Results: 1954 World Wide DX Contest

The 1954 World-Wide DX Contest, like many similar operating events, was accompanied by uncertain propagation conditions. During the CW weekend, they ranged from very poor to fair; during the phone weekend, they were almost without exception poor. As a result, scores and activity reflect in a direct ratio these conditions.

The World-Wide DX Contest has been operated for the past several years by the International DX Club, a group of amateurs who banded together primarily to perpetuate the operating activity. The 1955 event will again be taken over by *CQ* magazine and run as a *CQ*-sponsored activity. It may be expected, therefore, that publication of results and dissemination of awards will be quicker. However, in reviewing the thousands of logs that were received for the 1954 Contest, full credit should be given to the small handful of IDXC members who untirelessly devoted their time and effort to preparing this resume.

All logs were checked and scored by the Contest Committee of the Potomac Valley Amateur Radio Club. This in itself was a tremendous task, since a very small percentage of the logs received were properly scored. It is earnestly hoped that participants in future events will relieve the committee of this chore by using the standard reporting forms recommended in the October writeup.

Tabulating the scored logs, and in charge of the multitude of details in setting up the various winning categories, was W9VW, Hal Brooks, a well-known DX man whose activities have been greatly curtailed by his attention to the World-Wide DX Contest. W9VW was assisted by W9IOP.

The World-Wide DX Contest has evolved as an outstanding event because it has permitted the foreign amateur to exchange contest contacts with other DX hams, rather than limiting them exclusively to contacts with the United States and Canada. It is an event not meant to replace the well-known ARRL DX Contest, but rather to provide a supplementary activity of an entirely different nature. The huge foreign participation is a strong indication that it is an operating activity looked forward to by DX men everywhere. With greater publicity and wider dissemination of the rules, it is expected that this event will continue to increase in popularity, attracting more new countries and rare prefixes and foreign amateurs who might otherwise have stayed out of any contest and deprived Americans of an opportunity to work them.

In order to permit complete details of the Contest to be published, the writeup and photographs have been kept to an absolute minimum. Tabular boxes for the different winning categories give you a quick appraisal of who did best in each area. Of particular significance is the domination of this event by the 4X4 amateurs located in strategically placed Israel. For a number of years now, Israeli amateurs have dominated the high scores. Ideally located to take advantage of openings on all bands, they have combined their geographic advantage with superb operating performances.

World high is **4X4DX,** Sam Monastirsky located at the Lydda Airport. Operating the full forty-eight hours of the CW weekend, Sam used a 125-watt VFO-controlled transmitter. On 80 and 40 he employed a half-wave dipole; on 20 a ZL special; on 15 a folded dipole and a ground plane, and on 10 a 3-element rotary. The receiver was an SX28 with a preselector converter. Operation was on all bands from 80 through 10. Eight hundred and twenty-nine QSO's with a multiplier of 185 added up to the corrected score of 597,065.

Second world high and an outstanding score in its own right is that of **4X4RE.** Egon used a 250-watt transmitter, an SX28, HRO7, HQ129X and various half-wave antennas. Over 673 contacts with a multiplier of 223 added up to this outstanding performance.

In preparing a summary of a contest which created as much foreign activity as did the World-Wide DX Contest, it is difficult not to give credit to many of the outstanding scores that made it a good event for the Americans. For example: **SP3AN,** with 134,000 points. Wes lost almost a fourth of the time with transmitter bugs and promises bigger and better things next contest. No contest would be complete, of course, without the big score from **OK1MB.** In case you are wondering what casts

World High Phone Scores
Single Op

1.	CN8MM	276,488
2.	4X4DK	275,110
3.	PY2CK	222,326
4.	VQ4RF	207,908
5.	W1ATE	176,881
6.	OQØDZ	163,056
7.	W6YY	139,500
8.	PY2AHS	127,865
9.	DL1AU	121,636
10.	G3AWZ	117,900

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OZ7BG with 113,000 points promises greater activity than ever next time when he gets his beams up. **G6PD** with 140,000 points sparks what everybody hopes is a resurgence of DX Contest activity from the Empire stations. **PAØUN,** 140,000 points and a long-time contest standby. **DL1AU,** a top winner on both phone and CW, and one of the only amateurs to turn in the trick in the 1954 Contest. Helmut uses a ganged one-knobbed, tuned bandswitching transmitter, running 150 watts. A double conversion, crystal controlled homemade super completes the station. Antennas are beams and long wires.

FA8DA with a consistently fine signal turned in 177,000 points. **4X4DE** with 371,000 points would have been high score in virtually any country except Israel. It is still an outstanding score. **DU7SV** with 130,968 points, well represented the Philippines where activity, unfortunately, is at a low ebb. **ZL1BY** with 172,312 points and **KA6IJ** were so close to each other for top honors in Oceania that mention certainly should be made of the scores. **PJ2AA** gave a lot of Europeans their first crack at this country and ended up with 62,000 points. **VQ4RF** with an outstanding signal throughout almost the entire contest ended up with 157,312 points. **OQ5GU,** another standout signal with 151,900 points, and of course, **EA9DF** with 149,490 points who keeps a rare country well represented on the air. The same thing holds true for **EA9AP** with 138,575 points who has made Spanish Morocco a surefire contact for every DX man. **HZ1HZ** with 124,389 points kept this rare country on the air throughout most of the Contest. With the Japanese amateurs getting more active all the time, **JA3AF** was high score this year with 61,054 points. High from Australia, none other than well-known DX man **VK2GW,** and what contest would be complete without an outstanding score from **CE3AG**? Luis, presently touring in the United States, will probably not be home in time for the 1955 Contest, a signal that will be missed by everyone. Lebanon, represented by **OD5LX** with 144,250 points, gave many a DXer a new country. **KP4JE** with 127,942 points provided Puerto Rico for 543 DX men. **YV5AB,** 112,222 points ensured Venezuela for many contestants.

Among the Americans there were none surprised to see **W4KFC; W4HQN** with Len Chertok, **W3GRF,** operating; **W8JIN, W2WZ** and **W6ITA,** all out on top. All of the top Americans worked all bands, 80 through 10, and 4KFC and 8JIN and 4HQN also worked 160. Each ran a kilowatt and all of them used elaborate receiving and transmitting setups. Between these top five American scores, you will find a houseful of Collins and National receivers, V beams, 3-element rotaries, ground

World High CW Scores
Single Op

1.	4X4DX	597,065
2.	4X4RE	479,896
3.	CE3AG	402,210
4.	4X4DE	371,346
5.	DL1AU	310,128
6.	W4KFC	308,812
7.	W2WZ	302,175
8.	W8JIN	301,096
9.	W4HQN	298,100
10.	OK1MB	268,191

planes, and needless to say, sympathetic and devoted families.

In the multiple-operator CW group, one battle is particularly noteworthy, that of **W6AM** and **W6YMD.** W6YMD with 193,584 points just nosed out W6AM with 191,364 points, a real battle of the giants. **W9VW** teamed up with **W9IOP** for 88,000 points, but it wasn't even half good enough to beat **W9AVJ** and their group operating from the old location of W9LM. Perhaps they didn't want to make too much work for themselves in tabulating these results.

Phone

The phone men, facing generally poor conditions, worked extremely hard for their big scores. The two Americans who were among the top ten world high scorers deserve special accolades, because with phone band subdivisions as they are, the DX stations have every possible advantage.

The race for world high between **CN8MM** and **4X4BK** is most unusual in that only 1,500 points separated the two tremendous scores. In submitting his score, CN8MM gave little information on the station, but the log itself i

Single Operator Phone Winners

North America	
W1ATE	176,881
South America	
PY2CK	222,326
Europe	
DL1AU	121,636
Oceania	
ZL1BY	60,480
Africa	
CN8MM	276,488
Asia	
4X4DK	275,110

Leading W Single Op Scores By District

CW

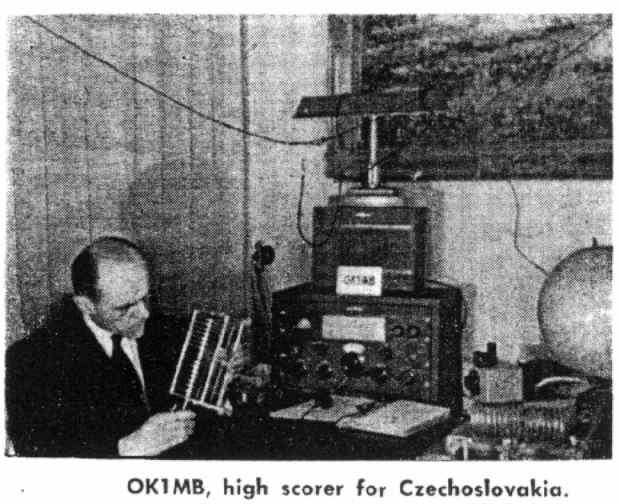
W1ODW	55,955
W2WZ	302,175
W3JTK	134,232
W4KFC	308,812
W5ZD	48,910
W6ITA	215,058
W7PQE	63,290
W8JIN	301,096
W9HUZ	77,408
WØDAE	75,069

PHONE

W1ATE	176,881
W2SKE	111,860
W3VKD	43,250
W4OM	36,188
W5LFG	10,703
W6YY	139,500
W7QDI	2,482
W8JIN	45,640
W9NDA	33,744
WØGEK	2,412

eally all the evidence that is required as to oth the opertaor's proficiency and his equipnent's performance. Perhaps, on phone more o than on CW, performance on the low frequency bands by DX stations is amazing. Prefixes rarely, if ever, heard in the states are commonplace with excellent reports on the low requency bands. 4X4BK did not accompany his log with the details on station description, either, and again leaves the log as testimony o his performance.

