was 4N7ZZ at 1.37 M. YZ6A was second in a real scramble with four other stations; TX7A, DF0DX, UR2RE, and DF0SSB, in that order, all of whom ended up within 70K points of each other.

The 21 MHz competition was also fierce this year, with EL2CX (operated by Carl, K3RV) emerging as the victor at 2.2 M. Second and



PP5JR used ZZ5JR to good advantage as he piled up a fine 1.1M on 28 MHz.

third place went to Larry, N7DF/NH2 (1.78 M) and Frank, 9Y4VU (1.76 M). The USA 15 meter top gun was W7WA at 843 K. Fifteen meters was the only glory of any kind for the West Coasters this year, as three other W7's and a W6 finished in the top six. UB5WE snagged the European high with 980 K.

Twenty meters saw some strange propagation this year, with mid-day conditions somewhat subdued in many areas compared to other years. Despite the lull, South America's YW1A (1.50 M) and CE6EZ (1.23 M) took number one and two in the World. Third place went to EA9LZ, whose 1.2 M was enough to topple EL2AV's 1981 African record. YU1KQ finished fifth in the World and tops in Europe, well above his closest competition, 4N4I (672 K). W1RR's 706 K and K2HFX's 605 K dominated the USA contingent.

The Low Band Results

The low band results were way down this year, partly because of propagation and partly due to a lack of participation. After all, why struggle with static bursts and marginal signals when you can just keep running your 10 meter station! A flush of Europeans led by DJ4PT at 382 K, I2AOX at 360 K, and HA9RE at 359 K swept 1-2-3 in the World on 40 meters. WQ2M (83 K) and N6BFM/4 (72 K) dominated the USA arena.

On 80 meters HK3MAE ran away with all the cookies, posting a fabulous 414 K, almost three times higher than his closest competitor, YV3A (142K). UT4UZ led the Europeans with a fine 114 K score, while K4HJJ edged W6RJ with 32 K for USA fame.

Only one record of any kind was set on the low bands this year, and that was on 160 meters, as IV3PRK/IH9 journeyed south into the Italian African Islands to obliterate EA8AK's old 34 K African record with a fine 81 K effort. Otherwise, the 160 meter category was a battle between the Europeans for second place, with OK1DWX leading the pack at 23.5 K. Less than a handful of USA stations even entered on 160. Our congratulations to K5UR on his 5,000 point Stateside effort, a magnificent achievement considering conditions.

The QRPpers

With the fabulous propagation on the high bands, QRPp enjoyed a banner year in entrants, with about 130 entries submitted. Bosko Milankov, YU2TY, led all the competition with a fine 758 K all band entry. He was followed by EA3FBO at 461 K and KD2TT at 371

TROPHY WINNERS AND DONORS

SINGLE OPERATOR, ALL BAND World

EABRCT (Opr. Rich Smith, N6KT)
Donor: Dave Rosen, K2GM
WA2RAU Memorial

World (Assisted)

Tine Brajnik, YT3AA
Donor: Pavillion Software

World, QRPp

Bosko Milankov, YU2TY
Donor: Milliwatt Books—W0RSP

U. S. A.

Andrew P. Blank, N2NT
Donor: Potomac Valley Radio Club
KC8C Memorial

Caribbean/Central America

VP5T (Opr. Steven H. Dove, NM2Y)
Donor: Alex M. Kasevich, VP2MM

Europe

ZB2X (Opr. Jorma Saloranta, OH2KI)
Donor: Potomac Valley Radio Club
W4BVV Memorial

Africa

Scot F. Deftendol, 7P8DP
Donor: Gordon Marshall, W6RR

Asia

A. Asai, JA8RWU
Donor: Japan CQ Publishing Co., Ltd.

Japan

Shigeaki Furukawa, JG3KIV
Donor: Japan Crazy Contesters Club

Oceania

YJ0R (Opr. Pekka Kolehmainen, OH1RY)
Donor: Northern California DX Club

South America

Pedro Barroso Vivaldi, CE3BFZ
Donor: CQ Magazine

SINGLE OPERATOR, SINGLE BAND World—28 MHz

P40R (Opr. Robert C. Allphin, Jr., K4UEE)
Donor: Joel Chalmers, KG6DX

World—21 MHz

EL2CX (Opr. Carl Kratzer, K3RV)
Donor: Peter Munroe, WB1DQC

World—14 MHz

Italo Stradiotto, YW1A
Donor: North Jersey DX Association
K2HLB Memorial

World—7 MHz

Klaus Kuhlemeier, DJ4PT
Donor: Fred Laun, K3ZO
K7ZZ Memorial

World—3.8 MHz

Francisco Javier Monroy Pinzon, HK3MAE
Donor: Fred Capossela, K6SSS

U. S. A.—28 MHz

Ralph W. Bradford, K5GA
Donor: Donald Thomas, N6DT

U. S. A.—21 MHz

Daniel S. Handa, W7WA
Donor: Bill Gioia, K2EK

U. S. A.—14 MHz

John J. Kenny, W1RR
Donor: Southern California DX Club

U. S. A.—7 MHz

Michael B. Jeffrey, WQ2M
Donor: Stanley Cohen, WD8QDQ

U. S. A.—3.8 MHz

Glenn R. Blackwell, K4HJJ
Donor: Arnold Tamchin, W2HCW

Caribbean/Central America

KP2A (Opr. Robert B. Hayes, KW8N)
Donor: Pedro Piza, Jr., NP4A
KP4ES Memorial

Europe—28 MHz (Zone 14)

TX7A (Opr. Paul Granger, F6EXV)
Donor: A. G. Anderson, GM3BCL

Japan—28 MHz

Yasumitsu Kurosawa, JA8NFV
Donor: Take Yokoyama, JL1BLW

Japan—21 MHz

Tom A. Tatomi, JA5OVU
Donor: DX Family Foundation

MULTI-OPERATOR, SINGLE TRANSMITTER World

P40V (Oprs. A16V, N6BT, VE7KNI, WA6VEF)
Donor: Southern California DX Club
W6AM Memorial

U. S. A.

KS9K (Oprs. KS9K, K9CJK, K9GS, N9AU,
N9AW, N9GNQ, N9EJ, N19U, NK9I,
NO9F, W9RN)
Donor: Carolina DX Association

Europe

LZ9A (Oprs. SV3SJ, LZ2CC, LZ2PO, LZ2DF,
LZ2HE, LZ2II, LZ2UA, LZ2SC, LZ2KK, LZ2PS,
LZ2DD, LZ2BE, LZ2CT, LZ1NG, LZ2TT,
LZ2XA, LZ2-E-41, LZ2-E-72)
Donor: Bob Cox, K3EST

Canada

VE6OU/XL3 (Oprs. VE2OZR, VE5DX, VE6OU)
Donor: CQ Magazine

MULTI-OPERATOR, MULTI-TRANSMITTER World

PJ1B (Oprs. WA3LRO, PJ2MN, AI7B, W3UM,
N7ZZ, N7ZR, K3EST, N4RV, W7EJ, K2SS,
OH2MM, N6IG, AA6NT, K2SB, PJ9EE, KB2XZ)
Donor: CQ Magazine—W1WY Memorial

U. S. A.

W3LPL (Oprs. W3LPL, KA1GD, KC3EK, W3EKT,
W3EMH, N3GB, WB3JRU, KX3Q, K3RA,
NM3U, WD4AXM, NW5E, KN5H, N8II,
WA8MAZ, KD9J)
Donor: Operators of K4VX/0

Europe

LX7A (Oprs. DL3LAB, DL4MCF, DL4MEH,
DL5IC, DL5MAE, DL6FBL, DL6NCY, DL6RAI,
DL7AV, DL7MAT, DL8OH, LX1II, LX1MK,
LX1WW, PA3CEF, PA3DWD, DA1DW, DA1KM,
DF2UU, DF3CB, DF3QL, DF7RX, DJ0IP,
DJ1AT, DK1FW, DK2OY, DK3GI, DK5WL,
DK6WL, DK8MZ, DK9IP, DL1SBR)
Donor: Finnish Amateur Radio League

Japan

JE2YRD (Oprs. JH1EAC, JE1JKL, JA2IVK,
JA2VWG, JA2PHO, JH2BNL, JR2SQU,
JF2DQJ, JF2XJE, JI2KVV, JF2EOC, JG3LZG,
JI3ERV, JI3JGJ, JR9OMD, JA9-10148, Noriko)
Donor: Nippon Television Network Corporation

CONTEST EXPEDITIONS

World—Single Operator

PJ7A (Opr. Bear Yasuchi Kumagai, JA7RHJ)
Donor: Stuart Meyer, W2GHK

World—Multi-Operator

V47K (Oprs. K3NZ, K3IPK, WB2P)
Donor: The German CDXG & SDXG
DJ3NG and DJ4EI Memorial

K. Congratulations on some super scores, fellows. The 10 meter QRP top dog was JR3RWB (227 K), while JA8RJE (105 K) led the pack on 21 MHz. We saw very few entrants on 20, 40, 80, and 160 in the QRPp categories this year.

Multi-Op Categories

The Multi-Single category thrived this year, even with the introduction of the new Single Operator Unlimited category. The Americas dominated the competition, with great scores in the tens of millions. It was the team led by

Carl, A16V, at P40V that stole the show with a fantastic 18.5 M, new World and South American records. Well done, fellows. The teams at PJ9W (17.7 M), T11J (14.2 M), FY0P (13.1 M), and 8P9X (13.0 M) followed suit. European teams were led by the fellows at LZ9A with 12.7 M, who just barely squeaked by IQ4A. KS9K's 6.0 M won it for Stateside. It was a real shootout for second place, as N4RJ, K1YR, K1NG, and N3RS all finished within 300 K of each other in the 5 M range.

The Multi-Multi category was extremely well represented on three continents this year, with the Americas and Europe having about the

same relative position as in Multi-Single. WA3LRO's PJ1B team returned for another try at the World record and managed to just miss toppling P40V's mark from 1988 with a fine 48.9 M score. A team consisting largely of W6 contesters journeyed to ZW5B to finish second with 35 M, followed by a very fine 32 M point VP9AD score. Some of the Germans aided home-grown LX operators in their quest for a new European Multi-Multi record, as LX7A amassed a fantastic 26 M to unseat UP8A. Stateside, it was W3LPL all the way with 15 M, as N2RM, NB1H, K2TR, and N5AU fought it out for second place in the 11 millions.

Some Comments on the Rules

A few of you are going to be disappointed this year by the application of a few of our long-standing rules in a number of areas. To minimize the possibility of others failing to follow these rules in the future, we will outline a few no-nos that some of you appear to be toying with.

First, we do not allow the same call to be used in more than one category. Hence, the same call cannot be used for more than one single band entry. For example, we had three different single band logs submitted under the same call sign this year. That is not allowed. Refer to Rule VIII, which states: "A single band log is eligible for a *single* band award only. If a log contains more than one band, it will be judged as an all band entry unless otherwise specified." We interpret this to mean that a given call is entitled to only one single band entry.

Second, you cannot omit your sent and received exchanges from your log (see Rule XI, 2, where it states that "All sent and received exchanges are to be logged.") You can make an entry on the log which states that the exchange you sent was always the same (if that is the case). However, the received exchange must be logged, including the zone received.

Please note that for a station to be eligible for the reduced penalty structure associated with computerized logging submissions on disk, the complete log data must be submitted. Thus, submission of a disk containing a computerized list of all calls worked on a given band does not qualify for the reduced penalty. We need all of the log data, including times, multiplier and scoring, and exchanges on the disk in order for the submission to qualify as a computerized log. Additionally, even if you send us your log on a disk, be sure to send us a printout as well. Imagine the cost of paper for 3,000 CQ WW contest logs!

We hope that proper attention to these rules will avoid any further disappointments to entrants in the future. The rules for 1990 can be found elsewhere in this issue. We suggest you read them carefully, as a number of changes have been adopted by the CQ Contest Committee this year.

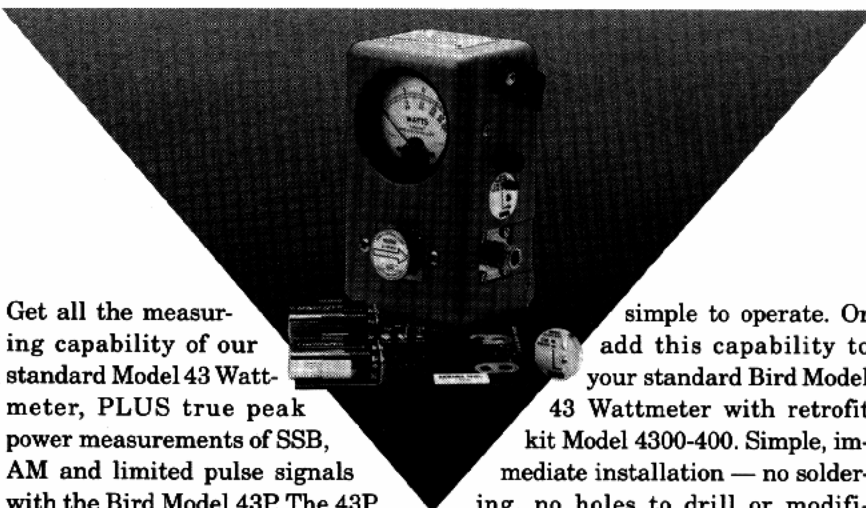
A Word of Appreciation

We received over 3,000 entries and check logs this year, and about 160 of them were accompanied with disks. These logs were put to the test by our hard-working, expanded WW Contest Committee, with some of our folks concentrating on building the computer data base and performing log checks with it, while others concentrated on our normal log-checking procedures.

This hard-working group deserves special recognition. They are Pat, WA8YVR; Dave, K2SS; Doug, K1DG; John, K1AR; Bill, W2RQ; John, KE7V; Richard, K5NA/2; Ed, N3ED; Fred, AD6C; Jan, N6AW; Glenn, K6NA; Homer, K7RA; Jim, W7EJ; Gene, N2AA; Mike, W9RE; John, K2VV; Doug, KR2Q; and newcomer Randy, K5ZD/3. A special word of thanks to these guys for the long hours they put in.

