

1977 CQ World-Wide DX Contest CW Results

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

People sure like to have a good time. The 1977 CQ CW Contest attests to this fact. In spite of less than normal conditions, interest and activity were never higher. We received a total of 2,324 c.w. logs. A whopping 12% increase over last year. From top band, where K1PBW and PAØHIP battled it out, to high band, where LU1DZ and C5AT ran high rates, the name of the game was *action*.

A new world record of 4.69M was turned in by Richard Norton, N6AA operating from 9Y4VT. Richard who finished third last year decided to go for the whole ball game this year. His 1400 Q on 14 MHz. is what did it for him and he walked away with the world title. One would think that beating the world record would produce a first place, but Pete, N6CJ operating from KP4RF had to settle for second (A fine job from a 2 point area).

The Sochi Radio Club decided that 3 points per QSO would be better than 2, so they took a trip down the Black Sea coast to UF6. It was well worth it, because their crew set a new world multi-single record with an incredible 4058 Q totaling out at 6M points. Two expeditions from England finished second and third. GU4DAA, the Channel Contest Group gave grateful participants a nice multiplier, while VP2M with G3VZT and G3XVY at the keys had fun "finally being in demand."

The battle of the big multi-multi stations was won by KP4EAJ (7.1M) with an expedition by the Yankee Clipper

Contest Club and friends. They edged out the boys from Ural, UK9AAN. The crew from Pancevo, YU1BCD, edged out the U.S. entrants of W2PV, W3AU and K2GM.

The top USA all band score was Frank, W3LPL. Frank has quite a station, and winning the USA title for the third year in a row shows that it sure works when he pushes the paddle. W3LPL, N2LT and W1ZA all broke the USA record.

OH1TV went on an expedition to CT3 and came away with a new 3.5 world record. Pekka won the new 3.5 MHz. world trophy. In addition to the stations mentioned above, the following stations set new records: PAØHIP: Europe 1.8; DK3GI: Europe 3.5; UA6LD: Europe 7; OH8OS: Europe 14; KH6CHC: Oceania 1.8; YV10B: South America 1.8; N4JL/HC1: South America 3.5; K10X: USA 14.

The Kentucky antenna farm of N4AR edged out the Texas ranch of K5JA for the USA Multi-Single victory. N4AR's victory was the result of more multipliers on 40 and 80. With conditions on the rapid upswing, the 1978 Contest is really going to be a scramble for top honors.

Not to be outdone, the Frankford Radio Club repaired their antennas, turned their rigs, and walked off with the fierce Club competition title with a total of 62.7M points. That's a lot of work and cooperation. They were followed by their friends to the south, the Potomac Valley Radio Club with 56.6M. Another Group the Yankee Clipper Contest Club from New England (new this year) is breathing down everyones neck with 52.7M points. The foreign competition is getting hotter and hotter.

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WA4IAR/QRPP



SK2KW: L to R SMØDGU, SMØGGM, SM2DMU, SM2HTF, SM2EKM, SM2CEW, SM2EPR, DOG = "Yagi".

BAND-BY-BAND BREAKDOWN - TOP ALL BAND SCORES

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

WORLD TOP SINGLE OPERATOR-ALL BAND

Station	160	80	40	20	15	10
9Y4VT	73/7/9	336/19/44	553/21/55	1407/29/70	1045/25/60	578/21/37
KP4RF	49/8/16	295/19/50	639/22/62	968/27/62	1133/25/67	423/21/46
PJ9CG	34/6/8	360/15/41	550/18/43	605/24/57	867/24/58	839/21/33
ZL3GQ	16/8/5	120/20/30	389/23/44	485/27/65	860/28/69	457/22/43
PJ2VD	17/4/7	189/11/28	537/17/43	968/22/48	801/21/53	543/16/17
9Y4VU		197/10/19	378/13/38	654/24/48	835/24/57	607/18/30
ZS6WW		55/10/15	312/17/37	605/28/59	777/20/47	627/16/51
W3LPL	12/7/9	96/16/44	335/28/68	436/32/89	381/27/81	57/18/32
KH6J	25/6/5	276/14/13	380/18/18	590/30/49	840/17/25	287/17/21
YU3EY	47/3/12	248/14/48	269/20/58	621/30/75	414/27/62	87/18/38

USA TOP SINGLE OPERATOR-ALL BAND

Station	160	80	40	20	15	10
W3LPL	12/7/9	96/16/44	335/28/68	436/32/89	381/27/81	57/18/32
N2LT	6/6/12	147/14/45	326/23/59	633/29/75	308/26/65	31/15/20
W1ZA	4/3/3	180/17/52	137/21/54	754/31/84	303/24/62	31/13/21
N3RS	17/7/11	184/20/57	240/24/57	430/30/75	268/24/63	55/17/30
N6RO	11/5/4	124/15/22	536/28/51	380/29/61	351/23/46	96/17/23
K1NA	15/8/12	152/16/49	219/22/62	481/28/80	293/25/65	31/14/23
K9DX	7/5/5	84/20/38	165/26/55	614/26/71	363/21/60	43/14/24
N7XX	9/6/6	110/16/20	429/21/34	447/24/55	490/21/34	203/17/19
W7KW	11/7/6	101/19/27	418/27/46	328/31/69	335/26/50	126/18/26
W4DR	18/7/15	84/17/44	205/26/69	454/30/69	308/25/67	40/17/29

WORLD TOP MULTI-OPERATOR-SINGLE TRANSMITTER

4L6M	465/18/58	694/20/67	1512/31/85	1070/35/110	317/24/70
GU4DAA	113/6/22	532/15/54	422/19/65	1396/29/44	39/18/38
VP2M		378/14/46	749/20/54	1167/26/64	1004/23/57
EP2SV	13/5/9	352/19/49	598/14/53	682/28/64	537/20/56
YU3DBC		329/14/49	437/18/63	963/32/74	448/30/80
OK5CRC	17/3/17	515/16/55	340/19/70	947/24/71	484/28/83

USA TOP MULTI-OPERATOR-SINGLE TRANSMITTER

N4AR	18/11/16	83/22/52	409/29/75	677/32/83	355/29/76	31/16/30
K5JA	14/7/9	94/21/38	568/26/64	674/32/82	287/26/60	90/19/36
K2BU		190/18/57	434/26/66	643/30/81	294/24/58	20/12/14
K1PR	13/7/8	165/19/50	241/24/60	665/27/74	363/25/68	27/16/26
W6XR	15/8/8	90/13/20	665/27/56	578/29/72	366/20/36	56/14/19
K1XX	16/8/10	134/16/46	116/21/52	782/27/77	252/21/71	25/13/19

WORLD TOP MULTI-OPERATOR-MULTI TRANSMITTER

KP4EAJ	128/7/14	663/20/52	1621/26/66	2028/32/78	1654/24/64	923/20/38
UK9AAN		678/23/69	865/30/79	1462/37/114	1068/30/86	494/21/59
YU1BCD	125/5/19	658/18/60	1038/24/77	1536/36/98	646/27/77	140/25/57
W2PV	72/13/27	340/21/66	533/28/77	1286/35/95	548/27/74	104/21/41
W3AU	64/12/26	228/23/64	533/30/79	1069/33/96	691/29/80	116/21/45
K2GM	57/8/18	177/19/52	543/32/75	1238/35/104	531/29/87	159/23/48