PY2CK third world high and not far behind he two leaders is, of course, a well-known contest DX man. Jayme used a kilowatt on 7, 14, 21, and 28 megacycles, a Collins 75A3, three elements on 20 meters, two elements on 15 meters, four elements on 10 meters, and a ground plane on 40. With activity down in South America this year, he was a welcome multiplier for many contestants.



OK1MB, high scorer for Czechoslovakia.

The fine performance of **VQ4RF** is notable for another reason that he is an outstanding CW operator and has demonstrated his versatility equally on phone. **OQØDZ** in Ruanda-Urndi set many a DX man's heart pounding, using a 100-watt transmitter, a 4-element rotary. **W8JK** on 10, 15 and 20 meters, and a T2FD on 40 with a 75A3 kept his frequency humming at all times. Unfortunately, he will be in Europe during the 1955 Contest and not participating. Operating from a gasoline generator, **OQØDZ** deserves considerable credit for his performance.

PY2AHS, DL1AU and **G3AWZ** all closely grouped together for 8th, 9th and 10th world high phone scores are an indication that greater participation in their particular countries would surely have added up to some big scores. As mentioned elsewhere, DL1AU was 5th world high on CW and, thus, is the only participant to lead his continent on both phone and CW.

A word about **ZL1BY** whose 60,480 points made him a leader for his part of the world. So many of us have come to think of him as a CW man only that it's refreshing to see him turn in this very respectable A3 score.

As for the sturdy band of Americans with outstanding scores on phone, **W1ATE** is an old and respected contestant, generally at the top. Extremely poor conditions, particularly on 28 and 21 megacycles, greatly hampered performance on these bands. Using essentially the same equipment as previously, three separate 1-kilowatt finals with push-pull 250TH's, driven by a 32V1, and a 75A3 receiver. Chad's greatest asset outside of his operating ability, remains the outstanding antenna setup. Because it is hoped to treat all of the outstanding American contestants in greater detail in a separate article, space will not be devoted to a description in this writeup.

On the West Coast, **John Knight** has earned himself a reputation that would be tarnished if he did less than lead the pack on phone. On the West Coast low frequency conditions were extremely poor, but fair on 10, 15 and 20. With separate kilowatts on each band, driven by a 32V3, 75A2 receiver, HRO60, with DB23 preselectors, John also has an antenna array that is no less impressive than W1ATE. Of particular interest is the vertical top-loaded antennas used on 160, 80 and 40, with rotaries on all other bands.

W2SKE, Bill Leonard, who only recently has become greatly interested in contest work, was operating from the location of **W2HJR.** The transmitter was a KW1 with 75A3 receiver, and antennas again in the category of a ham's dream. Here, too, nothing less than a com-

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plete description would satisfy DX-minded hams and such a description will be forthcoming in a later issue.

Following the top three American phone scores, there were some pretty big gaps, but credit nevertheless goes to leaders in all districts. Of note is the score of **W3LOE,** 47,838 points. Bob, a long time CW participant, and occasionally on phone, indicates that time and locations permitting he is still a factor to be reckoned with. **W3VKD** with **W3WPY** operating for 43,250 points is a comparatively new call to the contest ranks. **W4OM** and **W8JIN,** as well as **W9NDA,** are all well known to the DX ranks, and in each instance have earned a solid reputation on CW, indicating that they are well-rounded contest men.

The multiple-operator phone men were completely dominated by five scores. Leading the competition in the United States was perennial contest champion **W6AM,** operating with the assistance of **W6KPC, W6KSF,** and **W6YMD.** No change in the operating setup, which continues to be one of the outstanding in the United States. Don's equipment will also be described in greater detail in the future article.

W9AVJ operated by **W9GVZ, W9NAM,** and **W9PKW** with 28,784 points proves that it is possible to do something from the Mid-West in an international competition. W9AVJ's station will also be covered in subsequent write-ups.

An outstanding score from Europe is that of **F7BM** with 208,725 points, operated by **K2JCS** and **W4YDF.** F7BM used only a Viking 1 running 50 watts input, a Collins 51J, an RCA AR88 receiver, coupled to a 3-element rotary on 15 and 20, and folded dipoles on 40 and 80 provided the radiating systems. With conditions comparatively poor, this is a truly outstanding performance.

From Ecuador, two top-notch scores. One from **HC2JR,** 193,734 points with operation principally confined to 20 and 15 meters. The transmitter was a Collins 32V3, receiver a 75A3, and 3-element beams. The second op was **HC8GI.** In the same country Will Boyd, **HC1MB,** turned in a score of 141,700 points. A poor European opening cut down multipliers and contacts pretty badly. Operators at HC1MB were **HC1CB, HC1ET,** and of course, Will himself. 32V2's driving a 250TH was used on 20, a BC610 on 20 and 40, 32V2 on 10 and 15, and a B&W 5100 on 10 and 15. 75A3 and NC183D receivers, both with RME DB23's ahead of them, 2-element rotaries on 15 and 20, 3-element on 10, 40-meter vertical grouping ground plane, and a 40-meter doublet comprise the station equipment. A real ham's paradise with a prefix that's much in demand for a QSO, backed up by solid operating, HC2JR and HC1MB show what two outstanding stations can do to put a single country on the map.

Because space does not permit a detailed description of all of the outstanding stations, subsequent issues of *CQ* will carry special articles devoted to detailed descriptions of the equipment and personalities of the winning American stations. If this feature proves popular, at a later date it will be extended to include the outstanding foreign stations, who they are, what they do for a living, what their equipment looks like.

The success of any contest is based solely upon the interest shown by the participants and DX men everywhere who find the International DX Contest a stimulating activity should be certain to pass on their comments to the Contest Committee and encourage participation by foreign stations. Good luck in future events.

A complete listing of the scores of all stations that entered logs for the contest will be found on pages 88 and following.

Multiple Operator CW Winners

North America	
W4KVX	214,200
South America	
LU8ABL	75,552
Europe	
I1BDV	136,160

Multiple Operator Phone Winners

North America	
W6AM	98,100
South America	
HC2JR	193,734
Europe	
F7BM	208,725
Oceania	
KR6OO	12,364

Single Operator CW Winners

North America	
W4KFC	308,812
South America	
CE3AG	402,210
Europe	
DL1AU	310,128
Oceania	
KH6IJ	178,932
Africa	
FA8DA	177,828
Asia	
4X4DX	597,065

1954 World Wide DX Contest CW Single Operator Scores

United States

All Band

W1ODW	55,955
W1RST	360

3.5 Mc

W1RWP	589
W1WY	99
W1ODW	28

7 Mc

W1ODW	550
W1WMH	16
W1RST	6

14 Mc

W1JDE	28,160
W1ODW	18,976
W1LLQ	2,730
W1HOL	1,728
W1AWE	1,651
W1RST	273

21 Mc

W1ODW	6,240

28 Mc

W1ODW	192

All Band

W2WZ	302,175
K2EDL	59,343
W2EQS	37,050
W2AZS	24,174
W2GKE	7,316
W2KTF	3,243
W2SDB	2,337
K2EVH	360
W2LYL	154

3.5 Mc

W2SAI	8,736
W2WZ	1,548
K2EDL	1,124
W2EQS	304

7 Mc

K2EDL	30,294
W2WZ	10,778
W2HSZ	6,768
W2OTC	3,080
W2EQS	1,560
W2CAG	266
W2SDB	195
W2KTF	90
K2EVH	56
W2LYL	48

14 Mc

W2SUC	87,210
W2WZ	72,105
W2BBV	38,220
W2AZS	19,720
W2EQS	4,816
W2TXB	4,080
W2GKE	3,827
W2DTL	2,574
W2KTF	2,242
W2QKJ	1,653
W2SDB	1,144
W2YPQ	260
K2EVH	132
W2LRJ	130
W2PAU	40
W2CVW	36