Now it's time to close up your magazines and fire up the old rig. It's time for the 1990 CQ WW SSB Contest! Good luck to you all for 1990. 73, Larry, N6AR/4, and Bob, K3EST/6

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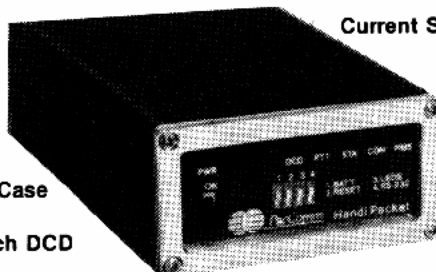


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BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

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

WORLD TOP SINGLE OPERATOR, ALL BAND

| Station | 160 | 80 | 40 | 20 | 15 | 10 |
|----------|---------|-----------|-----------|------------|------------|-------------|
| EABRCT | 21/7/21 | 99/14/52 | 388/18/64 | 1451/26/80 | 884/22/103 | 3060/30/112 |
| Z32X | 79/6/31 | 296/18/61 | 433/24/68 | 1248/30/86 | 845/29/93 | 2570/33/99 |
| VP5T | 94/7/15 | 373/8/25 | 550/17/54 | 1024/21/74 | 1578/28/88 | 2067/22/81 |
| YJ0R | 3/2/3 | 34/5/10 | 224/20/32 | 908/31/72 | 2121/31/84 | 2171/32/84 |
| VP2EXX | 11/4/8 | 102/8/21 | 303/12/42 | 785/30/88 | 571/28/91 | 3342/31/107 |
| N2NT | 14/5/12 | 117/15/56 | 180/21/71 | 472/33/110 | 834/30/111 | 1457/33/117 |
| KN0E/KH3 | 41/8/8 | 292/19/23 | 553/26/44 | 525/30/62 | 993/33/70 | 1450/29/62 |
| VE2ZP | 13/1/3 | 99/6/8 | 390/12/50 | 1032/29/92 | 1020/25/74 | 2195/24/91 |
| K3TUP | 15/6/10 | 67/12/40 | 99/16/56 | 677/34/122 | 553/34/107 | 1448/34/127 |
| WR6R/KH6 | 7/2/3 | 98/9/10 | 592/21/40 | 443/26/60 | 797/30/69 | 2503/31/68 |

USA TOP SINGLE OPERATOR, ALL BAND

| Station | 160 | 80 | 40 | 20 | 15 | 10 |
|---------|---------|-----------|-----------|------------|------------|-------------|
| N2VT | 14/5/12 | 11/15/56 | 180/21/71 | 472/33/110 | 834/30/111 | 1457/33/117 |
| K3TUP | 15/6/10 | 67/12/40 | 99/16/56 | 677/34/122 | 553/34/107 | 1448/34/127 |
| N6BV/1 | 10/5/8 | 102/13/49 | 110/17/58 | 528/34/108 | 524/33/109 | 1486/32/119 |
| K300 | 15/5/10 | 117/13/58 | 100/14/48 | 361/30/94 | 671/35/109 | 1476/33/132 |
| K3Z0 | 18/6/12 | 84/11/46 | 87/17/56 | 522/35/105 | 565/32/102 | 1375/31/104 |
| K1DG | 18/8/15 | 115/15/48 | 103/18/62 | 502/33/108 | 544/30/97 | 1209/29/117 |
| K5ZD/3 | 16/7/12 | 57/12/38 | 111/17/61 | 430/36/106 | 754/32/117 | 1050/34/122 |
| N2LT | 7/4/5 | 58/8/36 | 96/18/56 | 590/35/116 | 499/28/95 | 1222/33/126 |
| W3BGN | 14/7/12 | 84/12/39 | 150/20/60 | 714/34/106 | 633/31/84 | 922/31/108 |
| K1RU | 11/4/8 | 46/10/33 | 111/21/63 | 527/34/106 | 646/31/105 | 1091/31/124 |

WORLD TOP MULTI-OPERATOR, SINGLE TRANSMITTER

| | | | | | | |
|------|-----------|-----------|------------|-------------|-------------|-------------|
| P40V | 39/9/21 | 227/13/48 | 668/23/83 | 2738/35/138 | 1996/32/129 | 3460/31/123 |
| PJ9W | 20/9/18 | 112/15/7 | 708/26/93 | 3221/33/132 | 1477/32/125 | 3104/31/122 |
| TIJ | 12/6/11 | 252/16/43 | 710/26/87 | 1862/35/131 | 2258/37/131 | 3181/35/138 |
| FY0P | 17/6/12 | 147/14/58 | 319/23/79 | 1365/32/121 | 969/32/113 | 3026/35/121 |
| 8P9X | 40/8/23 | 164/11/54 | 393/20/88 | 2455/32/115 | 2323/35/110 | 2776/32/110 |
| LZ9A | 110/11/51 | 92/19/77 | 671/35/117 | 1619/39/153 | 1355/38/140 | 2204/38/127 |

USA TOP MULTI-OPERATOR, SINGLE TRANSMITTER

| | | | | | | |
|-------|---------|-----------|-----------|------------|------------|-------------|
| KS9K | 16/9/15 | 43/16/42 | 146/29/92 | 838/39/142 | 558/40/133 | 1282/34/150 |
| N4RJ | 20/7/14 | 54/15/45 | 85/24/77 | 828/36/133 | 714/36/139 | 1156/34/146 |
| K1YR | 10/5/9 | 69/14/52 | 99/24/82 | 845/38/154 | 467/36/138 | 1224/31/155 |
| K1NG | 12/7/9 | 86/17/60 | 123/26/83 | 493/39/159 | 498/37/136 | 928/34/146 |
| N3RS | 14/6/11 | 72/16/58 | 146/23/76 | 655/40/154 | 610/38/142 | 1098/34/154 |
| KA1GG | 10/4/9 | 124/12/59 | 111/22/75 | 430/37/121 | 679/31/125 | 1273/33/131 |

WORLD TOP MULTI-OPERATOR, MULTI-TRANSMITTER

| | | | | | | |
|-------|------------|------------|-------------|-------------|-------------|-------------|
| PJ1B | 457/12/37 | 973/19/75 | 2019/30/121 | 4707/40/186 | 4305/37/167 | 5714/37/178 |
| ZW5B | 65/14/27 | 156/22/44 | 1306/34/120 | 3362/40/172 | 4312/40/178 | 4463/39/169 |
| VP9AD | 486/14/31 | 1219/18/74 | 1749/29/100 | 5420/40/146 | 4760/37/149 | 3315/34/129 |
| I3XA | 655/7/57 | 1884/18/93 | 2409/34/121 | 3537/40/166 | 3190/39/57 | 3272/37/157 |
| R88M | 1527/13/42 | 911/22/72 | 1507/34/120 | 2523/38/145 | 3013/39/145 | 2415/36/118 |
| LY2ZZ | 686/8/48 | 617/19/74 | 1140/33/117 | 3194/40/148 | 2324/39/143 | 2155/36/127 |

USA TOP MULTI-OPERATOR, MULTI-TRANSMITTER

| | | | | | | |
|--------|----------|-----------|------------|-------------|-------------|-------------|
| W3LPL | 72/10/21 | 353/19/77 | 425/29/100 | 1313/40/177 | 1572/38/161 | 2326/36/170 |
| N2RM | 62/9/19 | 234/17/71 | 207/21/75 | 1078/38/155 | 1494/39/149 | 2173/35/163 |
| N61H | 13/6/9 | 216/16/66 | 254/24/88 | 1254/40/164 | 2142/39/149 | 1252/33/157 |
| K2TR | 50/7/13 | 286/15/73 | 285/26/91 | 1133/39/164 | 1503/37/159 | 1680/35/173 |
| N5AU | 27/9/20 | 108/19/56 | 254/29/57 | 1338/39/163 | 1417/39/159 | 1620/34/159 |
| K5NA/2 | 56/5/11 | 320/17/78 | 200/23/82 | 1205/40/162 | 1008/34/138 | 1425/35/158 |

with USA on 10 meters... *HB9H*. Our first attempt in M-S category after our M-M EU record. It was harder this year... *OL8A*. It was really a great pleasure to operate the contest with dipoles and vertical antennas... *F6HLC*.

Only licensed since February '89. Our first contest and we loved it... *ON4AAQ*. Lost our 20 meter ant in 80 mph gale... *GW8GT*. Didn't know a score like this was possible with 100 watts and modest antennas... *IK0NWD*. Biggest thrill: Being called by BY and not realizing it, off back of the beam... *G0CCH*. Station nearly closed down due to telephone interference... *GM3PXK*. Much fun as always... *LY2WW*. Tnx nice contest... *UQ1GXJ*. QRP Multi-op station... *UB4VWA*. Computer crashed, voice crashed, but a great contest... *AL7FQ*. More aluminum, more power, more contacts next year... *8P6SH*. More fun when back home in zone 2... *VO2AC/1*. Had a blast after a ten year layoff with my old HW-101 and portable whip antenna... *WA6UJE/VE2*.

XL3 was my 25th different Canadian prefix in 25 years in radio... *XL3XN* (ex-*VE3GCO*). Still trying to figure out what I did wrong... *VE3RMM/2*. Glad to be back after 8 years... *VE6LB*. Started just to play around, but then got hooked... *Ti2KX*. The best contest in the best hobby... *H18LC*. Prepared for a month, but then I had a fever on Thursday, so didn't do as well as expected... *YS1MAE*. Used only low power, but feel good about my first contest... *6D2KB*. I hope more XE stations will participate... *XE2HWH*. Hurricane Hugo made me work using just a vertical... *KP4CZ*. Used battery power part of the contest... *WP4GQB*. The calypso band next door "jammed" all night, so being on the air didn't bother them... *J88/W9NSZ*.

Due to the hurricane, setting up at KP2A was just like field day... *KP2A* (Opr. *KW8N*). Enjoyed the contest very much. Hope to be in the multi-band category next year... *UB5WE*. Super contest again, but no new countries for me... *UA2EC*. Nice to work with the new Lithuanian prefix. LY was used before 1940... *LY2ZA*. I am 15, and have been in radio since 1986... *UA00GS*. Great fun! Except from when the quad fell down, when the power supply failed, when the transmitter went on strike, and when my newly developed Macintosh computer system didn't work—but I'll be back next year... *OZ1ADL/P*. Again a lot of new DXCC countries and a lot of fun... *PA3ELD*. First time I used a beam, worked quite nice, now only need antenna for 40/80/160... *PA3EMN*.

My 41st CQ WW. Here's to next year... *GM3BCL*. Propagation—what's that?... *TF3CW*. My first contest... *SM3SJN*. CEPT rules make it impossible to get an LX call for foreigners. LXI—is not a competitive

call!... *LX/ON4AMT*. What about a class for those without big-power amplifiers? Too little power to get a QSO on 80-40 meters!... *LA4YW*. I can't work the Sunday 29 October—elections in Spain... *EA1BFZ*. Conditions fair despite disturbed conditions—shared time between contest and house redecoration... *EI9FK*. My first contest. I hope that this log was correct... *FD1NEP*. Top band must be quoted in megahertz and not any more in meters... *F6AOJ*.

First time I did 10 meters monoband. It was absolutely great! See you in 1990... *DF0DX*. Our only problem was to find right directions because we had forgotten our compass at home. We'll be back next year. See you then... *OH6YF/OH0*. 100 mph winds caused havoc throughout southern part of U.K. during whole weekend. My tower was no higher than 35 feet! Tree came down at back! Lost 80 meter sloper and 160 wire. Standby Butternut HF2V looked like a boomerang... *GW4BLE*. To be rare one in Europe makes it hard to work DX 3 point QSOs through EU pile-up! Great contest!... *ZB2X*. Fine contest, as usual, with good conditions and a full band... *OK1ABP*. A long time I call stations from the USA on 80 meters, but they did not copy me... *OK3IAG*.

Had a minor problem with the equipment... *OH1MD*. Well, everything was quite OK until the amplifier broke on Sunday morning... *OH1MDR*. You should give me some extra points due to the strong aurora... *OH6JW*. It was a fantastic although trying event... *SP2EWQ*. Murphy hit us hard and fast this year. I got stuck in a traffic jam on the highway, losing almost all Saturday... *YU1PQI*. 48 hours is too much for a single op!... *I4FYF*. First time up two nights calling like crazy. 40 meter band is terrible—too many kilowatts dancing on the air. But I am happy with the antenna, a full-size 40 meter vertical 5 meters above the ground... *IN3ZNR*. It was funny working W and VE stations on 80 meters using split without a second VFO... *OE4BKU*.

Heard my first BY since being licensed in 1971, but I couldn't turn my beam off of stateside... *SV0AB*. Need a "T" filter. My two-year-old son spilled tea on nearly completed check log!... *SV0GM/5*. Putting HV3SJ on the air in the contest was a tremendous thrill... *HV3SJ* (Opr. *N6AR*). Hard but enjoyable... *PT2TD*. Missed my trusty old 10 meter band... *CE6EZ*. Band openings around the clock allowed a fairly good score despite antenna shortcomings... *CW8B*. After 12 years of silence I'm back in the contest... *YV4YC*. I blew the house fuses and needed to buy some; unfortunately the police stopped me in my hurry... *YV5LIX*. Very few stations worked from NA, SA, and AF... *AP2NK*. A lot harder from East Africa than it was from OAB8 in Peru... *5Z4FO*.

Twenty-five hours of operation on 160 meters for worst results ever ... *ZS6BCR*. Where were all the 75 meter big guns from the East Coast of the USA? ... *AH6JR*. With over 4000 QSOs, not a single VK or ZL ... *EL2CX* (Opr. *K3RV*). Just had a few minutes to make these QSOs before leaving New Caledonia ... *FK0AW*. DX conditions on 160 meters very poor, but the advantage of 3 point QSOs with Europe were worth the effort ... *IV3PRK/IH9*. Many could not copy signals from my 35 watts ... *AT0U*. Thunder, lightning, and power outages did not help the score ... *YB3ASQ*. (And just about everyone else from Indonesia had the same comment—ed.) Many thanks to J37DX, who was pleased to work me ... *ZS6HZ*.

USA QRM

Remote transmitters are *not* allowed, why are remote receivers (pkt, spot nets)? All operations should be self-contained ... *W2HPF*. Over 100 countries on one band in a contest for the first time ... *N2UN*. Ten meters was great! First try at using K1EA—Love it! ... *KQ2O*. First time K1EA. All that technology and no JA on 10 ... *WB3FIZ*. Police burst through shack door at 2 AM local in response to neighbor's report of unusual activity ... *AA4LH*. Too bad our professors didn't realize the significance of this weekend. We could have put a lot more time in ... *W5AC*. Propagation wasn't very good, couldn't run Europeans ... *N6MB*. Fun watching my 9-year-old son (KC6CNV) run 90 JAs in an hour in his first attempt at contesting ... *W6TMD*.

