

Results of the 1989 CQ World-Wide DX CW Contest

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

Within the last year the world has dramatically changed. These changes are still continuing for most of the world's population. Political, religious, and social systems have made headline news. Most of the people of the world, not being hams, are coming to grips with the new reality and are finding that people have more in common than they have read in newspapers. Of course, if they had asked those involved in amateur radio, they would have discovered that there was already a substantial group that had discovered a friendship among peoples that transcends borders.

All-Band Results

Last year's CW contest was in keeping with those winds of change. The sun put on quite a show, providing remarkable conditions throughout most of the world. In fact, the weekend provided the best CW conditions of this sunspot cycle. The all-band champion was P40GD operated by John, W2GD. Keying his way to a healthy lead, John commented that conditions were too good. Everyone was beaming northeast or northwest and not south. Congratulations, John, for an excellent effort.

Moving into second place was D44BC operated by Jim, N6TJ. Jim beat John in QSOs on the high bands, while John took the low bands. In third place was TU4B operated by Dick, N6AA. Dick is on a lifelong quest to operate the CQ WW from every zone.

A new USA record now exists. It was set by K3TUP operated by K5ZD/3. K3TUP, located near Lake Erie, must be doing something right, as Randy demonstrated. Randy also broke into the world top ten box, the first W to do so in recent memory. Operators are now thinking of traveling west from the east coast of the USA to win, which is quite a change. Randy was followed by Dan, K1TO. Dan had more QSOs than any other W station.

Special mention must be given W9RE operated by WA8YVR, N5AU operated by WN4KKN, and N5RZ. All three of these stations broke into the USA top ten from zone 4—super jobs! In Europe Jorma, OH2KI, operating from ZB2X in southern Europe, set a new European CW record by edging out his good friend Ville, OH2MM, operating from the other end of Europe as OH0MM. Congratulations to both stations.

High-Band Results

Just as on SSB, the 28 MHz category proved to be extremely popular. The activity was so fast

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A more dynamic group of guys would be hard to find. Every year they make the test more exciting for all of us. This year they operated as (left to right) D44BC (N6TJ), 9Y4H (K6NA), SU1RR (N6ZZ), TU4B (N6AA), and HC8U (WA6OTU).

and furious that it sounded like a beehive. Long band openings and exciting night conditions exhausted even the best of operators.

First, a new world record went to ZP0Y operated by LU8DQ. The band sure was open to South America. The other top finishers were CW8B, YV3A, and LT8WW. The combined SSB/CW score of LR6ETB/LT8WW garnered Arturo the combined single-band trophy. In the



Utilizing a computer and excellent operating, ZW0F made lots of people happy (left to right, back, PY7XC, PY7ZZ, ZZ0001, and PY1DFF; front, PY7JJ and PY0FF).

USA Jeff, K1ZM, was clearly the winner, setting a new USA record. He was followed by K4XS and N8CXX. Moving up from his second-place SSB finish, YZ6A operated by YT6AA set a new European record. In pursuit were LZ1KDP operated by LZ1AX, and I3JSS.

The diversity of the finishers on 21 MHz demonstrated the fantastic conditions on this band. The winners were almost evenly spaced around the world. N7DF/NH2 brought the world's top score to Guam—quite an effort from the Pacific. Second place went to Tom, 5H3TW, setting a new African record, and third place went to Frank, 9Y4VU. Twenty-one MHz was the best it ever has been to the west coast of the USA. Dan, W7WA, followed up his SSB win with top US CW honors. Second place went to N6RO operated by K3EST. Taking advantage of the lack of solar disturbances, OH6MCW was clearly a winner, setting a new European record. YZ3A operated by YU3BC took second-place honors.

Twenty meters did not slack off compared to the higher bands. Open all day and night, it took a well-thought-out strategy to do well. After the ions settled Dov, 4Z8DX, ended up with first place and a new Asian record. Second place was a surprise. Bill, K2EK, just kept working UB5s all day to finish second in the world and take top US honors. Twenty meters in Europe was hard fought. Taking first place was YU2W operated by YT2FI. He was followed closely by George, UA1DZ, and UQ2QD.

Low-Band Results

Conditions and activity on the low bands were actually good considering everyone was on the high bands. Although no records were set on the low bands, no one complained about the number of countries and QSOs to be had. Activity on 7 MHz was excellent. The top score in the world was YW1A operated by YV1DIG. He was followed by two excellent European scores from ON4UN and OH2HE. Fourth place in the world and first place in the USA went to K1NA. Second place in the USA and sixth in the world went to John, KE7V.

On 3.5 MHz Bahri, TA2BK, put Turkey on the map by finishing first in the world. He was followed by LY2WR and HA8IE. Looks as if zones 15 and 20 were the places to be for 80. Finishing first in the USA and sixth in the world was W1FV. He was followed by the excellent west coast scores of KC7EM and N2KK/6.

It was really a European competition for top-band honors. LY2BTA ran up a big lead and nearly doubled the second-place finish of YT2R. OY9JD made a lot of people happy by handing out OY to 160 tuners. Rick, K5UR, continued his mastery of this band to finish first in the USA. He was closely followed by K4TEA.

Multi-Op Categories

It was a good year for multi-single. Stations could take advantage of the fantastic activity while the multiplier station was faced with the delightful dilemma of high numbers of countries on each band. It had to be a well-thought-

out plan which would allow for a top finish.

Top world honors in this highly competitive category went to EA9EA. They set a new world and European record. Second place went to the fine OH team that put EA8AGD on the map. Setting a new European record and finishing third in the world was LZ9A. Just behind LZ9A in Europe was OL8A. Finishing first in the USA

and setting a new record was K1AR. They were followed by the fine effort from N2RM. Way out in the Pacific KC6AA set a new Oceania record.

The runaway winner in the multi-multi category was CT3M. This fine group of operators from ten different countries put together a massive effort to impress everyone. The real competition was for second, third, and fourth

TROPHY WINNERS AND DONORS

SINGLE OPERATOR, ALL BAND

World

P4ØGD (Opr. John Crovelli, W2GD)

Donor: Albert Kahn, K4FW—W2AB Memorial

World—Single Operator Assisted

Doug Grant, K1DG

Donor: Pavillion Software

World—QRP

Carl Groner, W2TZ

Donor: Gene Walsh, N2AA

USA

K3TUP (Opr. Randall Thompson, K5ZD)

Donor: Frankford Radio Club

Caribbean/C.A.

8P9HT (Opr. John Laney III, K4BAI)

Donor: CQ Magazine

Canada

John Sluymer, VE6OU/3

Donor: Canadian DX Association

Europe

ZB2X (Opr. Jorma Saloranta, OH2KI)

Donor: Edward Bissell, W3AU

Africa

D44BC (Opr. Jim Neiger, N6TJ)

Donor: Gordon Marshall, W6RR

Asia

Yuri Donskikh, UA9SA

Donor: Japan CQ Publishing Co., Ltd.

Japan

Akito Nagi, JA5DQH

Donor: Japan Crazy Contesters Club

Oceania

Peter Grillo, KNØE/KH3

Donor: Maui Amateur Radio Club

South America

HC8U (Opr. Mark Beckwith, WA6OTU)

Donor: Venezuela DX Club

SINGLE OPERATOR, SINGLE BAND

World—28 MHz

ZPØY (Opr. Jorge Bozzo, LU8DQ)

Donor: Joel Chalmers, KG6DX

World—21 MHz

Larry Strain, N7DF/NH2

Donor: Don Busick, K5AAD—N5JJ Memorial

World—14 MHz

Dov Gavish, 4Z8DX

Donor: North Jersey DX Assn.
W2JT Memorial

World—7 MHz

YW1A (Opr. Paolo Stradiotto, YV1DIG)

Donor: Alex M. Kasevich, VP2MM

World—3.5 MHz

Bahri Kacan, TA2BK

Donor: Fred Capossela, K6SSS

USA—14 MHz

William Gioia, K2EK

Donor: Northern Illinois DX Association

USA—7 MHz

James Power, Jr., K1NA

Donor: Jan Perkins, N6AW—W6AM Memorial

Canada (14 MHz)

David Goodwin, VE2ZP

Donor: Canadian Amateur Radio Federation

Caribbean/C.A. (28 MHz)

J79DX (Opr. Ronald Marra, AA5DX)

Donor: CQ Magazine

Europe (14 MHz)

YU2W (Opr. Mandic Kresimir, YT2FI)

Donor: Southern New England DX Club

Japan—21 MHz

Katsumi Furukawa, JH7XGN

Donor: DX Family Foundation

MULTI-OPERATOR, SINGLE TRANSMITTER

World

EA9EA (Oprs. EA3GAS, EA4BB, EA5BRA, EA7ALG, EA7TL, EA9EO, EA9EU, EA9GK, EC7DMU)

Donor: Anthony Susen, W3AOH

USA

K1AR (Oprs. K1AR, K1EA, K1GQ, KC1F)

Donor: Douglas Zwiebel, KR2Q

Canada

VE3WAA (Oprs. VE3AGR, VE3DTR, VE3IIN, VE3IJE, VE3LFA, VE3OEO, VE3OEQ, VE3PCT, VE3RDN)

Donor: Eastern Canadian DX Assn.

Europe

LZ9A (Oprs. LZ2BE, LZ2CC, LZ2DF, LZ2HE, LZ2II, LZ2PO, LZ2PP, LZ2PS, LZ2TT, LZ2UA, LZ2UU, LZ2XA, LZ2E41, LZ2E72)

Donor: Friends of K3AO—K3AO Memorial

MULTI-OPERATOR, MULTI-TRANSMITTER

World

CT3M (Oprs. CT1BQH, CT1DIZ, CT3BX, CT3EE, CT3EF, DF5UL, DJ2YE, DJ8VC, DK3KD, DL1EFT, DL1EK, DL3HAH, DL5EBE, DL5XX, EA4DAS, EA7CEZ, HB9CEY, HB9CRV, OE1ETA, OE2VEL, OH1EA, OH1NOA, PA3CEF, UA3DEA, UQ2MU)

Donor: Hazard Reeves, K2GL Memorial

USA

W3LPL (Oprs. W3LPL, K3RA, K3ZZ, KA1GD, KD9J, KF3P, KT3Y, N3GB, N8II, ND3A, NW5E, W3EKT, WA8MAZ, WB2EKK, WB3FSB, WD4AXM)

Donor: Jim Rafferty, N6RJ

Europe

LX7A (Oprs. DF3CB, DF4SA, DF6RI, DF7RX, DF9LJ, DJØIP, DJ1AT, DJ2BW, DJ2EH, DJ3TF, DJ5PA, DK2GZ, DK2OY, DK2ZO, DK3GI, DK5PD, DK5WL, DK7PE, DK8FD, DK9IP, DL1HCM, DL1SBR, DL1VJ, DL2HBX, DL2NBU, DL3LAB, DL3NCI, DL4NAC, DL4RDU, DL5MAE, DL5RDO, DL6FBL, DL6RAI, DL7AV, DL7MAT, DL9RDL, LX1II, LX1MK, LX1RQ, LX1WW, Angela)

Donor: Finnish Amateur Radio League

Japan

JE2YRD (Oprs. JR2SCJ, JR2SQU, JI2KVV, JF2DQJ, JI3JGJ, JI3ERV, JK3GAD, JH4RHF, JR7OMD, JA9-1Ø148, JF2EOC, JH2BNL, JF2XJE)

Donor: Nippon Television Network Corp.

World—SSB/CW Combined

LX7A (47,076,610)

Donor: Ehrhorn Technological Operations

CONTEST EXPEDITIONS

World—Single Operator

SU1RR (Opr. Phil Goetz, N6ZZ)

Donor: Yankee Clipper Contest Club

World—Multi-Operator

CT3M

Donor: Bill Schneider, K2TT

SPECIAL—SINGLE OPERATOR AWARDS

World—Single Band SSB/CW

LR6ETB/LT8WW

(Opr. Arturo Gargarella, LU6ETB)

28 MHz (3,976,816)

Donor: Yuri Blanarovich, VE3BMV/W2

World, All Band, CW, Most QSOs

8P9HT (Opr. John Laney III, K4BAI)

(5321 QSOs)

Donor: KV4AA Memorial

(From the 14270 KHz Group)

Club

World—SSB/CW

Frankford Radio Club (307,534,371)

Donor: CQ Magazine

Non-USA—SSB/CW

Rhein Ruhr DX Association (74,729,033)

Donor: Northern Calif. Contest Club

N6AUV Memorial

BAND-BY-BAND BREAKDOWN

Number groups indicate QSOs/Zones/Countries on each band.

WORLD TOP SINGLE OPERATOR, ALL BAND

Station	160	80	40	20	15	10
P40GD	121/11/24	346/18/54	849/25/72	881/28/86	1011/31/89	1500/33/91
D44BC	58/12/22	128/16/52	463/25/72	1115/30/82	1015/32/81	1544/32/93
TU4B	35/11/22	101/19/28	256/26/64	974/31/91	1419/34/96	1312/31/97
8P9HT	153/10/18	346/16/42	955/22/65	1165/28/74	1293/26/76	1409/23/72
HC8U	40/6/11	296/18/37	846/26/64	1038/27/75	523/28/68	1555/32/82
9V4H	42/8/14	257/12/40	398/21/60	1325/30/88	785/29/70	1224/29/78
K3TUP	14/5/9	61/15/46	622/21/85	759/36/98	864/35/99	894/33/95
ZB2X	132/10/51	310/18/60	721/25/72	949/30/82	894/31/82	1360/32/86
OH8MM	201/9/43	386/17/54	615/21/54	949/30/71	1182/30/85	1366/32/86
3UIRR	3/2/2	308/9/42	944/23/61	704/23/63	1062/26/63	1242/23/67

USA TOP SINGLE OPERATOR, ALL BAND

Station	160	80	40	20	15	10
K3TUP	14/5/9	61/15/46	622/21/85	759/36/98	864/35/99	894/33/95
K1TO	7/4/6	76/12/40	493/21/69	1391/33/109	619/30/81	760/29/90
K1CC	20/8/15	116/12/45	470/23/68	881/31/84	747/33/83	751/34/97
N2NT	20/10/14	165/13/52	660/26/66	704/32/86	728/32/83	679/33/91
W9RE	11/8/10	60/15/41	427/28/64	897/28/81	764/30/79	936/32/95
W1KM	14/8/12	193/17/56	627/25/69	832/31/84	578/32/77	640/28/94
N5AU	13/8/9	32/14/23	415/27/75	1014/34/88	679/34/88	687/31/94
N2LT	11/7/11	62/13/43	517/27/83	860/30/81	684/28/70	661/30/87
N5RZ	14/9/11	66/14/35	388/29/74	603/33/92	518/33/97	834/35/110
AA1K/3	7/4/6	76/12/40	493/21/69	1391/33/109	619/30/81	760/29/90

WORLD TOP MULTI-OPERATOR, SINGLE TRANSMITTER

EA9EA	41/9/35	261/19/64	1034/32/89	1580/36/110	1304/35/99	1703/36/102
EABAGD	63/7/42	515/16/58	661/26/74	1011/32/93	2130/36/104	1506/33/89
LZ9A	194/17/67	214/28/84	1333/37/107	1014/39/120	1251/40/125	1336/39/125
K1AR	36/16/33	313/26/75	920/35/100	1139/37/128	773/39/123	920/37/129
DL8A	85/10/44	402/20/71	1184/34/100	964/36/118	853/37/110	1978/37/120
4J5FV	331/11/46	647/21/62	842/34/85	634/36/97	971/34/98	618/33/93

USA TOP MULTI-OPERATOR, SINGLE TRANSMITTER

K1AR	36/16/33	313/26/75	920/35/100	1139/37/128	773/39/123	920/37/129
N2RM	32/14/30	153/23/79	995/35/104	1010/36/132	679/39/124	842/36/136
N4RJ	46/14/44	75/24/71	518/33/101	1309/37/118	779/39/118	731/37/117
N3RS	19/9/18	163/20/68	771/31/95	1014/37/123	981/38/122	661/37/130
K8AZ	8/5/6	42/13/38	415/28/85	1189/38/122	845/37/118	923/37/118
K0RF	16/11/14	92/20/46	434/32/90	864/35/113	826/36/100	790/35/98

WORLD TOP MULTI-OPERATOR, MULTI-TRANSMITTER

CT3M	279/12/60	1320/21/82	2082/31/97	4253/32/113	3351/39/117	3188/37/127
LX7A	834/15/65	1859/25/100	2288/36/125	2936/37/148	2511/39/133	2307/37/134
NL7G	80/7/9	541/22/31	1851/33/89	3096/34/118	3652/36/116	2117/34/105
W3LPL	72/15/34	401/25/86	1508/34/106	1965/39/135	1658/39/126	1546/38/140
RB8M	389/16/57	746/31/93	1443/36/103	2772/38/127	2719/39/124	1862/38/109
4U0ITU	655/10/52	1358/18/71	2720/30/100	3016/36/124	2264/36/111	2359/37/111

USA TOP MULTI-OPERATOR, MULTI-TRANSMITTER

W3LPL	72/15/34	401/25/86	1508/34/106	1965/39/135	1658/39/126	1546/38/140
KY1H	52/13/25	165/19/65	1228/34/93	1839/39/125	1313/39/125	1221/36/134
K1ST	26/9/18	188/18/57	1437/36/108	1232/37/113	1791/39/127	1204/36/124
NR5M	72/15/25	273/23/71	1094/35/99	1494/38/131	1582/38/130	1098/32/114
K4VX/0	170/17/34	196/96/71	826/34/87	1784/38/119	1438/38/120	1377/34/111
K5NA/2	40/11/24	112/18/56	978/37/111	1493/38/124	1276/39/119	1367/37/131



Whatever Finland's amateurs are doing to encourage young, enthusiastic operators to enter our hobby is working. Here is a prime example. EABAGD, celebrating their excellent Multi-Single finish (left to right, top, OH6LK, OH6OS, OH6UI, OH6DK, OH8PF, and OH8LP; bottom, OH6Ei and Juma).

place. The expedition to Luxembourg to put LX7A on the air finished second and set a new European record. Third place went to NL7G. These boys compiled an unbelievable score from near the Arctic Circle. RB8M followed in fourth place. In the USA W3LPL won first place and ended up sixth in the world. Conditions were so good that Frank, W3LPL, said, "Now how do we top this?" Second place went to KY1H followed closely by K1ST and NR5M.