21 Mc

W2WZ	18,675
W2EQS	2,697
K2EDL	881
W2GKE	552
W2PZI	338
W2AZS	176
W2LYL	30

28 Mc

W2EQS	81

All Band

W3JTK	134,232
W3KVD	92,787
W3KDP	70,152
W3OCU	51,198
W3EIV	40,128
W3FMJ	28,260
W3NCF	8,127
W3AEL	6,102
W3HVM	3,431
W3YIV	1,020

3.5 Mc

W3EIS	1,440
W3OCU	728
W3JTK	588
W3FMJ	110
W3KDP	72
W3VKD	42
W3EIV	42

7 Mc

W3MSK	35,945
W3JTK	23,725
W3EIV	7,420
W3POE	5,337
W3OCU	4,230
W3VKD	1,747
W3KDP	1,500
W3HVM	520
W3FMJ	88
W3NCF	48
W3AEL	15
W3YIV	12

14 Mc

W3LOE	119,574
W3JTC	82,720
W3VKD	23,530
W3OCU	20,368
W3FMJ	20,128
W3KDP	18,354
W3VRJ	8,151
W3NCF	6,765
W3ADZ	6,678
W3AEL	5,390
W3FMC	4,116
W3ANZ	2,325
W3EIV	1,952
W3HVM	1,269
W3YIV	806

21 Mc

W3JTK	12,978
W3VKD	7,399
W3KDP	6,384
W3EIV	3,880
W3MDO	144

28 Mc

W3VKD	63

All Band

W4KFC	308,812
W4HQN	298,100
W4YHD	121,290
W4NBV	25,579
W4JAT	19,166
W4JBQ	6,732
W4BTO	3,483
W4GF	2,109
W4BYJ	851
W4YZC	704
W4DXL	648
W4HJK	266

3.5 Mc

W4HQN	1,735
W4KFC	1,551
W4YHD	285
W4HJK	4

7 Mc

W4YHD	18,825
W4HQN	14,204
W4KVX	13,862
W4KFC	13,130
W4BTO	1,800
W4NBV	1,161
W4JAT	273
W4YZC	176
W4BYJ	88
W4GF	72
W4BXV	45
W4ZOK	8
W4DXL	8
W4JBQ	4

14 Mc

W4KFC	58,092
W4HQN	50,406
W4HYD	26,643
W4JAT	14,518
W4NBV	11,607
W4JBQ	6,240
W4GF	1,392
W4VRT	897
W4BYJ	390
W4BTO	273
W4HJK	204
W4YZC	156
W4CVX	156
W4DXL	25

21 Mc

W4HQN	18,915
W4KFC	18,150
W4EEO	1,568
W4YHD	726
W4DXL	300
W4CER	210
W4NBV	192

28 Mc

W4KFC	48
W4HQN	32

All Band

W5ZD	48,910
W5CKY	11,907
W5KUJ	5,360
W5QF	4,998

3.5 Mc

W5ZD	236
W5CKY	76
W5QF	2

7 Mc

W5ZD	6,808
W5CKY	1,836
W5HPV	1,598
W5KUJ	72

14 Mc

W5KUJ	5,044
W5WQN	4,719
W5ZD	4,144
W5CKY	2,772
W5HDS	640
W5AWT	380
W5QF	78

21 Mc

W5QF	3,608
W5ZD	3,256
W5ZWR	726
W5CKY	2

All Band

W6ITA	215,058
W6RW	103,136
W6VUP	62,304
W6NZW	58,776
W6ALQ	50,976
W6BUD	33,088
W6ULS	21,903
W6MBA	15,820
W6NKR	15,708
W6QD	13,271
W6MGT	12,032
W6ATO	11,658
W6IPH	11,605
W6HJK	11,396
W6GWQ	11,152
W6CAE	10,988
W6MHB	10,752
W6TMX	10,422
W6HJ	7,581
W6BYH	7,381
W6ID	7,276
W6QPM	6,165
W6BIL	5,535
W6YC	3,990
K6DCE	3,910
W6EFV	3,901
W6QDE	3,026
W6EFR	2,135
W6EJA	546
K6BEC	285

3.5 Mc

W6BUD	588
W6ALQ	418
W6RW	338
W6ITA	187
W6GWQ	45
W6EFR	24
W6VUP	20
W6NZW	15
W6NKR	12
W6CAE	2

7 Mc

W6ITA	13,566
W6VUP	12,595
W6TKX	11,357
W6NZW	9,945
W6OYD	9,744
W6MHB	8,880
W6NKR	8,280
W6RW	8,225
W6QJI	8,096
W6ULS	7,525
W6ALQ	3,751
W6TMX	2,472
W6MGT	2,349
W6AIL	2,250
W6CAE	2,170
W6IPH	2,088
W6HJK	1,736
W6ATO	1,701
W6MBA	1,186
W6UJ	1,040
W6ID	1,008
W6BYH	792
W6QDE	690
W6QD	551
K6DCE	492
W6YC	433
W6EJA	342
W6BUD	315
W6BIL	266
W6GWQ	221
W6QPM	90
W6EFV	42
K6BEC	10

14 Mc

W6ITA	39,500
W6CUQ	29,008
W6DZZ	26,220
W6RW	20,498
W6VUP	17,138
W6ALQ	12,098
W6EPZ	11,343
W6NZW	9,312
W6QD	8,216
W6MBA	7,920
W6BUD	7,280
W6QPM	4,758
W6FYM	4,752
W6ATO	4,444
W6MGT	3,737
W6BIL	3,224
W6CAE	3,030
W6TI	3,010
K6DCE	2,136
W6EFV	1,984
W6GWQ	1,848
W6TMX	1,771
W6IPH	1,617
W6YC	1,600
W6ULS	1,596
W6ID	1,590
W6BYH	1,472
W6NKR	836
W6QDE	817
W6HJK	697
W6EFR	299
W6MHB	56
K6BEC	28
W6WNX	24
W6EJA	16

21 Mc

W6ITA	10,780
W6BYB	5,586
W6RW	4,140
W6UED	3,850
W6FUF	3,744
W6HJ	2,883
W6HJK	1,479
W6NZW	1,456
W6GWQ	1,344
K6DCE	630
W6BUD	589
W6ALQ	572
W6EFR	464
W6ULS	405
W6BYH	336
W6ZPH	288
W6ID	168
W6EFV	120
W6TMX	91
K6BEC	60

28 Mc

W6ITA	527
W6RW	18
W6EFR	6
W6GWQ	3

All Band

W7PQE	63,290
W7DAA	23,395
W7NLI	19,838
W7AJS	19,656
W7DYQ	18,164
W7CNM	15,652
W7QDJ	10,366

3.5 Mc

W7PQE	513

United

W7NLI
W7AJS
W7QDJ
W7CNM

7 Mc

W7ASG
W7PQE
W7JLU
W7NLI
W7DYQ
W7DAA
W7QDJ
W7CNM
W7AJS

14 Mc

W7VY
W7HXG
W7PQE
W7DAA
W7AJS
W7PSO
W7DYQ
W7CNM
W7AC
W7NLI
W7QDJ

21 Mc

W7AHX
W7NLI
W7QDJ
W7CNM
W7PQE
W7DYQ
W7DAA

28 Mc

W7QDJ

All Band

W8JIN
W8YIN
W8HHR
W8DAE

3.5 Mc

W8AQ
W8JIN
W8YIN
W8DAE

7 Mc

W8KIA
W8JIN
W8DAE
W8YIN
W8HHR

14 Mc

W8BRA
W8JIN
W8STL
W8HMI
W8YIN
W8KC
W8NVJ
W8HHR

21 Mc

W8JIN
W8YIN
W8HHR

28 Mc

W8YIN
W8JIN

All Band

W9HUZ
W9VUL
W9ABA
W9UKG
W9PNE
W9VOD
W9RKP
W9GWK
W9FKC
W9SZR
W9SDK
W9WJV

3.5 Mc

W9HUZ
W9VUL
W9PNE

14 Mc

W9FJB
W9HUZ
W9VUL
W9WKU
W9UKG
W9VOD
W9RKP
W9SZR

Scores

2,170
2,088
1,736
1,701
1,186
1,040
1,008
792
690
551
492
433
342
315
266
221
90
42
10

39,500
29,008
26,220
20,498
17,138
12,098
11,343
9,312
8,216
7,920
7,280
4,758
4,752
4,444
3,737
3,224
3,030
3,010
2,136
1,984
1,848
1,771
1,617
1,600
1,596
1,590
1,472
836
817
697
299
56
28
24
16

10,780
5,586
4,140
3,850
3,744
2,883
1,479
1,456
1,344
630
589
572
464
405
336
288
168
120
91
60

527
18
6
3

63,290
23,395
19,838
19,656
18,164
15,652
10,366

513

CW Single Operator, Cont'd.