USA TOP MULTI-OPERATOR-MULTI-TRANSMITTER

W2PV	72/13/27	340/21/66	533/28/77	1286/35/95	548/27/74	104/21/41
W3AU	64/12/26	228/23/64	533/30/79	1069/33/96	691/29/80	116/21/45
K2GM	57/ 8/18	177/19/52	543/32/75	1238/35/104	531/29/87	159/23/48
K3WW	54/10/23	269/25/69	544/31/81	970/36/103	613/29/84	92/20/41
K5RC	48/10/17	252/21/49	769/31/79	851/35/97	657/28/76	185/23/43
W3MM	32/ 8/19	265/18/59	336/29/74	1097/33/88	423/27/81	139/20/38

This year's winner is the Rhein-Ruhr DX Association (13.8M) followed closely by the Toronto DX Club and a fine effort by the Voroshilovgrad Radio Club.

Expeditions make it fun

Several expeditions were timed for the Contest. In addition to those mentioned above, CEØZM sure made everyone happy with a fine effort by K1MM and N4WW. Fine operating made them easy to work despite large pile-ups. Across South America PY7BXC/0 was putting another rare one on the map. In Africa, K4YT made lots of people happy by going all bands from EA8ID.

New category

The Committee has decided to institute a QRP category in which WPX rules apply. Output will be limited to 5W c.w. and 10W s.s.b. The top QRP entry on phone and c.w. will win a

trophy. So remember that a weak station calling you may not be the Pacific long path but a QRPer in the next country.

Conditions and the Committee

The total logs received for the 1977 CQ SSB and CW tests were 4,500 an 11% increase over the 1976 Contest. With everyone everywhere aware of the improving conditions, the 1978 test entries should burden the mailman. We are ready.

The following people provided the expertise necessary to check each entrant and summarize the logs for which they were responsible. Chairman; Frank Anzalone, W1WY; Glen Rattmann, K6NA; Gene Walsh, N2AA; John Kanode, N4MM; Terry Baxter, N6CW; Lenny Chertole, W3GRF; Gene Zimmerman W3ZZ; Jim Nieger, N6TJ; Dave Donnelly, K2SS; Low Jenkins, N6VV; Fred Morris, W6PVB; Tom Taormina, K5RC; Reg Toume, N6SV.

Coming up next month the 1978 CQ WW Phone Contest. Congratulations to all of the winners.

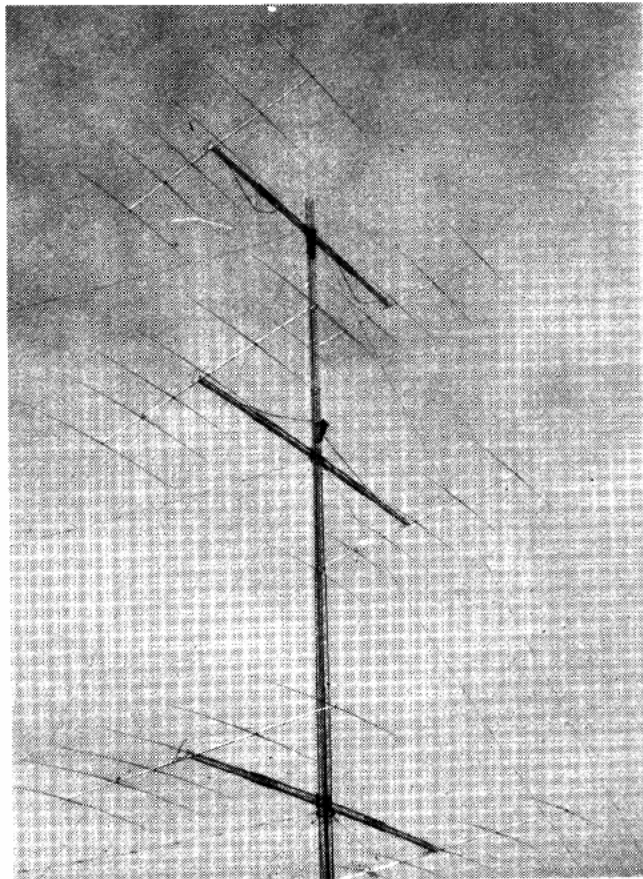
73, Bob, K3EST and Larry, N6AR.



Crew of GU4DAA; L to R G3FXB, G3MXJ, G4BUE, G4EHF.



4L6M:UA6APW and Oleg.



OH8OS, 200 ft. rotatable tower, 36 el. on 14 MHz; OH8OS and OH2BH on tower!



VO2EPA put zone 2 on the map. From Goose Bay, L to R VE1AI, VO2AM, VE1MX.

U.S. QRM

"Rotator on 20/15 beams broke Sunday morning. QSO and multiplier total suffered . . . K1NA. Lost rotator all day Sunday.— Still great fun . . . N1GL. The temptation of a party Saturday night was overwhelming . . . K1DG. Didn't use as many KW hrs as last year . . . W1CNU. With my antennas—next town is good DX . . . W1PWK. Enjoyed it very much . . . W1LK. Fine operators, lots of fun . . . W1BB/1. Was out in the rain soldering radials on the verticle Friday night . . . K2BMI. All my antennas came down in big wind Saturday night. That was that . . . W2GGE. 10m was a big disappointment . . . K2FL. Where is cycle 21? . . . W2AX. Sure was hard to find a clear frequency . . . N2TW. Antenna shorted; fell asleep during best opening; started going deaf . . . N2RN. My age overwhelmed my experience . . . N3RS. First CW contest—will be back again . . . K3NZ. Wouldn't you know, I had to move to North Carolina this weekend . . . N3RB. 80 sure gets slow when Europe drops out . . . WB3AUN. After 3 years, worked a JA on 28 for 5 band WAC . . . W4YN. I found it advantageous to tailgate K3KA. and W3KA. . . . K4KA. There is nothing funny about a 48 Hr DX contest from 5 land . . . K5KU. Climbed tower at midnight to unstick rotator . . . N5TP. First CW contest in 52 years . . . W5DUI. Had to climb the tower twice in the dark . . . K1PR. Had to work 36 hours on Friday and Saturday . . . W4MYA. JA8IEV/JD1 was country #91 for me on 160 . . . K6SE. Operated in the mountains with a motor generator that got 61 QSO's per gallon . . . N6GG. Next year, a memory keyer . . . N6OZ.