QRP Results

Four operators topped 1000 QSOs with 5 watts. That's quite a feat. It's hard enough to make a 1000 Qs with a 1000 watts. Their logs showed that the top scorers were able to run

stations at 40+ per hour. Of course, you still have to do a lot of tuning and calling. Thanks to all the stations who listened for the QRPers. Taking home the QRP trophy for the top score in the world was W2TZ. In close second place was G4BUE. YO3OH filled out the world third-place score.

Single Op. Assisted

The single operator assisted category sure looks like it filled a need. Not only does it allow you to make use of spotting nets, but it maximizes your club score. As of yet the log cover-sheet does not have a space to check for this category. Just put "assist" next to single operator. The winner was Doug, K1DG, who finished ahead of K3WW. Utilizing the Yankee Clipper Contest Club and Frankford Radio Club packet systems, respectively, both are to be congratulated for keeping one eye on the screen and another on the radio.

Team Contesting

In the team contesting category the Southern California Contest Club once again made life more interesting for all of us by sending operators all over the world. They won the team contesting award. Look at the picture in this article to get a close-up view of these experts.

Please notice that the rules for this category have been changed to allow any five operators to form a team.

Club Competition

In club competition the Frankford Radio Club sure can act as a model of how to mobilize club members in a combined effort. Putting together

expeditions, multis, and assisted entries, they set new world and USA club records with over 307 million points. Following in second place was the Yankee Clipper Contest Club, bettering their previous club record. The combined score of the FRC, YCCC, and PVRC was over 592 million points!

The DX club with the highest score ever was the Rhein Ruhr DX Association. Putting several high-scoring expeditions on the air pushed them ahead of the Hungarian DX Club and the Bavarian Contest Club.

New Records

The following stations enter the All-Time Records list found elsewhere in this issue:

World: 28 MHz—ZP0Y operated by LU8DQ; multi-single—EA9EA.

Europe: all band—ZB2X operated by OH2KI; 28 MHz—YZ6A operated by YT6AA; 21 MHz—OH6MCW; multi-single—LZ9A.

North America: 28 MHz—J79DX operated by AA5DX.

Asia: 14 MHz—4Z8DX operated by 4Z4DX.

Oceania: 21 MHz—N7DF/NH2; multi-single—KC6AA.

Africa: 5H3TW operated by K3TW.

USA: all band—K3TUP operated by K5ZD/3; 28 MHz—K1ZM; 21 MHz—W7WA; 14 MHz—K2EK; multi-single—K1AR; multi-multi—W3LPL.

Congratulations to these expert operators!

Comments

If you think your effort in the CQ WW will place your score in any of the top score boxes, please send us a diskette in addition to your

hand-written or hardcopy log. We are very grateful to anyone who sends us a diskette, and we wish to thank the over 150 stations who sent us diskettes on CW. All we require on the diskette is a chronological list of calls on each band. Include the time once per hour. The information should be IBM compatible (MS-DOS; ASCII file, K1EA.bin file, a file from an editor such as WordPerfect, Wordstar, etc). If you submit a disk, you get several dividends: a reduced penalty for errors, a printout of uniques in your log when compared against our 500,000 call data bank, a list of unique percentages (without callign) of others in your category, and a list of activity in selected countries. Please help out yourself and us.

When you use a computer to create a log and summary sheet, make sure that you remember to include your club affiliation, statement of compliance with the rules, and your signature. Take another look at the rules, especially rule XI. Make sure that you are in compliance with these rules. All sent and received exchanges are to be logged. If they are not logged, they will be removed. It's alright to make a blanket statement on the coversheet such as "All sent and received reports are 59/599 unless otherwise shown." You still must report the zone for each QSO. Make sure all duplicate QSOs are removed from your log. Several logs in these results lost their relatively high position due to failure to remove duplicates from the log.

Computers, although they allow for massive data manipulation, eat up much time. For example, just to get the diskettes we receive into a our data bank requires about 100 hours. I wish to extend a special thanks to K2SS and N2AA, who have spent many hours arranging our data banks on CW and SSB, respectively. This is a thankless task and is really a labor of



CT3M finished as the world's top Multi-Multi. Congratulations! They also assembled the most international team ever in contesting. Check out the multi-ops page.

love for the contest. K2SS has developed our software to analyze logs, and because of his efforts the CQ WW contest is at the forefront of contest analysis.

Our other experts who scored and submitted the results you read on these pages are W9RE, WA8YVR, N3ED, K7RA, AD6C, K6NA, W2RQ, K1DG, K2VV, N6AW, KR2Q, W7EJ,

K5NA, K5ZD, and OH2MM. Other members who have contributed ideas and concerns are OH2BH, OH2KI, SM0GMG, F2CW, YT3AA, G3FXB, I2UIY, JE1CKA, PY5EG, and K3ZO. All of us appreciate all the operators for entering the game, and to all the winners, congratulations!

73, Bob, K3EST/6, and Larry, N6AR/4

USA QRM

Really nice condx on high bands. First use K1EA logging—vy fb . . . K4PQL. Very good conditions. It is a lot different operating from home than it is being on the other end of the pile-ups from the Caribbean . . . K4LTA. Great fun—I'll be back next year . . . N4ZZ. Suggest exchange consist of zone and s/n in future contests—everyone uses 5nn for RST . . . KD1U/4. We really need a barefoot transceiver class in this contest . . . AA4GA. I took down 20 meter beam in prep of move. Interesting to see how a dipole would work. Just took a bit longer in pile-ups . . . W4NTI. First attempt at computer logging—hard disk crashed . . . W4RX. That second nite sure gets long . . . KK4SM. Flu and contests don't mix . . . WX4G. Fantastic opening to Japan on 10 meters. First time in test with modern transceiver . . . K6ETM/4. Marks my return to contesting after a 20 year absence . . . WA4JTI. My first contest—100 watts, no filter, bad ears, low score, lots of fun . . . KJ4VU. Lots of good DX at sunrise on 40 meters . . . WB8HDD/4. CW forever . . . KM4KJ. Great conditions on bands—especially first day . . . W3VT/4. House full of company, just played around for a change . . . NQ4I.

First time ever on top band—great . . . NO4J. It was a fun 6 hours. Looking forward to next year with more power and time . . . W5NBI. Guess most South Americans don't like or know CW . . . N5DB. Another good contest . . . W5FO. It is apparent that age is catching up with me after 55 years of contesting, but I still enjoy . . . N5RM. I had forgot how much fun 40 meters was—good conditions . . . WF5E. The eastern block activity gets better every year—with fewer JAs . . . AD5Q. The most DX—full 15 meters . . . WC5D. Amazing how DX keeps a person awake . . . WA5DTK. Printing out results 15 minutes after contest . . . W5PWG. I called CQ 6 times in 48 hours and never got a response . . . W5AT. Best contest ever . . . N5CR. Thought 40 meters was banned in SA—got skunked on zones 11, 12, and 13 . . . WM5K. Excellent conditions + good participation + skilled operators = outstanding contest

. . . W5UDA. No meters like 20 meters . . . N5AU (Opr. WN4KKN). Superb conditions . . . WA6TKT. Hurricane Hugo sure put a dent in contest operations from the West Indies . . . W6RCL. Great Europe activity . . . K6PU. Wow—106 countries on 10 meters during 1 weekend, conditions excellent . . . W6BIP.

First CW contest . . . K16YB. A lot of new countries on CW . . . WX6M. Best conditions on 10 meters ever experienced . . . K6BWX. Got back to rig with a cup of coffee to find 9K2AH calling CQ exactly on the frequency I left minutes before. Worked him on first call . . . K5KT/6. Made DXCC in less than 24 hours . . . N6GG. Great contest, superb conditions. Surprised how well 100 watts and very modest antennas can do . . . W6MVW. Conditions super . . . W6OVO. Super conditions; dog chewed on coax; no 160 this year . . . W6TMD. First serious CW contest effort . . . WW6I. Couldn't believe it when SU1RR responded on 40 meters . . . N6RJ. Sure miss hearing from zone 7 and the Caribbean . . . WB6JMS. For once CW weekend had better conditions than SSB weekend . . . W6YA. A real challenge with only a dipole at 30 feet . . . K6OY. Multipliers are tough to come by on the left coast . . . N2UN/6. Thanks for lots of fun . . . NF6V. Fantastic conditions. We will remember this one . . . N6RO (Opr. K3EST). Best conditions that I have ever heard to Europe on 21 MHz CW . . . W7WA. Thank you for a very enjoyable contest . . . W7ZMD.

CW is alive and well! A dying art? I don't think so. Great condx . . . K7ABV. The last contest effort from W7FU QTH. We're going to miss you, Gordy . . . KE7V. Being called by BY1PK for QSO number 8 . . . NF7P. What a thrill to run Europe for hours on end. Great conditions . . . N7RO. Lack of Latin America and South Pacific very noticeable . . . W7GUR. Finally working zone 34 in a contest . . . KA7T. Great conditions. Finally finished WAZ! . . . K7WA. My best score to date! . . . KR7L. No West Europeans on long path or short path. The antenna worked great anyway (3.5 MHz) . . . KC7EM. Flux = 262, A index zero, K index zero, GF quiet. The best condx for a contest . . . W7QN. The woodpeck-

USA CLUB SCORES

Frankford Radio Club	307,534,371
Yankee Clipper Contest Club	188,519,043
Potomac Valley Radio Club	96,362,094
Southern California Contest Club	83,496,117
Northern California Contest Club	66,231,876
Mad River Radio Club	33,827,641
North Coast Contesters	32,465,711
North Texas Contest Club	31,443,501
Southwest Ohio DX Assn.	29,245,338
Society Midwest Contesters	29,119,531
Southeastern DX Club	28,315,468
Dixie DXers	26,000,505
Western Washington DX Club	18,014,130
Rochester DX Assn.	13,656,013
Hoosier Contesters	13,525,781
Order Boiled Owls NY	11,357,320
San Diego DX Club	10,315,966
Mile High DX Assn.	10,065,625
Mississippi Valley DX Club	7,420,565
Fraser Valley DX Club	7,396,710
Willamette Valley DX Club	7,107,427
Eastern Iowa DX Assn.	6,918,679
Redwood Empire DX Assn.	6,918,414
Northern California DX Club	6,918,414
Central Florida DX Assn.	6,285,777
Kansas City DX Club	5,836,917
Grand Mesa Contesters	5,350,965
New Jersey DX Assn.	4,842,028
Western NY DX Assn.	4,827,716
Southern California DX Club	4,718,365
Southern Florida DX Assn.	4,605,501
Murphys Marauders	4,394,481
Utah Contest Club	3,304,983
Texas DX Society	3,181,964
Albany Amateur Radio Club	2,811,037
Delta DX Assn.	2,523,881
Salt City DX Assn.	2,492,730
Meriden Amateur Radio Club	2,208,619
Central Arizona DX Assn.	2,198,234
Columbia Amateur Radio Club	1,962,000

Northern Florida DX Assn.	1,814,875
Carolina DX Assn.	1,247,278
Long Island DX Assn.	1,204,293
Radio Central Amateur Radio Club	1,163,641
Woodbridge Wireless	1,090,183
Tyler Amateur Radio Club	1,069,176
Rubber Circle Contest Club	913,761
Alamo DX Amigos	796,726
Sturdy Memorial Hospital	526,506
Overlook Mountain Amateur Radio Club	159,436

DX

Rhein Ruhr DX Assn.	74,729,033
HADX Club (Hungary)	72,420,481
Bavarian Contest Club	58,897,269
Kaunas Polytechnic Radio Club	35,567,973
Northern Lithuania DX Group	35,049,712
Ukraine Contest Club	32,106,951
French DX Foundation	24,911,548
YUDX Club (Yugoslavia)	16,727,061
Alaska DX Assn.	12,246,345
Bullmertz (Sweden)	7,331,190
RadioKlub der DDR	7,251,670
Tohoku Univ. ARadio Club (Japan)	6,978,889
Eastern Canadian DX Assn.	6,283,984
Osaka Electro Comm. University	5,497,271
SPDX Club (Poland)	4,427,407
Chiltern DX Club	4,208,178
English School Radio Club	3,848,266
Shibaura Instit. Tech. Amateur Radio Club	2,909,783
GACW (Argentina)	2,245,786
UDRA (Dominican Rep.)	2,078,953
Uruguay DX Club	2,065,461
SDDXG (West Germany)	1,362,579
Lithuanian Contest Group	632,874
ES DX Club (Estonia)	631,356
Warsaw DX Club	544,302
Radio Club Tallinn	322,521
Tartu Radio Club (Estonia)	167,447
Nikolaev Radio Club (Ukraine)	44,232

er was not an issue this year on the USA west coast. Glasnost must be working... *K5MM/7*. CW is great! 100 watts + G.P. still feels competitive—working D44BC, EL2CX, and EA9EA... *KL7KG/7*. This is my best contest ever. It was great fun to work the world!... *K7WK*. Best of all contests... *K4FW/8*. Getting out on 40 meters (G5RV is inside attic!)... *W8MHW*. Great contest, my best score in 20 years of contesting... *W8GOC*. Working South Pacific area on 40 meters... *W8BME*.

More than doubled last year's score and broke the one mill on point barrier for the first time... *W8BM*. All that CW didn't affect me, did it? Dit-dah-dit-dit, dit-dit-dah-dit... *N8AGU*. While scientists ponder the state of the ozone layer, I think we can attest that the F2 layer is in great condition!... *K8DJZ*. This is the first contest I have operated since the days of K8LX... *W8WA*. Just 3-element tribander at 35 feet—great conditions!... *K9BG*. Hi-lite of test was working 9M6NA... *NJ9Z*. Worked VS6BG, 5H3TW, and BY1PK for new countries—loved it!... *N9ACD*. Wow, what condx! First hours, propagation from all parts of world at once. Didn't know where to turn the beam next!... *NA9N*. CQ WW CW is still the best contest of the year... *K9UWA*. Murphy hit in oddest way: doorbell rang, nobody at home, ran out to sign for a registered letter, locked myself out of house... *W9GXR*. My first 1 meg score!... *N9AEJ*. Sure not to work zones 11 and 13 on 40 meters! Where were they?... *KS9O*. This log is dedicated to silent key K9DGR, who helped convince me to become a ham... *WB9YXY*. Truly great condx! Will remember this one when I'm an old man... *N4RR/9*.