United States

W7NLI	323
W7AJS	210
W7QDJ	40
W7CNM	18
7 Mc	
W7ASG	14,350
W7PQE	5,032
W7JLU	3,146
W7NLI	2,548
W7DYQ	2,322
W7DAA	846
W7QDJ	589
W7CNM	546
W7AJS	374
14 Mc	
W7VY	33,268
W7HXG	15,300
W7PQE	14,934
W7DAA	12,035
W7AJS	10,556
W7PSO	8,904
W7DYQ	4,386
W7CNM	3,136
W7AC	1,768
W7NLI	1,392
W7QDJ	1,197
21 Mc	
W7AHX	3,744
W7NLI	1,100
W7QDJ	1,032
W7CNM	1,025
W7PQE	920
W7DYQ	312
W7DAA	2
28 Mc	
W7QDJ	12
All Band	
W8JIN	301,096
W8YIN	34,060
W8HHR	3,139
W8DAE	1,120
3.5 Mc	
W8AQ	680
W8JIN	660
W8YIN	169
W8DAE	40
7 Mc	
W8KIA	15,252
W8JIN	9,071
W8DAE	700
W8YIN	54
W8HHR	30
14 Mc	
W8BRA	84,180
W8JIN	69,795
W8STL	21,567
W8HMI	18,368
W8YIN	8,778
W8KC	1,540
W8NVJ	1,260
W8HHR	110
21 Mc	
W8JIN	21,321
W8YIN	3,150
W8HHR	1,568
28 Mc	
W8YIN	120
W8JIN	15
All Band	
W9HUZ	77,408
W9VUL	66,400
W9ABA	24,920
W9UKG	10,268
W9PNE	3,848
W9VOD	3,168
W9RKP	2,898
W9GWK	2,166
W9FKC	1,836
W9SZR	1,200
W9SDK	837
W9WJV	775
3.5 Mc	
W9HUZ	140
W9VUL	132
W9PNE	72
14 Mc	
W9FJB	36,603
W9HUZ	29,024
W9VUL	15,640
W9WKU	12,351
W9UKG	5,716
W9VOD	2,016
W9RKP	1,276
W9SZR	1,190

United States

W9FKC	966
W9PNE	882
W9GWK	525
W9SDK	306
W9WJV	6
7 Mc	
W9ABA	3,729
W9VUL	2,560
W9HUZ	1,860
W9UKG	680
W9PNE	456
W9RKP	323
W9FKC	132
W9SDK	48
W9SZR	30
W9WJV	12
W9FLE	5
W9GWK	2
21 Mc	
W9ABA	9,352
W9VUL	4,370
W9HUZ	1,485
W9GWK	465
W9WJV	435
W9VOD	108
W9SDK	27
28 Mc	
W9HUZ	12
All Band	
WØDAE	75,069
WØNWX	41,022
WØRSL	14,022
WØANF	10,624
WØOKH	9,600
WØYCR	7,168
WØQDF	2,772
WØGAX	2,014
3.5 Mc	
WØNWX	392
WØDAE	378
WØYCR	108
WØOKH	49
7 Mc	
WØNWX	3,451
WØDAE	2,964
WØGAX	1,080
WØQDF	900
WØOKH	435
WØYCR	432
WØRSL	238
WØANF	12
14 Mc	
WØDAE	24,682
WØAZT	9,747
WØANF	9,512
WØRSL	8,673
WØNWX	5,085
WØOKH	2,176
WØQDF	480
WØYCR	312
WØGAX	112
WØVFM	77
21 Mc	
WØNWX	882
WØDAE	800
WØOKH	504
WØGOE	210
WØQDF	120
WØYCR	78
WØRSL	63
28 Mc	
WØNWX	72
WØDAE	56

Germany

All Band	
DL1AU	310,128
DL1ED	110,500
DL4ZC	109,198
DL1JW	105,600
DL2RO	86,400
DL1BR	84,609
DL7AA	81,700
DL1BZ	65,608
DL7BA	64,548
DL6WD	54,991
DL1EE	48,760
DL1YA	42,951
DL7CW	39,555
DL7DF	38,775
DL1QT	38,080
DL3OC	34,444
DL1AO	30,780
DL4UZ	28,665

CW Single Operator, Cont'd.

Germany

DM2ABK	26,676
DL6DF	26,316
DL7AD	18,952
DL6XX	15,897
DL1IN	15,323
DJ2AE	13,968
DL7BO	9,439
DL9EY	8,103
DL1LZ	5,992
DL6RQ	4,836
DJ1KC	4,165
DL4WY	1,739
DL1EV	1,625
DL1QO	1,353
DM2ACM	1,026
3.5 Mc	
DL7CW	7,562
DL1BR	3,160
DL6WD	2,697
DL1BZ	2,520
DL1JW	2,464
DL1AU	2,044
DL3OC	1,742
DL1ED	1,728
DL2RO	1,653
DL6DF	1,638
DL1YA	1,540
DL4ZC	1,428
DL9EY	1,225
DL1AO	1,224
DL1QT	1,116
DM2ABK	806
DL7AA	748
DL7BA	720
DL4OZ	182
DL4WY	117
DL1QO	8
DL6RQ	2
7 Mc	
DL6MK	12,255
DL1AU	12,032
DL6MK	11,984
DL1ED	9,174
DL1JW	8,910
DL4ZC	5,760
DL7BA	5,593
DJ1BZ	4,830
DL3OC	4,560
DL7AA	4,268
DL2RO	4,040
DL1YA	3,952
DL7CW	3,864
DL1BR	3,306
DL6WD	3,255
DJ2AE	1,770
DL1QT	1,485
DL1EV	1,131
DL1LZ	988
DL4UZ	950
DL6DF	902
DM2ABK	780
DL6RQ	684
DL6XX	665
DL7BO	608
DL1IN	304
DL1AO	300
DL4WY	117
DL9EY	110
DM2ACM	25
DL7AD	25
DL1QO	12
14 Mc	
DL1AU	51,624
DL4OR	42,705
DL4CZ	31,735
DL1EE	30,880
DL1BR	15,680
DL1JW	14,634
DL1QT	14,328
DL2RO	14,204
DL1ED	14,040
DL6WD	13,750
DJ1BZ	12,852
DL7AA	12,208
DL4UZ	10,648
DL1AO	8,159
DL6DF	7,008
DL7AD	6,480
DJ2AE	5,670
DL7CW	5,265
DL1IN	5,120
DL4IQ	4,060
DL3OC	3,740
DL1YA	3,680

Germany

DL7BA	3,441
DM2ABK	2,738
DL7BO	1,860
DL1LZ	1,320
DM2ACM	486
DL9EY	208
DL6RQ	110
DL6XX	77
DL1IQ	72
DJ2HI	48
DL1EV	36
DL4WY	21
21 Mc	
DL1AU	25,308
DL1EI	14,824
DL1DX	12,474
DL7BA	8,470
DL6XX	7,301
DL7AA	6,300
DL1ED	5,712
DL2RO	4,872
DL1BR	3,108
DM2ABK	2,856
DL1JW	2,848
DL7AD	2,673
DL1EE	1,924
DL1YA	1,710
DL7BO	1,176
DL1IN	1,092
DL6RQ	945
DL1AO	882
DL9EY	864
DL7CW	576
DJ1BZ	455
DL1QO	405
DL3OC	300
DL4CZ	231
DL4WY	216
DL4UZ	168
DL1LZ	72
DL6DF	48
DM2ACM	24
DL6WD	12
28 Mc	
DL6XX	24
DL1JW	3
DL1YA	3

Alaska

All Band	
W6PZ/KL7	17,336
KL7AWB	17,160
KL7FAF	9,108
KL7RZ	2,320
3.5 Mc	
KL7RZ	98
7 Mc	
W6PZ/KL7	1,674
KL7FAF	684
KL7RZ	88
14 Mc	
W6PZ/KL7	7,826
KL7BBY	5,450
KL7BAK	5,348
KL7FAF	4,704
KL7RZ	588
28 Mc	
KL7RZ	12

Algeria

FA8DA	177,828
FA3OA	38,799
3.5 Mc	
FA8DA	6,386
7 Mc	
FA8DA	18,216
FA3OA	1,674
14 Mc	
FA8DA	12,200
FA3OA	2,829
21 Mc	
FA8DA	9,019
FA3OA	5,883
28 Mc	
FA3OA	12