DX QRM

"For the first time, French amateurs have been able to make use of the 160m band. I recall then, thanks to the efforts of Gene, W4BRB, W4OO, and of Jean, F8EX, the first permission obtained by French amateurs for 160m band was on the occasion of the CQ 160m Contest in January 1977. My best QSO's during the November 1977 WW CQ Contest—eight US amateurs, one VE, and one YV on 160m band. Could have slept for a week after the Contest, very enjoyable . . . GM3ZSP. As you can see, I am with you every year. Including this Contest, came up to near 37,000 QSO's! So see you next year . . . HB9KC. Still the best of the lot . . . G3KDB. Not enough countries are active during the CW part . . . F3AT. Nice to see the newly erected double fed delta loop work so well, esp. on 80m where the size is small . . . TF3KB. Always a very nice contest. Hope next year again, age 78 years Hi. I hope. . . PAQVB. Here's the new European record. Will be difficult to bear Ernie, K1PBW for top world though. Think that will be a very close finish! Most annoying parts of contest: line voltage dropped below 160V at times (noticeable in log). Heard loads and loads of JA's. Could only work one. Most thrilling event: Working 5 (five) "sixes" it made me wake up again, Hi . . . PAQHIP/A. Heavy QRN (due to snow fall) made it impossible to copy stations during best DX hours on Sunday. Even beverages had S9 noise levels . . . DJ8WLA. Imagine the thrill of working XE1AN, good for 2 multipliers, as my last QSO in the Contest . . . TF3CW. I believe this Contest is the biggest pusher to improve antennas and equipment. You should have seen me on the roof the days before the Contest! . . . EA5CQ. Still the most enjoyable test. Gap in log first day O65.2-0803 while I tracked down an intermittent fault on the bias line! . . . G3HCT. (14mc) A struggle to get multipliers in Europe amongst S9 + W signals! . . . GM4CXM. Windiest weekend of the year and antenna 'Birling around like a yoyo.' . . . GM3XNJ. I got my first KL7 on 40 meters! . . . DM3BF. With a wire antenna and TVI keeping me off in the evenings, that's nearly my limit I'm afraid. pity, because I enjoyed the Contest very much . . . GW3INW. Though we would have a go on 28 MHz as a change from 21 MHz. Heard a few W's but could only raise one, band did not open . . . G4CNY. Better conditions than last year. But still not good, though 10 did open up from time to time. See you again next year, I hope. 73 . . . G3DYY. Much more pleasant looking out the window at the English countryside, than the cement shack walls back home . . . G5CFV (K9RA, ex WA9LZA opr. I am blind and my dog is dead . . . K2SS. "Thrilled to bag GU4DAA for a new country . . . CE0AE. USA operator courtesy better than usual . . . H18LC. Spent fone contest in hospital after fall from tower. Want to thank boys from the Fairbanks NASA station for their help with the antennas . . . KL7RA. Prepared to work 160, but too much QRN so decided on 10 meters instead . . . LU1DZ. My last contest from KP4. See you next year from W6DCC . . .

U.S.A. Club Scores

Frankford Radio Club	62,769,387
Potomac Valley Radio Club	56,645,474
Yankee Clipper Contest Club	52,724,912
Northern California DX & Contest Cooperative	27,149,189
Southern California DX Club	23,168,114
Murphy's Marauders	19,435,764
Western Washington DX Club	15,935,129
North Florida DX Association	12,417,614
Southeastern DX Club	10,303,142
Texas DX Society	8,924,524
San Diego DX Club	6,830,268
Indy DX'ers	5,728,991
North Texas Contest Club	5,152,422
Central Virginia Contest Club	5,058,062
Northern Illinois DX Association	4,319,918
Richardson Wireless Klub	4,145,868
Williamette Valley DX Club	3,757,453
Michigan DX Association	3,330,809
Mad River Radio Club	3,242,542
Wireless Institute of the Northeast	3,161,595
Northern California Contest Club	2,214,102
Order of Boiled Owls	2,081,599
Alamo DX Amigos	2,078,193
Virginia Century Club	2,021,208
Delta DX Association	1,680,974
Northern California DX Club	1,601,122
South Florida DX Association	1,469,194
Eastern Iowa DX Association	1,297,173
Central Arizona DX Association	1,252,921
Twin Cities DX Association	1,187,314
Kansas City DX Club	834,030
Mississippi Valley DX & Contest Club	616,367

Greater Milwaukee DX Association	427,076
Charlotte Amateur Radio Club	390,142
Gloucester County Amateur Radio Club	388,646
South Jersey Radio Association	370,795
Dade Radio Club	279,027
Joliet Amateur Radio Society	272,241
Bluegrass Amateur Radio Club	271,019
Waukegan VHF Society	222,705
Northern Ohio Amateur Radio Association	154,213
Dayton Amateur Radio Association	68,436

DX Club Scores

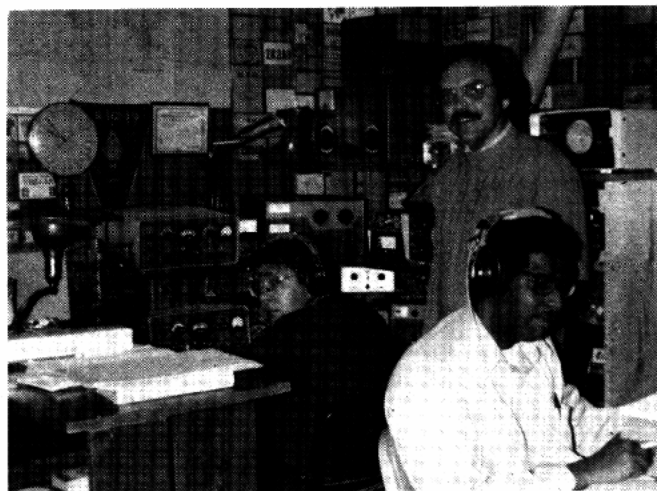
Rhein-Ruhr DX Association	13,819,801
Toronto DX Club	10,096,178
Voroshilovgrad Radio Club	10,070,861
South German DX Group	8,060,501
Kaunas Polytechnic Institute Radio Club	7,242,272
Chelyabinsk Region Radio Club	6,779,624
Saar/Pfalz DX Club	4,501,593
Channel Contest Group	4,183,802
Tetrahedral Contest Circle	3,647,862
Fraser Valley DX Club	2,003,431
Halifax Amateur Radio Club	1,727,552
Tallinn Radio Club	1,399,651
Honolulu DX Club	1,396,383
Minsk Radio Club	1,385,439
UBR (Brasil)	1,299,857
Winnipeg DX Club	1,267,189
Danish DX Group	1,074,636
DX Club of Puerto Rico	815,526
Radio Club Venezolano	512,264
CW YV Club	283,475
Swiss DX Club	101,156

KP4DKX. Big thrill to work CE0ZM for country number 170 with 5 watts ... **OA8V.** Started at 10 w.p.m. and finished at 30 w.p.m. with a standard brass key. Will have a bug for the next contest ... **VE8CC.** **JA2UEO** - I have moved to Yokohama this April, so went back to home country for the contest by bullet train. An always pleasant contest. Biggest thrill - was called by **KP4BC** via long path (7 MHz.) His signal was 10 dB over S-9 on my S meter ... **JA5BJC.** I had to waste 1 hour because I got the traffic accident 1 hour before the test - missed many mults. ... **JE1CKA** (**JA0CUV** Opr.). One of the most interesting competitions of the year - worked 12 new countries for 5B-DXCC. ... **OK1DVE.** Operated by **OH2BH** - 36 el. beam, arctic circle ... propagation and good conditions resulted in my best score ever from Finland ... **OH8OS.** It was fine Biz. test - worked 3 new countries. Very good opening on Sunday evening to Japan on 1.8 MHz ... **OH2BO.** 65 years young, so don't try that all band rat race anymore. Fun with a different band each year ... **SV0WTT.** Was 1st in 1968 from Italy, hope I can repeat it ten years later on 28 MHz ... **IK2FGP.** Conditions were much better a week before the contest ... **SP9ADU.** Poor conditions on 40 meters this year, had great fun as always in this