ByS answering my CQs!... *N9NS*. Second CQ WW CW contest: increased score by 10.7 dB!... *WE9R*. Tried working 10 meters; keyer and radio locked up from RF... *NR0E*. Europe very loud on 40 meters... *W0RXL*. Super band conditions... *KZ0C*. Worked SU1RR, last zone I needed on 10 meters... *NX0I*. Nice to hear 10 meters open... *KF0Z*. Thank God for the JAs... *KJ0B*. Slept 6 hrs second night. Won't do that again!... *W0ZV*. FR4 zone 39 at end of contest... *W0JLC*. Topped last year's score in half the operating time... *WA0OUI*. Propagation did exist on 160 meters, but nobody was there... *K0CS*. The discourtesy of

some Stateside big gun operators was inexcusable, usurping obviously QRL frequencies... *KW0A*. Had a ball during our first try in the contest... *K1ULI*. Never, never make antenna changes just before the contest... *W1BK*. The crew on this end was the best ever assembled here... *N2RM*. 99% of the operating by NW3B—14 years old... *N3LR*. Best CQ WW conditions ever—14 MHz open all night... *W6BA*. All the local CW ops were at J6DX... *W8FN*. Best conditions I've ever heard on 40 to Europe... *WB8ZRL/0*.

New Single-Unlimited category is great!... *K1DG*. Suffered an attack of sciata in my leg the week before the contest. As a result, I operated the whole contest standing up. Whew!... *K1VR*. Beating K1AR in a pile-up for JT1T... *NO1I*. Lost 10 meter antenna, rotor, and power on Sunday, but still had fun... *WB2P*. K1EA computer logging is the only way to fly, especially in my first test... *WA2MKM*. First one I did on my own. I'll be back... *KD2RE*. Single Op Unlimited is great. Love those computers... *K3WW*. Rebuilding part of the antenna system two days before the contest due to 80+ mph winds!... *K3ND*. Catching T32BE on 40 meters as he first called CQ Sunday morning... *W3FTG*. My first contest with a beam antenna and amplifier. What a difference!... *KB4G/D*. Still need ZB2X on 160—One of these years!... *W3YY*. Great condx. Worked 102 unique countries and 37 unique zones... *WA4CUG*. Missed AT0Z for last zone on 10 meters while neighbor pounding on the door—no QSO despite not answering door!... *K6MA*. Twenty meter RF drove hard disk nuts at one point. Part of log overwritten by other file, ARGHHH!... *NC7K*. Great contest, great operators, good way to spend the weekend... *W7WHY*. TVI and the flu severely curtailed my effort. Still managed two new ones for CW DXCC... *WD8IXE*.

DX QRM

Excellent conditions... *BY1QH*. Very nice for us to take part in contest

as a team. We really enjoyed it... *CE1LDS*. Next time we will be using a better setup... *CE3/OH6VR*. Disappointed we could not be multi-multi until we figured our score was very good for multi-single... *EA9EA*. We enjoyed the nice conditions, especially on 40 meters... *JA7YAA*. Thank you for the nice contest. We would like to join this contest again next year... *JA0ZRY*. We could not even work JA on 160 with the Butternut tuned at 1903... *KC6AA*. Only big stations heard all bands... *9M2AX*. Thunderstorms and QRN on LF bands were a problem... *TL8CM (Opr. DL8CM)*. Temporarily back on the Drake Twins and it sure indicated the developments in equipment of the last few years... *ZL3GQ*. After a few minutes of trial, *PA0GAM/ST2* finally noticed my weak signal to complete my WAZ... *9V1XI (Opr. JR1MOO)*. Ten meter band was very patchy with occasional blackouts... *ZL2CD*. Some Stateside boys had trouble accepting the AT0 as a prefix for India and quite a few called me... *AT0U (Opr. VU2UR)*. This contest has to be the best... *KE9A/DU3*. Illegal use of 28 MHz in Zones 24, 26, and 27 is escalating! My apologies to those I couldn't hear... *VS6BG (Opr. KB7G)*.

Room reservations were cancelled so I had to start contest at the staircase landing to the roof top... *KH0AM (Opr. JE1CKA)*. Was my first contest in CW. No good propagation with Europe... *EA8EY*. Missed many hours due to weather and power off... *ZK1TB (Opr. W7TB)*. My first CW contest. How do you guys read at those speeds?... *ZS6HZ*. Last CQ WW from Zaire, heading Stateside July '90... *9Q5DX (Opr. WN7S)*. Zone 33 was as big a battleground as the traditional Big Guns have in Zones 8 and 9. Thrilled to finally receive permission to operate on 160 meters. My last CQ WW from CN8... *CN8FC (Opr. WA4UAZ)*. Now 75 years young and feel younger during contests... *HZ1HZ*. Found it pretty tough on 40 and 80 meters from here... *VK6LW*. Just got license and was on air for only 7 hours... *XT2KG (Opr. W6KG)*. Poor propagation and I couldn't use linear most of time because of TVI... *TA2BK*. A real thrill to work so many stations with all the homebrew equipment I built myself... *VU2PTT*. I will return to 9M6 for '90 CQ WW CW... *9M6NA (Opr. JE1JKL)*. 50 watts, 12 WPM no way to get many stations, but a new experience for me... *YC2HTD*. Things like blown linears, TVI complaints, and lost computer data really do happen... *VE3WAA*.

At age 73 the spirit is willing but the flesh weakens... *VE4JB*. Bands were in fantastic condition. The pile-ups were wonderful. Had the beam backwards by mistake... *DL4NN/TI2*. A crawling lizard kept detuning the Butternut vertical!... *VP5Q*. What fun with a dipole at 15 feet... *G6QQ/V21*. Nice contest, good propagation, 115 countries worked. See you next year... *ZW0F*. So many old friends on 160... *VE3DO*. Our first CQ WW DX CW contest. 5B4 seems very much DX on CW! CU for sure next year... *5B4ES*. Lost 160 meters 1 hour before contest when the feed system of the tower went QRT (QRO—hi!)... *OE3GSA*. We had to abandon station for a while to rescue fellow member whose car had broken down... *EI4E*. Antenna stuck SE first six hours and memory keyer went QRT. What a fun way to run a contest. We will be back... *SK5EU*. FB condx with USA west on 40 meters the second morning. USA pile-ups are a model of disciplined operating. Congrats... *HB9CIP*. Biggest thrill: hearing YB on 160 meters... *OZ5WQ*. TNX LZ2XA who was 48 hrs non-stop on the computers. Same problems as last year: very low temperature, snow on the ground, and rotor problems. Anyway, fantastic contest. See you next year... *LZ9A*.

Special call IQ4A for 900 years of Bologna University... *IQ4A*. New prefix and 4.5% dupes. We need a computer... *SN3A*. Thanks to CQ for a super contest... *G3SZA*. Receiver audio failed after four hours. Super conditions!... *IK0NWE*. At last—good condx on 10 during the CW weekend... *OH6NIO*. Very poor the Caribbean stations! Hurricane Hugo?... *I3VJW*. My best work in CQ WW CW... *OK1DXW*. The best conditions ever in CQ WW... *OH6YF*. Three-element 7 MHz Telrex at 30 meters broke before the contest; had to use just a 4-band vertical... *I7ALE*. First contest on 80 meters. Unfortunately, I fell asleep during the second night... *IK2GSN*. Thank you for the contest. It was two wonderful days... *SP4EEZ*. I enjoyed to take part in this contest and take it as an opportunity to work rare stations with my poor rig... *OK1FIM*. More and more problems with ops who do not identify their transmissions for few minutes—so, many dupes, time losing breaking pile-ups with "call?" etc... *YT3AA*. Big problem for stations like me, without amplifier and beam, but very interesting!... *SV9ADH*. This is my 34th CQ WW CW contest!... *YU7SF*. I heard KN0E/KH3, but was great pile-up... *SP3SUX*.

Liberty for all peoples world!... *YO4CAH*. Excuse me for this delay, but we have had already big problems for our liberty... *YO4BQV*. Now many troubles in SP. However, better freedom... *SP9ZD*. Four hours before start a neighbor cut off 3-element wire W beam, but after 90 min. beam was ready again... *YT9V (Opr. YU1FJK)*. The worst rainstorm I

TOP SCORES

WORLD			USA			EUROPE		
Single Operator All Band			All Band			All Band		
P40GD	7,860,694	K3TUP	5,575,913	ZB2X	5,439,250			
D44BC	7,025,553	K1TO	5,192,840	OH0MM	5,413,760			
TU4B	6,668,200	K1CC	4,694,664	YT3AA	3,855,332			
8P9HT	6,571,184	N2NT	4,682,752	CR2A	3,820,320			
HC8U	6,031,176	W9RE	4,661,853	G3FXB	3,783,282			
9Y4H	5,710,159	W1KM	4,524,637	LY3BP	3,319,866			
K3TUP	5,575,913	N5AU	4,395,825	OZ1LO	3,269,467			
ZB2X	5,439,250	N2LT	4,205,460	OH4NRC	3,226,329			
OH0MM	5,413,760	N5RZ	4,044,612	GW4BLE	3,177,044			
SU1RR	5,218,467	AA1K/3	3,996,243	UB4MM	2,968,140			
28 MHz			28 MHz			28 MHz		
ZP0Y	1,692,429	K1ZM	732,564	Y26A	766,746			
CW8B	1,520,001	K4XS	604,035	LZ1KDP	699,515			
YV3A	1,502,440	N8CXX	553,868	I3JSS	587,412			
LT8WW	1,490,512	W9SU	550,565	IT9TQH	559,790			
KH0AM	994,544	N4ZZ	541,926	IO3VJW	552,015			
J79DX	859,360	W4XJ	509,048	G3TXF	542,572			
21 MHz			21 MHz			21 MHz		
N7DF/NH2	1,205,776	W7WA	772,146	OH6MCW	775,820			
5H3TW	1,152,528	N6RO	677,292	Y23A	695,959			
9Y4VU	1,058,772	K9BG	534,240	OH6AC	693,438			
EA8BPW	949,284	KJ9D	512,113	OH5BM	632,548			
CE3DNP	916,020	N4RR/9	508,944	LY15M	516,000			
KH0JF2SKV	831,546	NB2P	490,390	OY3QN	507,111			
14 MHz			14 MHz			14 MHz		
4Z8DX	1,156,148	K2EK	903,200	YU2W	786,510			
K2EK	903,200	W1RR	716,550	UA1DZ	765,545			
VE2ZP	807,234	N5CR	700,135	OQ2QD	709,195			
YU2W	786,510	WY7I	609,980	SM0AJU	638,312			
UA1DZ	765,545	W5FO	477,636	YT3T	556,792			
W1RR	716,550	W1YN	341,187	DF0DX	555,660			
7 MHz			7 MHz			7 MHz		
YW1A	740,375	K1NA	422,272	ON4UN	598,625			
ON4UN	598,625	KE7V	363,393	OH2HE	531,185			
OH2HE	531,185	W3GG	332,904	YT7A	398,790			
K1NA	422,272	K2ZJ	321,408	JW8XM	334,338			
YT7A	398,790	N6RJ	260,145	OH3UU	291,755			
KE7V	363,393	WZ4Z	237,998	Y21NE/A	231,030			
3.5 MHz			3.5 MHz			3.5 MHz		
TA2BK	362,378	W1FV	175,145	LY2WR	241,250			
LY2WR	241,250	KC7EM	90,072	HA8IE	230,268			
HA8IE	230,268	N2KK/6	53,898	UT5UGR	220,779			
UT5UGR	220,779	W0CD/8	41,904	YT9V	179,653			
YT9V	179,653	KB0G	34,080	LZ2KRU	170,156			
W1FV	175,145	KG4W	26,320	OH1AD	169,613			
1.8 MHz			1.8 MHz			1.8 MHz		
LY2BTA	97,524	K5UR	14,718	LY2BTA	97,524			
YT2R	48,576	K4TEA	13,068	YT2R	48,576			
OY9JD	47,040	KV0Q	7,224	OY9JD	47,040			
OK3TPV	39,195	AB4RU	3,952	OK3TPV	39,195			
OK1DQW	34,320	NO4J	1,740	OK1DQW	34,320			
VE1ZZ	29,448	KG9N	578	CT1AOZ	23,660			
Multi-Operator Single Transmitter			Multi-Operator Single Transmitter			Multi-Operator Single Transmitter		
EA9EA	11,755,566	K1AR	9,383,458	LZ9A	9,962,386			
EA8AGD	10,764,460	N2RM	8,612,840	OL8A	9,296,518			
LZ9A	9,962,386	N4RJ	7,811,822	HG5A	8,783,061			
K1AR	9,383,458	N3RS	7,681,856	IQ4A	8,205,495			
OL8A	9,296,518	K8AZ	6,458,385	HG1S	7,073,407			
4J5FV	8,786,700	K1IU	5,763,520	HG0X	6,869,716			
Multi-Operator Multi-Transmitter			Multi-Operator Multi-Transmitter			Multi-Operator Multi-Transmitter		
CT3M	32,031,744	W3LPL	16,221,259	LX7A	20,497,632			
LX7A	20,497,632	KY1H	12,589,938	RB8M	18,570,440			
NL7G	19,008,588	K1ST	12,451,612	4U0ITU	17,158,368			
RB8M	18,570,440	NR5M	12,302,131	PA6DX	13,613,952			
4U0ITU	17,158,368	K4VX/0	11,988,957	OH1AA	10,677,640			
W3LPL	16,221,259	K5NA/2	11,350,820	4N9N	8,952,965			

ever experienced—gave me 3 hours of rest by cutting the electricity . . . ZB2X. See you as GD4UOL in 1990 with a much bigger signal . . . GD4UOL. Still the best contest in the annual calendar . . . G3HCT. Enjoyable contest, conditions good on all bands . . . G3ESF. Curses! I beat the UK single-op record, only to hear on the grapevine that GW4BLE and G3FXB did even better . . . G3XTT. Great condx—recall when it was a big deal to break a million. Now 3–4 million is common! . . . G3FXB. Monobander (K8CC) built with the help of G4BK1 the previous weekend worked a treat. Didn't expect so much interest in 28 MHz from G-land. Paperwork a chore. Might try K1EA next year . . . G4BUO. My best score yet—wish I had a "proper" antenna on 10 met. as . . . G4FZE. Main rig failed at switch on Sunday morning, interrupted by XYL showing prospective buyers round the house, bad TVI complaint forced early close-down—but a great contest! . . . G3NKS.

Putting up my highest score ever with homebrew World War II gear . . . G3GGS. Very good conditions. 28 MHz the best band for me . . . G4ZME. Conditions must have been fantastic; 935 QSOs in 18 hours with only a wire antenna. Fourth major contest running K1EA, totally painless, especially the log chores afterwards! . . . G4BK1. Forty meters is a lot different (as DX) than stacked 4 over 4 at NR5M . . . G0/K5TU. Always much pleasure to participate in CQ WW, super 10 meters! To next year! . . . F1JCB. My best entry in this contest. A great event! . . . F1JDG. Excellent propagation about 0730 to 1930 GMT . . . F1LJY. Biggest thrill—5T5BG and 5T2UIT . . . F2DE. They call me "Crazy Keyer" . . . TM5T (Opr. FD1LMJ). A big success your test. On CW 250 Hz filter was "hot"! . . . F6AUS. For the WW DX SSB I was on the FY0P team. I prefer to operate multi-single all bands in DX place. Hi . . . F6BFH. Was tired before starting the contest and had many equipment failures. I shall try again next year . . . F6BEE. Very good contest but I am limited because I am 83 years old . . . F8TM. Fantastic conditions. It was a great contest . . . EI3DP.