Azores

All Band	
CT2BO	7,910
3.5 Mc	
CT2BO	4
7 Mc	
CT2BO	1,440
14 Mc	
CT2BO	2,304

Angola

14 Mc

CR6CJ	10,922
CR6CS	9,390

Anglo-Egypt Sudan

All Band

ST2AR	55,335

7 Mc

ST2AR	3,705

14 Mc

ST2AR	24,232

Antarctica

All Band

LU1ZT	46,971

Argentina

All Band

LU5DDF	15,075
LU2RD	3,753

7 Mc

LU2RD	9

14 Mc

LU5AQ	26,000
LU3HR	5,160
LU5DDF	4,900
LU2RD	420

21 Mc

LU3EX	73,710
LU5DDF	4,320
LU2RD	1,076

Australia

All Band

VK2GW	90,882
VK3XK	30,256
VK2PV	17,538

3.5 Mc

VK3AHH	462
VK2GW	20
VK3XK	4
VK2PV	4

7 Mc

VK2GW	9,620
VK3XB	3,304
VK3XK	3,285
VK2PV	896

14 Mc

VK2GW	20,882
VK5HT	17,543
VK3XK	8,738
VK2PV	7,406
VK3HL	7,185
VK3CX	6,916
VK3KB	2,372
VK7RT	1,387

21 Mc

VK2GW	2,384
VK2PV	152
XK3XK	144

Austria

All Band

OE5JK	173,336
OE3SE	19,992
OE1WH	14,820
OE3VP	9,702
OE6RP	1,170

3.5 Mc

OE5JK	1,820
OE3SE	1,034
OE6RP	156

7 Mc

OE5JK	4,578
OE1WH	1,980
OE3VP	1,320
OE3SE	720
OE6RP	154

14 Mc

OE5JK	53,246
OE2SP	21,900
OE1WH	5,952
OE3VP	3,864
OE3SE	1,944
OE6RP	84

21 Mc

OE5JK	2,738
OE3SE	1,421

Bahama Is.

All Band

VP7NG	21,949
VP7NM	16,224

3.5 Mc

VP7NM	182

7 Mc

VP7NG	6,162
VP7NM	1,736

14 Mc

VP7NG	4,830
VP7NM	3,427

21 Mc

VP7NM	104

Belgium

All Band

ON4UK	8,514

3.5 Mc

ON4UK	224

7 Mc

ON4UK	130

14 Mc

ON4CK	15,879
ON4QX	5,236
ON4UK	858

21 Mc

ON4UK	1,220

Belg. Congo

All Band

OQ5GU	151,900
OQ5CP	86,880

7 Mc

OQ5GU	5,600
OQ5CP	720

14 Mc

OQ5GU	39,627
OQ5RA	30,051
OQ5CP	28,652

21 Mc

OQ5GU	12,544
OQ5CP	8,096

28 Mc

OQ5CP	2

Bermuda

All Band

VP9BM	56,924

3.5 Mc

VP9BM	333

7 Mc

VP9BM	5,604

14 Mc

VP9BM	2,822

21 Mc

VP9BM	7,316

Brazil

All Band

PY1ADA	43,332
PY1RW	27,300
PY4IE	25,848
PY1AZO	8,804
PY1LZ	2,467

7 Mc

PY1ADA	3,780
PY2BNX	2,646

14 Mc

PY7AN	83,808
PY5TH	16,104
PY1ADA	13,724
PY1ANR	6,909
PY1RW	3,520
PY1AZO	1,397
PY1LZ	493
PY4IE	234
PY4BR	221

21 Mc

PY4IE	17,920
PY1RW	10,640
PY1AZO	3,140
PY1LZ	1,974
PY1ADA	702

Canada

All Band

VE1ZZ	43,672
VE1EK	14,472
VE1CU	1,036

3.5 Mc

VE1ZZ	912
VE1EK	4

7 Mc

VE1ZZ	2,976
VE1EK	377
VE1CU	20

14 Mc

VE1ZZ	10,406
VE1EK	6,279
VE1HO	1,378
VE1CU	759

21 Mc

VE1ZZ	384
VE1EK	312

3.5 Mc

VE3IG	539

7 Mc

VE3AAZ	1,134

14 Mc

VE3IR	444

All Band

VE4RO	68,796

3.5 Mc

VE4RO	988

7 Mc

VE4RO	2,652

14 Mc

VE4RO	10,208
VE4PU	904

21 Mc

VE4RO	5,494

28 Mc

VE4RO	4

14 Mc

VE5RU	2,430
VE5PM	943

21 Mc

VE5TK	612

All Band

VO6U	16,016

7 Mc

VO6U	4

14 Mc

VO6U	13,068

All Band

VE7ZM	22,989

7 Mc

VE7ZM	918

14 Mc

VE7VC/7	26,532
VE7ZM	8,536

21 Mc

VE7ZM	774

Canal Zone

14 Mc

KZ5NB	780

Canary Is.

All Band

EA8BF	13,158

3.5 Mc

EA8BF	1,680

7 Mc

EA8BF	2,223

14 Mc

EA8BK	5,805
EA8BF	510

Chile

All Band

CE3AG	402,210
CE6AB	25,622

3.5 Mc

CE3AG	1,170

7 Mc

CE3AG	13,072

14 Mc

CE3AG	97,185

21 Mc

CE3AG	18,349

28 Mc

CE3AG	871

Cuba

All Band

CO8DL	18,920

7 Mc

CO8DL	4,778
CM7PT	318

14 Mc

CO8DL	5,106

Cyprus

21 Mc

XC4XA	19,492

Czechoslovakia

OK1MB	268,191
OK1HI	141,330
OK3IA	104,304
OK3DG	52,824
OK1AEH	23,300
OK1PI	22,908
OK1KTI	11,395
OK1KKR	9,150

3.5 Mc

OK1MB	5,115
OK3IA	4,836
OK1HI	4,212
OK1AEH	1,326
OK1KKR	120

7 Mc

OK1MB	26,414
OK1JX	15,576
OK1HI	9,322
OK1KKR	7,038
OK1KTI	6,864
OK1PI	5,338
OK1AEH	5,192
OK3IA	4,326

14 Mc

OK1MB	45,526
OK3IA	26,862
OK1HI	18,090
OK1PI	5,428
OK1AEH	1,920
OK1KTI	525

21 Mc

OK1HI	6,144
OK1MB	3,915
OK3IA	408
OK1PI	4

Denmark

All Band

OZ7BG	113,295
OZ2PA	71,520
OZ3PO	19,740
OZ2NU	5,076

3.5 Mc

OZ2PA	3,399
OZ2NU	2,756
OZ7BG	1,960
OZ3PO	1,326

7 Mc

OZ7BG	5,995
OZ2PA	3,136
OZ3PO	1,274
OZ2NU	350

14 Mc

OZ7BG	25,506
OZ2PA	4,452
OZ3PO	3,696
OZ7P	20

21 Mc

OZ2PA	7,420
OZ7BG	2,625
OZ3PO	12

Eire

All Band

EI9Y	34,408
EI9J	21,524

3.5 Mc

EI9J	2,720

7 Mc

EI9Y	918
EI9J	32

14 Mc

EI9Y	21,777
EI9J	533

21 Mc

EI9J	4,191
EI4Q	1,326

England

All Band

G6PD	140,220
G4CP	101,592
G3FXB	80,358
G2VD	68,016
G2AJB	22,134
G3DOG	3,608
G4TM	1,628

1.8 Mc

G2AJB	4

3.5 Mc

G3HWF	6,045
G6PD	4,662
G3FXB	2,108
G4CP	2,030
G2AJB	1,032
G2VD	1,000
G4TM	56

7 Mc

G2LU	12,012
G8KP	9,246
G4CP	6,837
G3FXB	6,192
G6PD	4,859
G3GEN	4,851
G2VD	4,080
G2AJB	2,755
G3DOG	1,440
G3JVJ	1,225
G4XC	722
G4TM	560

14 Mc

G2LB	70,200
G6PD	25,536
G4CP	18,280

G3FXB
G2VD
G3ITP
G2AJB
G4TM
G3DOG

21 Mc

G2BW
G3DCU
G6PD
G5HZ
G2VD
G3FXB
G4CP
G2AJB
G3DOG

Faero

All Band

OY2Z

7 Mc

OY2Z

14 Mc

OY2Z

Finl

All Band

OH2MQ
OH1NK
OH1PW
OH3RL
OH7NW
OH1PN
OH2YV

1.8 Mc

OH2YV

3.5 Mc

OH1PN
OH2YV
OH2MQ
OH3RL
OH1RX
OH1PW
OH7NW

7 Mc

OH2ZE
OH1NK
OH2MQ
OH1SM
OH6QP
OH3RL
OH7NW
OH1PW
OH1PN

14 Mc

OH2MQ
OH3RA
OH3RL
OH1PW
OH1NK
OH2OJ
OH7NW
OH9OB
OH3SS
OH2KG
OH3SE
OH1PN

21 Mc

OH1NK
OH3NY
OH2MQ
OH1PN

28 Mc

OH1PN

Fra

All Band

F9RM
F8OP
F8TM
F7CF
F9EP
F9XB

3.5 Mc

F9RM
F8OP
F8TM
F7CF

7 Mc

F8OP
F9RM
F8TM
F9EP
F7CF
F9XB

14 Mc

F9RM

26,414
15,576
9,322
7,038
6,864
5,338
5,192
4,326

45,526
26,862
18,090
5,428
1,920
525

6,144
3,915
408
4

ark

113,295
71,520
19,740
5,076

3,399
2,756
1,960
1,326

5,995
3,136
1,274
350

25,506
4,452
3,696
20

7,420
2,625
12

34,408
21,524

2,720

918
32

21,777
533

4,191
1,326

nd

140,220
101,592
80,358
68,016
22,134
3,608
1,628

4

6,045
4,662
2,108
2,030
1,032
1,000
56

12,012
9,246
6,837
6,192
4,859
4,851
4,080
2,755
1,440
1,225
722
560

70,200
25,536
18,260

CW Single Operator, Cont'd.