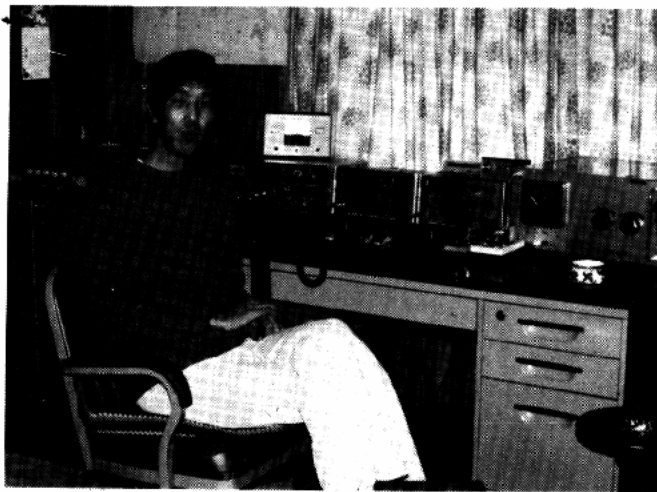
contest ... **YO3BEJ.** Fine conditions but much local QRM ... **YU2OB.** Had fun in contest even with poor conditions ... **YO6AW.** Nice to work so many stateside stations with new vertical antennas. Did miss 16 hours due to snow storm ... **OH1IJ.** Rotator burned out before contest and repaired just in time to start test, then high winds damaged my quad so was limited to 21 MHz ... **OK3EA.** How about CW in the WPX contest? ... **CY3HFS.** Rainstorms washed out roads and cut off power ... **W4ORT** (Op. of **HH2DX**). A lightning strike didn't help the 140 per hour rate ... **G3XVY** (op. of **VP2M**). Suitcase DX-pedition stations just 'aint' the most secure in a Caribbean thunderstorm ... **W4UY/PJ8JM.** Had to pass up some 1 point JA's for some slower 3 pointers ... **K6KM/EP2SV.** We celebrated 50 years of our club by putting a team into the CQ WW CW, but some hard going when no one is beaming this way ... **ZL2AKW** (op. at **ZL2WB**). Linear blew in the last hour of the contest ... **N4VV/CE3** (That's a switch-ed.). Lots of troubles including interference, but hope to progress in the future, Nice Contest ... **UK9AAN** (**UA9AN**). Contest was very good, we were happy to visit Georgia for DX-pedition over 10 years after 4L3A operation in 1967 ... **4L6M** (**UA6APW**)



OK5CRC: **OK2RZ, OK2SSS** (standing) **OK2RN, OK2HZ.** We wonder which bottle has the most output.



N4AR, N4KG (standing), **W8KIC.**



JA5BJC uses a 2 el. Delta loop on 40 meters.



YU2CDS (YU2CT Opr.)



OH6JW



I2FGP

UK4WAB: Baranov, Kanusov, Krylov, Sakerin, Sisin, Scobkarev. **UK4WAR:** Fomin, A., Fomin, T., Kuznetsov, Markovi, Onotnicov, Yamilov, Zapolskin, Volkov, Shevtsov. **UK4YYY:** Leontyev, Danilov, Filippov. **UK5EAG:** Owod, Dron, Pasyuk. **UK5IAK:** UB5-060-805, UB5-060-238, UB5-60-203. **UK5HAB:** UB5-071-73, UB5-071-330. **UK5IAN:** UY5EC, UB5IEP, UT5SI, UB5-073-1732. **UK5IAZ:** UT5AA, UB5-073-202, UB5-073-218, UB5-073-313, UB5-073-342, UB5-073-474, UB5-073-209, UB5-073-1249. **UK5IBB:** UB5SIHO, UB5-073-394, UB5-073-734, UB5-073-2077. **UK5JAD:** Yavorsky, Shalya. **UK5JAO:** Grene, Vlasov, Dolotovski. **UK5LAA:** UB5LCV, UB5LCX, UY5SQ. **UK5MAB:** UB5MDD, UB5MDA, UB5MHQ, **UK5MAF:** UY5LK, UB5MDC, UB5MAK, UB5-059-22. **UK5MAG:** UB5MDP, UB5MBP, UB5MDL, UT5HP. **UK5MBF:** UB5MDG, UB5MCH, UB5MHM. **UK5MBV:** UB5MFR, UB5MA, **UK5MBW:** UB5MFT, UB5MGM, UB5-059-12. **UB5MCP:** UB5MIU, UB5-059-704. **UK5QBE:** CLUB. **UK5UBB:** UB5-065-271, UB5-065-73. **UK5VAA:** Dobrovolski, Lisovski. **UK5WAA:** UB5WCJ, UB5-068-420, UB5-068-389. **UK5WAG:** UY5XB, UB5-068-309, UB5-068-339. **UK5WAZ:** UB5WCT, UB5-068-395, UB5-068-392. **UK5XBA:** UB5-062-240, UB5-062-239, UT5QG, Vodotiets. **UK5ZAK:** UB5ZBK, UB5-069-337, UB5-069-396. **UK6AJA:** UA6AKK, UA6AJO, UA6AJG, UA6ALC, UA6AKT, UA6-101-1446, UA6-101-472. **UK6DAU:** Gorogets. **UK6LEZ:** UA6-150-1781, UA6-150-7371, UA6L BX, Rybak. **UK6QAA:** Wezhowski. **UK6YAB:** Deynecin, Kuznetsov, Velitchko, Grechnikov, Capiya. **UK7CAC:** UL7-028-1, UL7CAZ, Ex. UA6AFU. **UK7NAA:** UL7-031-003, UL7NAT, UL7NAU. **UK8AAI:** UI8ACI, UI8BI. **UK8BAA:** Solodovnikov, Chichelenko, Novkov. **UK9ADY:** UA9AFZ, UA9ADH, UA9ADI, UA9AAX, UW9AT, UA9AAF. **UK9CBD:** UA9CBM, UW9DW, UA9CT, UA9CAM, UA9DU, UA9CDJ, UA9-154-1102, UV9DO, UA9-154-1333. **UK9HAC:** UA9-158-307, UA9HBQ, UA9HBB, UA9-158-377. **UK9OAD:** UA9OFU, UA9OEH, UA9OFB. **UK9QAG:** Vidish, Selivanov, Lukhinyh. **UK9XAA:** Beznosikov, Shvec, Chegesov, Ikhnikov, Nikitin, Shishelov. **UK9XAC:** UA9XN, UA9XV. **UK9AAC:** UA9ACQ, UA9BW, UA9ABB, UA9AAK, UA9AAF. **UK9AAS:** Popov, Nepovinyh. **Dogopoply:** **UK9BAA:** Sataev, Holodov, Pakulsky. **UK9FAA:** UA0-153-1, UA0-153-79, UA0FAM, UW0FM, UA0FBX, UW0FX. **UK0LAB:** UA0LS, UA0LBW, UA0-107-387. **VE1MOT & VE6BKF:** **VE6ASI & VE6JA:** **VE7AUB & VE7AVU:** **VO2EPA:** VO2AB, VE1AI, VE1MX. **VP2M:** G3VZT, G3XVY, VP2MF. **W2UR & N3KR:** **W3EUV & K4PJ:** **W3HB & W3NX:** **W43WPY:** **W3UO:** K3KU, W3IKA. **W4MYA & W4LDF:** **W4NVU:** **K4KQ:** **W4OBA:** **W4ALJZ:** **W4KRFZ:** **W5YZ & W5SVN:** **W6BH & N6OR:** **W6IOM:** **W6BIP & W6DJI:** **W6KG & W6QL:** **W6XR & W1ARR:** **N6TV:** **K6UD:** **W9LT & K9UWA:** **W9FC:** **W9DSU:** **W9HP & K9WVX:** **W9BE:** **K9KX:** **W9UO:** **W9YCR:** **W9ZZ:** **W9LYN:** **W9SD & K9RA:** **K9SD:** **K9ZZ:** **K9CKE:** **K9QPH:** **W9UD:** **W9SNV:** **W9NRE:** **W9PJB:** **W9YR & N9AR:** **W9AR:** **WA2HDD & W32MAE:** **WA3NAN:** **WB3ANV:** **WB3AON:** **WA4LZR:** **N4RU:** **W4ROA:** **WA9ACF:** **WB99LV & W99ADE:** **WB9JZQ & WB9IE:** **WB9BP:** **W9BPG & W9BDLV:** **Y04SI & Y04HW:** **Y04XF:** **Y04AIP:** **Y04ATW:** **Y04ARR:** **Y08BAH:** **Y05KAU:** **Y05DH:** **Y05RE:** **Y08KANP:** **Y08GV:** **Y08CP:** **Y08MI:** **Y08GV:** **Y08AJG:** **Y08AMT:** **YU1ELM:** **YU1DFT:** **YU1OND:** **Petkovic:** **Krkic:** **Krkic:** **Stolic:** **YU2CT:** **YU2RNC:** **YU2RTM:** **YU2RUX:** **YU2RQC:** **YU3BUB:** **Majer:** **Alojs:** **YU3DBC:** **YU3ZV:** **YU3TYX:** **YU3TPZ:** **YU3EZ:** **YU4CBC:**