Some stations are too fast for my ears. Nice contest . . . EA6GP. Very good test but sorry for my CW. Is my first CQ test CW, and only 7th month in CW activity . . . EA6ZS. I worked all weekend. Until next year . . . EA2CKP. HZ new country for me—only QSO out of Europe (with 40 watts and indoor antenna) . . . EA4BV. This is my first CQ WW DX Contest on CW. It is difficult with the OMs with their "high Power," hi . . . EA4VA. Mni trn fr FB contest. Hope to work again all ops in 1990—age 77 in February . . . DL1TH. Water in the traps made my 80 meter dipole work like a dummy load, hi . . . DL3YBM. Used KV01 real-time contest program, fb condx, Sunday solar flare disturbing bands . . . DJ5JH. LIDs and QRM hindered my call to be taken by 4U1UN who had my suffix ok . . . DJ5AV. Joined this fb test for the first time. I will take part next year again; K1EA program very FB . . . DL5JQ. Poor conditions—not a single W on 160 or 80 . . . DL8ZAJ. Best wishes for the coming holiday season . . . DL9PU. A good 1989 final but a very bad aurora on Sunday evening . . . DF0DX (Opr. DL1YAW). Nice to work DXCC in one weekend . . . DL0IU (Opr. DL4AAE). FB contest—good condx. But aurora around 1800 terminated things. Best QSO CE0ZIG . . . GM3CFS.

Just a token effort from an old timer (80 years) . . . GM8SQ. I wish someone would run the test from the Shetlands. This would stop ops sending "Are you Shetlands?" all the time . . . GM4OBK. Being recognized by various stations through 40 years of participation in WW—how much longer? Now 72 years old! . . . GW3JJ. It was a funny contest. TNX . . . HB9DFY. Now 40 years of Ham Radio, still with you in WW CW contest . . . HB9KC. Great to get through pile-ups from DU, PY0F, BY, etc. . . . HB9DCQ. Traveled to Svalbard to give as many as possible a JW in the contest. Will be there in 1990 for a more serious effort . . . JW8XM. This is unfair competition; small pistols have to fight in the same class as big guns. Where else do you find such unsporty game (hi)! I have always loved contest, but I am longing for a 100–200 watt limit class. It would have made it all more exciting to fight with more equal weapons . . . LA4YW. I joined the contest first time 40 years ago. Just as much fun as in the old days! . . . LA6PB. Zones 22, 26, 34 always difficult in contests. Did some zones not take part? . . . LA6FC. Nice test! The band was crowdy from early morning to the middle of the evening. My first CQ WW on CW but not the last . . . LA9DFA.

Log completed by K1EA contest program . . . LA9HW. Used K1EA program for first time and love it. Really thrilling to see score growing with every contact . . . LA0CX. Had great fun, but hard job to come through when surrounded by "big guns" . . . OY1CT. Used K1EA Program with no practice before the contest . . . OZ1LO. Nice to be in this contest again and still improving my score. Within the next 10–20 years I will be a real threat to the local OZ guys. Hi! . . . OZ1BIZ. Serious breakdown on hard disk lost all contacts for 8 hours and kept us off air another 8 hours . . . OZ1OXZ. This is my first test as I'm new amateur out enjoyed it very much . . . OZ4AK. Thanks for another contest with great activity and fb condx on 40 and 80 . . . OZ6PI. Duplicates checked by

computer. The best condx I've ever had in this contest. Must be lazy; should make at least 1000 QSOs . . . OZ8AE. It is strange to work under own call—former member of PA0KHS crew . . . PA3ADJ. For the first time in many years home again, instead of in YB3 or other places . . . PA0LOU. Condx on 28 and 21 were excellent; on 14 heard stns via SP and LP at same moment, hence shaky and echoing sigs . . . PA3AMA. Nice contest as always . . . PA3EOB.

PA60 is for 60 years ham radio in PA-land . . . PA60DIN. First contest about 30 years ago. Still like it, glad meet old friends . . . SM7TV. I worked over 1000 QSOs in 48 hours for the first time! . . . JA1YAG (Opr. JG2TSL). CT (by K1EA) made me so happy! . . . JH1GIV. I could not work 80 meters so much due to interference . . . JR1JUV. Final score for this year increased 20% due to better propagation . . . JA1IFB. Enjoyed very much Cycle 22's good conditions, especially on 28 and 21 MHz . . . JA1AIU. Averaged 100 Q's per hour for the five hours I had to operate . . . J1AAI (Opr. K8HVT). I got three new countries during this contest. VY glad . . . JA1EMQ. This score (on 80 meters) was two times my last year's . . . JE2LPC. Biggest thrill was working W1 area with this 75 watt rig . . . J2AAF (Opr. W1END). If Saturday were a holiday, the contest would have been more enjoyable for me . . . JA3YKC (Opr. S79M). Band condx not so good, but I enjoyed the contest . . . JH3CXL. Thanks very nice contest on 28 MHz, but could not QSO with Zone 2 . . . JF3LOP. Antenna is no good, so I couldn't win the pile-ups for CT3 and CN0; but thanks, I enjoyed the contest . . . JA4UIT.

I joined the contest with a PC logging and keying program which I designed . . . JA5BJC. I couldn't work any US station on 160 except NL7G. I wish I couldn't sleep during the contest . . . JA8RWU. This time my first entry to CQ WW, so always excited, impressed, and surprised . . . JE8MFG. JW8XM picked up by weak signals on 7 MHz . . . JR9DKJ. I really enjoyed this contest. Thank you . . . JA0NCE.

STATION OPERATORS Multi-Operator Single Transmitter

4J5FV: UB5OK, RB5UJ, RB5II, UB5-073-1151, UR5UI, UR5FZ, UR5INO, UR5IFN, UR5-073-307 **4N2D:** YT2GA, YT2ID, YT2TL, YU2CQ, YU2DZ, YU2FK, Luksa, Matc, Roko. **4N2N:** Denis, Kreso, Pero, Sale, Sasha. **4U1UN:** K2GM, K2SS, K2TW, N1XX, N2AA, NA2K, **5B4ES:** 5B4WN, 5B4XN. **BY1PK:** BZ1AA, BZ1AB, BZ1AI, BZ1AL, BZ1HAM. **BY1QH:** AA5NK, BY1BA0. **BY1SK:** Mr. Chen, Miss Li, Gong Ke Lu, Mr. Meng, Miss Sun, Mr. Wang. **BY4AA:** He Li-Jun, Hu, Yu Shun-Zhao, Xin Yao-Nan, Xu Ru, Zhou Lu. **BY4SZ:** Chen Bin Yong, Chen Shi Wai, Goa Jur, Jing Jin Feng, Wu Zhi Yuan, Xu Gen Nuan, Zhao Ji Ren. **CE1LMS & CE1GKM:** CE1DM. **CE6/DH6VR & OH6NT0:** CNBA: F2CW, F6AT0, F6BDY, F6DQW, F6EFM, F6FFP, HB9CUI, NX1L, TK5EL. **DA1WA:** DA1DS, DA1SC, DA2EN, DA2HS, DA2JL, DJ1MU, DJ9CB, DL1AO. **DF8RR:** DK60I, DL4EBY, DL4FT, DL7AEN, DL7ALM, DL7PV, D.7SI.

DK00I: DB50D, DJ3XD, DJ7MG, DK1II, CK3FX, DK8KW, DL2RC, DL3LP, DL50AP. **DK0ZT:** DF3SV, DJ5AI, DL1SBF. **DL1DAS & DK2YI:** DL0ER & DK7FF, DL1EFD, DL8DAV, DL9XY. **DL0BL:** Club. **DL0RL:** DF8AN, DJ1YJ, DL2AAZ, DL6AAL. **DL0WU:** DJ4AX, DJ8SW, DK4TP, DL1HX, DL2ZAE. **DX1CW:** DU: CW0, DU1CW, DU1MD5, 4F1AED, 4F1ARC, 4F1AKH, 4F1BYN, 4F1DWW, 4F1FZ, Andy, Caloy, Darwin, Kiko. **E33VY:** EA3AIR, EA3AVV, EA3DXD, EA3FER, EA3KU, EA3LL. **EA8AGD:** OH6DK, OH6EI, OH6LK, OH6GS, OHG1U, OH4LP, OH8PF. **E4SEA:** EA3GAS, EA4BB, EA5BA, EA7AL, EA7TL, EA9E0, EA9EU, EA96S, ECTD7MU. **E16A:** E13ER, E15CG, E16FA. **FF6KMG:** F6BCW, F6EQN, F6ESW, F6FBR, F5IIE. **FF6KPO:** F5CQ, F6CTS, F6DZD, F6ETI, F6IFI, F6IPW, FB1LWX, F11HMB, F11HME. **G3LNS & G3MXJ:** G3SZA & A6MCC, G3SED. **HB9CIP & HB9AJM:** HB9BL0, HB9CJT, HB9DCW, HB9FAF, HB9YC.

HA3KIC: Cispke, Nemeth, Tardi. **HA3KNA:** HA3FO, HA3OU, HA3CV, HA3NU, HA3NS. **HA8KCC:** HA8EK, HA8FV, HA8KH, HA8OT, HA8FT, HA8DZ. **HA0KLL:** Club. **HG1S:** HA1TT, HA1DAC, HA1CAE, HA1AH, HA1SV, HA1TD, Nemeth. **HB5A:** HA5GF, HA7RY, HA5IW, HA5ML, HA5WE, HA5OM, HA5LN, HA5MK, HA5BNL, HA5FM, HA5AWH. **HG5C:** HA1AG, HA5MO, HA5QG, HA7SB, HA7XQ, HA8UB. **HG6N:** HA6ND, HA6ON, HA6NY, HA6NQ, HA6OQ, HA6NF, HA6P. **HG6D:** HA6HG, HA6OR, HA6ANR, HA6ER, HA6HV, HA6BK. **HG0X:** HA0DU, HA0LC, HA0MK, HA0MM, HA0NN, HA0OB, HA0VI, HA0VN. **IP4T:** 1X1PO, 1X2EU, 1X0EW, 1XVXJ, 1K2BHX, 1K2EGL, 1AUSC, 1ALFH, 1A4SS. **1O4A:** 14EAT, 14IKW, 14ND, 14LCL, 14RNL, 14TJE, 14VED, 1K4CFZ, 1K4DCT, 1K4EKW, 1K4NPD. **IY2A:** I2UIY, I2YSV, 1K2DVG. **JA1YAD:** JA9UFS, JH7UC, JH9AMJ, JN1HYU, JS1DSC. **JA1YDU:** JH0LFE, JH0NZN, JF1NWZ, JR0BD.

JA1YFE: JETWJ, JJJDLZ, JL1BLW, JO1DL, JO1RUR, JP1CGL, LQ1BRW. **JA1YXP:** JG1TNX, JG2DHO, JH0RRR, JH1UTP, JO1J0Z, JO1SBZ, JP1KAJ, JP1SMR, JO1UXN, JS1DRL, JS1NN. **JA3YBF:** JF4FUF, JG4CLV, JJ3IMX, JJ3KGS, JO3VIZ. **JA3Y0I:** Atushi Furuta, Yoshitaka Hirano, Kenichi Tamura. **JA3Y0D:** JEGMYI, Akio Horie. **JA6YBR:** JEBWME, JF1DHS, JF6DEA, JI6BR3, JR6GKT. **JA6YJL:** JE6EKC, JEGUWK, JF4CZL, JI6UDE. **JA6YJS:** JF4ETK, JIKYKY, JS1PWV. **JATYAA:** JA9PPC, JEH7LZ, JET7JZ, JEBAWL, JH00RW, JJ3CNL. **JABZRY:** JH5XDD, JH0LL, JI2IAW, JN1JVA, JP1NCM, JP1QGO, JR01GT. **JT1T:** JT1BJ, JT1BX, JT1CP. **K0RF & W0UA:** K0RWL & K0LAA, K0VBV, K0ML, N0WF, WA0GKZ. **K1A2 & K1EA:** K1GD, K1F1. **K1U1 & K0PSX:** N01F, NS1F. **K1U1J & K2FE:** K3010, N01V, WA1UXX. **K2SG & WA0R:** K3D1 & K3BHH, N3FZB, NG1W. **K3TM & N3B0.**

K8AZ & K3TUP: K8BL, K8NZ, K8M, N8AA, N8ATR, N8DMM, W8CAR, W8KIC, WT8C. **K8NN & N0COP:** KA1KPH & NC1B. **KA1LSZ & KC1QN:** KA5W & K51G. **K3BMM & N3ARK:** KC5DX & W0SW. **K6GAA:** K1KX, KQ1F, NT2X. **KX60I & KX5GL:** KX6HE, KX6WS. **LA1T:** LA4BQ, LA9UX, **LY1BW:** LY2BNZ, LY2BQT, LY3BAD, LY3IMX. **LY2BAI, LY2BHD, LY1BYK:** LY2BBI, LY2BJV, LY2BDB. **LY1BZ:** LY2PBC, LY2OM, LY2TKP, LY2WW. **LY1BA, LY2BIJ, LY2BKW, LY2BMW, LY2PX:** **LZ1KC:** Bogdanov, Kostov, Vekov. **LZ1KXP & LZ1N143, LZ1N151, LZ1KVF:** LZ21PM, LZ21C181, LZ21C187. **LZ2KSL:** Club. **LZ9A:** LZ2BE, LZ2CC, LZ2DF, LZ2HE, LZ2II, LZ2PO, LZ2PP, LZ2PS, LZ2TT, LZ2UA, LZ2UU, LZ2XA, LZ2E41, LZ2E72. **N2NU & K2WI:** WA2IU0. **N2RM & K2B2F:** KZ2S, KM3T, N2ME, WM2H. **N3BB & AA5BT, N5DU, N5GM, W85VZL, W05N, N3HW & N3RW.**

N3LR & N3WB: N3RS & KC2M, N3RD. **N4RJ & K3JT:** KM9F, N4NX, W8ZF, W8PHI. **N5EA & K5RVK:** N5CJU, W5ASP. **NA3K & K3IE:** M3W, N6FS & KF6VU, N6SKF. **N0BT & AA4NC:** N4TD. **OE1XTU:** OE1BKA, OE1JNB, OE3DSA, OE4BKU. **OH7NTM:** OH7MHL, CH7WV. **O6AX:** OH3MEP, OH6NEK. **OK1KHA:** Club. **OK1KNC:** Club. **OK1KOK:** Club. **OK1KOJ:** Club. **OK1KSL:** OK1AHG, OK1DSL, OK1FAK, OK1FEL, OK1FIL, OK123544, OL130U, OL1BSP, OL1BUE, **OK10FM:** OK1DRQ, OK119973. **OK10PT:** Club. **OK2KDS:** Club. **OK2KJU:** Club. **OK2KMR:** Club. **OK2KOD:** OK2BDI, OK2BGR, OK2BNC. **OK2KQJ:** Club. **OK2KVI:** Club. **OK2KYC:** Club. **OK20I:** OK2BX, OK2FD, OK2PTW. **OK3KEG:** Club. **OK3KFO:** OK3FC, OK3GTG. **OK3KGO:** OK3CLL, OK3TH6, OK32351. **OK3KUN:** Club. **OK3KZA:** Club.

OK3RJB: OK3CKW, OK3CQD, OK3CSQ, OK3TCL, OK3TRJ. **OK3RKA:** OK3CPC, OK3CQR, OK3TDP, OK32745. **OK5R:** OK1ADM, OK1ADS, OK1ALW, OK1DIM, OK1RI, **OK5W:** OK1AEZ, OK1AI, OK1APJ.