We aren't there yet! ... *W19L*. The bands were open all over the world—it was a lot of fun ... *KV5E*. Never called CQ—just joined in the pileups ... *WK5K*. Enjoyed the test ... *KG5EG*. First contest—much fun ... *AA5HR*. Sure miss my hilltop QTH in NM ... *K13L5*. Quit early last year to upgrade and it helped this year ... *KG5SX*. Heard lots of folks talking about the great propagation, but it sure was not here ... *W5CWQ*. First and maybe last contest, as I woke up my wife at 3 AM saying 5904 over and over ... *N5NMX*. First time contest and can't wait till next contest ... *N5ERC*. Heard/missed 5 zones and 12 countries ... *KC5AC*. Was going to work all band but 10 was too hot to leave ... *N5HB*. Having BY4AA answer my CQ ... *NA4M/5*.

Another great test—keep it up ... *WB5UDX*. Be sure to sked fantastic propagation for next year ... *KG5VK*. Another good contest ... *W5FO*. Spent a lot of time listening and calling but 80 was working band ... *WB5YLT*. Hearing my friend N6AR from HV3SJ ... *W7CB/6*. Had to take down 80 meter dipole in wind before it wrecked tower ... *KE6ZE*. Thanks for a fun contest ... *W1FEA/6*. Conditions weren't as good as last year but still doubled my score ... *K16ZH*. After returning from a Halloween party, I operated for about an hour in a bunny suit but no help ... *KG6AO*. Working all those new countries ... *WX6G*. Really disappointing prop ... *KB6GV*. Never heard BY so loud on 80 ... *K6JG*. Licensed on July 5, 1989—great contest ... *N6VMS*.

Earthquake 7.1 plus S-9 noise tough conditions ... *WA6CTA*. Amp problems/computer program crashed out—lucky I have a sense of humor ... *KM4MF/6*. No thrills just fun ... *K6DMN*. Main rig 930 went out 6 minutes before test; lost day getting auxiliary set up ... *N6IBP*. Band condx were fair for this sunspot peak ... *W6OVO*. The ham in Hawaii arguing for 1 minute with a ham in Ohio about what zone Ohio is in ... *N6UGR*. Worked a few new band countries ... *WB6/1M*. Had a high SWR. Had to take antenna down during contest ... *KB6PIQ*. This was my first contest—lots of fun. I enjoyed beaming around the world ... *N6BFN*. Having Europeans tell me I sounded like east coast ... *K6SVL*. First station worked was BY4SZ. Had potato bug bite me in foot ... *KJ6GQ*.

A thrill to work over 100 countries on 10 ... *WX6M*. Prop not as good on 10 as last year ... *WB6MBF*. Was overwhelmed by the number of hams congratulating me for surviving the big San Francisco earthquake ... *W6BIP*. My first CQ WW contest ... *KC6ESL*. Still operating in the garage—very cold ... *WA6TKT*. Licensed on 10/3, on air 10/15, on contest 10/28, love it ... *N6WLF*. My first contest, got some nice DX ... *KC6BZO*. I didn't get to work the entire period as the XYL had other plans ... *N6TPT*. At 82 just making it through another contest is the challenge ... *W6OK*. Conditions were terrible 40 meters ... *N6RJ*. Conditions were again not good for the phone weekend ... *K5KT/6*. Band down this year (7 MHz) ... *K6HAM*.

Terrible conditions ... *W6RJ*. Software worked great! Had excellent time despite 20 over 9 QRN both nights on 160, 80, and 40. QSO totals too low ... *K7RI*. Kept waiting for the bands to open to EU, but the runs just weren't there ... *NN7L*. It was great seeing 10 meters open—both days! Thanks for another good contest ... *KC7UO*. Sure wish there was a rule that all stations must ID after each QSO! ... *KS7T*. QRM I can work. It's QRN I hate! ... *NY7T*. With help, got my two-element quad up about one hour before the contest began ... *WA7FAB*. Working a new

country on both 80 and 40 despite poor antenna for those bands ... *W7GUR*. Fabulous European opening and African openings to west coast—best in 30 years! ... *KC7DB*. Four China QSOs? Wow! ... *N7ENU*.

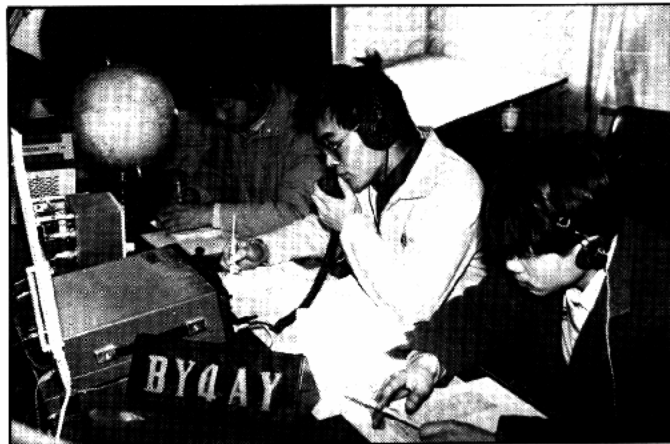
Good condx. As usual—fun! ... *KA6V/7*. Good contest. Band conditions were pretty good ... *W7QN*. My XYL, N7KOV, kept the rig all to herself Saturday to boost her country total ... *KR7L*. Working musician at night and a football fanatic during the weekends, but love this contest ... *N7LOX*. The most fun you can have without laughing! ... *W7WHY*. Great to be back after 6 years of inactivity ... *KD7C*. Working J37DX after a 4 hour chase ... *WA7TUX*. A solar flare a day keeps the good scores away—blah! ... *K7LZJ*. As usual, roaring pile-ups on double multipliers Sunday ... *W7TJ*. Computer logged for first time. Thank you, K1EA. It was a pleasure to have the logs done ½ hour after the contest. Condx over the pole stunk ... *K7LXC*.

Condx were great. Where were zones 34 and 39? ... *NQ7M*. Could sure use a good computer logging program! ... *NW7Q*. Exceptional band conditions. Never intended to enter contest, but condx remarkable ... *WY7U*. First contest submittal since winning for W7 all bands in 1959. Looking forward to next year ... *W7UPF*. Hurricane Hugo cancelled my VP2MBA operation ... *W7FP*. Rotor broken, spare broken. amp stuck in xmit, neighbor called about TVI, a great contest anyway! ... *AG7J*. Stayed home because of business at last moment. Look for me in 1990 from a DX spot ... *WB7RFA*. Watching OM Bill "twitch" when he knew I was calling in a pile-up ... *KB7IRF*.

Glad to finally have all equipment work all weekend. First time for computer logging—fantastic ... *WB3KXK/8*. Never heard the bands so crowded! Just couldn't get a decent run started ... *KC8JH*. Ten meter condx great, but 80 meters not so great ... *KD8KX*. Bad polar path propagation into USSR. Only worked six QSOs in zones 16–19 combined! ... *N8AGU*. Thrill was to break pileups with just 100 watts ... *WA8MEM*. Finally nailed a JT1 in contest ... *W8YGR*. Just looking for new band countries and prefixes. Thanks to all for QSOs ... *WA8YTM*. Conditions way down from 1988. Score just 25% of previous year (3.5 MHz) ... *W0CD/8*. Did anybody work any VKs or TFs on 10? Ouch! ... *N8FEH*.

Do I get three extra multipliers for working the neighbor's three touch lights? ... *WG8M*. Footswitch failed 1800Z Sunday and mike not wired for VOX, touched two wires together to TX rest of contest ... *K3ZJ/8*. Had fun. Looking forward to next year ... *KA8VPL*. Looking forward to next year's contest. Had a ball this year ... *WA8NDE*. Many thanks to WA8OSE for letting me use his station—thanx, Dad! ... *N8JEC*. Murphy stayed away from my gear, but managed to strike me with a 20 over 9 toothache! ... *N8EXS*. My first ever CQ WW. I'm hooked! Thanks for a great weekend ... *KC8FS*. Too bad there is no Novice category. This score was accomplished using only 28.3 to 28.5 MHz! ... *KB8HZE*.

Who said verticals don't hear well? I heard lots of noise with the best of them! ... *WR8K*. Working 100 countries in a weekend was great ... *KF8K*. Ten meter DXCC in 9.5 hours! Was it worth it? You bet! ... *W0AIH/9* (Opr. *N0BSH*). First time using K1EA software but my computer outsmarted me. It reset UTC for Daylight Savings to Standard time on Sunday morning! ... *W0ZV*. 22K for my first test, look for more next year ... *KB0ENE*. Eight new countries, 600 points more than last year



The fellows at the youth club (average age of 17) in Shanghai, China put BY4AY on for the CQ WW for the first time. They say they will be back with higher power and better antennas next year.

**WORLD TOP QRPp
(5W Input) All Band**

| | | | |
|-----------|---------|------------|---------|
| 1. YU2TY | 758,523 | 6. W0MHK/1 | 311,576 |
| 2. EA3FBO | 461,472 | 7. HB9ADD | 303,552 |
| 3. KD2TT | 371,968 | 8. W0UO | 297,591 |
| 4. 4M1G | 336,384 | 9. UD6DFF | 253,984 |
| 5. VE1CBF | 331,261 | 10. N4IJ | 244,651 |

Number groups after call letters denote following: Band (A = all), Final Score, Number of QSOs, Zones, and Countries. Certificate winners are listed in boldface.

**SSB RESULTS
SINGLE OPERATOR
NORTH AMERICA**

UNITED STATES

| | | | | | |
|---------------|-----------|------------------|-------------|------------|------------|
| N6BV/1 | A | 4,564,755 | 2760 | 134 | 451 |
| K10G | | 4,153,380 | 2491 | 133 | 447 |
| K1RU | | 3,954,090 | 2432 | 131 | 447 |
| W1WEP | | 1,914,750 | 1475 | 106 | 344 |
| W1GIF | | 1,566,226 | 1186 | 117 | 349 |
| K1ICLN | | 1,289,972 | 1155 | 94 | 310 |
| K1VDF | | 960,360 | 1121 | 73 | 229 |
| W66G/1 | | 799,645 | 839 | 81 | 260 |
| K1AUC | | 688,905 | 620 | 99 | 306 |
| K1TN | | 616,691 | 631 | 84 | 269 |
| W2AX/1 | | 584,415 | 611 | 80 | 253 |
| W1PH | | 555,977 | 633 | 82 | 225 |
| W1B1H | | 492,800 | 456 | 105 | 295 |
| K1JUL | | 484,386 | 676 | 64 | 202 |
| N1API | | 422,532 | 529 | 72 | 219 |
| NK1I | | 420,579 | 464 | 87 | 246 |
| W1CB | | 312,930 | 377 | 74 | 231 |
| W1FJ | | 300,300 | 465 | 60 | 171 |
| K1VS | | 247,020 | 384 | 63 | 197 |
| NY1V | | 245,518 | 355 | 67 | 159 |
| W1AX | | 244,024 | 363 | 56 | 180 |
| K1A1NDS | | 145,197 | 247 | 62 | 157 |
| N4XR/1 | | 139,644 | 241 | 68 | 164 |
| W1MK | | 137,634 | 247 | 59 | 144 |
| K1ZJH | | 135,014 | 261 | 51 | 136 |
| K2MN/1 | | 128,160 | 257 | 54 | 124 |
| W10P | | 118,800 | 237 | 49 | 127 |
| NF1J | | 85,358 | 226 | 33 | 101 |
| W1-HUE | | 55,560 | 151 | 39 | 91 |
| K41NNI | | 46,320 | 139 | 36 | 84 |
| KB-RB | | 30,975 | 117 | 32 | 73 |
| K1SA | | 20,880 | 81 | 23 | 67 |
| W1FN | | 20,592 | 94 | 22 | 56 |
| K0-LM | | 15,688 | 81 | 22 | 52 |
| K2SX/1 | | 12,864 | 53 | 24 | 40 |
| KS1L | 28 | 825,727 | 1585 | 32 | 147 |
| N1TZ | | 323,070 | 678 | 31 | 134 |
| K1EPI | | 310,880 | 673 | 32 | 128 |
| W1BWS | | 298,656 | 675 | 30 | 123 |
| NX1P | | 211,211 | 518 | 29 | 114 |
| K1SJ | | 200,294 | 501 | 30 | 107 |
| K41RLI | | 116,112 | 345 | 26 | 92 |
| K41OFO | | 66,309 | 252 | 24 | 69 |
| W82CND | | 63,308 | 225 | 21 | 77 |
| K42DUH | | 55,120 | 190 | 27 | 77 |
| K1UGO | | 42,622 | 167 | 23 | 76 |
| K1JBS | | 29,580 | 146 | 15 | 55 |
| K41RRX | | 27,097 | 125 | 20 | 59 |
| KC1QN | | 21,038 | 121 | 16 | 51 |
| W1EPO | | 14,874 | 84 | 17 | 50 |
| K1ZZJ | | 11,556 | 76 | 19 | 36 |
| N1GLE/M | | 8,673 | 67 | 13 | 36 |
| N1GOE | | 3,526 | 37 | 11 | 25 |
| W810XD | 21 | 261,144 | 773 | 31 | 93 |
| W1PLJ | | 6,216 | 50 | 13 | 29 |
| KH6CP/1 | | 4 | 1 | 1 | 1 |
| W1RR | 14 | 706,986 | 1383 | 39 | 142 |
| N8RA/1 | | 266,850 | 646 | 35 | 115 |
| N1ENN | | 229,252 | 621 | 35 | 113 |
| AA1M | | 12,786 | 80 | 17 | 40 |
| N2NT | A | 5,403,200 | 3074 | 137 | 477 |
| N2LM | | 4,014,080 | 2482 | 126 | 434 |
| K2ND | | 3,437,252 | 2268 | 121 | 401 |
| N2BA | | 2,535,636 | 1703 | 123 | 40 |
| W10D/2 | | 1,768,452 | 1219 | 116 | 402 |
| K2PS | | 1,316,252 | 1125 | 101 | 305 |
| K2PH | | 1,145,538 | 982 | 102 | 312 |
| KF20 | | 952,632 | 867 | 91 | 302 |
| K2JLA | | 763,656 | 732 | 98 | 278 |
| K2FL | | 723,168 | 720 | 91 | 281 |
| K2UYP | | 696,397 | 670 | 93 | 278 |
| KB2EMU | | 640,710 | 833 | 68 | 202 |
| K2BRF | | 615,020 | 678 | 83 | 238 |
| N2WK | | 583,080 | 626 | 90 | 249 |
| WA2C | | 551,922 | 568 | 96 | 261 |