Karanovic, Zagovcic, Kosovic. **ZL2WB:** ZL2AKW, ZL2AYP, ZL2CD, ZL2OM. **4L6M:** UA6APW, UA6APP, UA6DL, UA6AAQ, UW6CA, UW6CG, UA6AYR, UV6AF, UA6APH, UA6APR, UA6APL, Kravchenko.

STATION OPERATORS

Multi-Operator Multi-Transmitter

CE0ZM: K1MM, N4WW. **JA1YHA:** JH1LGZ, JG1BQP, JR2SMB, JA7UES, JA9GAE, JA0GBO, JA0KXS. **JA1YXP:** CLUB. **JA1ZLO:** JE1JJI, JR1FIG, JH2CKX, JH4EBN, JH6HDL. **JA2YEF:** CLUB. **JA3YBF:** CLUB. **JA3YKC:** CLUB. **JA3YQA:** JA3NHK, JA3STP, JH3QNH. **JA4YQO:** CLUB. **JA6YAP:** JH6GFF, JH6INJ, JH6INQ, JH6KPZ, JH6QKX, JH6RIM, JR6DTB, JR6KGU, Uchi, Masa, Nori. **JA6YDH:** JA3VXN, JA6KGB, JH6DRF, JH6EFI, JH6MWW, JR6DUL. **JA7YAA:** JA7LMK, JA7NRQ, JA7HKB, JA7JQG, JA7LMU, JA7LKH, JA7TNO, JA9DIO, JA8FTW, JH2DVX, JA7KPK, JG1IGW, JA9YBA: JH2FKY, JH2SBU, JR2NKG, JA9DZS, JA9GU, JA9GOE, JA9LWB, JH1YDT: JA1MRM, JH1AGH, JH1BBT, JH1BNC, JH1BTY, JH1GNU, JH1KLA, JR1AQQ, JR1JIV. **JH1ZLA:** JA1CUW, JA1KSO, JE1FFW, JE1GWP, JE1OMO, JH1DTC, JH1HXR, JR1JFO, K7JA. **K2GM & N1XX:** W1PM, K2BQ, K2GL, K2SS, K2TT, K2UU, N2AA, WB2VYA, WB6KIL, B. WALSH. **K3WW & K3DZB:** K3UEI, K3UJV, W3HXX, W3ALNM. **K4CG:** K3WUW, K4YEP, N4MO, WB4BQX. **K4LRJ & N4HI:** **K5RC & K5GA:** K5GN, K5KG, K5MA, K5TM, K5WA, K5ZD, N5AM, W5VAH, W5VQ, WB5QWX. **K6RR & K6OZL:** N6CW, N6FU, N6IN, N6MU, N6PD, N6RJ, N6XX, N6ZZ, WA6OTU, WA6PNG, AA6RX. **K8LX & K8GM:** N8EA, W8KPL, W8SYR, W8WA. **K9RF & K9GU:** N9RR, W7ZO, W0UA, W0UN, W0ZV, W0D0SU. **KP4EAJ & K10ME:** K1VR, K1ZM, K2DM, K5PM, N4ZC, WB8NTK, WB8TON, N2MM & N2ME, WA2HGM, WB2SST. **N4KE N4IB:** **N5AW & N6AV:** **N6MG & W6PGB:** REPEATER. **OH1AA:** CLUB. **OH2AW:** OH2BD, OH2BGD, OH2BPN, OH2BQT, OH2BR, OH2CX, OH2EO, OH2KA, OH3MK, OH3YI, OH3XZ, OH5UX. **SK6AJ:** CX1AAC, SM5AD, SM5AXP, SM4BNZ, SM5CAK, SM5CBN, SM5CNQ, SM5DPS, SM2DQZ, SM7EXE, SM5HPB, SM5GPP. **UK9AAN:** UA9AN, UA9AEN, UA9ACZ, UA9ABA, UA9AID, UV9AX, UW9BY, UA9165-965, UL7LEZ, UA9AHH, UA9AIA, RA9AIL, UA9-165516, UA9-165686, W2PV & K1AR, K1IR, K1PT, K2TR, K2XA, N2FB, N6DE, WA2SPL. **W3AU & K3EST:** N4IN, K3TW, CX1EK/W4, WA3TAI, K3LR. **W3FA & N8II:** W3ABC, W3XY, WA3KCY, WA3ZAS. **W3GM & K3GM:** K0VCK, W3GL, WA3JVB, WA3WIM, W83DKM. **W3MM & K2TD:** K3YL, N2HI, N2ME, N3AD, N3DA, W2BOYU, WA3VYD. **W3TV & W3A0H:** W3VW. **W3ZZ & W3IUU:** **W4WS & N4IO:** N4OO, N4UN, N4WC, W4QM, W4YA, W4ZCB, WA4YWE, W7NG, W7FU & K7XX, W5XZ, VE7ZZ. **W4JNNA & W3GRS:** **YU1BCD:** YU1NQW, YU1NZV, YU1OCV, YU1ODO, YU1OOI, YU1QBC, YU1QFK, YU3TCA, YU1RS-627, YU1RS-628, YU5YA: VA5AC, YV5AAS, YV5AAZ, YV5ANT, YV5BNR. **ZF2AW:** K8MFO, N8AA, W8DNC, W8VW, YV1CD.