OK1CF, OK1JJB, OK1WC, OK1WT. **DL8A:** OK2PZW, OK3CBU, OK3CDV, OK3CTL, OK3EA, OK3GJ, OK3JW, OK3LA, OK3LU, OK3LZ, OK3NA, OK3TAP, OK3TLU, OK3TMM, OK3YEC, OK3YX. **DN6AH** & **ONSVA**, **ON6VM**, **ON6OR**, **ON6VL**, **ON7PC**, **ON7ZV**. **OZ5WQ** & **OZ3PE**, **OZ3ZW**. **PA63DHR:** NL16594, NL10363, NL10373, PA3AQL, PA3CHR, PA3EXI. **PI4DEC:** PA3ATA, PA3AWW, PA3BXD, PA080E, PA07UK. **RB4EKN:** Shabelsky, Valio. **Bojko.** **RB4IWE:** UB5-073-4328, UT5SI, UB4IRI. **RB4IYJ:** R410U, UB5-073-4364, UB5-073-5972. **RL1P:** UL7PAE, UL7PCZ, UL7PL, RL7PHL, RL8PY, UL7PGA. **R07W:** U02GAG, U02GD, U02GDW, R02GG, U02GJR, U02GUB, U02GP, U02-037-116, U02-037-83. **SK3AH:** SM3COW, SM3COL. **SK5AJ:** SM5AD, SM5C3N, SM5CNO. **SK5EU:** SM4HAK, SM5GL, SM5MLL, SM5ODQ. **SL6CB** SM3LGO, SM40SR, SM5NZY, SM6MYF, SM6SJJ, SM6SZS, SM7MXO, SM0NSJ, SM80GQ, SM0RGH, SM0RVV, SM0TIF. **SN3A:** Jerzy Smoczyk, SP3ASN, SP3GEM, SP3RBI, SP3RBR. **SN9C:** SP9DTI, SP9JPA, SP9RPT. **SP4K7O:** Club. **SP9PDF:** SP9MDS, SP9NRD, SP9TCV, SP91573KA. **SP9ZHR:** SP9EMI, SP9415KA. **T32BE:** WC5P, WD5F. **UB4MWU:** UB5MBM, RB5MRE, UB5-059-751, UB5-059-745. **UB4MZK:** UB5MJS, UB5MRE. **UB4IZA:** UB3IBZ, UB5-073-342, UB5-073-426. **UB4TWL:** Club. **UB4SWB:** RB5SJ, UB5NQ, RB5EX. **UB4QWW:** UB4QW, UB5-064-866. **UB4WYA:** UB5WDW, UB5WCG, UB5-068-309. **UB4WZA:** UB5WBY, UB5WCX, UB5-068-997. **UB4LWY:** Pzrh, Gubenko, Belousov, Okhotir, Nuzhny. **UB4WZB:** UB5-068-1013, UB5-068-1014. **UC1IWR:** UC2-008-197. **UC2I8M.**

UC1AXG: UC2AFC, UC2-189-2. **UC1AWC:** UC2CFP, UC2SDD, UC2-005-323, UC1-001-220. **UC1CWB:** Zubarev, Baby, Krauchenko. **UC1CWR:** UC2CDB, UC2-006-107, UC2CFD. **UC1AXA:** RC2AB, UC2ACX, UC2SAI, UC2AFC. **U9AWX:** U18ACI, R18AK, **UL8CWW:** UL7CT, UL7CC, UL7CAA, UL7-428-272. **UP18ZG:** UP2QA, UP2BCO, UP2BCT, UP2BCV, UP2BTS. **UP18ZO:** LY2NK, LY2BDV, LY2BDW, LY2BFN, LY2BMX, LY2BKZ, LY2BOA, LY3BX, LY-346. LY-1751. **UR1RWX:** UR2RRR, UR2RJD, UR2RJ, UR2RHF, UR2RNG, UR2RNA, UR2RNT. **UW9CYA:** UW9CK, UW9CZ, UB5FFZ. **UZ0BWA:** UA0QDL, UA0QBR, UA0QBN. **UZ0ZWA:** Laurentiev, Pchelin, Tishkov. **UZ1AWQ:** Timofeev, Onishenko, Doszenkov. **UZ1AWO:** UA1AAF, UA1-169-900, UA1-169-848. **UZ1AWT:** UA1ALZ, UA1AFN, UA1-169-823, UA1-169-2475. **UZ1TWB:** RA1TE, UA1UM, JA1TFI. **UZ1OWJ:** UA10AA, Kucherin, Sackov. **UZ2FWA:** UA2FJ, UA2FM, UA2FX, UA2FZ, UA2FC, UA2FEA, UZ3AA. **UZ3AXH:** UV3FL, UA3AMQ, UA3-170-849. **UZ3AWR:** UV3AEV, UV3AFI, UA3ABJ. **UZ3DWW:** UA3-170-998, UA3DLW. **UZ3DWW:** Club. **UZ3DVA:** UA3-121-2251, UA3-121-1512. **UZ3XWV:** UA3-127-200, RA3XA, UA3XBP, UA3-127-204, UA3-27-21E. **UZ4AXM:** UA4ALI, UA4AIY, UA4AVZ. **UZ4AYN:** Karaichev, Kochenkov, Gerasimov. **UZ4CYL:** Repetun, Orlov, Kondrashov. **UZ4FWA:** UA4AFZ, UA4-148-360, UA4FED, UA4-148-363, UA4-148-141. **UZ4HWS:** Milenin, Rozgachjov, Shvenchenko. **UZ4HXX:** UA4HOX, UA4HVX, UA4HJG. **UZ4LXA:** Gorbunov, Bogoutdinov. **UZ4PWO:** Shelatov, Osipov, Mironov, Fedotov. **UZ4PWW:** RA4PD, UA4PAZ, UA4BKJ. **UZ4SWF:** Radushin, Mamontov, Luctev. **UZ4WA:** UA4WA, RW4WA, UA4-099-729.

UZ4WVB: Rlinov, Sajfulin, Fnohtaev, Nekrasov, Korotav. **UZ4WVY:** UA4WV, RW4WR, UA4WI, UA4WES, RW4WV. **UZ4YVY:** RAYM, UA4YGM, UA4YGT. **UZ6AXS:** Mandrika, Bessarab, Chumathenko. **UZ6HWA:** UA6HSV, UV6HTV, UV6HSI. **UZ9CXE:** UV9CP, RA9CQE, UA9-154-2350. **UZ9XMM:** Bugrimov, Srebolkin, Procopencu. **UZ9XWV:** UA9XC, UA9-090-1253, UA9-090-1058, UA9-090-393. **UZ9YXI:** Proskuryakov, Putincev. **UZ9YXL:** Club. **VE3WAA:** VE3AGR, VE3DTR, VE3IIN, VE3IJE, VE3LFA, VE3OEO, VE3OEV, VE3PCT, VE3RDN. **VK3EVT** & **VK3CGH,** VK3MCO. **VP5Q:** K2LE, W2AX, W2GE. **W02TEC:** WU2HNY, WU2JRM, WU2TEW, WU2WZY, WU2ZMZ. **W0NA** & **W0AR,** W0CW, W0CY, W0QZP. **W0RLX** & **K0KR,** N00I. **W0WV** & **K0AT.** **W0ZZ** & **K0AT,** W0ZZ, K16EZ, W6XB. **W1AF:** K3UOC, KA1KCN, KA1SSQ, KM1G, K010, N1FME, NV1L, N21W, WB9UDQ, Holly, Mark. **W1BK** & **W1VAR.**

W1HAB & **K2NA.** **W2UI** & **N3KR.** **W3XU** & **KN5H.** **W6BA** & **K7JYE,** N6AV, N6AW. **W6FN** & **KU8E,** N8BJQ, N24K. **WB3LFZ** & **WB3FZ,** WB3HAE. **WB8K** & **K8YE,** WB8CN, W8GMF, W8JGU, W8XU, W8BEIN, W8BRCN. **W8LLD** & **K8ZH,** N8FLS, N8FR, W8AUB. **WU7T** & **CL1UF,** W47KH. **XF4T:** XE2DBG, XE2MX.

Y32CN: Y24LN, Y32TN, Y44PF. **Y35L:** Y26BL, Y26WL, Y27FL, Y33TL, Y33UL, Y33VL. **Y41CM:** Y21RM, Y24AM, Y41YM, Y41ZM. **Y51CA:** Y22PA, Y22SA, Y25MA, Y660A. **Y57CA:** Y31FA, Y57ZA. **Y59CA:** Y33MM, Y59IA, Y59ZA. **YT2D:** Ga, YT2SC, YT2SW, YU2SD, YU2SU, YU2S, Zvonko. **YU3AI** & **Y130T,** Y13RN, YU3BM, YU3BS, YU3EY, YU3MM. **YU4CMN:** Club. **ZM2A:** ZL2AGY, ZL2AMI, ZL2AXJ, ZL2IN. **ZW6F:** PY1DFF, PY7JJ, PY7XC, PY7ZZ, PY0FF.

Multi-Operator Multi-Transmitter

4N9N: YU1ZB, YU1MSU, YU3IW, YU1A0, YU1CL, YU1EW, YU1LA, YU6AR, YU7AX, Vlada, Slavko. **4U0IT:** G3SXW, HB9AMO, K5VT, KC7V, N2IC, N7BG, N7NG, W6MSG, W6UOL, W6RGG, W7CB, W7Z6. **9M600:** K8CW, N200, WB2KXA. **CT3M:** CT1BQH, CT1DIZ, CT3BX, CT3EE, CT3EF, DF5UL, DJ2YE, DJ8VC, DK3KD, DL1EFT, DL1EK, DL3HAH, DL5EBE, DL5XX, EA4AS, EA7CEZ, HB9CEY, HB9CRV, OE1ETA, OE2VEL, OH1EA, OH1NOA, PA3CEF, UA3CEA, UQ2MU. **DF2RG** & **DF7MV,** DG2RCH, DH5MBB, DJ10J, DJ1US, DK6WL, DL-MAJ, DL3MAA. **DLBK:** DF3LP, DF3LZ, DF61L, DJ2BV, DJ4FZ, DJ6TK, DJ6TN, DJ7S, DK7LJ, DK8LD, DK9AV, DL2TZ, DL4LB, DL2NR, DL4MEH, DL5RWB, DL5MAO, DL7MAE, DL8RZ, DL4MCF, DL8XE. **DF3QG** & **DF1CF.** **J6DX:** AC0S, K6XG0, K9B0L, K6RZFI, N9AG, NC8Q, NR8E, VPR2E, W3ILC, W8HJR, W8OK, W8JDF. **WB9CIF.** **JAT7YC:** JF7HYZ, JF7BG, JI7LZ, JA7-38336. **JA9YBA:** JA9LJN, JA9OTX, JA9OCE, JA9VDA, JH0CAZ, JF9ETC, JN3OCB, JR0ELG, JR9FNN, Fujita.

ZE2YRD: JR2SCJ, JR2SQU, JI2KVV, JF2DQJ, JI3JGJ, JI3ERV, JK3GAD, JH4RHF, JR70MD, JA9-10148, JF2EFC, JH2FNI, JF2XJE. **JR1ZTT:** JR3NRI, JI 2A1I, JI1M1U, JI1M1SO, JI1M1W. **K1ST** & **K1FWE,** K1MMS, K1RX, KA1R, NB1H, N1BL, NX1H, W11H. **K2TD** & **KY2Y,** WB2R, WB2YDF. **K4VX/B** & **AG9A,** K4XU, K9ZD, H4CC, NS0Z, K9BGL, N9JF, W9WI, W00G. **K5NA/2** & **KU2D,** N2EK, NG2X, W2RQ, WB2D. **K6UA** & **K6SSS,** K6VL, K6K6M, W6CQC, W6KUT, W6UQF. **K6ZM** & **ADEE,** AK6T, K4UVT, N86L, K07N & **K/BDV,** N0XX, W7IL, WA7TDZ, W67N, W7JR. **K02D** & **K2NJ,** NR2H, K53F & **NE3F,** W3AP. **KY1H** & **AA6RX,** KB1W, KY1K, N2KW, N2MG, NB1Y, N2ST, N51M, NV1J. **L7KA:** DF3CB, DF3AA, DF6RI, DF7RX, DF9LJ, DJ0IF, DJ1AT, DJ2BW, DJ2EH, DJ2TF, DJ5PA, DK2GZ, DK2OY, DK2ZO, DK3GL, DK5PD, DK5WL, DK7PE, DK8FD, DK9IP, DL1HCM, DL1SBR, DL1VJ, DL2HXB, D2VBU, DL3LAB, DL3NCI, DL4NAC, DL4RDU, DL5MAE, DL5RDO, DL6FBL, DL6RAI, DL7AV, DL7MAT, DL9RD, LX1II, LX1MK, LX1RC, LX1WW, Angela.

N2MM & **NF2L.** **N6DX** & **AD6C,** AE6E, K2BA, KA6SAR, N6IC, N6VI, N6VR, NM5M, WA7Z1N. **N6ND** & **K1ZKM,** K6JYO, K6Z4, K9VV, K16MS, K16V, N6CW, N7CW. **NH1AA:** OH1CO, OH1DL, OH1HD, OH1J, OH1KO, OH1LD, OH1M, OH1SY, OH1W, OH3GI, OH7FE. **PA6DX:** PA6CI, PA6CQR, PA6CRR, PA6JMH, PA6LV, PA6SKP, PA6VJ, PA6AAV, PA6ABA, PA6SAB, PA6BFA, PA6BMT, PA6CTM, PA6CWA, PA6DFT, PA6DQW, PA6DSS, PA6EGH, PA6ETH, PA6FLS. **PI4RTZ:** PA3AAM, PA3ALP, PA3BLU, PA3BUD, PA3BWD, PA3CAL, PA3DMH, PA3ELX, PA3ERC, PA3EWP, P00MCL, PE1LWN. **NR5M** & **K2TNO,** K2UA, K5CX, K5GA, K5GN, K5LZO, K5WA, KE5IV, K13L, WB4LZG, W5B5IR. **RB8M:** RB4MF, RB5MA, RB5MF, RB5MT, UB3MM, UB3MN, UB4ML, UB5MDA, UB5-059-12, UB5-059-353, UV6HRS. **SP3KOV:** SP3OAK, SP3SLB, SP3SUL.

UZ6LV: UA6LV, UA6LFD, RA6LR, UA6-150-1103, UA6-150-1336, UA6-150-1403, UA6-150-1410. **VE7ZZZ:** VE7ARS, VE7AV, VE7DP, VE7DRS, VE7EME, VE7ENS, VE7SK. **WB4IH/9** & **WA6J,** W0UC, W0UO, N0NO, K99S, K50T, K0PVP, N0B5H, N9BC, KN0V, KM00. **W3GM** & **K3ND,** KY3N, N3AT0, N3CHR, W3VF. **W3LPL** & **K3RA,** K3ZZ, KA1GD, K0D9, KF3P, K13Y, N3GB, N8II, N03A, NW5E, W3EKT, W8AMAZ, W8E3KL, W8F3SF, W84AXM. **YB2Y:** YB2HM, YB2YJ, YC2FHW, YC2HAP, YC2HRY, YC2HTD, YC2JXN, YD2HAX, YD2IHB. **YU1AST:** Trajko, Milija, Petar, Milovan, Strahinja

WORLD TOP QRP

All Band, 5 W Input

1. W2TZ	994,889	6. F1BEG	595,680
2. G4BUE	928,440	7. K1CGJ	585,365
3. YO3OH	848,046	8. 7J6CAM	574,938
4. K7SS	693,034	9. UB5PAG	564,335
5. YU2TY	641,950	10. SM0DJZ	515,478

Team Contesting

- Southern California Contest Club,** 30,736,256: D44BC (N6TJ), TU4B (N6AA), SU1RR (N6ZZ), HC8U (WA6OTU), 9Y4H (K6NA).
- Chiltern DX Club,** 9,749,102: G3FXB, G3XTT, G3TXF, G4BUO, XE1RYQ (G3YDV).
- YUGO Team,** 9,480,788: YT3AA, YU3BO, YU3EA, YU3OH, N6RO (K3EST).