| | | | | | |
|--------------|-----------|----------------|-------------|-----------|------------|
| WR2G | | 503,721 | 612 | 70 | 221 |
| NA20 | | 483,882 | 602 | 80 | 207 |
| WA2UDT | | 430,900 | 545 | 77 | 201 |
| W2JGH | | 397,215 | 523 | 61 | 212 |
| NQ20 | | 378,084 | 478 | 81 | 215 |
| KS2M | | 372,842 | 476 | 78 | 199 |
| W2WQW | | 358,846 | 509 | 67 | 185 |
| KF2JD | | 356,827 | 527 | 61 | 178 |
| W2MJ | | 351,000 | 505 | 63 | 187 |
| WK2H | | 319,744 | 464 | 61 | 195 |
| NA2M | | 316,336 | 418 | 75 | 197 |
| WB2ZMK | | 315,466 | 404 | 84 | 192 |
| KD2BW | | 304,584 | 424 | 69 | 190 |
| KB2DE | | 284,926 | 405 | 79 | 177 |
| W2KHQ | | 262,185 | 405 | 61 | 166 |
| WT2D | | 245,700 | 383 | 62 | 172 |
| K2WZ | | 205,615 | 359 | 53 | 152 |
| K2RW | | 199,689 | 280 | 62 | 187 |
| KN20 | | 187,880 | 314 | 61 | 159 |
| N2JYC | | 187,800 | 348 | 52 | 133 |
| WE2T | | 183,890 | 338 | 53 | 149 |
| W2MT | | 170,562 | 288 | 60 | 157 |
| KD2NE | | 136,952 | 240 | 68 | 144 |
| W2FUI | | 122,958 | 267 | 44 | 118 |
| K2LE | | 121,844 | 259 | 45 | 121 |
| AF2K | | 117,705 | 238 | 60 | 117 |
| NG2P | | 108,558 | 236 | 42 | 121 |
| K2ONP | | 102,992 | 251 | 52 | 105 |
| W2SDO | | 92,510 | 203 | 50 | 113 |
| K2SWZ | | 85,675 | 218 | 40 | 104 |
| WM2Y | | 82,689 | 222 | 37 | 92 |
| WM2U | | 77,550 | 201 | 39 | 102 |
| N2XW/M | | 75,397 | 351 | 55 | 176 |
| W1ZF | | 56,144 | 274 | 31 | 90 |
| KB2BF | | 53,250 | 154 | 46 | 96 |
| N23DD | | 52,394 | 160 | 42 | 92 |
| NA2A | | 46,767 | 153 | 30 | 89 |
| KS2I | | 31,824 | 100 | 44 | 73 |
| WF2E | | 31,413 | 112 | 36 | 75 |
| KB2UW | | 30,504 | 123 | 37 | 87 |
| WB2RXX | | 29,637 | 116 | 26 | 63 |
| WS2W | | 25,194 | 221 | 24 | 90 |
| WB2LNR | | 24,310 | 82 | 37 | 73 |
| WQ2N | | 19,152 | 79 | 25 | 58 |
| KA2HTU | | 17,670 | 81 | 35 | 60 |
| N3AOT | | | | | |
| /M2 | | 15,308 | 71 | 25 | 61 |
| W1T2A | | 9,648 | 51 | 24 | 48 |
| W2YY | | 7,670 | 54 | 23 | 42 |
| W1Z2A | | 4,440 | 39 | 13 | 27 |
| W2XM | | 3,198 | 31 | 17 | 24 |
| N2KA | | 3,010 | 30 | 20 | 23 |
| K2M2P | | 748 | 15 | 8 | |
| KA2ZR | 28 | 733,040 | 1485 | 33 | 143 |
| KD2RD | | 689,653 | 1442 | 32 | 131 |
| NA2E | | 461,390 | 1090 | 31 | 114 |
| W2HG | | 416,465 | 861 | 34 | 129 |
| KA2AEV | | 317,282 | 878 | 30 | 101 |
| K2ZI | | 265,221 | 660 | 27 | 114 |
| K2MFY | | 251,304 | 595 | 30 | 118 |
| N2JRY | | 135,184 | 343 | 30 | 112 |
| W2FA | | 124,200 | 315 | 31 | 107 |
| K2DLG | | 78,368 | 178 | 30 | 128 |
| KA2AWE | | 69,000 | 263 | 23 | 69 |
| WB2DND | | 63,308 | 226 | 21 | 77 |
| KB2EIK | | 54,032 | 223 | 23 | 65 |
| KB2HNY | | 51,976 | 212 | 22 | 67 |
| KB2HUN | | 51,744 | 213 | 22 | 66 |
| K2KTJ | | 35,952 | 172 | 21 | 63 |
| N2JZJ | | 34,935 | 174 | 23 | 65 |
| KB2FDO | | 34,160 | 150 | 18 | 62 |
| KA2CJF | | 27,368 | 147 | 20 | 47 |
| N2JTW | | 23,800 | 135 | 17 | 53 |
| KB2HZI | | 22,043 | 126 | 21 | 46 |
| KA2WEI | | 20,130 | 117 | 16 | 45 |
| KA2GS | | 16,956 | 113 | 20 | 34 |
| N2IHO | | 15,066 | 105 | 17 | 37 |
| KB2BBG | | 12,996 | 78 | 11 | 36 |
| W2QJK | | 12,870 | 80 | 19 | 46 |
| W2KZE | | 7,826 | 62 | 11 | 34 |
| KB2HXR | | 3,686 | 38 | 11 | 27 |
| K2MK | | 3,286 | 36 | 8 | 23 |
| WS2L | | 1,050 | 18 | 6 | 15 |
| KE2OT | | 1,008 | 17 | 6 | 13 |
| N2JNZ | | 507 | 13 | 3 | 10 |
| N6ZX | 21 | 697,463 | 1412 | 36 | 133 |
| NB2P | | 497,664 | 1059 | 35 | 127 |
| W2IQL | | 101,152 | 324 | 26 | 83 |
| WA2CYQ | | 84,750 | 262 | 28 | 85 |
| K2HFX | 14 | 604,945 | 1151 | 39 | 148 |

| | | | | | |
|---------|--|---------|-----|----|-----|
| W4TMN | | 264,132 | 378 | 63 | 190 |
| K4GFH | | 264,008 | 395 | 75 | 169 |
| W2HTI/4 | | 239,134 | 330 | 80 | 186 |
| KM4KJ | | 234,955 | 369 | 70 | 175 |
| KX4R | | 226,600 | 389 | 55 | 151 |
| WA4CTC | | 216,812 | 293 | 88 | 180 |
| K2ADE/4 | | 216,768 | 391 | 49 | 143 |
| W4LMJ | | 203,850 | 337 | 63 | 162 |
| NA4H | | 197,960 | 254 | 81 | 199 |
| W3GW/4 | | 194,936 | 298 | 62 | 174 |
| WD4BHM | | 165,048 | 296 | 52 | 132 |
| WK-4 | | 160,500 | 265 | 57 | 157 |
| WA5DTK | | 157,560 | 293 | 60 | 142 |
| N3RC/4 | | 142,884 | 278 | 54 | 135 |
| K4BAM | | 120,916 | 252 | 52 | 120 |
| NA4XA2 | | 94,860 | 254 | 51 | 119 |
| W4WJJ | | 82,804 | 183 | 46 | 117 |
| N4FVL | | 79,086 | 204 | 47 | 100 |
| KM4MG | | 77,953 | 204 | 38 | 99 |
| AB4HO | | 72,940 | 193 | 38 | 92 |
| N4PKL | | 63,048 | 180 | 44 | 98 |
| WA4MCZ | | 51,246 | 156 | 31 | 86 |
| AB4IO | | 49,445 | 130 | 52 | 93 |
| AB4EL | | 39,680 | 126 | 40 | 84 |
| AA4KD | | 33,033 | 131 | 26 | 65 |
| N4WYH | | 31,668 | 126 | 24 | 67 |
| N4PUV | | 30,118 | 145 | 17 | 57 |
| K5OTI/4 | | 26,361 | 105 | | |

| | | | | | | | | | | |
|---------|-----------|-----------|------|-----|---------------|--------------|-----------|------|-----|-----|
| WGOK | 38,456 | 156 | 26 | 62 | K3ZJ/8 | 28 | 806,140 | 1656 | 34 | 136 |
| N6RJ | 7 | 34,560 | 142 | 24 | 66 | N8FEH | 218,822 | 546 | 31 | 111 |
| K5KT/6 | 9,760 | 63 | 19 | 42 | K8FBS | 128,628 | 419 | 23 | 85 | |
| K6HAM | 7,900 | 63 | 17 | 33 | KFBST | 112,190 | 303 | 29 | 101 | |
| W6RJ | 3.8 | 30,848 | 253 | 21 | 43 | N8MK | 38,732 | 153 | 21 | 71 |
| N6JC | 2,652 | 32 | 14 | 20 | K8BHZE | 28,196 | 133 | 21 | 55 | |
| K7RI | A | 2,302,805 | 1958 | 119 | 296 | K8VPL | 14,300 | 114 | 17 | 27 |
| N7L | 1,955,764 | 1679 | 123 | 289 | N8JS | 6,864 | 50 | 17 | 31 | |
| N7TT | 1,398,495 | 1257 | 121 | 278 | N8JHG | 2,550 | 29 | 14 | 20 | |
| WZ7J | 829,440 | 831 | 102 | 258 | AF8C | 455 | 15 | 6 | 7 | |
| KCTUO | 585,090 | 623 | 98 | 232 | N8JEC | 21 | 299,094 | 681 | 34 | 124 |
| WE7B | 550,401 | 783 | 88 | 183 | W8M | 239,294 | 583 | 33 | 113 | |
| WG7A | 426,591 | 548 | 89 | 190 | KFBK | 127,140 | 344 | 30 | 100 | |
| KS7T | 421,344 | 691 | 70 | 161 | N8XS | 63,896 | 244 | 20 | 78 | |
| NY7T | 342,771 | 568 | 80 | 141 | K8RWL | 44,462 | 161 | 26 | 68 | |
| WA7FAB | 342,500 | 499 | 89 | 185 | K8KUH | 14 | 19,710 | 96 | 18 | 55 |
| KA7MCX | 335,616 | 526 | 62 | 166 | WA8NDE | 16,660 | 100 | 20 | 48 | |
| W7LG | 328,890 | 424 | 76 | 209 | AD8C | 7 | 44,778 | 162 | 25 | 77 |
| N87N | 305,760 | 591 | 73 | 122 | WB8SMS | /8 | 11,842 | 78 | 17 | 45 |
| KCTUP | 254,740 | 401 | 74 | 161 | W8CD/8 | 3.8 | 16,043 | 130 | 17 | 44 |
| KA7EQS | 253,800 | 459 | 68 | 132 | W8RK | 1,474 | 30 | 9 | 13 | |
| W7HS | 250,640 | 376 | 83 | 158 | W9RE | A | 3,215,696 | 1875 | 142 | 462 |
| NN7F | 240,870 | 404 | 73 | 149 | K8CAN | 948,703 | 782 | 115 | 318 | |
| N7MJZ | 214,564 | 469 | 61 | 133 | WE9R | 940,104 | 839 | 109 | 287 | |
| W7GUR | 214,011 | 326 | 78 | 159 | W9EV | 866,980 | 935 | 89 | 246 | |
| K7RA | 210,987 | 378 | 63 | 134 | W9GX | 725,460 | 800 | 82 | 239 | |
| K7GEX | 186,375 | 320 | 74 | 139 | W9GR | 652,422 | 676 | 94 | 260 | |
| W7XN | 178,976 | 273 | 79 | 157 | W9OP | 594,088 | 685 | 69 | 245 | |
| KCTDB | 177,552 | 306 | 69 | 147 | AF9Y | 583,176 | 559 | 109 | 267 | |
| KCTFV | 173,505 | 293 | 66 | 149 | K8B0/9 | 543,576 | 560 | 96 | 252 | |
| WC7S | 164,116 | 420 | 70 | 108 | K9AYM | 505,404 | 601 | 85 | 218 | |
| N7ENU | 154,440 | 303 | 70 | 110 | K9UUN | 359,805 | 510 | 64 | 185 | |
| KA7IGE | 145,296 | 344 | 51 | 93 | KA9JL | 325,759 | 438 | 81 | 188 | |
| N7IRR | 136,396 | 297 | 53 | 119 | W9NA | 313,052 | 447 | 69 | 175 | |
| WK7Z | 125,400 | 213 | 73 | 147 | KD9HT | 310,566 | 420 | 69 | 202 | |
| W87NRC | 115,731 | 241 | 68 | 99 | NG9L | 278,822 | 457 | 57 | 161 | |
| KAGV/7 | 104,940 | 235 | 55 | 104 | W9CA | 267,032 | 414 | 62 | 170 | |
| W7ON | 92,757 | 228 | 46 | 101 | N9C | 231,352 | 370 | 65 | 174 | |
| KR7L | 89,224 | 211 | 55 | 97 | K89AT | 167,090 | 280 | 75 | 142 | |
| WA7BAY | 84,384 | 212 | 52 | 92 | W9NS | 157,248 | 267 | 69 | 155 | |
| N7LOX | 76,342 | 209 | 51 | 82 | K9LIN | 109,705 | 222 | 55 | 130 | |
| W7WHY | 64,024 | 158 | 57 | 94 | W9TNZ | 72,068 | 159 | 68 | 104 | |
| KCTOO | 60,192 | 167 | 48 | 84 | N9CUL | 62,338 | 150 | 51 | 91 | |
| W7IIT | 59,826 | 178 | 48 | 70 | W9GGY | 47,880 | 139 | 44 | 89 | |
| N7ER | 59,228 | 155 | 49 | 85 | W9FEN | 39,380 | 128 | 37 | 73 | |
| N7JAM | 54,560 | 163 | 46 | 78 | W9WNO | 37,504 | 118 | 41 | 87 | |
| K7WA | 38,190 | 123 | 33 | 81 | WA9ZSO | 29,505 | 104 | 34 | 71 | |
| WA7IIM | 29,216 | 118 | 32 | 56 | N9ACD | 18,928 | 76 | 29 | 62 | |
| WA7UVJ | 24,642 | 118 | 29 | 45 | KA9HDN | 18,040 | 80 | 24 | 58 | |
| W7VH | 16,660 | 92 | 28 | 40 | W9LYN | 16,235 | 78 | 33 | 52 | |
| WC7Q | 15,400 | 75 | 28 | 49 | KA9NNI | 15,288 | 64 | 32 | 52 | |
| KD7C | 4,300 | 32 | 21 | 29 | W9YCV | 5,828 | 34 | 28 | 34 | |
| WA7TUX | 4,240 | 56 | 17 | 23 | W8AIH/9 | 28 | 793,507 | 1532 | 33 | 146 |
| N7BE | 28 | 628,075 | 1234 | 34 | 141 | (Opr. N8BSH) | | | | |
| K7IDX | 444,467 | 1333 | 35 | 122 | K9A | 549,524 | 1191 | 34 | 124 | |
| N7WQ | 318,096 | 815 | 31 | 113 | K9MDO | 313,678 | 764 | 31 | 111 | |
| K7HBN | 247,142 | 654 | 31 | 108 | WA9CDY | 290,070 | 632 | 33 | 132 | |
| N07M | 132,360 | 379 | 32 | 88 | K9G | 240,660 | 597 | 34 | 106 | |
| W7AYY | 86,208 | 319 | 27 | 69 | W9H | 196,185 | 418 | 33 | 132 | |
| K87IRF | 74,336 | 258 | 26 | 75 | W9YGG | 160,962 | 408 | 34 | 105 | |
| K7SE | 70,902 | 246 | 27 | 64 | W9SJK | 140,622 | 356 | 29 | 109 | |
| W7KKR | 64,952 | 257 | 28 | 74 | N9HMZ | 58,480 | 231 | 26 | 60 | |
| N7CTY | 59,280 | 259 | 21 | 59 | W9JCH | 47,047 | 186 | 22 | 69 | |
| KE7GL | 46,410 | 216 | 24 | 54 | W9HID | 36,265 | 103 | 21 | 102 | |
| KQ7I | 44,895 | 215 | 23 | 50 | W9YB | 32,058 | 150 | 19 | 59 | |
| KX7J | 42,210 | 196 | 25 | 65 | (Opr. KA3VCJ) | | | | | |
| W87VUB | 34,124 | 162 | 26 | 50 | W9NWX | 18,957 | 94 | 19 | 52 | |
| WY7U | 33,943 | 139 | 27 | 64 | WA9GON | 18,601 | 74 | 26 | 63 | |
| N07Q | 26,296 | 137 | 22 | 54 | K9BCRY | 11,960 | 107 | 16 | 36 | |
| N7KXK | 25,179 | 127 | 25 | 52 | W9DGR | 10,140 | 60 | 18 | 47 | |
| N7MXX | 17,836 | 127 | 15 | 37 | NACC/9 | 21 | 322,410 | 716 | 36 | 129 |
| N7KOV | 5,310 | 48 | 20 | 25 | K9JD | 107,950 | 301 | 27 | 100 | |
| W7WA | 21 | 842,710 | 1760 | 36 | 127 | N9ITX | 70,278 | 245 | 27 | 75 |
| W7RFA | 726,204 | 1731 | 33 | 113 | W9SCX | 40,630 | 175 | 22 | 63 | |
| K7L7R | 600,300 | 1420 | 35 | 115 | N8CD | 14 | 283,500 | 652 | 37 | 125 |
| K7LXC | 514,514 | 1167 | 35 | 119 | K9CLO | 154,290 | 405 | 36 | 103 | |
| W7TJ | 274,720 | 604 | 36 | 124 | K9YNF | 91,125 | 257 | 30 | 95 | |
| K7LZJ | 179,426 | 482 | 33 | 101 | K9KL | 89,798 | 265 | 30 | 88 | |
| W7FP | 89,930 | 294 | 31 | 84 | W9GIL | 78,988 | 228 | 34 | 90 | |
| W7UPF | 89,784 | 315 | 29 | 87 | W9CH | 7 | 21,904 | 110 | 20 | 54 |
| AG7J | 31,773 | 131 | 23 | 66 | K4VX/B | A | 3,115,200 | 1877 | 152 | 438 |
| KE7V | 14 | 235,490 | 587 | 36 | 111 | (Opr. W0BG) | | | | |
| KM7E | 225,060 | 689 | 33 | 99 | N2IC/R | 3,061,852 | 2017 | 138 | 391 | |
| N7NKG | 27,324 | 163 | 19 | 50 | K8RF | 2,278,647 | 1828 | 140 | 301 | |
| N7RK | 7 | 6,783 | 53 | 18 | 33 | NEAT | 851,004 | 776 | 104 | 292 |
| N83 | A | 2,837,423 | 1981 | 124 | 379 | K80G | 617,419 | 554 | 108 | 299 |
| W83KX/B | 2,097,625 | 1527 | 115 | 370 | K9BOL/0 | 562,224 | 641 | 87 | 225 | |
| K8MR | 1,867,918 | 1325 | 122 | 376 | K80L | 474,418 | 543 | 93 | 236 | |
| N87WA | 1,428,742 | 1189 | 111 | 316 | K80UH | 360,680 | 555 | 70 | 184 | |
| K8BHH | 609,984 | 724 | 89 | 247 | W9GT | 345,100 | 357 | 111 | 239 | |
| N8ESB | 520,478 | 584 | 93 | 236 | NS0B | 326,241 | 430 | 80 | 201 | |
| K8BXX | 514,485 | 603 | 90 | 219 | KJ0G | 253,152 | 421 | 74 | 142 | |
| W8UPH | 385,910 | 530 | 67 | 192 | AD7G/0 | 246,568 | 397 | 71 | 167 | |
| N8RZ | 364,752 | 486 | 79 | 193 | W0LZ | 243,397 | 430 | 61 | 142 | |
| W8DEOL | 296,401 | 411 | 71 | 192 | W0PPF | 220,248 | 352 | 65 | 163 | |
| N8AGU | 289,476 | 409 | 73 | 185 | K80AM | 200,736 | 350 | 61 | 143 | |
| W8MEM | 257,730 | 396 | 63 | 179 | WJ0I | 185,545 | 336 | 66 | 149 | |
| K8TMC | 242,780 | 353 | 70 | 174 | W80IEL | 164,600 | 303 | 66 | 134 | |
| K8BWS | 210,512 | 326 | 63 | 173 | K80NB | 125,160 | 329 | 44 | 96 | |
| KE8KG | 145,147 | 299 | 50 | 123 | W80UI | 120,927 | 261 | 52 | 121 | |
| N8AHA | 116,056 | 249 | 48 | 115 | W80S | 110,080 | 232 | 54 | 118 | |
| W8YGR | 96,333 | 183 | 61 | 103 | KA0ZPP | 90,886 | 205 | 52 | 116 | |
| W8BYM | 86,550 | 138 | 47 | 136 | N80H | 84,952 | 173 | 48 | 116 | |
| N8LCI | 57,684 | 160 | 41 | 91 | W80G | 69,452 | 171 | 64 | 115 | |
| W8OK | 19,995 | 83 | 39 | 54 | | | | | | |
| W8IDM | 2,176 | 25 | 13 | 19 | | | | | | |
| N8KTU | 1,632 | 23 | 7 | 17 | | | | | | |