TOP SCORES

WORLD Single-Op All Band		USA Single Op All Band	
9Y4VT	4,697,304	W3LPL	1,693,956
KP4RF	3,732,350	N2LT	1,594,104
PJ9CG	3,334,884	W1ZA	1,543,850
ZL3GQ	2,648,064	N3RS	1,411,830
PJ2VD	2,591,440	N6RO	1,387,368
9Y4VU	2,221,024	K1NA	1,344,512
ZS6WW	2,131,200	K9DX	1,330,060
W3LPL	1,693,956	N7XX	1,327,872
KH6J	1,661,756	W7KW	1,318,592
YU3EY	1,636,605	W4DR	1,310,985

Single-Op Single Band 28 MHz		Single-Op Single Band 28 MHz	
LU1DZ	231,504	W5MYA	40,133
C5AT	156,060	N6KA	26,235
4Z4KX	92,232	K5UR	25,996
CR9AJ	70,766	W6MUR	22,960
UA9SCH	64,854	K4JD	20,700
EA8URE	47,700	W1BR	19,400

21 MHz		21 MHz	
KX6LA	543,345	N4RJ	221,598
CX8DT	387,844	W4RX	198,024
KH6DD	320,320	W1RM/2	194,129
YJ2OB	254,767	K4FJ/3	161,690
OE3AKA	229,381	K9FN	158,256
N4RJ	221,598	WA8PKB	157,728

14 MHz		14 MHz	
ZW4OD	648,825	K1OX	450,596
OH8OS	625,812	N9MM	394,482
K1OX	450,596	K8IA	331,303
CY3EDC	399,663	K4JPD	313,575
N9MM	394,482	W5FO	285,496
OZ1LO	385,330	K3UA	277,300

7 MHz		7 MHz	
KV4FZ	371,628	W5UN	246,584
UA6LO	269,654	K7UR	97,440
W5UN	246,584	K4VX	97,008
ZLXXG	212,443	W4FDA	76,911
X1LAMO	187,026	N0DX	57,570
CY3IXE	180,978	W4VQ	33,341

3.5 MHz		3.5 MHz	
CT3/OH1TV	223,364	WB3AVN	34,580
DK3GI	165,216	K8MD	33,670
DL7AV	130,916	K9OTB	25,950
UA1DZ	129,692	N4QQ	24,752
I3GNQ	105,252	K5NU	22,388
CY3BMV	102,828	K9AJ	18,612

1.8 MHz		1.8 MHz	
K1PBW	19,872	K1PBW	19,872
PA0HIP	17,346	W1BB/1	6,012
YV1OB	14,220	W4HBK	3,465
KH6CHC	8,400	N4EA	3,168
DJ8WLA	7,018	W5USM	2,759
OK1ATP	6,014	K5AAO	1,175

Multi-Op Single Transmitter		Multi-Op Single Transmitter	
4L6M	6,095,824	N4AR	2,131,746
GU4DAA	2,842,776	K5JA	2,087,400
VP2M	2,766,433	K2BU	1,755,914
EP2SV	2,505,068	K1PR	1,714,172
YU3DBC	2,247,696	W6XR	1,630,608
OK5CRC	2,164,941	K1XX	1,447,419

Multi-Op Multi-Transmitter		Multi-Op Multi-Transmitter	
KP4EAJ	7,177,275	W2PV	4,318,650
UK9AAN	6,540,380	W3AU	4,216,306
YU1BCD	4,707,000	K2GM	4,034,360
W2PV	4,318,650	K3WW	4,016,352
W3AU	4,216,306	K5RC	3,896,904
K2GM	4,034,360	W3MM	3,158,142

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

PHONE RESULTS SINGLE OPERATOR NORTH AMERICA

UNITED STATES (Opr. K1EA)			
W1ZA	A 1,543,850	1397	109 276
K1NA	1,344,512	1191	113 291
N1GL	791,605	826	102 233
W1YG	590,226	754	77 196
K1WB	469,635	696	77 162
K1IU	442,736	588	90 178
W1BH	438,292	506	95 221
K1SB	416,520	568	78 182
K1YXK	392,380	621	75 155
W1NG	374,596	488	87 197
W1XS	315,616	514	78 146
K1DG	315,016	485	71 162
K1OT	276,621	473	67 144
W1ZT	224,640	365	81 153
W1FJ	212,877	364	69 148
W1GG	192,058	333	76 142
W100	174,796	349	60 118
W1TAT	97,654	241	50 107
W1VV	85,965	194	59 106
W1SD	75,150	173	70 97
W1WY	69,280	169	55 105
W1CNU	67,815	182	41 96
W1UJU	53,504	158	43 85
W1A1POJ	51,088	162	42 82
W1GD	41,769	132	35 84
W1RQ	39,710	136	37 73
K1MBQ	38,150	133	36 73
K1SA	29,484	112	29 62
W1PWK	27,200	104	33 67
W1UZH	23,375	100	30 55
W1XK	21,879	90	35 64
W1YNE	19,683	87	27 54
W1XX	15,030	115	13 32
K1GQ	14,381	72	26 47
WAZERT/1			
N1AU	8,723	171	26 35
K1IK	7,072	48	20 32
W1PLJ	3,024	29	19 23
W1OPJ	2,784	31	11 21
K1SF	2,310	27	11 24
K1KNO	1,568	21	11 17
W1BR	936	16	10 24
K1LWI	19,140	114	21 45
W1YN	10,764	84	16 36
W1PH	126,351	439	26 75
K1WX	117,832	393	27 77
W1FCN	68,034	290	20 67
K1OX	9,270	80	11 34
K1DKX	140,596	1217	33 94
W1LK			
K1ZSY	159,782	544	29 72
W1HOF	112,423	391	26 71
K1WJL	73,429	266	27 70
W1ZM	42,851	201	23 50
K1CO	42,420	181	25 59
W1ZM	7,105	51	16 33
K1PBW	3,724	41	12 26
W1BB/1	1,872	145	14 34
N2LT	6,012	56	10 26
W2IB	1,137,312	1121	106 253
K2BMI	877,051	901	102 241
N2WT	694,407	833	93 208
W2GD	687,974	790	103 211
W2GW	643,530	794	86 199
N2RM	597,135	895	72 159
WAZZKY	584,199	714	83 214
W2VY	564,706	697	82 207
W2GGE	432,752	531	94 202
N2MR	350,760	530	80 157
K2UA	344,080	634	54 133
K2FL	335,160	428	91 203
W2AX	319,559	537	62 161
W2FVS	260,370	373	83 180
W2REH	197,303	361	65 126
W2JJ	192,660	319	76 152
K2SD	160,680	292	60 135
N200	150,012	327	53 109
WAZZWH	141,792	313	56 112
K2VW	119,377	403	30 73
N2TW	110,630	318	43 87
W2EUD	108,125	242	49 124
W2CP	99,302	211	62 111
W2NS	97,097	243	47 96
WB2RTF	88,740	222	49 103
WB2E00	82,492	218	60 104
W2SGK	80,556	211	47 90
WAZVYA	71,722	241	41 68
WAZLJM	64,201	233	33 76
K2MFY	56,048	168	37 87
W2PQZ	47,625	142	50 77
K2PH	40,341	136	40 73
K2SB	38,110	136	38 65
K2PF	37,516	130	40 73
W2FTY	36,712	131	35 69
K2FS	31,734	100	51 72
W2HUG	30,747	116	42 69
WB2LJK	29,988	117	36 62
K2MN	25,761	104	30 63
W2KI	16,380	92	20 45
W2QY	14,910	80	19 51
WAZVCZ	9,861	65	24 33
W2IY	5,900	38	26 33
WAZAUB	5,280	43	23 32
K2PE	1,770	21	13 17