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

CW RESULTS SINGLE OPERATOR NORTH AMERICA

United States

K1TO	A	5,192,840	3346	129	395
K1CC		4,694,664	2985	141	392
W1KM		4,524,637	2884	141	392
N6BV1		3,988,500	2732	128	372
K1XA		3,208,127	2366	119	344
W1PH		2,608,848	1833	130	356
K2SX1		2,555,808	1858	133	341
W1WA		2,013,254	1415	127	365
W1MK		1,904,816	1707	101	275
W1FJ		1,686,672	1359	113	311
N4XR1		1,337,361	1013	125	336
K1TN		1,253,530	1054	111	300
WA3ECT/1		882,750	1070	74	201

W1AX	661,416	621	105	267	W1RR	14	716,550	1622	35	115	
K2IM	474,320	670	61	184	W1YN		341,187	789	37	110	
N4DW/1	471,062	516	93	224	N1AC		112,151	352	25	80	
AA22/1	413,416	575	77	171	NF1J		2,820	30	14	22	
W1XN	406,770	516	79	194	K1NA	7	422,272	1115	34	94	
K8UR/1	326,156	424	80	188	W1GH		111,578	406	23	71	
NU1E	263,016	387	67	167	K3FN	11	85,955	255	30	87	
AA1M	187,408	318	69	139	W1FV	3.5	175,145	542	29	86	
N1DC	179,655	314	60	143	N2NT	A	4,682,752	2966	146	392	
WE6G/1	172,746	327	60	129	N2LT		4,205,460	2795	135	375	
N01K	126,445	213	77	132	N2BA		3,173,121	2223	133	356	
W1CNU	122,496	283	38	90	KU2C		2,676,712	2-59	111	313	
W1PL	100,419	196	59	120	K2KIR		2,207,802	1672	131	323	
W1UN	85,374	184	56	105	W2HPF		1,884,396	1537	117	304	
K1CLN	79,350	167	50	112	W2PVA		1,609,644	1473	109	253	
W1FM	54,737	160	42	85	KA2HYA		1,568,547	1233	113	326	
W1BYH	42,204	241	79	175	K2PWS		1,481,328	1345	105	276	
K1SA	21,450	97	21	54	N2WPK		780,804	739	104	235	
KA1MI	16,563	81	17	52	WF2W		718,069	788	84	235	
W1BR	7,239	48	24	33	KF20		612,540	650	96	236	
K1BW	28	415,152	984	35	109	KF20	593,325	724	81	212	
KA1XN		113,000	309	33	92	NW2J		53,072	606	94	214
K01V		106,862	310	29	90	K2FL		529,054	677	72	202
KM1X	21	434,160	1031	36	108	N2MR		518,949	561	100	227
K1RM		247,832	800	38	75	K2JLA					

W2ASQ	450,962	608	85	197	K2MFY	214,038	530	35	106	
NQ20	486,540	558	95	211	W2HG	189,888	507	34	95	
K2XA	448,548	540	92	201	KB2HEE	2,007	43	11	18	
KN20	431,703	557	77	194	NB2P	21	490,390	1143	37	106
W2MT	415,152	514	78	201	N2DTW	245,700	635	36	94	
K62XZ	409,998	517	79	202	W2FXA	242,570	639	34	93	
KW2J	311,555	419	61	182	WB2CJL	76,755	253	32	73	
NA2M	302,978	389	88	183	K2EK	14	903,200	1902	38	122
W2KHQ	286,571	426	71	160	W2DX	35,802	162	24	57	
KD2YP	278,480	404	66	170	WJ2L	27,170	145	17	48	
KT2D	276,860	385	70	184	K2DPOY	22,951	152	17	42	
N2DU	264,393	366	82	179	K2ZJ	7	321,408	886	32	92
WB2ABD	212,266	351	60	151	K2RWR	71,868	235	26	80	
W2TF	207,828	366	55	152	W2XL	21,560	130	16	40	
N10C/2	197,694	417	38	124	W2KKZ	14,337	87	17	42	
KD2YG	193,404	238	77	207	K3TUP	A	5,564,656	3212	<	

Zone Leaders Single Operator

Zone	Call	Score	Zone	Call	Score
1	KL7RA	2,293,792	21	HZ1HZ	1,987,968
2	VE2ZP	807,234	22	AT0T	401,750
3	K5MM/7	2,898,266	23	UA0YO	265,837
4	VE6OU/3	3,148,977	24	VS6BG	2,961,739
5	K3TUP	5,564,656	25	JA5DOH	3,220,154
6	XE1RYQ	2,045,868	26	No entry	
7	TI100D	139,896	27	KE9A/DU3	2,788,612
8	8P9HT	6,571,184	28	9M6NA	3,307,764
9	P40GD	7,860,894	29	VK6LW	1,959,694
10	OA4ZV	1,167,312	30	VK2DXI	2,376,880
11	ZP0Y	1,692,429	31	KN0E/KH3	4,705,938
12	CE3DNP	916,020	32	ZK1T	355,716
13	CW8B	1,520,001	33	CN8TB	1,575,750
14	ZB2X	5,439,250	34	SU1RR	5,218,467
15	OH0MM	5,413,760	35	D44BC	7,025,553
16	UB4MM	2,968,140	36	9Q5DX	2,840,992
17	UA9SA	4,003,832	37	5H3TW	1,152,528
18	RZ9UA	2,302,790	38	ZS6BCR	1,080,759
19	UW0LT	4,131,000	39	No entry	
20	4Z8DX	1,156,148	40	JW9XG	1,000,362

N3CGK	10,120	63	18	37	N4IJ	209,076	550	32	99	W6UE	459,378	569	91	191
N3GK	3,157	32	17	24	AA4V	197,640	586	29	91					
K3UA	453,065	1004	36	119	N4UA	168,187	539	26	83	K6DR	357,544	515	82	157
W8FJ/3	393,965	922	35	110	WA4JTI	163,248	491	30	84	K6EID	329,794	422	94	175
KJ3L	279,030	724	33	98	N5BFM/4	162,890	432	33	97	NGAN	307,816	492	79	139
WA3EEE	67,415	243	25	72	W4HF	104,496	334	30	82	N6IP	262,104	338	90	178
WB3BRF	48,209	235	23	48	N4BHD					K6YK	255,944	417	74	140
W3GN	5,880	50	6	26		53,618	238	20	63	K65AO	198,625	324	88	139
N3EC	26,760	106	29	61	ND4Y	36,992	201	18	46	K6H1H	195,700	362	64	126
W3GG	332,904	800	32	100	KC4CSD	26,026	123	18	59	W6NKR	190,968	298	75	144
					W4JCK	18,544	110	14	47	K63WB	125,430	238	68	117
					W4KMS	5,616	50	9	30	W6WB	116,620	205	66	130
N4AR	3,416,300	2159	146	392	K64W	26,320	129	22	58	W6W1	113,225	230	62	113
K4PDL	3,376,892	2386	134	348	K4TEA	13,068	77	16	50	W6W6	110,334	275	56	86
W4RX	3,139,272	2272	134	338	AB4RU	3,952	42	11	27	W6GUF	94,365	243	52	83
N6AR/4	3,087,492	1885	159	404	ND4J	1,740	39	12	18	W6GCTA	92,246	214	48	106
W24F	3,076,844	2100	136	362						N6NF	79,344	151	54	90
W4G	2,589,498	1697	144	382	N5AU	4,395,825	2840	148	377	N6NTB	75,509	168	57	104
W3VT/4	2,321,984	1570	140	371						N6FV	63,556	230	35	74
K4LTA	1,511,510	1384	108	277	N5RZ	4,044,612	2423	153	419	AG1H/6	63,150	142	48	102
K4GKD	1,406,946	1073	126	328	A05Q	2,384,348	1820	134	324	N6OU	62,328	154	60	87
W60KX/4	609,587	601	110	257	N5AW	1,549,978	1009	167	371	W6X6M	49,580	129	47	87
N8LM/4	543,390	617	85	222	N5AG	1,432,242	1024	133	353	W6TKT	48,941	137	42	67
AA4UJ	532,858	589	97	217	N5AM	964,590	850	122	273	K16YB	44,649	128	48	75
K4PB	505,736	573	91	217	N5MA	879,186	837	106	257	W6CN	29,639	96	38	69
N4DW	471,062	516	93	224	W5UDA	604,241	638	106	231	N6ADK	2,178	24	15	18
KK4SM	457,132	536	88	210	N5RM	600,184	571	114	263	W6YA	454,358	982	38	119
AA4BA	438,703	501	94	213	W5PWG	448,020	472	110	232	W6NV	427,481	980	37	114
W4F0T	374,640	472	91	189	W5CD	428,366	511	92	201	W6NU	405,246	972	35	112
W50G/4	345,705	426	84	201	N5HB	380,525	848	38	117	A16V	368,010	923	35	100
K4FPF	338,247	434	75	158	W5VX	233,289	397	64	143	N6MU	200,514	498	33	105
AA4XU	330,264	589	56	142	W5SDT	167,066	271	59	147	K6PJY	162,866	463	33	88
W1UA/4	281,775	389	83	172	W5SSG	157,795	269	64	145	KD9EB	159,390	400	36	102
W4DXI	239,038	390	64	150	W5NBI	145,728	280	56	128	W6BIP	123,060	303	34	106
W4WQO	236,400	418	69	131	W5RZ	134,460	266	62	118	A16Z	92,512	286	31	81
ND4I	233,478	373	71	147	K3L/5	109,492	304	41	83	W6VU	81,634	285	28	70
K6ETM/4	172,078	317	66	128	K5DB	102,340	247	44	96	W6RCL	47,040	204	23	57
N4UH	170,520	292	58	145	K5IA	76,049	227	35	78	W60VO	35,850	90	26	49
KA2DIV/4	133,250	189	84	166	W5AGK	56,007	160	46	81	N6RO	677,292	1509	37	117
K4E2	119,051	272	46	103	W5EJ	51,051	157	40	79					
AB4O	116,529	201	76	141	W5K5	48,125	141	50	75	K4TKM/6	204,255	521	37	98
AA4KD	114,879	268	43	106	W5GSO	47,401	150	42	65	W6FGV	145,452	506	30	72
W4YN	85,008	201	55	98	N5KEA	7,475	41	27	38	NJ6P	141,934	464	32	74
N4KE	71,050	140	68	107	K6SVK	5,658	53	17	24	K6OMB	86,520	286	33	70
K2UFT/4	60,984	136	65	103	K5RX	406,464	950	34	112	N6RJ	185,843	456	35	104
W44C1C	39,975	110	47	76	W5JZL	239,022	671	33	93	N6RJ	260,145	678	37	98
NY1H/4	37,072	114	35	77	K6SH	114,894	340	33	84	W6PU	186,381	544	33	84
K8EJ/4	36,708	166	26	50	N5DX	81,423	267	30	79	K5KT/6	138,650	404	33	85
KM4KJ	36,400	131	34	66	W5AT	58,432	240	25	63	K6DY	63,220	187	31	85
N4Y	33,677	101	42	77	W5CRG	45,864	179	28	63	N2KK/6	53,898	236	27	51
W4JVN	20,355	101	20	49	W5BE	8,113	50	25	36	W6PM	5,808	50	15	29
ND4K	15,756	73	31	47	W5SUDX	264,795	707	36	91	M5MM/7	2,898,266	2055	143	339
AA2K/4	15,652	61	35	56	K5BZU	103,887	303	34	85	N5TL	2,715,012	2272	124	290
N4MM	12,768	77	20	36	K5FUV	84,240	279	30	74	A17B	2,509,713	2035	132	297
K4KUZ	10,320	55	34	46	N5CR	170,135	1545	37	118	N7TT	1,344,915	1119	132	297
K4XS	604,035	1320	37	118	W5FO	477,636	1050	38	121	KR7G	1,025,817	943	121	256
N4ZZ	541,926	1209	36	118	AA5WH	3,468	37	13	21	KY7M	1,012,926	908	126	275
W4XJ	509,048	1120	36	111	W5FE	161,650	468	31	91	WE7B	915,430	1057	104	206
K1P/4	434,973	1031	36	111	W5SK	155,208	458	30	86	K7LR	802,219	913	99	214
N4MO	280,446	742	32	67	K5UR	14,718	127	21	45	K7WK	742,917	717	111	246
KD1U/4	78,678	288	26	98	W6TMD	1,497,489	1207	129	298	K5T7	692,175	894	84	191
W4GW	70,808	280	31	75	W6JTI	1,106,640	919	129	295	K7AEB	675,414	750	96	218
W4E	65,326	250	26	63	W6AET	981,240	883	127	243	K6X0/7	622,776	651	108	229
KX4R	43,425	194	21	54	W6AUE	853,128	833	120	249	K7RA	553,386	641	98	200
W4RKV	34,839	190	22	41	W6GK	849,090	902	110	220	N7HUS	440,891	564	89	180
AA4S	14,800	104	20	30	W6FSQ	787,035	766	109	246	W7IIT	409,475	506	92	183
KJ4VU	14,732	89	19	39	W6ISQ	763,196	681	125	263	N7TE	408,170	579	72	173
N4VZ	456,489	977	38	121	W6BJS	573,927	612	115	224	W7ZMD	380,613	453	90	199
N3JT/4	275,493	724	34	97	W6BSY	537,420	584	91	227	W7UJV	309,696	574	68	124
KJ4VH	60,134	196	32	75	W6JUX	532,656	571	110	214	W7KJ	295,550	402	91	166
K4BAM	17,655	110	18	37	W6MYY	485,760	620	93	183	K7XX	285,430	439	80	150
WB4UBD	11,742	70	19	38						K7WA	265,591	323	89	200
W4NTI	129,954	361	26	95										
W4Z	237,998	647	32	95										

**Single Operator Assisted
World—All Band**

1. K1DG	5,048,802	6. K1VR	3,000,578
2. K3WW	4,427,698	7. W2REH	2,696,110
3. KE3Q	3,652,453	8. K8MR	2,560,404
4. N3AD	3,327,488	9. KR2J	2,529,072
5. N4KG	3,091,600	10. NN3Q	1,792,973

LZ1OZ	36,537	441	15	42
LZ1KZM	5,152	163	4	28
LZ2CT	4,536	120	6	30

Crete

SV9ADH	668,116	1290	83	215
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Czechoslovakia

OK2SSS	2,477,856	2203	127	360
OK3DX	2,156,000	1770	137	402
OK2BHV	1,890,552	1939	113	331
OK2RU	751,125	1028	100	275
OK2PDT	690,504	554	86	221
OK3IAG	585,330	845	94	264
OK3CND	515,230	764	90	245
OK2ABU	508,053	878	79	194
OK2PCF	500,682	916	73	200
OK1VD	493,592	720	95	221
OK3PO	398,332	660	73	179
OK3YCA	380,688	641	80	184
OK1MNV	354,876	674	68	163
OK3FON	342,240	513	83	193
OK1DXW	317,955	709	65	170
OK1MKU	303,548	548	77	182
OK3CEL	297,472	707	56	168
OK2EC	286,754	495	88	181
OK1KJA	282,892	604	57	140

OK3CGN	36,330	258	17	53
OK1MSP	30,096	171	17	55
OK1PFF	22,880	172	22	43
OK1AES	6,228	155	8	28
OK1FAC	21,050	371	10	40
OK1MAW	20,184	285	9	49
OK2PLH	19,920	317	11	37
OK3ZMC	18,286	404	9	32
OK2BWS	12,915	273	9	36
OK3CWS	11,176	244	8	36
OK2BRH	11,088	145	11	33
OK2PFX	10,962	131	10	44
OK2BGD/P	9,204	170	9	38
OK1FOG	576	101	5	15
OK2BFG	252	18	4	10
OK10DW	34,320	447	12	55
OK1DRU	10,580	229	7	39
OK1DWJ	10,476	180	8	46
OK1JDX	7,744	176	9	34
OK2BTG	5,328	145	6	30
OK2BQU	2,242	68	6	27
OK9CUD	1,984	61	5	27
OK2BQU	1,836	66	6	26
OK1DOT	1,536	34	7	25
OK1BTJ	1,058	50	4	19
OK3BUB	989	46	4	19
OK2BTK	560	36	4	12

Denmark

OZ1LO	3,269,467	3043	128	339
OZ3BDT	438,780	711	80	204
OZ9BX	96,111	282	61	120
OZ4ACK	49,280	258	39	71
OZ1FAO	42,723	184	49	92
OZ8AE	171,396	487	36	102
OZ1KPB	34,832	260	17	39
OZ1ASP	29,890	208	19	39
OZ1AXG	3,624	55	11	13
OZ8E	2,923	31	10	27
OZ5XT	684	19	7	11
OZ7HT	371,070	1433	30	84
OZ4UN	102,102	490	25	77
OZ7YL	55,728	355	21	51
OZ7GF	1,848	38	10	14
OZ5MAY	408	24	4	13
OZ6PI	6,665	73	11	32
OZ1HZI	54,978	658	13	53
OZ1IZB	288	18	2	14