| | | | | | | | | | |
|---------------------------------|-----------|-----------|-----------|------|---------------|-----|--|--|--|
| WORLD SINGLE OPERATOR UNLIMITED | | | | | | | | | |
| All Band | | | | | | | | | |
| 1. YT3AA | 5,756,932 | 6. W2GD | 2,522,290 | | | | | | |
| 2. K1ZM/2 | 4,043,592 | 7. KE3Q | 2,335,325 | | | | | | |
| 3. AA1K/3 | 3,444,575 | 8. AG1C | 2,026,500 | | | | | | |
| 4. K3WW | 3,051,528 | 9. AD3V | 1,909,321 | | | | | | |
| 5. AK1A | 2,734,920 | 10. K1VR | 1,867,621 | | | | | | |
| DOMINICAN REPUBLIC | | | | | | | | | |
| JP1DMX | 28 | 192,160 | 1074 | 20 | 60 | | | | |
| /HIS | 3.8 | 19,317 | 194 | 10 | 37 | | | | |
| EL SALVADOR | | | | | | | | | |
| HU1AA | A | 3,965,016 | 3204 | 122 | 384 | | | | |
| YS10D | 28 | 270,270 | 1299 | 22 | 69 | | | | |
| HONDURAS | | | | | | | | | |
| JA6WFM | 28 | 1,033,613 | 2801 | 31 | 118 | | | | |
| /HRZ | | | | | | | | | |
| MARTINIQUE | | | | | | | | | |
| FM/G3GAF | A | 610,092 | 1566 | 54 | 135 | | | | |
| FM5EB | 21 | 1,242,759 | 3204 | 34 | 127 | | | | |
| MEXICO | | | | | | | | | |
| GD2KB | A | 975,573 | 2366 | 64 | 119 | | | | |
| XE2GCK | ** | 294,767 | 1041 | 54 | 73 | | | | |
| XE2GCK | ** | 121,875 | 399 | 50 | 75 | | | | |
| XE2NWH | 28 | 105,768 | 692 | 22 | 50 | | | | |
| XE3XE | 14 | 441,938 | 1485 | 31 | 101 | | | | |
| PUERTO RICO | | | | | | | | | |
| KP4CZ | A | 26,811 | 136 | 30 | 51 | | | | |
| WP4GQB | 28 | 375,242 | 1743 | 24 | 74 | | | | |
| NP4CC | 21 | 1,057,081 | 2871 | 33 | 124 | | | | |
| NP4P | 7 | 127,114 | 588 | 21 | 71 | | | | |
| ST. MARTIN | | | | | | | | | |
| PJ7A | A | 3,758,120 | 4095 | 96 | 280 | | | | |
| | | | | | (Opr. JA7RHJ) | | | | |
| ST. VINCENT | | | | | | | | | |
| J88 | /W9NSZ | A | 2,134,561 | 3174 | 75 | 224 | | | |
| TURKS AND CAICOS | | | | | | | | | |
| VP5T | A | 6,134,480 | 5686 | 103 | 337 | | | | |
| | | | | | (Opr. NM2Y) | | | | |
| U.S. VIRGIN ISLANDS | | | | | | | | | |
| KP2 | /W1FM | A | 183,918 | 532 | 43 | 108 | | | |
| KP2A | 28 | 2,194,852 | 5408 | 34 | 132 | | | | |
| | | | | | (Opr. KW8N) | | | | |
| AFRICA | | | | | | | | | |
| BURKINA FASO | | | | | | | | | |
| XT2BW | A | 4,292 | 42 | 18 | 19 | | | | |
| CANARY ISLANDS | | | | | | | | | |
| EA8RCT | A | 9,668,047 | 5903 | 117 | 432 | | | | |
| | | | | | (Opr. N6KT) | | | | |
| EA8EVH | ** | 811,361 | 968 | 74 | 209 | | | | |
| EA8DM | ** | 374,863 | 562 | 56 | 167 | | | | |
| EA8EDR | ** | 138,933 | 364 | 40 | 89 | | | | |
| EA8AXN | ** | 17,850 | 115 | 23 | 62 | | | | |
| EA8 | | | | | | | | | |
| /G8KPW | 28 | 251,425 | 1045 | 22 | 67 | | | | |
| EA8BOE | ** | 88,200 | 497 | 23 | 83 | | | | |
| EA8ACH | 21</ | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|---------|------|-----|-----|----------|-----|-----------|------|-----|-----|-------------------------|-----|---------|------|----|-----|----------------|-----|---------|------|----|-----|--------------------------------|----|-----------|------|-----|-----|--|--|
| JO1LDY | ** | 2,090 | 37 | 11 | 11 | JA6JVY | ** | 8,528 | 60 | 23 | 29 | HS8B | 14 | 28,362 | 289 | 26 | 32 | OE6WIG | 21 | 110,858 | 547 | 25 | 79 | OK1DWJ | ** | 4,329 | 115 | 6 | 31 | | |
| JA1AAV | ** | 1,980 | 24 | 11 | 13 | JA6JXO | ** | 7,708 | 58 | 20 | 27 | OE4BKU | 3.8 | 23,595 | 383 | 10 | 45 | OK1JDX | ** | 4,192 | 131 | 5 | 27 | OK3CSQ | ** | 624 | 23 | 5 | 21 | | |
| JA2SAP/1 | ** | 1,012 | 16 | 10 | 19 | J160WY | ** | 7,650 | 57 | 21 | 29 | TURKEY | | | | | | | | | | | | | | | | | | | |
| JA1AAT | ** | 544 | 12 | 7 | 5 | J16ICJ | ** | 7,482 | 64 | 18 | 25 | CU2AF | 21 | 139,888 | 619 | 24 | 88 | AZORES | | | | | | | | | | | | | |
| JH1WTR | ** | 450 | 17 | 5 | 5 | J16CQW | ** | 7,172 | 61 | 20 | 24 | BALEARIC ISLANDS | | | | | | | | | | | | | | | | | | | |
| JA1VWV | ** | 276 | 9 | 6 | 6 | JA6BIF | 28 | 210,120 | 700 | 31 | 72 | EA6PG | A | 45,368 | 275 | 27 | 79 | EC6PG | A | 45,368 | 275 | 27 | 79 | OK2ZAC | A | 702,396 | 757 | 122 | 314 | | |
| JA1USO | 21 | 671,652 | 1420 | 36 | 126 | JAGEFT | ** | 95,580 | 375 | 29 | 61 | EA6WX | 28 | 566,272 | 2300 | 27 | 85 | EA6WX | 28 | 566,272 | 2300 | 27 | 85 | OZ2DX | ** | 231,768 | 682 | 50 | 172 | | |
| J10UL | ** | 492,936 | 1134 | 36 | 116 | JA6WIF | ** | 62,190 | 242 | 27 | 63 | EA6WV | ** | 5,104 | 56 | 13 | 31 | EA6WV | ** | 5,104 | 56 | 13 | 31 | OZ2PI | ** | 95,040 | 243 | 53 | 127 | | |
| JG1TSF | ** | 349,076 | 896 | 36 | 101 | JA6ODU | ** | 40,552 | 195 | 27 | 42 | EA6FO | 21 | 581,348 | 1955 | 34 | 108 | EA6FO | 21 | 581,348 | 1955 | 34 | 108 | OZ2ZE/A | ** | 61,952 | 281 | 40 | 81 | | |
| JA1YAD | ** | 253,260 | 688 | 35 | 99 | JA6RXX | ** | 26,455 | 144 | 23 | 42 | EA6GNW | ** | 81,648 | 616 | 25 | 83 | EA6GNW | ** | 81,648 | 616 | 25 | 83 | OZ2PI | ** | 50,799 | 321 | 26 | 97 | | |
| (Opr. J9AMJ) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JH1CMW | ** | 245,934 | 743 | 32 | 85 | JR6KBY | 21 | 151,970 | 432 | 34 | 96 | U.S.S.R. ARMENIA | | | | | | | | | | | | | | | | | | | |
| JE1DXC | ** | 38,916 | 154 | 31 | 61 | JA6DBS | ** | 8,648 | 108 | 23 | 24 | UG6JJ | 28 | 26,304 | 139 | 16 | 48 | BELGIUM | | | | | | | | | | | | | |
| JE1UFF | ** | 26,180 | 150 | 26 | 44 | JH6MRA | ** | 8,316 | 71 | 18 | 26 | ON5CZ | A | 24,120 | 180 | 25 | 65 | ON5CZ | A | 24,120 | 180 | 25 | 65 | OZ2AD | ** | 11,186 | 65 | 29 | 45 | | |
| JA1DCO | ** | 15,478 | 83 | 26 | 45 | JH6JTI | ** | 3,335 | 42 | 14 | 15 | ON4AHG | ** | 19,647 | 98 | 36 | 75 | ON4AHG | ** | 19,647 | 98 | 36 | 75 | OZ2AX | ** | 29,430 | 107 | 49 | 86 | | |
| JL1KHU | ** | 15,455 | 105 | 22 | 33 | JG6QNY | ** | 1,850 | 30 | 10 | 15 | ON5EU | ** | 2,160 | 46 | 12 | 33 | ON5EU | ** | 2,160 | 46 | 12 | 33 | OZ2BE | ** | 14,134 | 65 | 29 | 45 | | |
| JH1XIT | ** | 6,627 | 53 | 18 | 19 | JA6YFL | 14 | 42,504 | 182 | 28 | 60 | ON4ALL | 28 | 178,600 | 659 | 26 | 68 | ON4ALL | 28 | 178,600 | 659 | 26 | 68 | OZ2BY | ** | 11,186 | 65 | 29 | 45 | | |
| JO1VEI | ** | 4,590 | 67 | 14 | 16 | JA7MAD | A | 485,012 | 595 | 100 | 102 | ON4ZD | ** | 56,800 | 284 | 25 | 55 | ON4ZD | ** | 56,800 | 284 | 25 | 55 | OZ2IB | ** | 6,767 | 59 | 23 | 44 | | |
| JA1JLP | ** | 4,104 | 42 | 18 | 20 | JA7JHT | ** | 208,530 | 353 | 80 | 130 | ON4KST | 21 | 287,210 | 1052 | 26 | 84 | ON4KST | 21 | 287,210 | 1052 | 26 | 84 | OZ2IB | ** | 29,925 | 188 | 42 | 91 | | |
| JA1XPU | ** | 3,944 | 62 | 13 | 16 | JA7YSO | ** | 31,772 | 120 | 42 | 52 | ON4XG | ** | 96,096 | 442 | 24 | 88 | ON4XG | ** | 96,096 | 442 | 24 | 88 | OZ2IB | ** | 6,336 | 45 | 19 | 45 | | |
| JA9BFA/1 | ** | 2,492 | 31 | 13 | 15 | J17RVJ | ** | 27,744 | 100 | 40 | 62 | ON5KL | 14 | 29,205 | 150 | 24 | 75 | ON5KL | 14 | 29,205 | 150 | 24 | 75 | OZ2IB | ** | 6,336 | 45 | 19 | 45 | | |
| J11MAK | ** | 688 | 17 | 8 | 8 | JA7YBB | ** | 15,504 | 105 | 31 | 37 | BULGARIA | | | | | | | | | | | | | | | | | | | |
| JL1WZU | ** | 667 | 19 | 10 | 13 | JH7DNO | 28 | 741,520 | 2515 | 32 | 98 | LZ1KVY | A | 227,475 | 394 | 80 | 255 | LZ1KVY | A | 227,475 | 394 | 80 | 255 | OZ2IB/P | 21 | 133,056 | 580 | 25 | 14 | | |
| JR1GG8 | ** | 30 | 3 | 5 | 6 | JR1EEG/7 | ** | 461,040 | 1383 | 34 | 79 | LZ1HY | ** | 57,660 | 242 | 47 | 77 | LZ1HY | ** | 57,660 | 242 | 47 | 77 | OZ2IB | ** | 99,485 | 458 | 26 | 75 | | |
| JH10JU | 14 | 290,832 | 717 | 38 | 108 | JZ7HFL | ** | 326,370 | 670 | 55 | 110 | LZ1BJ | ** | 15,698 | 83 | 32 | 62 | LZ1BJ | ** | 15,698 | 83 | 32 | 62 | OZ2IB | ** | 2,241 | 62 | 19 | 19 | | |
| JA1VBW | ** | 44,840 | 175 | 32 | 63 | JZ7XGN | ** | 310,970 | 881 | 35 | 86 | LZ1TS | ** | 14,476 | 114 | 19 | 58 | LZ1TS | ** | 14,476 | 114 | 19 | 58 | OZ2IB | ** | 40,868 | 430 | 19 | 49 | | |
| JA1G0 | ** | 31,164 | 109 | 30 | 76 | JE7DOT | ** | 251,180 | 477 | 71 | 119 | LZ1HQ | ** | 11,648 | 102 | 18 | 46 | LZ1HQ | ** | 11,648 | 102 | 18 | 46 | OZ2IB | ** | 12,384 | 257 | 6 | 42 | | |
| JR2AGL | A | 749,866 | 891 | 107 | 195 | JA7WNE | ** | 198,716 | 760 | 28 | 66 | LZ1W | 28 | 695,840 | 1877 | 37 | 123 | LZ1W | 28 | 695,840 | 1877 | 37 | 123 | ENGLAND | | | | | | | |
| JM2QWQ | ** | 404,768 | 542 | 95 | 183 | JH7CJM | ** | 30,960 | 126 | 26 | 60 | LZ2KAD | ** | 462,560 | 1372 | 36 | 104 | LZ2KAD | ** | 462,560 | 1372 | 36 | 104 | G3NSN | A | 2,578,834 | 2411 | 114 | 347 | | |