W2RS	28	7,500	60	17	33
W2HG		3,465	46	14	21
W1RM/2	21	194,129	632	30	79
WB2FIT		127,504	426	26	78
K2LE		92,268	326	25	74
K2UR		90,768	336	24	69
W2AZO		18,176	104	20	44
K2LWR	14	209,760	624	32	83
W2SUA		180,290	582	31	79
				(Opr. N2CQ)	
K2IGW		129,865	500	27	67
W2AO		53,185	328	17	38
WAZCSQ		4,092	47	11	20
W2XN		3,872	43	12	20
K2ZM		2,856	44	11	17
K2TD		588	14	9	12
N2IN		495	14	6	9
N2GC	7	14,280	92	19	41
N2RN		10,731	97	15	34
N2SS		6,660	57	16	29
W2ER	3.5	17,050	103	14	48
W3LPL	A	1,693,956	1317	128	293
N3RS		1,411,830	1194	122	293
W3BGN		1,230,293	1185	106	253
K3ZO		1,164,800	1130	108	256
K3RA		989,095	1024	101	236
W3AP		954,603	920	115	254
K3CY		861,300	929	89	230
N3BB		843,200	880	106	234
W3GRF		790,824	857	99	233
N3ED		657,926	705	95	219
W3RJ		651,147	756	94	208
K3NA		600,849	748	94	209
W3OV		529,644	683	81	195
W3GG		521,040	756	79	161
				(Opr. WB3FGR)	
K300		440,707	579	90	187
K3II		420,863	551	74	197
K3NZ		413,910	556	87	183
W3FV		402,582	503	90	203
N3NA		383,894	602	73	165
DK5AD/W3		376,540	507	85	183
W3AZ		367,104	551	73	166
W3NZ		354,273	476	83	186
W3JO		305,976	588	50	133
W3GK		256,872	394	73	158
W3KV		228,712	384	71	155
N3UN		223,416	413	73	141
W3WRD		201,201	375	70	131
W3GU		191,239	339	65	134
W3RL		187,660	313	74	146
W3KT		170,476	294	69	149
W3FUV					