England

G3FXB	3,783,282	2916	126	367
G3XTT	2,843,998	2451	121	345
G3ESF	509,138	899	71	21F
G4ZFE	440,634	1016	65	141
G4BKT	418,405	935	56	145
G3GDS	325,404	525	67	195
G4ZME	73,482	319	31	86
G6BK	45,500	201	32	68
G7KSTU	19,201	97	34	57
G3TFF	542,572	1334	37	121
G4BUD	533,390	1406	37	106
G4CNY	512,584	1481	36	100
G3HCT	490,050	1433	35	100
G3NKS	214,410	854	30	75
G3KXZ	174,944	503	36	106
G4UZN	123,585	480	29	76
G4OKN	10,438	297	15	42
G3IGW	169,074	847	24	77
G4ARI	24,786	380	11	40

Faroe Islands

OY1CT	544,887	1236	69	210
OY3QN	21,507,111	1927	33	88
OY9JD	47,040	590	13	57

Federal Rep. of Germany

DJ5JH	941,514	955	112	294
DL1JF	833,239	1031	99	260
DF5BM	709,650	895	88	254
DL3LU	658,000	773	115	285
DL3YBM	547,362	876	81	201
DL8KJ	507,517	707	85	232
DJ6QT	502,268	769	84	254
DF4PD	469,800	681	97	227
DL7CF	440,147	645	81	208
DL5JQ	434,700	798	70	200
DL2SCQ	422,564	615	82	216
DK8KC	389,789	675	76	183
DK7ZT	321,818	645	73	181
DJ7IK	311,472	595	72	180

DJ1YH	302,005	529	75	214
DF9FM	297,750	570	76	174
DL8SCG	227,183	504	64	145
DJ1DB	213,180	537	59	145
DK3LM	196,390	431	56	149
DJ5AV	186,264	456	53	146
DL9VDO	184,280	324	60	211
DF1IK/P	169,400	361	58	142
DL9PU	158,500	457	51	74
FJ1JDX	146,605	260	84	185
DL3QL	144,072	407	50	124
DL5XAS	128,205	337	53	112
DL1ZQ	121,636	375	52	136
DF2LU	106,596	396	46	95
DL5ZBA	104,763	396	41	100
DL3YCI	98,394	328	40	98
DL2GGB	83,414	217	56	123
DL8ZAJ	64,713	212	51	108
DF3CN	54,229	240	41	86
DJ2UJ	54,035	234	35	79
DL6ZBN	37,469	192	33	56
DF4LE	35,446	192	29	45
DL3RDM	21,520	132	24	68
DL0MFH	17,056	80	24	58
DJ3GE	15,752	77	37	51
DL4NBV	10,400	92	21	16
DJ4PT	3,416	50	12	16
DL4UL	113,461	460	27	56
DK7QB	64,990	395	23	44
DL4YAQ	53,440	268	23	57
DF7TU	36,328	201	22	54
DL0IU	244,085	1273	37	104
DJ8FR	346,602	1214	34	88
DL6LAM	69,792	528	22	59
DJ4WS	54,842	475	27	72
DJ5GG	75,754	324	28	70
DL4OBR	68,400	331	28	67
DL1TH	33,099	242	19	40
DF00X	555,560	1848	36	99
DL1EFW	20,748	162	15	42
DJ8IF	79,016	500	19	64
DJ9LJ	5,635	107	7	42

France

F66EE	1,609,813	1529	122	317
F1JCB	862,527	1477	86	235
F6EQV	301,252	708	48	155
FD1NKX	239,140	500	64	156
F5IG	202,002	434	77	180
FD1MWW	181,010	801	29	86
FJ1JDX	130,240	541	32	76
FD1MOY	127,260	405	50	130
F6HSL	121,500	507	39	111
F9QE	79,242	261	43	93
F8TM	74,088	246	48	104
FD1JUL	61,815	151	45	150
F9BB	61,617	212	37	104
F3AT	48,144	255	30	72
F6DEO	34,848	180	35	53
F2DE	27,864	158	28	53
F6CXJ	9,610	74	24	38
F3BC	5,640	94	12	8
FD1NLX	3,066	61	15	27
F6AUS	531,536	1521	36	103
F6BBJ	403,254	1215	36	93
TMST	283,528	1078	33	89

Finland

OH4NRC	3,226,329	3043	112	305
OH6YF	2,663,952	2559	120	336
OH2PM	2,397,864	2071	135	361
OH7MA	2,348,160	1952	131	349
OH2AQ	1,965,672	2134	120	294
OH1BV	1,212,077	1423	95	254
OH8MCT	1,037,520	1204	91	239
OH1MCR	418,176	571	77	220
OH3NV	294,567	465	82	191
OH6NFV	244,192	563	69	139
OH2BC	241,875	296	115	274
OH6CD	204,428	542	56	140
OH4NVX	153,960	560	35	85
OH4NS	92,314	228	72	130
OH7OR	84,402	237	53	109
OH3WS	82,593	227	47	142
OH2WV	54,264	133	61	91
OH2VZ	40,330	138	52	57
OH2RL	28,956	106	55	59
OH9SV	25,296	110	34	59
OH8LC	21,204	141	29	33
OH1EB	11,092	69	26	33
OH4MCV	8,775	79	17	22
OH6NIO	421,960	1335	34	103
OH2BAH	288,260	859	36	104
OH6RC	131,274	390	37	106
OH6MFM	85,293	534	26	55
OH2MFO	84,487	339	30	67
OH5SS	84,096	376	24	72
OH5AD	64,200	240	30	77
OH2YL	21,886	133	22	40
OH3WD	15,200	82	24	56
OH7NW	13,140	157	14	31
OH6UP	2,604	45	9	22
OH6MCW	775,620	2208	37	102
OH6AC	693,438	1935	36	105
OH5BM	632,54			

USWF	28	441,350	1297	33	97	AH6						Trinidad & Tobago						JA6YJS	1,208,344	1697	89	173	Finland						
UB7VA	"	329,892	945	36	112	/W1WEF	28	646,805	1985	32	77	9Y4H	A	5,710,159	4031	129	350	JA6YCL	1,199,164	1228	122	227	OHTNTM	449,319	850	76	205		
RB4JF	"	265,727	761	30	89	KS7P/KHG	"	20,536	104	26	42	9Y4VU	21	1,058,772	2486	35	108	JA6YBR	740,375	1117	79	147	O16AX	44,238	314	29	72		
RB5HM	"	68,850	685	27	73	NH6DV	"	11,726	107	17	24							JA7YAA	4,244,868	2713	156	393							
UB4ET	"	61,050	363	24	51	AH6JF	21	113,816	475	28	54							JA8ZRY	357,028	766	63	101							
UB5ITU	"	59,360	778	37	98																								
UB5NU	"	53,506	277	33	80																								
RB5UO	"	43,859	274	21	40																								
UB4MPY	"	22,110	247	20	47																								
UB5IOV	"	20,007	156	20	47																								
RB5RF	"	18,492	106	23	44																								
UB4UFR	"	17,064	152	24	48																								
RB5VW	"	7,296	78	13	25																								
UT5HP	"	6,955	54	24	41																								
UB5IHO	"	3,724	66	8	20																								
UT4UJ	21	426,283	1362	37	106																								
UB5IUG	"	389,664	1300	36	96																								
RB5VT	"	171,360	846	29	73																								
UB5LVCV	"	146,366	584	31	88																								
UB4ME	"	113,005	541	26	71																								
UB5OBC	"	72,865	345	29	66																								
RB5CC	"	59,808	681	27	62																								
UB5SDW	"	49,468	272	24	59																								
UB4LEP	"	47,090	275	24	61																								
UB5MSW	"	42,822	289	23	55																								
UB3JM	"	41,193	191	23	49																								
UB5OFD	"	28,988	170	24	34																								
UB5SDP	"	23,364	190	19	40																								
UB5INT	"	22,950	119	28	57																								
UB5KV	"	14,044	113	21	36																								
UB4IUK	"	12,144	99	18	30																								
RB5JS	"	11,172	92	18	31																								
UB5IAE	"	7,380	114	13	23																								
UB5AJP	"	6,192	53	9	39																								
UB5IUF	"	1,287	37	5	8																								
UY5ZM	14	258,014	930	35	107																								
RB5OW	"	189,060	866	29	86																								
UB5LST	"	153,882	805	26	77																								
UB5LSL	"	136,752	597	28	83																								
RB5VF	"	106,923	600	26	61																								
UB5WBX	"	102,255	655	26	59																								
UB5NBW	"	62,744	288	25	71																								
RB5MU	"	55,300	219	32	68																								
UB5XCU	"	43,173	242	26	55																								
RB5XQ	"	39,300	232	27	48																								
UB5IPH	"	31,755	178	21	52																								
UB5IPN	"	30,240	170	27	36																								
UB5YK	"	21,855	187	17	54																								
UB5ZFP	"	19,890	255	30	43																								
UY5WE	"	6,946	107	11	12																								
UB5SBR	"	1,633	55	7	16																								
UB2YA	7	188,564	805	29	89																								
UT5BP	"	136,018	508	22	72																								
UB4FWC	"	114,654	774	22	73																								
RB5FH	"	94,300	628	23	69																								
UB5IAN	"	82,270	494	22	73																								
UB5VCM	"	73,132	380	26	68																								
RB5JX	"	27,885	200	21	44																								
UT5UDI	"	16,269	257	16	35																								
UB5SFB	"	6,800	82	12	28																								
UB5UGR	3.5	220,779	1296	27	84																								
RB5NC	"	61,146	511	18	61																								
UB4JFV	"	42,525	467	19	56																								
UB5CDX	"	36,540	424	14	56																								
UB5CEH	"	13,160	272	8	39																								
UB5XBO	"	5,611	193	5	26																								
UB5FBN	"	4,488	120	7	27																								
UT5UNF	"	1,092	50	5	21																								
RB5HM	1.8	6,501	143	6	35																								
UV9CAP																													
/UB1L	"	5,828	162	7	24																								
UB5EPV	"	4,386	128	6	27																								
UB5CBH	"	3,625	143	6	23																								
UB5FBG	"	1,650	68	6	19																								
UB5EOG	"	30	8	2	4																								



Thanks to TL8CM (DL8CM), TL appeared in lots of logs. Shown here are TL8CM, TL8WD, and their wives.



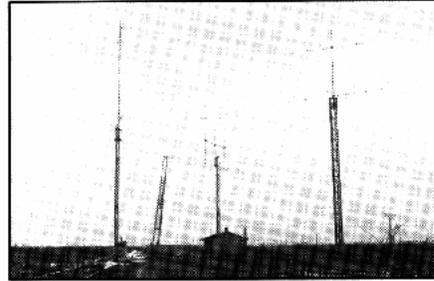
Looks like Jaime, CE0ZIG, has his crew lined up for a Multi-Single effort this year. Photo by CE0ZAA, Jaime's wife.



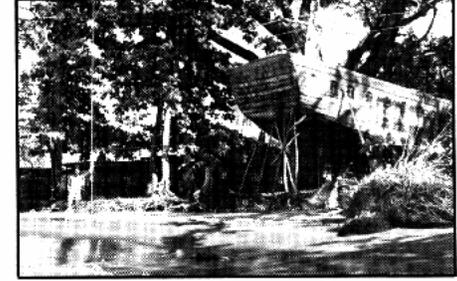
Jorma, ZB2X(OH2KI), assembling his antenna just before setting a new European all-band CW record.



Andy, K2LE, Jack, W2GGE, and Larry, W2AX, made a big noise from VP5Q.



Here is part of the antenna farm (located on a real farm) of OL8A.



Ron, J79DX (AA5DX), uses a real boat to anchor his fine 28 MHz effort.

UZ3DWX	41,895	165	25	80	Fernando de Noronha	Federal Rep. of Germany	LA9VDA	204,918	456	74	172	Y02AQB	5,880	64	18	24							
UZ3QYA	9,114	139	16	33	ZWBF	4,375,301	3182	134	335	DF2RG	6,761,232	5108	157	491	UB3MN	5,673	81	8	23				
UZ4SXF	6,020	98	17	26	Latvia	4U-Geneva	UT4UB	175,959	501	48	123	YU4XA	3,780	50	12	16							
UZ2FWA	3,645,474	3161	131	380	NR5M	Luxembourg	U8SAU	174,346	368	59	120	JH5NTL	1,180	21	7	13							
RQ7W	8,198,411	5191	170	519	NR5M	LX7A	UA9MEK	174,000	383	54	120	JR70EF	1,020	20	9	11							
LY2WW	5,132,160	3591	150	490	United States	4UBITU	17,158,368	12372	167	569	Y21XC	171,039	444	56	163	N9AW	21	103,875	287	35	90		
UP1BZG	5,104,000	3380	152	486	KY1H	The Netherlands	IS0LYN	158,400	361	61	137	Y23TL	150,689	411	56	153	WB4BBH	**	93,625	301	31	76	
LY1BYK	3,014,283	2303	162	507	K1ST	PA6DX	Y23TL	142,990	438	45	136	GAJFN	142,990	438	45	136	UR2CR	**	76,752	451	21	57	
LY1BZR	175,935	444	55	130	NR5M	PI4RTZ	W0KEA	125,080	365	31	87	W0KEA	125,080	365	31	87	W8IO	**	70,200	248	29	71	
LY1BWF	125,650	427	43	132	K4VX/8	SP3KQV	Y05B0	117,813	443	33	140	Y05B0	117,813	443	33	140	JABMS/1	**	62,960	277	25	55	
LY1BXF	122,672	510	37	127	K5NA/2	RB8M	Q21JV	116,460	413	50	130	Q21JV	116,460	413	50	130	KJ4VH	**	60,134	196	32	75	
Ukraine	UB4WZA	2,279,448	2148	127	361	W0AIH/9	4N9N	HA7YS	110,216	363	43	141	HA7YS	110,216	363	43	141	UQ2GFU	**	59,750	359	24	56
UB4QWW	2,229,843	2016	133	406	NR6D	YU1AST	KB0UI	81,900	240	32	85	KB0UI	81,900	240	32	85	SP4FGG	**	57,196	352	22	57	
UB4SWG	1,574,664	1918	112	300	K07N	Yugoslavia	KA1CFZ	76,440	190	46	101	KA1CFZ	76,440	190	46	101	G3VMY	**	54,242	362	20	54	
UB4IZA	1,182,320	1578	110	298	K020	East Malaysia	DK4CU	69,960	256	38	94	DK4CU	69,960	256	38	94	N6UU	**	35,697	171	22	51	
UB4LWY	503,573	799	92	209	K6JA	Indonesia	W0NGB	69,552	199	41	85	W0NGB	69,552	199	41	85	UB5PCS	**	32,111	288	17	36	
RB4IYJ	457,728	969	69	187	W3GM	OCEANIA	UA9XGB	68,284	283	24	62	UA9XGB	68,284	283	24	62	JABRJE	**	30,261	140	24	53	
UB4MWU	392,235	847	66	171	K03F	East Malaysia	N0CNV	63,308	199	44	75	N0CNV	63,308	199	44	75	U9SG	**	28,652	364	17	35	
RB4FXN	219,232	532	64	157	N2MM	Indonesia	PAGBPUR	60,720	276	35	53	PAGBPUR	60,720	276	35	53	JF8LPB	**	28,288	162	23	41	
RB4IWE	180,670	537	56	147	K6ZM	Yugoslavia	E11GT	59,470	358	25	70	E11GT	59,470	358	25	70	I4KRF	**	27,269	407	18	49	
UB4WYA	160,043	569	45	124	K2TO	OCEANIA	PAG6ADT	54,236	273	33	58	PAG6ADT	54,236	273	33	58	U02RE	**	20,286	198	16	33	
UB4TWL	60,898	253	40	78	ALASKA	East Malaysia	Y26JD	47,728	245	24	52	Y26JD	47,728	245	24	52	G3DOP	**	13,083	169	13	36	
UB4WZB	27,734	143	32	66	Canada	Indonesia	KB1YF	38,236	176	28	51	KB1YF	38,236	176	28	51	L8BWG	**	7,406	109	14	33	
UB4MZK	24,510	169	28	58	Saint Lucia	OCEANIA	KI0G	30,260	120	28	61	KI0G	30,260	120	28	61	W3CEI	**	6,290	63	13	24	
OCEANIA	VK3VT	645,840	1067	75	119	AFRICA	YU1AST	NQ2W	30,260	120	28	61	NQ2W	30,260	120	28	61	JR7HOD	**	1,394	33	9	8
Australia	East Kiribati	1,662,980	2558	89	131	MADERIA ISLANDS	YU1AST	DJ50K	21,658	124	30	68	DJ50K	21,658	124	30	68	Y49ZL	**	50	5	5	5
Marshall Islands	KX60I	3,016,824	2745	133	240	ASIA	YU1AST	W6YVK/7	17,204	93	32	36	W6YVK/7	17,204	93	32	36	Y3TFM	14	79,928	446	26	71
New Zealand	ZM2A	20,735	121	32	33	Japan	YU1AST	VE2BLX	15,470	96	26	39	VE2BLX	15,470	96	26	39	UL7ABA	**	60,514	267	27	51
Palau	KC6AA	5,002,664	3917	136	300	Japan	YU1AST	OK3TUM	15,343	210	15	42	OK3TUM	15,343	210	15	42	OK1AAW	**	48,575	358	19	48
The Philippines	DX1CW	1,075,089	1792	68	135	Japan	YU1AST	OK2PBG	14,652	112	22	44	OK2PBG	14,652	112	22	44	UB4AR	**	46,500	305	23	52
SOUTH AMERICA	CE1LDS	2,160,435	2060	1108	255	Japan	YU1AST	VE2HR	13,624	117	32	20	VE2HR	13,624	117	32	20	W8OZA/6	**	25,232	118	24	62
Chile	CE3	366,670	678	74	111	Japan	YU1AST	UM8MDX	10,400	53	35	40	UM8MDX	10,400	53	35	40	G3LHJ	**	18,849	133	16	45
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	JK2VHU	8,520	60	29	31	JK2VHU	8,520	60	29	31	NE1E	**	11,526	80	12	39	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	PA0TA	4,410	69	16	33	PA0TA	4,410	69	16	33	Y06ADW	**	9,515	101	15	40	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	WD9IWP	2,590	28	15	22	WD9IWP	2,590	28	15	22	NX80	**	7,400	128	20	40	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	WSU	2,508	36	15	18	WSU	2,508	36	15	18	Y09AWV	**	3,240	29	21	24	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	Y24XH	1,820	34	11	15	Y24XH	1,820	34	11	15	Y24TG	**	2,020	37	9	11	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	KR2Q	1,740	22	12	17	KR2Q	1,740	22	12	17	OK2B0X	7	31,430	234	17	53	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	OK1DZD	221	8	7	6	OK1DZD	221	8	7	6	UQ2GMB	**	28,248	226	18	46	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	Y04CXD	210	15	5	10	Y04CXD	210	15	5	10	WB2ENW	**	17,640	109	13	43	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	WSVGX	168,475	504	30	85	WSVGX	168,475	504	30	85	Y05CUU	**	11,564	121	11	38	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	JR3RW	159,565	580	27	70	JR3RW	159,565	580	27	70	JH1IMX	**	9,612	94	16	20	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	UL7ACI	151,902	544	28	69	UL7ACI	151,902	544	28	69	JA6GCE	**	8,015	90	15	20	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	KGSU	132,595	395	31	84	KGSU	132,595	395	31	84	OK2BXR	3.5	10,752	248	6	36	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	JE1WBA	95,760	353	27	68	JE1WBA	95,760	353	27	68	OK1FEL	**	3,745	107	5	30	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	UQ2GTF	81,473	465	29	84	UQ2GTF	81,473	465	29	84	OK1DAM	**	3,472	112	4	27	
OH1AA	10,677,640	7628	161	471	Japan	YU1AST	RB5FO	68,880	337	28	62	RB5FO	6										