| JA2THS | ** | 271,580 | 515 | 77 | 108 | JR2LVK | ** | 24,304 | 155 | 19 | 37 | LZ2ES | ** | 419,520 | 1591 | 30 | 84 | LZ2ES | ** | 419,520 | 1591 | 30 | 84 | G3HSD | ** | 464,422 | 944 | 83 | 226 | | |
| JA2DLM | ** | 245,904 | 337 | 101 | 173 | JG7LBN | ** | 4,588 | 47 | 14 | 23 | LZ1CW | ** | 158,816 | 781 | 26 | 86 | LZ1CW | ** | 158,816 | 781 | 26 | 86 | G4NXG/M | ** | 127,065 | 310 | 57 | 158 | | |
| JH2HFD | ** | 197,568 | 381 | 76 | 120 | JZ7JZB | ** | 3,654 | 47 | 15 | 14 | LZ2HU | ** | 20,472 | 454 | 24 | 60 | LZ2HU | ** | 20,472 | 454 | 24 | 60 | G3LNS | 28 | 1,005,585 | 2473 | 35 | 122 | | |
| JZ2EEN | ** | 65,728 | 239 | 39 | 65 | JA7AXP | 21 | 251,990 | 762 | 32 | 81 | LZ1BJ | 21 | 142,861 | 701 | 28 | 75 | LZ1BJ | 21 | 142,861 | 701 | 28 | 75 | G4LJF | ** | 620,700 | 1663 | 35 | 115 | | |
| JA2YU | ** | 61,740 | 213 | 40 | 65 | JA7BZW | ** | 230,036 | 642 | 35 | 96 | LZ2OZ | ** | 95,256 | 585 | 23 | 75 | LZ2OZ | ** | 95,256 | 585 | 23 | 75 | G600 | ** | 12,900 | 129 | 16 | 34 | | |
| JK2WHS | ** | 14,553 | 101 | 30 | 33 | JA7BEW | ** | 69,064 | 285 | 27 | 62 | LZ2VP | ** | 89,726 | 610 | 20 | 71 | LZ2VP | ** | 89,726 | 610 | 20 | 71 | G4JQL | ** | 20,496 | 171 | 15 | 27 | | |
| JH2HDC | ** | 14,364 | 71 | 41 | 43 | JE7JZT | ** | 10,500 | 53 | 24 | 51 | LZ1WD | 14 | 71,830 | 375 | 28 | 82 | LZ1WD | 14 | 71,830 | 375 | 28 | 82 | G3TXX | 21 | 154,632 | 544 | 31 | 105 | | |
| JH2XTV | ** | 1,380 | 29 | 11 | 12 | JH7KTI | ** | 3,348 | 52 | 12 | 19 | LZ1G0 | ** | 42,390 | 271 | 22 | 68 | LZ1G0 | ** | 42,390 | 271 | 22 | 68 | FEDERAL REP. OF GERMANY | | | | | | | |
| JH2BCN | 28 | 294,764 | 872 | 33 | 85 | JH7HJF | ** | 1,272 | 25 | 12 | 12 | LZ2TF | ** | 11,934 | 186 | 11 | 43 | LZ2TF | ** | 11,934 | 186 | 11 | 43 | DK2XX | A | 1,834,105 | 1735 | 341 | 114 | | |
| JH10A/2 | ** | 200,954 | 580 | 31 | 87 | JR7DHO | ** | 64 | 4 | 4 | 4 | LZ2VZ | ** | 13,350 | 153 | 11 | 39 | LZ2VZ | ** | 13,350 | 153 | 11 | 39 | DL3LU | ** | 1,114,308 | 1048 | 114 | 354 | | |
| JA2FXB | ** | 171,976 | 699 | 28 | 55 | J51DCZ/7 | ** | 64 | 4 | 4 | 4 | LZ2ZY | ** | 8,878 | 159 | 10 | 36 | LZ2ZY | ** | 8,878 | 159 | 10 | 36 | OJ8FT | ** | 1,081,897 | 1248 | 97 | 294 | | |
| JA2AXB | ** | 171,488 | 634 | 29 | 63 | JA7SGV | 14 | 491,400 | 1022 | 40 | 128 | LZ1KWZ | 1.8 | 20,295 | 344 | 7 | 48 | LZ1KWZ | 1.8 | 20,295 | 344 | 7 | 48 | DJ8UV | ** | 1,067,664 | 1397 | 80 | 274 | | |
| JE2IFM | ** | 105,888 | 391 | 28 | 68 | JH7QXJ | ** | 149,047 | 476 | 32 | 81 | CZECHOSLOVAKIA | | | | | | | | | | | | | | | | | | | |
| JA2DS | ** | 80,295 | 278 | 31 | 70 | JA7JH | ** | 45,288 | 150 | 33 | 78 | OK2RU | A | 817,238 | 1109 | 93 | 308 | OK2RU | A | 817,238 | 1109 | 93 | 308 | DK2XX | A | 1,834,105 | 1735 | 341 | 114 | | |
| JR2MLV | ** | 71,085 | 319 | 28 | 50 | JA7MY | ** | 496 | 11 | 8 | 8 | OK2KR | ** | 486,013 | 1243 | 93 | 298 | OK2KR | ** | 486,013 | 1243 | 93 | 298 | DL3LU | ** | 1,114,308 | 1048 | 114 | 354 | | |
| JA2DHL | ** | 43,878 | 214 | 27 | 44 | JH7WQK | 7 | 33,480 | 210 | 21 | 39 | OK2JAG | ** | 369,600 | 697 | 93 | 298 | OK2JAG | ** | 369,600 | 697 | 93 | 298 | OJ8FT | ** | 1,081,897 | 1248 | 97 | 294 | | |
| JA2QJ | ** | 35,584 | 192 | 19 | 45 | JA7UMT | 3.8 | 5,661 | 73 | 16 | 21 | OK2B0 | ** | 342,305 | 526 | 87 | 220 | OK2B0 | ** | 342,305 | 526 | 87 | 220 | DJ8UV | ** | 1,067,664 | 1397 | 80 | 274 | | |
| JA2MFC | ** | 32,660 | 158 | 21 | 50 | JA8RWU | A | 2,202,159 | 1994 | 121 | 276 | OK2BL | ** | 341,864 | 518 | 89 | 213 | OK2BL | ** | 341,864 | 518 | 89 | 213 | DJ8UV/P | ** | 890,709 | 1061 | 96 | 271 | | |
| JA2ODV | ** | 24,440 | 135 | 23 | 42 | JH8NFV | 28 | 762,003 | 2015 | 33 | 96 | OK2B8 | ** | 293,168 | 597 | 67 | 184 | OK2B8 | ** | 293,168 | 597 | 67 | 184 | DF1UQ | ** | 805,464 | 1208 | 84 | 255 | | |
| JG2LGM | ** | 2,304 | 33 | 12 | 12 | JH8DBY | ** | 55,224 | 267 | 25 | 47 | OK2B9 | ** | 262,056 | 745 | 59 | 185 | OK2B9 | ** | 262,056 | 745 | 59 | 185 | DJ3HJ | ** | 725,760 | 1081 | 80 | 190 | | |
| JF2GYH | ** | 1,782 | 55 | 5 | 6 | JR8FLY | ** | 37,310 | 213 | 23 | 42 | OK2B1 | ** | 293,168 | 597 | 67 | 184 | OK2B1 | ** | 293,168 | 597 | 67 | 184 | DJ4AX | ** | 694,341 | 911 | 107 | 324 | | |
| JF2BNN | 21 | 149,041 | 516 | 31 | 72 | JH8ARZ | 21 | 717,320 | 1595 | 27 | 121 | OK2B2 | ** | 342,305 | 526 | 87 | 220 | OK2B2 | ** | 342,305 | 526 | 87 | 220 | DL6DX | ** | 558,415 | 750 | 83 | 272 | | |
| JA2EU | ** | 140,008 | 620 | 29 | 59 | JH8DHV | ** | 10,166 | 89 | 19 | 27 | OK2B3 | ** | 341,864 | 518 | 89 | 213 | OK2B3 | ** | 341,864 | 518 | 89 | 213 | DK8AX | ** | 348,300 | 420 | 115 | 272 | | |
| JG2MLI | ** | 60,945 | 272 | 27 | 58 | JH8JBX | 14 | 62,748 | 212 | 32 | 76 | OK2PDT | ** | 293,168 | 597 | 67 | 184 | OK2PDT | ** | 293,168 | 597 | 67 | 184 | DL1KJ | ** | 337,512 | 602 | 84 | 244 | | |
| JA2QC0 | ** | 51,568 | 207 | 28 | 60 | JH8DEH | ** | 16,175 | 218 | 14 | 11 | OK2P1 | ** | 262,056 | 745 | 59 | 185 | OK2P1 | ** | 262,056 | 745 | 59 | 185 | DK5WQ | ** | 322,196 | 639 | 78 | 233 | | |
| JF2PXB | ** | 8,651 | 80 | 18 | 23 | JA8XVM | 7 | 221,180 | 749 | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|-----|---------|-----|----|----|--------|-----|---------|------|----|----|--------|-----|-----------|------|-----|-----|--------|----|---------|------|----|-----|--------|----|---------|-----|----|-----|
| Y08CIY | .. | 1,952 | 53 | 18 | 24 | EA5ETP | .. | 14,374 | 155 | 15 | 38 | WALE | | | | | | LY20U | .. | 331,160 | 1023 | 33 | 103 | UB5MLP | .. | 206,670 | 430 | 74 | 200 |
| Y02AIX | .. | 240 | 12 | 7 | 9 | EASFEU | .. | 14,235 | 85 | 24 | 49 | GW4BLE | A | 4,058,880 | 3048 | 124 | 436 | LY2DM | .. | 256,566 | 851 | 30 | 62 | UB5JFV | .. | 173,400 | 573 | 52 | 148 |
| Y05KLE | 28 | 78,128 | 420 | 24 | 58 | EASRCL | .. | 12,100 | 122 | 18 | 37 | GW8ARK | .. | 1,187,274 | 1739 | 80 | 268 | LY2SA | .. | 56,170 | 287 | 27 | 63 | RB5IO | .. | 167,739 | 381 | 72 | 181 |
| Y02LBN | .. | 39,468 | 180 | 26 | 66 | EA7EYL | .. | 11,275 | 105 | 16 | 39 | YU2ZJ | A | 889,258 | 1232 | 98 | 286 | LY2PEJ | .. | 30,636 | 232 | 23 | 46 | UB5EPV | .. | 36,448 | 235 | 60 | 76 |
| Y09HP | .. | 30,345 | 358 | 14 | 37 | EA1YV | .. | 2,739 | 32 | 8 | 25 | YU30I | .. | 777,444 | 679 | 86 | 256 | LY2BAT | .. | 12,474 | 149 | 14 | 30 | RB5ICY | .. | 34,300 | 271 | 33 | 77 |
| Y04BEX | .. | 21,835 | 222 | 16 | 39 | EA3FRJ | 21 | 381,160 | 1299 | 34 | 96 | YU7FT | .. | 256,120 | 604 | 55 | 150 | LY2BIS | 21 | 180,402 | 815 | 27 | 80 | UT5U3N | .. | 25,990 | 237 | 22 | 75 |
| Y09AGI | .. | 21,204 | 200 | 18 | 39 | EA3FSZ | .. | 86,112 | 310 | 21 | 75 | YU7LS | .. | 184,170 | 514 | 61 | 149 | LY2BHT | .. | 133,056 | 581 | 31 | 96 | RB5IUJ | .. | 12,546 | 61 | 27 | 55 |
| Y06BZL | .. | 14,664 | 134 | 14 | 33 | EA7PS | .. | 84,456 | 358 | 23 | 85 | YU7YM | .. | 13,464 | 70 | 26 | 70 | LY18XB | .. | 96,031 | 831 | 23 | 60 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y08AII | .. | 5,244 | 80 | 10 | 13 | EA3ELM | .. | 68,250 | 353 | 26 | 79 | YU+POI | .. | 7,502 | 45 | 27 | 35 | UB5IAE | .. | 6,888 | 108 | 10 | 31 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y03AGW | .. | 495 | 14 | 6 | 9 | EA1DHW | .. | 53,599 | 331 | 20 | 71 | YU+PJ | .. | 4,662 | 69 | 13 | 29 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y03AII | 21 | 54,126 | 296 | 24 | 73 | EA1EVW | .. | 35,568 | 292 | 17 | 55 | 4N7ZZ | 28 | 1,371,378 | 2890 | 36 | 150 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y04JL | .. | 41,888 | 200 | 32 | 80 | EA1EYV | .. | 29,304 | 230 | 17 | 57 | YU3VM | .. | 1,178,857 | 2847 | 35 | 116 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y02GZ | .. | 5,376 | 58 | 16 | 32 | EA7CDS | .. | 22,792 | 152 | 18 | 56 | YZ6A | .. | 1,174,817 | 2910 | 37 | 124 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y06JN | 14 | 50,399 | 257 | 26 | 75 | EA3GIG | .. | 20,315 | 164 | 21 | 64 | 4N4A | .. | 956,736 | 2374 | 37 | 114 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y09BSF | .. | 33,538 | 292 | 22 | 60 | EA1CNO | .. | 