G3FXB 8,964
G2VD 8,560
G3ITP 5,124
G2AJB 936
G4TM 162
G3DOG 6

21 Mc
G2BW 9,352
G3DCU 8,360
G6PD 4,600
G5HZ 4,464
G2VD 4,080
G3FXB 3,977
G4CP 3,081
G2AJB 819
G3DOG 360

Faeroes Is.

All Band
OY2Z 368

7 Mc
OY2Z 20

14 Mc
OY2Z 209

Finland

All Band
OH2MQ 50,697
OH1NK 41,603
OH1PW 34,216
OH3RL 14,137
OH7NW 4,611
OH1PN 2,462
OH2YV 1,104

1.8 Mc
OH2YV 20

3.5 Mc
OH1PN 1,936
OH2YV 798
OH2MQ 768
OH3RL 84
OH1RX 48
OH1PW 30
OH7NW 15

7 Mc
OH2ZE 6,439
OH1NK 4,466
OH2MQ 2,976
OH1SM 1,632
OH6QP 375
OH3RL 360
OH7NW 195
OH1PW 4
OH1PN 2

14 Mc
OH2MQ 18,504
OH3RA 14,941
OH3RL 7,875
OH1PW 7,700
OH1NK 5,368
OH2OJ 3,354
OH7NW 2,415
OH9OB 1,952
OH3SS 1,539
OH2KG 450
OH3SE 49
OH1PN 2

21 Mc
OH1NK 4,080
OH3NY 340
OH2MQ 8
OH1PN 2

28 Mc
OH1PN 2

France

All Band
F9RM 64,665
F8OP 25,536
F8TM 15,300
F7CF 6,987
F9EP 6,237
F9XB 2,808

3.5 Mc
F9RM 3,379
F8OP 1,690
F8TM 1,512
F7CF 81

7 Mc
F8OP 3,010
F9RM 1,885
F8TM 960
F9EP 903
F7CF 450
F9XB 90

14 Mc
F9RM 13,364
F8OP 4,025
F8TM 2,388
F7CG 1,704
F7CF 1,350
F9EP 770
F9XB 740
F9RS 350

21 Mc
F9RM 1,104
F7CF 288
F9XB 234
F9EP 210

Fr. Equat. Africa

14 Mc
FQ8AT 113

Fr. Morocco

14 Mc
CN8IE 115,230

Fr. West Africa

All Band
FF8JC 55,045

Hawaii

All Band
KH6IJ 178,932
KH6MG 145,375
KH6PM 102,684
KH6WW 4,992

3.5 Mc
KH6MG 14,448
KH6IJ 8,970
KH6WW 4,896
KH6PM 1,547

14 Mc
KH6IJ 107,536
KH6PM 44,982
KH6MG 19,565
KH6WW 96

21 Mc
KH6MG 6,578
KH6PM 4,598

28 Mc
KH6MG 42

Honduras

7 Mc
HR1JZ 684

Hong Kong

All Band
VS6AE 12,592

7 Mc
VS6AE 581

14 Mc
VS6AE 4,356

21 Mc
VS6AE 252

Iceland

All Band
TF3MB 26,175
TF3AB 8,624

7 Mc
TF3AB 330
TF3MB 88

14 Mc
TF3BG 54,736
TF3MB 10,458
TF3AB 5,016

21 Mc
TF3MB 1,840

India

All Band
VU2JP 33,480

7 Mc
VU2JP 266

14 Mc
VU2JP 6,713

21 Mc
VU2JP 6,120

Israel

All Band
4X4BX 597,065
4X4RE 497,896
4X4DE 371,346
4X4FW 54,834

7 Mc
4X4DE 60,204
4X4BX 38,024
4X4RE 27,456
4X4FW 13,002

14 Mc
4X4BX 75,012
4X4RE 67,396
4X4DE 42,780
4X4FW 14,227

3.5 Mc
4X4BX 14,000
4X4RE 6,180
4X4DE 2,583

21 Mc
4X4BX 31,049
4X4RE 22,736
4X4DE 8,892

28 Mc
4X4BX 24

Italy

All Band
I1ALU 103,342
I1TT 24,000
I1BUQ 19,527

3.5 Mc
I1ALU 1,272

7 Mc
I1ALU 4,608
I1IT 1,950
I1BUQ 247

14 Mc
I1BUQ 12,404
I1ALU 11,180
I1IT 3,520
I1SXZ 2,610

21 Mc
I1ALU 11,448
I1IT 2,522

Japan

JA3AF 61,054
JA1BI 24,624
JA3AA 21,060
JA4BB 8,010
JA1SR 2,573
JA2AA 2,544
JA1AB 1,640
JA1BC 1,526
JA8AQ 1,232
JA1AFF 352
JA1ACA 346

3.5 Mc
JA1AS 48

7 Mc
JA4BB 6,183
JA3AF 5,925
JA1BI 5,112
JA3AA 4,656
JA1BC 752
JA2AA 641
JA1AB 368
JA1SR 108
JA1AFF 30

14 Mc
JA3BB 22,152
KA3RR 20,230
JA6AD 20,041
JA3AF 17,342
KA2AS 15,529
KA3SV 9,275
JA1BI 7,227
JA7BO 3,808
JA7AD 3,625
JA4BB 2,793
KA2DS 2,262
JA3AA 1,764
JA1SR 1,625
JA2AB 1,620
JA1AB 432
JA2AA 405
JA1AFF 217
JA8AQ 210
JA1ACA 180
JA1BC 130

21 Mc
JA1CO 2,499
JA4BB 1,320
JA3AF 1,296
JA3AA 1,095
JA8AQ 504
JA1CJ 270
JA1ACA 24

Kenya

All Band
VQ4RF 157,312

14 Mc
VQ4RF 43,289

21 Mc
VQ4RF 34,980

Lebanon

All Band
OD5LX 144,250
OD5AV 80,085

3.5 Mc
OD5LX 230

7 Mc
OD5LX 11,616

14 Mc
OD5AV 50,400
OD5LX 35,812

21 Mc
OD5AV 3,420
OD5LX 2,352

Leeward Is.

All Band
VP2KB 2,574

7 Mc
VP2KB 590

14 Mc
VP2KB 696

Mexico

21 Mc
XE1PJ 56

Mozambique

14 Mc
CR7LU 6,845

Netherlands

All Band
PAØUN 140,748
PAØSPR 103,075
PAØTAU 99,940
PAØVB 65,485
PAØUV 23,859
PAØHJK 10,899
PAØWAC 10,556
PI1RRS 9,900
PAØHP 8,990
PAØQT 5,985
PAØZV 5,050
PAØRL 1,060

3.5 Mc
PAØGIN 6,055
PAØUN 2,848
PAØSPR 2,666
PAØHP 2,660
PAØTAU 2,449
PAØVB 2,117
PAØWAC 900
PI1RRS 874
PAØUV 735
PAØQT 494
PAØWKL 102
PAØRL 35

7 Mc
PAØGER 9,282
PAØUN 7,920
PAØSPR 6,125
PAØTAU 5,940
PAØNIC 5,805
PAØOI 4,879
PAØVB 3,081
PAØTA 2,492
PAØUV 1,274
PI1RRS 595
PAØQT 323

14 Mc
PAØSPR 22,470
PAØUN 19,575
PAØTAU 12,537
PAØVB 9,960
PAØUV 8,164
PAØZL 5,049
PAØWAC 4,502
PAØAGA 3,597
PI1RRS 2,070
PAØHP 1,829
PAØQT 1,350
PAØRL 1,104
PAØRZL 30