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United States			
K10G	A 5,048,802	2904	155 438
KE3Q/1	" 3,852,453	2532	137 360
K1VR	" 3,000,578	1872	153 400
AK1A	" 1,778,917	1314	127 342
K8LT/1	" 1,403,820	1237	104 292
N01I	" 1,158,924	918	123 319
K8PO/1	" 1,014,022	924	107 279
KT10	" 815,326	865	96 230
NK1I	" 520,866	534	105 236
W1B1H	" 375,720	632	57 145
A1CE/1	" 368,445	407	98 221
N2A1F/1	" 275,456	358	75 193
AG1C	" 241,344	301	91 197
N1AU	" 157,090	238	75 154
K1ZZJ	" 153,278	310	51 122
WA8SWM/1	" 144,281	247	70 153
KCBPE/1	" 114,304	222	62 126
K1BG	" 34,892	103	53 69
W2REH	A 2,696,110	1747	146 384
KR4J	" 2,529,072	1731	131 373
W1GD/2	" 1,332,087	867	107 306
W2PJ	" 996,996	620	156 416
W2VJN	" 704,990	649	114 263
WA2MKM	" 597,766	785	81 196
KD2RE	" 401,489	449	96 227
W2GMA	" 204,800	289	84 172
K2OWE	" 199,120	320	79 183
K3WW	A 4,427,698	2422	157 486
N3AD	" 3,327,488	2146	136 400
NN3Q	" 1,792,973	1454	122 305
WB3JRU	" 1,743,007	1212	140 359
AA3B	" 1,493,580	1179	118 320
N3II	" 1,201,750	887	132 343
K300	" 1,129,598	999	110 284
K3ND	" 752,192	598	140 308
N3RR	" 698,340	621	128 284
N3NA	" 621,818	711	96 206
KX2A/3	" 567,388	628	95 237
N6CQ/3	" 544,698	511	118 275
W3VK	" 518,661	535	101 240
W3AZ	" 481,325	534	97 228
K3ZA	" 444,154	587	79 195
KW3F	" 435,404	479	94 229
NC3C	" 413,760	527	94 226
NW3Y	" 302,364	500	71 156
AJ3H	" 291,018	378	80 193
KQ3F	" 248,148	384	66 160
K3RL	" 185,420	292	83 171
N13P	" 92,400	186	82 118
W3FTG	" 57,155	178	34 81
W3MA	28 475,840	1018	37 123
N4KG	A 3,091,600	1820	158 432
K84GD	" 1,168,036	1064	110 276
K4MF	" 1,079,960	912	108 298
W3YV/4	" 1,065,130	927	127 294
WB4MAI	" 492,063	446	135 268
AA4DO	" 415,188	434	114 228
WA4CUG	" 377,600	423	107 213
K4PR	" 344,256	469	77 187
KX3Q/4	" 254,505	374	73 162
W4LVM	" 103,191	221	57 102
KQ4G	" 74,752	212	44 84
N3RC/4	" 40,051	113	40 81
N4TL	" 17,325	78	26 51
K1ZZI/4	7 466,956	1275	32 94
KW5P	A 1,110,956	1291	94 214
AA6PG	A 900,102	798	121 285
AF6S	" 676,368	655	116 250
AJ6V	" 260,496	432	74 142
WA7G/6	" 258,500	404	78 142
K6MA	" 255,088	324	103 95
K1EX	" 100,717	261	55 96
K6LRN	" 64,574	142	64 102
K6SMLH	" 34,170	93	45 88
WABLLY/6	" 29,785	90	43 72
AA4M/6	28 257,686	643	35 107
K7RIE	A 932,856	892	111 265
W7ZR	" 850,454	993	103 216
NC7K	" 776,620	677	129 283
WA7FAB	" 661,710	956	92 182
W7W-HY	" 520,515	696	82 187
N7KZN	" 378,000	530	82 168
KAT7CSE	" 216,108	391	68 139
NO7F	" 51,435	164	52 83
K7IDX	21 23,278	86	35 78
NX/K	28 104,640	345	31 78
K8MR	A 2,560,404	1791	135 354
KV8C	" 1,147,050	905	132 318
K8XC	" 628,192	763	85 208
W8BIXE	" 227,735	426	51 134
K8JH	" 41,875	120	40 85
W8CAR	" 9,576	58	22 41
K9RS	A 1,738,030	1237	137 353
K9OSH	" 168,048	282	77 139
N9AU	7 82,244	250	31 85
W9XT	28 344,586	863	34 104
W8CG	A 1,695,778	1410	114 299
NC00	" 283,230	371	83 187
WB8ZRL/0	" 224,250	273	90 209
W8SR	" 185,724	266	81 171
Japan			
JATUES	A 232,206	504	62 107
JH8GNM	" 37,856	146	52 60
JH8VO	7 585	16	7 8
JH1XUZ	28 160,062	539	32 71
Federal Rep. of Germany			
DJ2YA	A 673,455	708	120 297
DA1KM	A 54,626	215	47 96
Norway			
LA9ML	28 3,190	50	12 17

CHECKLOGS

Our thanks to the following stations who sent in check logs: AA5HR, CX6DT, DK50S, DL4CDB, DL9PU, EA1CYL, EA4KD, EA5JJ, EA5EGD/7, EA7ATE, EA7OM, EC7DEB, GI5TK, HA1UB, HA2EOA, HA5FA, FA0IR, HA2LG, HB9CSM, HK3DDO, HK6LNO, IT9ZGY, JW8XM, K9UIY, KA1DCLV, KG0A, KG6H, KL7UR, K04D, KR0U, KS7V, LA1FW, LA2KD, LA3FE, LA4KQ, LA4NE, LA4NG, LA4NJ, LA4OGA, LA4WJ, LA5MT, LA5RBA, LA5XX, LA7XE, LA8LA, LA9FFA, LA9HF, LA9HW, LA9OI, LA9UF, LY2BB, LZ1AG, LZ1LG, LZ1MC, LZ1NJ, LZ1OQ, LZ1UH, LZ1VO, LZ1WZ, LZ1ZP, LZ2DD, LZ2HK, LZ2KAD, LZ2KKK, LZ2OV, LZ2PS, N4RUM, N5MLL, N9GPF, NW4Y, OH2BXT, OH3MIG, OH3DU, OH5FA, OH5MMG, OH5PT, OH5YO, OH5YX, OH6AA, OH6NH, OK1ARN, OK1CSU, OK1DFT, OK1DMP, OK1DDW, OK1FAI, OK1JDU, OK1MHI, OK3CCN, OK3KJF, OK3KVU, OK3TDO, OK3TRJ, OL8CVU, OY7ML, OZ1CAR, OZ1CBW, OZ1EUD, OZ1JNR, OZ1JSZ, OZ1KWG, OZ1OXZ, OZ2E, OZ2JI, OZ3LF, OZ3Q, OZ5PA, OZ5UR, OZ6PI, OZ7JQ, OZ7PQ, OZ8AE, PA0LRK, PA3BFH, PA3DRZ, PY1RO, PY2NZP, PY2ORF, PY2YN, PY3CJI, PY5BVL, PY7FNE, RA1ACW, RA1AI, RA1CIU, RA1OAK, RA3ALA, RA3ATM, RA3DEQ, RA3DEU, RA3DN, RA3EF, RA3RRU, RA4CC, RA4NEW, RA4SA, RA4SAE, RA6LBP, RA9AAA, RA9FI, RA9UNR, RB4LWX, RB4MYC, RB5CA, RB5CO, RB5CW, RB5HM, RB5PE, RB5RF, RB5UX, RH6FU, RH2RU, RV4LA, RV6AF, RV9CFP, RW3DD, RW3RO, RW6AC, SK5PZ, SM0BFJ, SM0CMH, SM0CSX, SM3AVV, SM3CBR, SM4A0H, SM4ASI, SM4AWC, SM4LEB, SM4SCK, SM4SWF, SM4TU, SM5APS, SM5CVC, SM5FNL, SM5FUG, SM5IMO, SM5MLE, SM5OL, SM6AHS, SM6BWO, SM6CDN, SM6GOR, SM6ID, SM6OLL, SM7AIL, SM7CKZ, SM7CZC, SM7KWF, SP2BRN, SP2BSF, SP2ERZ, SP2EWO, SP2FAP, SP2GKO, SP2GOW, SP2GUU, SP2JXN, SP2JXN, SP2NA, SP2ZFJ, SP2ZT, SP3CDO, SP3LA, SP4EEZ, SP4ETO, SP4GDC, SP4JFR, SP5BYF, SP5DZE, SP5ILO, SP6CXH, SP6FER, SP6TMM, SP6SGC, SP9DDO, SP9DTH, SP9EM, U0AG, U2RA, U0ABB, U0AJB, U0AKBC, U0AKC, U0AQL, U0AQN, U0AUG, U0IAKT, U0IAUA, U0ICU, U0IOFU, U0IOLL, U0IOT, U0IAZAS, U0IACG, U0IAGU, U0IAGW, JA3DFV, JA3DGA, JA3DSS, JA3EAY, JA3ECCJ, JA3ECCQ, JA3EDH, JA3EHL, JA3ET, JA3IAK, JA3ICJ, JA3LDU, JA3PTW, JA3QAM, JA3UBX, JA3RB, JA3RBD, JA3RLZ, JA3SET, JA3TAM, JA3TDO, JA3TJW, JA3KBB, JA3KDF, JA3XGM, JA3ZSG, JA4CC, JA4CJP, JA4FEU, JA4HRZ, JA4NB, JA4NBH, JA4PNV, JA4UDC, JA4WFL, JA4YBV, JA4YG, JA4YU, JA6HPK, JA6HPT, JA6HNS, JA6LAX, JA6LDF, JA9AKW, JA9CDT, JA9CSY, JA9KDF, JA9MCM, JA9OS, JA9SAW, JA9SGN, JA9SK, JA9TS, JA9UY, JA9YNC, UB3JM, UB4JIF, UB4JN, UB4LI, UB4UFT, UB4WWT, UB5CEU, UB5EW, UB5FDL, UB5GHG, UB5IFG, UB5ITB, UB5JUN, UB5JX, UB5KY, UB5MEC, UB5QBC, UB5QGD, UB5QJA, UB5SFB, UB5VNF, UB5XBV, UB5ZBG, UB5ZKE, UC2AAN, UC2AT, UC2CBC, UC2CIU, UC2LB, UC2LCW, UC2DM, UC2OS, UC2WAS, UC2WU, UD6DKZ, UG6GG, UH8ED, UH8BA, UL7BW, UL7LAH, UL7TJ, UL8RWR, UO5DAL, UO5EWF, UO5DOW, UO5WU, UP2BF, UO2GII, UO2GLQ, UO2PP, UR1RXB, UR2RD, UT4UH, UT4UWL, UT5LF, UT5UDI, UT5UJO, UT5UNF, UV0BB, UV3DA, UV3DAY, UV3DFL, UV3DN, UV6AA, UV6HLC, UV9CAO, UV9GB, UW3DU, UW3PK, UW3RN, UW3Z, UW6AJ, UW6HD, UW9AO, UW9YM, UZ0XU, UZ1AXZ, UZ1CXF, UZ10WW, UZ3SWX, UZ3XWM, UZ4AZO, UZ6LWA, UZ9CXA, VE1ACK, VE7BSB, VE7UBC, VK2EKY, VK4XW, V01AW, VU2IN, W1B1H, W4RKY, W4XD, W8FJ/3, WW7M, Y21CL/A, Y21DH, Y2U, Y21XF/A, Y221Q, Y23PF, Y23RJ, Y23UE, Y23YM/A, Y24AM/A, Y24HJ, Y24SG, Y24WJ/A, Y24XD, Y25MG, Y25OF, Y26XM, Y27KO, Y32CE, Y36XN, Y37XJ, Y43RF, Y52ML, Y54ZA, Y55SC, Y56UE, Y56ZE, Y71KA, Y75YL, Y03LX, Y08COO, YU13HA, 7W1J, ZY5AKW, Z28WHL.

Addendum SSB Results: K3ND, Assisted category, Score 975,800, QSOs 730, Zones 122, Countries 354. P40V: VE7NKI, an op of P40V, was incorrectly listed as VE7KNI.