10,974 | 80 | 15 | 47 | YU3C | .. | 892,320 | 2304 | 34 | 109 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y02BMA | .. | 10,918 | 142 | 14 | 39 | EC7DMU | .. | 7,392 | 71 | 15 | 41 | YU3AY | .. | 716,280 | 1910 | 31 | 110 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y08MF | .. | 10,260 | 137 | 11 | 46 | EC1CTH | .. | 6,292 | 73 | 14 | 38 | YZ2S | .. | 606,250 | 1922 | 32 | 93 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y04PN | .. | 9,955 | 154 | 12 | 43 | EA7AQY | .. | 5,985 | 126 | 10 | 35 | YZ1U | .. | 526,680 | 1552 | 35 | 97 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y08CRU | .. | 9,954 | 109 | 14 | 49 | EA3VM | 14 | 44,268 | 268 | 27 | 75 | YU1JW | .. | 471,168 | 1305 | 34 | 94 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y03DAD | .. | 8,960 | 90 | 15 | 41 | EA5DVL | .. | 17,508 | 141 | 18 | 44 | YU4K | .. | 259,623 | 998 | 24 | 93 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y03JF | 7 | 112,931 | 759 | 10 | 81 | EA4EHO | .. | 13,968 | 147 | 14 | 34 | YU4MV | .. | 24,462 | 209 | 19 | 35 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y06AJI | .. | 35,763 | 296 | 18 | 73 | CA3CVI | .. | 11,950 | 138 | 6 | 28 | YU7SF | .. | 14,840 | 129 | 14 | 39 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y05OAG | .. | 5,412 | 124 | 8 | 33 | CA3EYO | .. | 2,244 | 45 | 6 | 28 | YU3PV | 21 | 894,075 | 2058 | 37 | 138 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y05CTY | .. | 4,342 | 92 | 8 | 34 | EA5AW | .. | 522 | 11 | 10 | 8 | 4N3E | .. | 829,584 | 2093 | 37 | 131 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y04AAC | .. | 540 | 23 | 5 | 15 | EA3NA | 7 | 14,210 | 130 | 15 | 55 | YU1AO | .. | 813,233 | 1811 | 38 | 143 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y06KVZ | 3.8 | 14,392 | 254 | 7 | 49 | EA3UJE | .. | 9,374 | 124 | 14 | 48 | YU7AV | .. | 740,088 | 1961 | 37 | 134 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| Y05BPE | .. | 9,236 | 179 | 7 | 44 | EA5DDE | .. | 451 | 29 | 5 | 14 | YT7W | .. | 548,520 | 1740 | 35 | 140 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | EA5CGU | 3.8 | 39,840 | 353 | 14 | 69 | YU1NR | .. | 191,653 | 704 | 30 | 101 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | YU7YK | .. | 19,530 | 209 | 14 | 45 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | YU1KQ | 14 | 859,825 | 2396 | 38 | 125 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | YU3F | .. | 643,656 | 1926 | 36 | 120 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | YU7BJ | .. | 452,222 | 1370 | 36 | 137 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | YT7A | 7 | 295,820 | 1242 | 32 | 108 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | YT3M | 3.8 | 48,396 | 519 | 15 | 59 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | 4N4K | .. | 29,304 | 325 | 14 | 60 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | YU1KN | .. | 5,330 | 129 | 8 | 33 | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | UB5UHF | .. | 4,806 | 75 | 14 | 40 | UB5JUN | .. | 8,784 | 70 | 16 | 58 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|--|--|---|------------------------------|------------------------------|-------------------------------|---------------------------|-------------------------------|--------------------------------|-------------------------------|--|
| JOHNSTON ISLAND | | PERU | | W8FN 2,842,920 1694 138 458 | | BY50A 895,950 1816 90 185 | | G0CCH 364,590 795 65 178 | | | |
| KNBE /KH3 | A 5,147,070 4702 118 252 | 0A42V A 1,172,080 1549 78 182 | 0A44V " 9,636 58 32 41 | W8SJU 1,001,070 830 115 376 | W8SDI 501,336 608 86 211 | BY4AY 313,575 1127 70 115 | BY5HZ 245,388 1249 58 85 | G0BCSR 71,736 287 23 61 | FEDERAL REP. OF GERMANY | | |
| MARSHALL ISLANDS | | TRINIDAD & TOBAGO | | K8SK 6,040,632 2883 167 574 | | SAUDI ARABIA | | DK6NP 4,338,468 3056 139 470 | | DF0RR 3,109,692 2412 143 450 | |
| KX6DC 3.8 | 71,862 446 23 36 (Opr. N28B) | 9Y4BU A 1,106,136 1191 85 239 | 9Y4VU 21 1,760,520 3506 34 136 | W9L 2,133,330 1523 124 386 | W9LZ 790,585 808 91 254 | HZ1AB 1,650,384 1842 80 234 | | DL0WH 2,442,514 2250 104 354 | DK0IN 1,988,732 2004 116 366 | DL3NBL 1,825,270 1809 117 406 | |
| MICRONESIA | | URUGUAY | | K0CS 2,192,070 1531 136 398 | | U.S.S.R. | | DK0MM 1,366,610 1321 116 374 | | DL1DAS 768,670 926 93 302 | |
| V63DX | A 2,895,100 3794 103 157 (Opr. JA7HMZ) | CW8B 28 1,545,460 3127 36 130 | (Opr. CX8BBH) | | KF0H 1,755,116 1390 121 331 | ARMENIA | | DF0RN 689,430 969 86 316 | DF0CBG 521,950 1072 67 208 | DL0RL 325,458 566 77 210 | |
| NEW CALEDONIA | | VENEZUELA | | N0ENG 1,180,014 1028 107 311 | | ASIATIC RUSSIA | | DLJHT 228,227 522 59 160 | FINLAND | | |
| FK8AW 28 | 34,032 247 19 29 | YV5MBX A 807,786 2037 62 127 | 4M7A " 269,808 602 54 100 (Opr. YV70P) | W0HBH 965,568 839 111 317 | N0ZA 698,560 752 92 228 | UZ9SWR 1,731,940 1773 99 257 | | OH5NQ 6,775,048 4125 156 518 | OH9AR 784,220 1287 91 256 | OH4AB 707,428 983 102 262 | |
| NEW ZEALAND | | YV4YC 28 557,920 1725 29 81 | | N0DLX 330,990 520 72 183 | N0CIX 295,798 422 76 186 | UZ9XWA 847,930 845 106 289 | | YV9NDX 9,104,528 5734 140 512 | FV6LC 2,074,644 2115 94 309 | F6BGC 2,057,872 2696 83 245 | |
| ZM180D A | 2,728,674 2270 114 300 | YV60NP 21 116,559 507 23 58 | 4M5F " 113,336 523 26 51 (Opr. YV5CLM) | K00LX 1,513,211 1182 118 350 | N0CIC 153,211 726 86 217 | UZ9XWA 405,900 667 67 158 | | FF6KPO 667,202 1382 68 203 | FF2LY 302,931 649 60 231 | FF10LQ 127,725 431 55 140 | |
| ZM1IM " " | 113,981 303 58 75 | YV5QJ " 51,774 250 22 51 | 4M3B " 37,410 156 21 65 (Opr. YV3BKU) | K00P 79,977 179 50 109 | NL7KJ 377,223 972 64 97 | UZ9YFL 26,019 162 19 40 | | FF5KK 61,115 328 22 63 | GERMAN DEMOCRATIC REP. | | |
| ZL2GJ/1 21 | 13,140 75 23 37 | YV1A 14 1,509,840 3140 34 128 | 4M5Y " 651,637 1734 30 97 (Opr. YV5LAS) | NL7KJ 377,223 972 64 97 | 8P9X 13,019,028 8151 138 500 | UZ9XWV 4,472 37 23 29 | | Y32CN 1,142,890 1531 97 309 | Y44CO 750,805 1269 91 274 | Y40DRR 458,094 862 70 203 | |
| NIUE | | YV6IDA " 138,795 499 24 71 | | VP9LR 3,869,250 4248 96 279 | BERMUDA | | UZ0WVP 603,356 970 82 201 | | Y44C 750,805 1269 91 274 | Y37CB 63,072 292 32 112 | |
| ZK2HP 28 | 128,443 727 17 42 (Opr. JA10EM) | YV5KIN " 101,360 432 17 63 | YV1C 7 253,053 925 23 70 (Opr. YV1CP) | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | GUERNSEY ISLAND | |
| PHILIPPINES | | YV5LIX " 214,376 748 27 82 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | GUBJCI 463,845 1023 63 192 | |
| KE9A /DU3 | A 2,411,517 2847 110 181 | YV3A 3.8 141,993 615 16 65 (Opr. YV3AZC) | 4M1A 1.8 12,499 155 9 20 | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HUNGARY | |
| DU9RG 28 | 809,842 2108 35 96 | ARGENTINA | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG0X 9,048,818 5308 168 596 | |
| DU3WPX " " | 94,227 651 23 26 | LU8DFZ " 933,400 1238 73 127 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5A 8,816,322 5254 157 561 | |
| DU3GDX 21 | 318,855 1244 29 58 | LV6F " 414,740 642 80 153 (Cpr. LU6FAZ) | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG6N 7,402,076 4871 141 497 | |
| VANUATU | | LU7MAC " 24,708 93 46 70 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG1S 6,056,687 5077 143 446 | |
| YJBR A | 5,133,036 5461 121 285 (Opr. OH1RY) | LU8A " 535,316 1264 34 114 (Cpr. LU8A.K) | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| SOUTH AMERICA | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| ARGENTINA | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU8DFZ " 933,400 1238 73 127 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LV6F " 414,740 642 80 153 (Cpr. LU6FAZ) | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU7MAC " 24,708 93 46 70 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU8A " 535,316 1264 34 114 (Cpr. LU8A.K) | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C 5,594,105 4900 123 404 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG4P 2,137,024 3193 99 277 | |
| LU6EJP " 191,595 720 27 74 | | LU6EJP " 191,595 720 27 74 | | BERMUDA | | 4J5FV 10,333,336 5442 151 525 | | Y40DRR 458,094 862 70 203 | Y37CB 63,072 292 32 112 | HG5C | |