21 Mc
PAØKX 10,148
PAØUN 8,120
PAØTAU 5,460
PAØVB 3,367
PAØSPR 1,311

Neth. W. Indies

All Band
PJ2AA 62,238
PJ2AI 23,547
PJ2AJ 3,150

3.5 Mc
PJ2AA 450

7 Mc
PJ2AI 1,053
PJ2AA 864
PJ2AJ 135

14 Mc
PJ2AN 9,455
PJ2AI 6,264
PJ2AA 3,150
PJ2AJ 588

21 Mc
PJ2AA 16,218
PJ2AI 1,672
PJ2AJ 351
28 Mc
PJ2AA 168

New Caledonia

All Band
FK8AO 33,618
3.5 Mc
FK8AO 10
7 Mc
FK8AO 1,350
14 Mc
FK8AO 14,584
FK8AE 613
21 Mc
FK8AO 480

New Zealand

All Band
ZL1BY 172,312
ZL2GS 89,890
ZL1MQ 73,350
3.5 Mc
ZL1BY 1,104
ZL1MQ 630
7 Mc
ZL1BY 13,788
ZL2GS 11,424
ZLM2MM 10,875
ZL3LL 9,287
ZL1MQ 2,640
14 Mc
ZL1BY 25,928
ZL1MQ 18,477
ZL3AB 15,314
ZL2GS 14,878
ZL2GX 9,234
ZL1ACO 4,809
21 Mc
ZL1BY 7,414
ZL2GS 4,608
ZL1MQ 1,469
28 Mc
ZL1MQ 120
ZL1BY 60

North Ireland

All Band
GI3IVJ 14,973
3.5 Mc
GI3IVJ 396
7 Mc
GI3IVJ 943
14 Mc
GI3IVJ 798
21 Mc
GI3IVJ 756

Norway

All Band
LA6U 25,833
LA3Y 11,560
LA7C 6,344
LA4ND 5,520
LA2Q 3,108
LA7KA 2,170
LA1RD 2,091
LA6FA 943
LA3LC 494
LA7AA 420
LA9T 320
3.5 Mc
LA6U 1,344
LA2Q 350
LA7C 176
LA3LC 42
LA1RD 2
7 Mc
LA6U 4,712
LA3Y 1,350
LA7C 832
LA7KA 195
LA2Q 108
LA3LC 78
LA1RD 72
LA6FA 2
14 Mc
LA6U 5,712
LA3Y 3,552
LA5QC 2,108
LA7C 1,455
LA1RD 1,271
LA6FA 840
LA2Q 703
LA7KA 175
LA3DB 96
LA9T 30
LA3LC 12
21 Mc
LA7KA 330
LA9T 150
LA3Y 81

Nyasaland

All Band
ZD6BX 12,597
7 Mc
ZD6BX 20
14 Mc 527
21 Mc
ZD6BX 6,860

Okinawa

14 Mc
KR6PC 1,460

Pakistan

All Band
AP2K 95,000
7 Mc
AP2K 5,280
14 Mc
AP2K 19,110
21 Mc
AP2K 1,570

Peru

All Band
OA4C 36,220
7 Mc
OA4C 98
14 Mc
OA4C 8,910
OA4J 2,920
21 Mc
OA4C 3,638
28 Mc
OA4C 36

Philippine Is.

All Band
DU7SV 130,968
3.5 Mc
DU7SV 28
7 Mc
DU7SV 9,888
14 Mc
DU7SV 36,540
21 Mc
DU7SV 3,760

Poland

All Band
SP3AN 134,829
SP5FM 24,070
SP2BF 6,992
SP2GS 156
3.5 Mc
SP3AN 5,358
SP5FM 2,945
SP2BF 1,620
SP2GS 12
7 Mc
SP3AN 10,208
SP5FM 10,140
SP2BF 1,909
SP2GS 2
14 Mc
SP3AN 15,572
SP2GS 56
21 Mc
SP3AN 3,441

Portugal

All Band
CT1DJ 98,980
CT1AH 1,488
3.5 Mc
CT1DJ 616
7 Mc
CT1DJ 4,433
CT1AH 140
14 Mc
CT1CO 34,574
CT1DJ 4,488
CT1AH 646
21 Mc
CT1DJ 21,412

Puerto Rico

All Band
KP4JE 127,942
KP4CC 80,465
KP4KD 50,052
KP4TF 26,928
3.5 Mc
KP4TF 1,008
KP4CC 533
KP4JE 300
KP4KD 126
7 Mc
KP4JE 16,544
KP4CC 7,548
KP4KD 3,885
KP4TF 405
14 Mc
KP4CC 14,536
KP4TF 12,502
KP4JE 7,310
KP4KD 2,244
21 Mc
KP4JE 11,868
KP4KD 10,229
KP4CC 2,600
28 Mc
KP4JE 168

Rhodesia No.

All Band
VQ2GW 39,200
VQ2AS 4,655
7 Mc
VQ2GW 3,959
VQ2AS 8
14 Mc
VQ2GW 4,602
VQ2AS 4,185
21 Mc
VQ2GW 5,364

Rhodesia So.

All Band
ZE3JO 18,836
7 Mc
ZE3JO 9
14 Mc
ZE5JA 36,846
ZE5JE 1,652
ZE5JH 780
ZE3JO 546
21 Mc
ZE3JO 10,912

Rio De Oro

All Band
EA9DF 149,490
7 Mc
EA9DF 20,358
14 Mc
EA9DF 59,280

Roumania

All Band
YO3RF 133,860
YO3FT 16,200
YO6AW 12,975
YO3CM 546
YO3CA 247
3.5 Mc
YO3RF 1,950
YO6AW 780
YO3FA 80
YO3CA 12
YO3CM 10
7 Mc
YO3RF 13,969
YO3FT 4,743
YO6AW 448
YO3CA 143
14 Mc
YO3RF 14,427
YO3GY 6,006
YO6AW 2,820
YO3CM 407
YO3FT 232
21 Mc
YO3RF 6,930
YO6AW 56

Saarland

All Band
9S4AX 40,713
3.5 Mc
9S4AX 3,927
7 Mc
9S4AX 2,538
14 Mc
9S4AX 2,415
21 Mc
9S4AX 1,254

Sardinia

All Band
IS1AHK 13,300
7 Mc
IS1AHK 190
14 Mc
IS1AHK 4,928
21 Mc
IS1AHK 968

Saudi-Arabia

All Band
HZ1HZ 124,389
7 Mc
HZ1HZ 5,332
14 Mc
HZ1HZ 27,335
21 Mc
HZ1HZ 13,056

Scotland

All Band
GM3DPK 52,500
3.5 Mc
GM3DPK 1,334
7 Mc
GM3DPK 3,944
14 Mc
GM3DPK 12,815
21 Mc
GM3DPK 169

Sicily

All Band
IT1TAI 23,403
7 Mc
IT1TAI 5,360
14 Mc
IT1TAI 6,345

Spain

All Band
EA1AB 65,992
EA1CP 21,996
EA5AE 17,925
EA3CY 15,387
EA3FU 4,292
EA2CR 1,026
EA1CS 693
EA4CR 16
3.5 Mc
EA1AB 2,054
EA1CP 348
EA2CR 42
EA5AE 6
7 Mc
EA1AB 2,366
EA3CY 1,425
EA1CP 1,200
EA3FU 974
EA5AE 660
EA1CS 336
EA2CR 54
EA4CR 6
14 Mc
EA1BC 38,400
EA3GF 30,195
EA1AB 9,568
EA5AE 4,551
EA1CP 1,755
EA3CY 1,587
EA3FU 1,260
EA1CS 63
EA2CR 60
21 Mc
EA1AB 3,335
EA1CP 2,790
EA3CY 2,037
EA5AE 1,260
EA2CR 108
EA4CR 2

Sp. Morocco

All Band
EA9AP 138,575
3.5 Mc
EA9AP 4,032
7 Mc
EA9AP 4,473
14 Mc
EA9AP 8,060
21 Mc
EA9AP 22,616

Sweden

All Band
SM5AQW 77,035
SM4BTB 46,080
SM6ID 23,218

SM4BCE
SM3BIZ
SM3AKM
SM3ACP
SM3AF
SM3BNL
SM5AHL
SM5WC
SM4KL
SM6AJN
SM7BVO
SM7BHF
SM5BRO
SM5TL
SM6VY
SM7AOO
SM5CCE
SM6JY
SM6PF
SM6CED
SM7BY
3.5 Mc
SM5AHK
SM5AQW
SM6JY
SM4BCE
SM4BTB
SM6ID
SM6VY
SM4KL
SM5CCE
SM6CED
SM3AKM
SM6PF
SM7AOO
SM6AJN
SM3B1Z
SM6BDS
SM7BY
SM5BRO
SM5TL
SM5CHA
SM3AF
SM7BHF
7 Mc
SM4BCE
SM5AQW
SM5WI
SM7BLO
SM4BTB
SM3AF
SM6ID
SM3B1Z
SMCXE
SM5AHL
7 Mc
SM6BRU
SM5BRO
SM3BNL
SM3AKM
SM2CVA
SM5CCE
SM6AJN
SM6PF
SM4KL
SM7BHF
SM3AST
SM6VY
SM5TL
SM5WC
SM6JY
14 Mc
SM5AHW
SM5AQW
SM5IZ
SM4BTB
SM2ALU
SM3AKM
SM6ID
SM6AMR
SM5WC
SM3B1Z
SL3AG
SM5AHL
SM3BNL
SM3AF
SM5TL
SM4KL
SM6AJN
SM5BRO
SM7AOO
SM7BY
SM3AXM
SM5BFR
SM7BHF
SM6CED

linia

13,300

190

4,928

968

Arabia

124,389

5,332

27,335

13,056

land

52,500

1,334

3,944

12,815

169

ily

23,403

5,360

6,345

ain

65,992
21,996
17,925
15,387
4,292
1,026
693
16

2,054
348
42
6

2,366
1,425
1,200
974
660
336
54
6

38,400
30,195
9,568
4,551
1,755
1,587
1,260
63
60

3,335
2,790
2,037
1,260
108
2

orocco

138,575

4,032

4,473

8,060

22,616

den

77,035
46,080
23,218

CW Single Operator, Cont'd.