N6UW	46,980	191	36	54	
K6OC	44,440	142	44	66	
N6JM	32,274	119	44	55	
W6AWF	31,293	180	27	34	
N6HE	26,166	160	41	48	
W6SUJ	20,655	91	36	49	
W6JD	19,039	88	27	52	
W6JMS	12,540	88	30	30	
N6GL	7,020	54	24	28	
N6OU	5,550	47	25	25	
W6ODE	5,292	51	14	22	
A6GEE	4,459	49	25	24	
W6BYH	4,365	35	19	26	
W6TDO	2,625	40	12	13	
N6DB	725	13	12	5	
W6CQCZ	330	11	6	5	
N6KA	28	26,235	191	20	33
W6MUR	22,960	153	22	34	
N6PE	7,140	76	16	18	
W6YX	21	116,856	571	23	49
		(Opr. N7MH)			
N6VI	113,516	550	24	50	
W6JGY	31,735	211	22	33	
N6UC	10,440	108	18	22	
N6TO	51,768	251	23	49	
K6XX	3.5	2,448	27	17	19
N7XX	A	1,327,872	1688	105	168
		(Opr. WA1KKM)			
W7KW	1	3,18,592	1319	128	224
		(Opr. K6NA)			
W7N1	824,310	1,082	98	172	
W7WA	553,245	855	88	143	
K7NF	258,957	648	62	77	
W7JYW	241,025	590	62	93	
W7NP	183,183	442	53	90	
N7AM	174,334	469	61	73	
W7ZMD	142,880	319	81	109	
K7JU	78,864	277	47	59	
K7WA	65,856	231	53	59	
W7HKG	45,780	168	43	66	
N7MW	37,736	146	48	58	
W7IIT	33,417	151	36	43	
W7GUR	22,698	107	34	44	
W7BGS	21,655	142	31	40	
W7QC	20,979	111	31	32	
K7CPC	6,336	51	20	24	
W7BYK	6,321	53	21	22	
W7FR	21	49,032	320	21	33
		(Opr. W7PHO)			
W7AYY	25,760	165	20	36	
W7ATF	14	236,440	738	35	80
		(Opr. N7RP)			
K7OE	110,736	549	22	50	
W7LJ	62,900	313	23	45	
W7ZI	4,500	62	12	13	
K7UR	7	97,440	429	27	53
W7ISX	2,790	35	16	15	
N7RK	3.5	16,550	128	19	31
W7XZ	1.8	660	37	7	5
N8JW	A	652,210	805	93	197
K8GL	356,680	536	83	158	
W8RSW	130,152	235	65	139	
K8MR	115,938	259	60	111	
W8KME	101,232	229	65	106	
K8RD	100,492	197	70	124	
W8DSO	69,987	201	38	85	
W8GOC	69,840	189	58	86	
W4A1R1/8	54,016	180	50	78	
K8LJG	44,289	143	38	73	
W8VSK	38,584	137	32	72	
W8ICC	18,249	88	30	49	
K8US	13,020	77	26	44	
W8DLRV	7,316	49	24	35	
K8KR	3,440	35	17	26	
K8MVC	2,380	26	12	22	
W8WPC	28	15,180	134	20	40
		(Opr. N8AG)			
W8LU	9,750	78	18	32	
K8MN	3,465	44	15	20	
W8WVU	2,848	44	13	19	
W8PKB	21	157,728	532	27	79
		(Opr. K8WV)			
K8CX	135,616	455	29	75	
W8TA	133,421	462	28	73	
K8DYZ	107,800	381	28	70	
K8IA	14	331,303	864	33	100
W8TWA	113,553	430	26	67	
W8ILC	15,872	100	22	42	
W8ATN	6,232	60	12	26	
K8PYD	1,728	32	7	11	
N8BB	7	38,097	169	27	56
		(Opr. W8UVZ)			
K8CW	32,025	156	20	55	
K8MD	3.8	33,670	174	21	63
K9DX	A	1,330,060	1276	112	253
W9RE	862,576	968	102	217	
W9ZFR	670,880	846	93	187	
N9NS	257,625	424	82	143	
W9NA	250,575	446	70	125	
W9OP	188,968	385	63	121	
K9IL	181,634	343	71	126	
W9RX	140,600	276	66	119	
W9MAG	119,358	280	63	108	
W9TKV	77,028	189	49	98	
W9BZM	73,914	238	47	80	
W9DA	38,907	147	39	60	
W9QWM	34,946	145	44	57	
W9RY	28,865	126	36	55	
K9BK	17,850	92	30	55	
W9PDK	15,768	99	29	44	
W9TNZ	7,112	48	20	36	
W9ZA	28	17,050	118	21	41
N9DP	15,780	114	23	37	
W9OBF	12,425	86	20	37	
W9YVG	9,450	81	19	35	
W9UJG	6,795	61	18	27	
K9FN	21	158,256	492	30	82
K9ES	129,584	430	30	82	
K9DAF	70,890	297	26	59	
W9LZK	68,150	258	27	67	
K9AR	35,136	171	21	51	
W9MVL	11,935	80	18	37	
W9WJ	4,672	54	11	21	
W9BCG	364	9	5	9	
N9NM	14	394,482	1057	35	94
K9CLO	155,471	510	30	77	
W9DWO	81,630	323	24	66	
N9BB	67,452	307	21	56	
W9GIL	66,780	268	26	64	
W9UJ	59,254	261	24	62	
K9BN	33,040	152	23	57	
W9JOO	23,694	139	21	45	
W9SMU	817	21	9	10	
W9SFR	7	49,959	209	26	65
W9AJCO	48,025	223	27	58	
K9MFI	25,350	140	24	51	
W9CH	11,660	89	17	36	
W9CL	7,268	63	18	28	
W9NB	4,859	53	17	26	
K9OTB	3.5	25,950	128	23	52
K9AJ	18,612	108	22	44	
K9KM	10,437	85	15	34	
W9BZV	7,014	68	12	30	
K9JF	2,376	29	12	21	
K9FX	A	564,838	905	84	134
K9MM	405,090	691	65	145	
N9GA	335,040	531	90	150	
K9LZL	275,712	526	68	124	
W9IUB	267,154	449	83	140	
W9SR	164,016	312	75	126	
W9VU	142,450	294	61	114	
W9VX	107,027	311	45	86	
K9IR	96,875	283	46	79	
W9AKDI	85,860	235	53	82	
W9JU	76,734	242	50	97	
W9AQN	67,770	189	50	85	
W9AFBQ	60,243	179	51	78	
W9BZO	54,740	172	46	73	
W9YK	50,270	174	47	63	
W9LZ	45,847	140	48	79	
W9QWS	41,496	142	47	67	
W9QVW	34,374	135	43	59	
K9FC	7,296	51	26	31	
W9MJJ	5,187	53	18	21	
W9BLFJ	2,278	30	16	18	
N9DX	7	57,760	225	28	67
N9RF	21,280	103	24	52	
W9LYO	143	7	6	5	
		(Opr. WA4DRU)			
ALASKA					
KL7RA	A	811,944	1681	75	114
KL7RW	625,314	1338	83	95	
KL7AF	259,700	1023	53	53	
KL7GN	21	32,829	446	15	16
KL7EWP	14	30,272	274	17	27
KL7HR	7	40,664	321	19	33
BELIZE					
VP1AH	21	181,440	992	22	59
		(Opr. WA4DRU)			
BERMUDA					
WA1RFM/VP3	A	124,868	542	39	67
CANADA					
VD1KO	A	49,862	470	24	27
VE1AH	A	333,465	667	69	146
VE1EP	2964	33	15	23	
CY1BDT	28	731	20	4	13
VE2AYU	A	365,800	797	72	128
VE2NUJ	14	369	20	5	4
VE3DUS	A	251,729	761	45	94
VE3GCE	142,560	331	57	105	
VE3IR	100,833	237	68	115	
VE3JCV	41,587	208	36	55	
VE3IRN	280	17	5	3	
CY3BBH	21	43,700	212	22	54
CY3EDC	14	399,663	1276	34	87
VE3ODX	248,490	882	32	78	
		(Opr. VF1AI.3)			
VE3ENM	14	168,696	675	28	71
CY3IXE	7	180,978	895	26	67
VE3IPR	4878	140	8	10	
CY3BMV	3.5	102,828	575	22	60
VE3ABG	1.8	504	35	4	4
CY4YV	A	136,876	909	36	40
VE4RF	122,917	564	40	61	
CY4UO	65,270	542	32	29	
VE4XJ	14	88,021	372	26	64
VE5RG	A	1,033,854	2101	91	131
CY5RA	28	15,972	165	17	27
VE6LU	A	214,848	434	72	120
VE6MP	138,006	613	42	57	
VE6AYI	14	188,856	922	24	62
VE6KW	164,592	804	24	57	
CY6APN	17,982	210	16	21	
CY7CC	A	1,049,965	1936	96	133
VE7AV	103,132	477	20	52	
VE7I	19,446	168	24	18	
VE7CRW	21	784	65	4	3
VE8CC	14	74,932	588	19	33
CANAL ZONE					
K25FR	14	251,009	1100	31	66
CAYMAN IS					
ZF2AH	A	103,323	546	48	45
		(Opr. W6VNR)			
ZF2AD	22,392	306	19	17	
		(Opr. K3MBF)			
CUBA					
CM2HB	7	22,534	283	14	24
HIBMDG	A	261,443	1061	48	71
HIBLC	14	39,092	299	20	38
GREENLAND					
DX30A	A	368,760	1176	49	91
DX3RA	103,552	445	37	69	
GUANTANAMO BAY					
KG400	A	220,860	1216	38	52
HONDURAS					
HR1AT	14	25,709	260	17	30
MEXICO					
XE1AN	A	1,456,442	2267	103	175
		(Opr. N5J)			
XE1VV	585,984	1632	71	97	
XE2MX	156,860	755	40	52	
PANAMA					
HP1AC	A	30,875	206	28	37
PUERTO RICO					
KP4RF	A	3,732,350	3507	122	303
		(Opr. N6CJ)			
KP4OKX	21	71,691	434	20	49
U.S. VIRGIN IS					
KV4FZ	7	371,628	1436	26	85
AFRICA					
Canary Islands					
EA8ID	A	194,090	509	41	39
		(Opr. K4YT)			
EA8URE	28	47,700	268	16	44
EGYPT					
OH6NO/SU	A	394,356	751	45	132
KENYA					
5Z4CW	14	29,526	174	20	37
MADEIRA ISLANDS					
CT3/OH1TV	3.5	223,364	1066	19	57
REPUBLIC OF SOUTH AFRICA					
ZS6WV	A	2,131,200	2376	91	209
ZS2CW	68,310	255	33	57	
ZS5CP	54,000	240	28	47	
RIHODESIA					
ZE3JO	A	103,059	315</		