15th Annual Va. Beach HamFest / ComputerFest

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Sept 15 & 16, 1990
Va. Beach, VA



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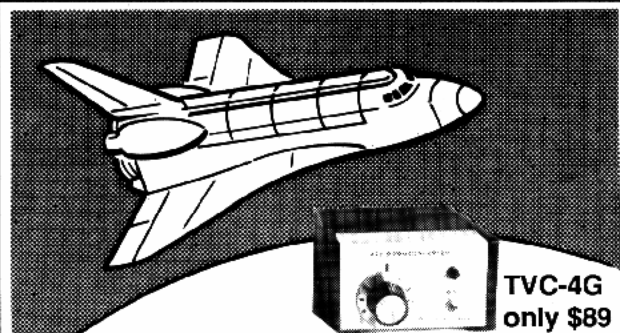
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Visa, MC, COD
Tom (W6ORG)
Maryann (WB6YSS)

CIRCLE 47 ON READER SERVICE CARD

| | | | | |
|--------|-----------|------|-----|-----|
| AD3V | 1,909,321 | 1297 | 115 | 412 |
| NN3Q | 1,557,920 | 1234 | 105 | 350 |
| K3VV | 1,475,040 | 1186 | 103 | 336 |
| W9WY | 1,341,362 | 1156 | 101 | 317 |
| N3II | 1,323,972 | 1007 | 112 | 356 |
| NX3A | 1,134,915 | 928 | 105 | 330 |
| KD3IY | 507,636 | 511 | 96 | 258 |
| K3YGU | 484,932 | 539 | 83 | 239 |
| NK3U | 381,408 | 412 | 94 | 254 |
| K3RL | 356,352 | 377 | 96 | 252 |
| KW3Z | 325,471 | 432 | 71 | 200 |
| NU3Y | 259,740 | 329 | 69 | 201 |
| KA3PLS | 210,112 | 336 | 60 | 164 |
| KQ3F | 186,238 | 279 | 70 | 177 |
| W3OV | 162,864 | 262 | 79 | 155 |

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|---------|----|-----------|-----|-----|-----|
| K1ZZI/4 | A | 1,150,344 | 870 | 111 | 357 |
| KB4NJ | | 437,276 | 502 | 81 | 241 |
| WB4MAI | | 406,973 | 442 | 97 | 232 |
| W4IVM | | 342,168 | 458 | 72 | 197 |
| K4FR | | 291,316 | 483 | 75 | 193 |
| N4MM | | 289,275 | 361 | 80 | 205 |
| K8UNP/4 | | 257,167 | 395 | 64 | 165 |
| K2EWB/4 | | 193,971 | 288 | 67 | 182 |
| AA4DO | | 153,403 | 210 | 93 | 186 |
| KB4SSS | | 152,544 | 249 | 68 | 156 |
| K4DLI | | 120,450 | 195 | 75 | 144 |
| K4KUZ | | 91,665 | 180 | 53 | 136 |
| KQ4G | | 60,032 | 167 | 36 | 92 |
| WB4QNP | 28 | 101,280 | 223 | 35 | 125 |
| NN4K | | 50,868 | 160 | 29 | 79 |
| N4HOH | 7 | 38,616 | 127 | 24 | 65 |

| | | | | | |
|----------|---|-----------|------|-----|-----|
| KA5W | A | 1,768,600 | 1312 | 121 | 357 |
| KW5P | | 1,302,189 | 1160 | 103 | 310 |
| KD5GD | | 746,546 | 767 | 96 | 265 |
| KG5ND | | 672,945 | 583 | 109 | 326 |
| K5GOE | | 243,648 | 316 | 90 | 198 |
| N3BB/5 | | 130,870 | 212 | 81 | 149 |
| WB0NSA/5 | | 115,830 | 242 | 60 | 135 |

| | | | | | |
|----------|----|---------|-----|----|-----|
| K6EID | A | 742,352 | 790 | 95 | 237 |
| N6CCL | | 349,650 | 534 | 88 | 171 |
| KG6MY | | 299,440 | 372 | 80 | 224 |
| W26Z | | 284,620 | 391 | 85 | 180 |
| N6SYP | | 273,498 | 432 | 71 | 166 |
| WA7G/6 | | 268,005 | 387 | 75 | 180 |
| N6SRT | | 197,583 | 374 | 70 | 131 |
| WA8Lly/6 | | 124,758 | 261 | 58 | 116 |
| N6TIB | | 117,124 | 251 | 59 | 119 |
| KC4IRP/6 | | 105,212 | 314 | 59 | 100 |
| AJ6V | | 104,130 | 225 | 60 | 118 |
| WB2CHO/6 | | 14,442 | 92 | 24 | 34 |
| KA6ING | 28 | 57,750 | 194 | 29 | 76 |

| | | | | | |
|--------|----|-----------|------|-----|-----|
| KI3V/7 | A | 1,720,590 | 1248 | 130 | 368 |
| NC7K | | 909,083 | 782 | 120 | 307 |
| K7WK | | 228,160 | 354 | 68 | 162 |
| N7KZN | | 185,458 | 371 | 64 | 118 |
| KF7RU | | 60,051 | 196 | 44 | 67 |
| NX7K | 28 | 161,721 | 515 | 32 | 87 |

| | | | | | |
|---------|---|-----------|------|-----|-----|
| N6ATR | A | 1,448,920 | 1159 | 113 | 327 |
| WB6G | | 1,395,248 | 1270 | 91 | 297 |
| WB6IXE | | 1,313,671 | 1004 | 114 | 353 |
| NSAG/8 | | 935,704 | 773 | 108 | 326 |
| WB8VPA | | 881,216 | 807 | 95 | 297 |
| KA8D | | 368,350 | 509 | 69 | 196 |
| WD9NF/8 | | 264,852 | 372 | 72 | 180 |
| WB8CAR | | 227,994 | 380 | 74 | 163 |
| NG8D | | 127,575 | 207 | 69 | 156 |

| | | | | | |
|---------|----|-----------|------|-----|-----|
| W9NNE | A | 1,021,650 | 766 | 129 | 361 |
| W9GIG | | 520,352 | 517 | 92 | 276 |
| K0BFR/9 | | 462,536 | 510 | 88 | 235 |
| K9OSH | | 423,680 | 497 | 95 | 225 |
| K9BTU | | 13,689 | 66 | 33 | 48 |
| W9XT | 28 | 603,998 | 1182 | 34 | 144 |

| | | | | | |
|----------|----|-----------|------|-----|-----|
| WB2V | A | 3,521,032 | 2171 | 147 | 421 |
| W0RLX | | 783,005 | 798 | 93 | 266 |
| KC9AL/0 | | 365,754 | 465 | 75 | 207 |
| N0G | | 175,950 | 258 | 80 | 175 |
| N0IGP | | 12,012 | 71 | 29 | 55 |
| N0BV | 28 | 145,440 | 357 | 32 | 112 |
| WB8ZRL/0 | | 71,850 | 172 | 34 | 116 |
| W0SR | | 64,800 | 163 | 34 | 110 |

ASIA

JAPAN

| | | | | | |
|--------|----|-----------|---------------|-----|-----|
| JA1YDU | A | 1,776,652 | 1593 | 121 | 267 |
| | | | (Dpr. JHNNZH) | | |
| JR1GSE | | 541,002 | 833 | 90 | 141 |
| JR1AJT | 28 | 1,097,235 | 2037 | 37 | 148 |
| JR3NZC | | 248,193 | 774 | 33 | 76 |
| JA7TQK | | 411,642 | 1173 | 32 | 89 |
| JA8SCD | 21 | 765,567 | 1556 | 37 | 134 |

EUROPE

FEDERAL REP. OF GERMANY

| | | | | | |
|-------|---|---------|-----|----|-----|
| DL40K | A | 357,713 | 606 | 76 | 205 |
|-------|---|---------|-----|----|-----|

NORWAY

| | | | | | |
|-------|---|--------|-----|----|----|
| LA9ML | A | 23,883 | 150 | 18 | 39 |
|-------|---|--------|-----|----|----|

YUGOSLAVIA

| | | | | | |
|-------|---|-----------|------|-----|-----|
| YT3AA | A | 5,756,932 | 3580 | 154 | 482 |
|-------|---|-----------|------|-----|-----|

U.S.S.R. EUROPEAN RUSSIA

| | | | | | |
|-------|---|--------|-----|----|----|
| UZ3AF | A | 31,436 | 175 | 28 | 88 |
|-------|---|--------|-----|----|----|

OCEANIA

GUAM

| | | | | | |
|----------|---|-----------|------|----|-----|
| NY6M/KH2 | A | 2,108,408 | 2466 | 90 | 206 |
|----------|---|-----------|------|----|-----|

PHILIPPINES

| | | | | | |
|--------|----|---------|-----|----|----|
| 4F3AAL | 14 | 169,512 | 715 | 30 | 54 |
|--------|----|---------|-----|----|----|

A22RA, C6/AA5AU, CS0CDP, CS0DJE, DF5PP, DJ3VC, DJ7EE, DK0CT, EA1ATQ, EA1AW, EA1CNL, EA1CVY, EA1ECE, EA1EMO, EA1KW, EA2BOT, EA3BSE, EA3CYM, EA3CZM, EA3DMP, EA3DXD, EA3FDR, EA3FYD, EA5BK, EA5DCL, EA5DIT, EA5EGT, EA5FFQ, EA5FWG, EA5GHH, EA5GF, EA7AL, EA7BV, EA7DGO, EA7DHF, EA7DLC, EA7DLD, EA7DUU, EA7FZR, EA8ACH, EC3CTB, F11COA, F11CWX, F11DFI, HA7MY, HJ3MCM, HK3MAH, IK0JMS, IK7BPV, IT9ZGY, JA6FHF, JA6LDD, JF2KUU, JP1RFR, K2RXN, K4HJT, K7EFB, KB0CWV, KG5OV, KJ4VH, KK4RV, KK9A, KP4BJD, LA2LV, LA2PGA, LA3VP, LA4OGA, LA5MT, LA5TFA, LA6PB, LA6DFA, LA6FFA, LA6HF, LA9LO, LA9LS, LA9WA, LA9XG, LU5EIC, LU5EW, LU6AJA, LZ1DM, LZ1HH, LZ100, LZ10S, LZ1SS, LZ1UK, LZ2A-321, LZ2DD, LZ2PS, N0G0S, N6DU, NP4, NW4Y, OH1AA, OH1MF, OH1UN, OH1XX, OH3FW/6, OH3HS, OH3MIG, OH3NM, OH5MMG, OH6LC, OH6WI, OH7MFO, OH8MCE, OK1AMS, OK1DOW, OK1GS, OK2BBQ, OK2BGO, OK2BQO, OK2SG, OK2SKU, OK2ZU, OK8AGN, ON5FV, OZ1CID, OZ1LRT, OZ2TH, OZ9SN, PA0LRK, PA3BUD, PA3DRZ, PP5JD, PY2AP, PY3BD, PY3OL

RA1AG, RA1AI, RA3AGF, RA3ATM, RA3DDA, RA3DJA, RA3DKE, RA3DOX, RA3DR, RA3NC, RA3VV, RA3XC, RA4PKI, RA4PKL, RA6LOT, RB0HZ, RB5CW, RB5GI, RB5GJ, RB5IGN, RB5NT, RB5RA, RL7PEO, RV6LD, RV9CFP, RW3DF, RW6AH, RZ6AYU, SM0CSX, SM0MC, SM2NTU, SM3CVM, SM3MHD, SM4DLS, SM4JUW, SM4LEB, SM4RRO, SM4SET, SM5CVC, SM5EME, SM6BWQ, SM6CDN, SM6HXR, SM6IF, SM7FHJ, SP1DDM, SP2GJ, SP3BVI, SP3CDO, SP3GRQ, SP3GVX, SP3HZG, SP3JHY, SP3JIA, SP4AS, SP4BY, SP4GQ, SP4GF, SP4KM, SP4LVG, SP5ATC, SP5DZE, SP5GNI, SP5NOG, SP6FIB, SP6SO, SP6TFM, SP7DBI, SP7LHZ, SP7ROJ, SP8BBK, SP8BWR, SP8GEY, SP8HKN, SP8JMA, SP8LZO, SP8UFO, SP9-4315-KA, SP9-4557-KA, SP9-4558-KA, SP9AZL, SP9DGO, SP9EML, SP9GDB, SP9JPA, SP9MRP, SP9REF, SP9TNZ, TH2X, U5FG, UA0FS, UA1CK, UA1NDI, UA1WBV, UA3ACT, UA3AGW, UA3AHA, UA3DUA, UA3EDH, UA3SBJ, UA3WCN, UA4CIN, UA4CKC, UA4FDD, UA4NCI, UA4PNK, UA4PNV, UA4QK, UA4QO, UA4YJ, UA6ED, UA6HFF, UA6HRZ, UA6LAX, UA6LQZ, UA6PAG, UA6WBF, UA6AKW, UA9JFR, UA9LFN, UA9MFN, UA9MGY, UA9OS, UA9TS, UA9TX, UA9UDC, UA9UJ, UA9YND, UB4QZZ, UB4WWT, UB586376, UB5ID, UB5OFJ, UB5QJA, UB5QMD, UB5WBX, UB5ZEG, UB5ZMW, UC1AWP, UC1CWR, UC2AFD, UC2LB, UC2LR, UF6VR, UB8AA, UL7JV, UL7TZ, UM8DX, UM8MG, UO50J, UF2BGP, UR1RYE, UR2BD, UR2FMC, UR2RNT, UT4UW, UT4UXA, UV3DF, UV3DLB, UV6HC, UV6HSU, UV9CAF, UW3HY, UW3RR, UW3VA, UW9CD, UW9CH, UW9CWC, UW9UE, UW9YM, UY5GG, UZ1AYX, UZ1NWA, UZ1ZWO, UZ2FWA, UZ3AWT, UZ3AXB, UZ3DWE, UZ3DXF, UZ3DYU, UZ3TZZ, UZ4AXQ, UZ4SWU, UZ6AZR, UZ6LWV, UZ9XKA, UZ9SWI, UZ9YXI, VE1ACK, VE7BSB, VK2DXI, VK2EY, VU2IN, W4UW, W8RV, WA2HAL, W05EHU, WA6HRK, WM7R, WW7M, XE3EB, Y21DG/A, Y21ML/P, Y22KI, Y22O, Y22TO, Y23FI, Y24EA, Y24HJ, Y24XD, Y25BL, Y25FA, Y25SA, Y25TF, Y26JD, Y26ML, Y31WI, Y36XC, Y37XJ, Y38YE, Y38YK, Y45RJ, Y53UL, Y53VL, Y54FL, Y54UI, Y55PG, Y62OH, Y75L, Y78VL, Y87PL/P, YC5OH, Y06CFB, Y06KNT, Y09HH, YU1KQ, YV3BQS, ZS3UN/OH8DG, ZS6AXF, 9K2CS, 9K2RA.