SM4BCE	21,884
SM3BIZ	14,784
SM3AKM	14,534
SM3ACP	10,143
SM3AF	8,456
SM3BNL	8,040
SM5AHL	7,808
SM5WC	4,830
SM4KL	4,740
SM6AJN	3,337
SM7BVO	3,216
SM7BHF	3,195
SM5BRO	3,100
SM5TL	2,948
SM6VY	2,847
SM7AOO	1,750
SM5CCE	1,700
SM6JY	1,586
SM6PF	864
SM6CED	822
SM7BY	595
3.5 Mc	
SM5AHK	5,148
SM5AQW	3,328
SM6JY	1,140
SM4BCE	1,003
SM4BTB	798
SM6ID	777
SM6VY	480
SM4KL	468
SM5CCE	408
SM6CED	304
SM3AKM	304
SM6PF	208
SM7AOO	198
SM6AJN	169
SM3B1Z	143
SM6BDS	42
SM7BY	42
SM5BRO	30
SM5TL	25
SM5CHA	25
SM3AF	15
SM7BHF	2
7 Mc	
SM4BCE	13,090
SM5AQW	8,476
SM5WI	6,875
SM7BLO	5,330
SM4BTB	2,541
SM3AF	1,775
SM6ID	1,764
SM3B1Z	1,752
SMCXE	1,653
SM5AHL	1,325
7 Mc	
SM6BRU	1,078
SM5BRO	513
SM3BNL	425
SM3AKM	345
SM2CVA	310
SM5CCE	264
SM6AJN	216
SM6PF	150
SM4KL	100
SM7BHF	81
SM3AST	66
SM6VY	42
SM5TL	28
SM5WC	25
SM6JY	24
14 Mc	
SM5AHW	27,468
SM5AQW	16,330
SM5IZ	16,030
SM4BTB	14,165
SM2ALU	8,702
SM3AKM	6,985
SM6ID	6,615
SM6AMR	4,370
SM5WC	4,070
SM3B1Z	3,332
SL3AG	3,024
SM5AHL	2,700
SM3BNL	2,618
SM3AF	2,002
SM5TL	1,392
SM4KL	1,376
SM6AJN	880
SM5BRO	150
SM7AOO	672
SM7BY	290
SM3AXM	288
SM5BFR	180
SM7BHF	170
SM6CED	132
SM2VP	72
SM5CCE	20
SM6PF	2
21 Mc	
SM5CO	8,684
SM7BHF	1,056
SM6VY	592
SM3BNL	288
SM3B1Z	99
SM5TL	28
SM5AFI	24

Switzerland

All Band	
HB9RJ	24,617
HB9NL	12,870
HB9RK	7,526
HB9CI	6,669
HB9KC	4,794
3.5 Mc	
HB9NL	840
HB9RJ	738
HB9KC	204
HB9RK	187
HB9CI	132
7 Mc	
HB9RJ	3,710
HB9KC	1,161
HB9RK	1,026
HB9NL	299
HB9CI	224
14 Mc	
HB9MO	23,472
HB9MU	22,824
HB9RJ	4,316
HB9NL	2,750
HB9CI	2,054
HB9RK	1,278
HB9KC	256
21 Mc	
HB9CV	20,598
HB9NL	160
HB9CI	55

Terr. New Guinea

All Band	
VK9WZ	6,625
7 Mc	
VK9WZ	2,680
14 Mc	
VK9WZ	915

Trieste

All Band	
I1NU	35,409
I1BNU	29,667
I1YCZ	4,356
3.5 Mc	
I1NU	1,320
I1YCZ	35
7 Mc	
I1BNU	5,750
I1NU	3,300
I1YCZ	209
14 Mc	
I1BNU	4,328
I1NU	4,218
I1YCZ	602
21 Mc	
I1BNU	912
I1NU	855
I1YCZ	420

Union So. Africa

All Band	
ZS5U	61,108
ZS6HM	60
7 Mc	
ZS5U	5,709
ZS6HM	2
14 Mc	
ZS5QU	31,010
ZS6AEA	22,491
ZS5U	11,474
ZS4GD	1,160
ZS6HM	16
21 Mc	
ZS5U	4,560
ZS6BJ	306
ZS6YX	260
ZS6HM	4

Uruguay

All Band	
CX6AD	960
CX1OR	150
7 Mc	
CX6AD	24
CX1OR	2
14 Mc	
CX6AD	616
CX1OR	112
21 Mc	
CX2AM	9,889

Venezuela

All Band	
YV5AB	112,222
YV1AD	54,472
YV5DE	52,864
YV5BJ	10,512
3.5 Mc	
YV5DE	1,080
YV1AD	783
7 Mc	
YV5DE	8,303
YV5AB	6,486
YV1AD	5,700
YV5BJ	720
14 Mc	
YV5AB	29,019
YV5AE	15,351
YV5DE	11,067
YV1AD	3,894
YV5BJ	3,596
21 Mc	
YV5AB	5,577
YV1AD	3,455
YV5BJ	204

Virgin Is.

All Band	
KV4AA	113,085
KV4BK	7,420
3.5 Mc	
KV4AA	756
7 Mc	
KV4BK	5,400
KV4AA	3,168
14 Mc	
KV4AA	35,828
KV4BK	96
21 Mc	
KV4AA	3,420

Wales

All Band	
GW3HJR	47,768
1.8 Mc	
GW3HJR	4
3.5 Mc	
GW3HJR	931
7 Mc	
GW3HJR	3,040
14 Mc	
GW3HJR	11,250
GW5FN	9,504
21 Mc	
GW3HJR	504

Yugoslavia

All Band	
YU3BC	105,782
3.5 Mc	
YU3BC	3,570
7 Mc	
YU3BC	9,308
14 Mc	
YU3BC	28,512

Greenland

All Band	
LB8YB	1,820
7 Mc	
LB8YB	6
14 Mc	
LB8YB	1,638

Somaliland

14 Mcs	
VQ6LQ	20,001

Hungary

All Band	
HA5KBA	105,820
7 Mc	
HA5KBA	16,284
14 Mc	
HA5KBA	37,671
21 Mc	
HA5KBA	6

Phone Single Operator

United States

All Band	
W1ATE 5/6 #10 OS	176,881
3.5 Mc	
W1ATE	1,127
7 Mc	
W1ATE	2,673
14 Mc	
W1ATE	63,200
W1HOL	75
21 Mc	
W1ATE	4,640
W1RIL	3,774
28 Mc	
W1ATE	15
All Band	
W2SKE	111,860
W2WZ	55,842
W2VRE	13,920
W2DEM	80
3.5 Mc	
W2WZ	526
W2VRE	130
W2SKE	63
7 Mc	
W2SKE	2,688
W2WZ	374
W2VRE	225
14 Mc	
W2SKE	45,000
W2WZ	29,029
W2GLF	6,864
W2VQM	5,253
W2VRE	2,754
W2QKJ	375
W2DEM	63
21 Mc	
W2SKE	1,531
W2VRE	1,224
W2WZ	286
W2PUN	144
W2DEM	2
28 Mc	
W2SKE	92
All Band	
W3VKD	43,250
W3JTK	12,215
3.5 Mc	
W3JTK	24
W3VKD	21
7 Mc	
W3VKD	1,092
W3JTK	24
14 Mc	
W3LOE	47,838
W3VKD	19,956
W3JTK	7,685
W3OCU	792
21 Mc	
W3JTK	600
W3VKD	493
All Band	
W4OM	36,188
W4HQN	36,153
W4NBV	18,067
W4TWW	5,610
3.5 Mc	
W4HQN	240
7 Mc	
W4HQN	1,204
W4NBV	750
W4OM	165
W4TWW	8
14 Mc	
W4OM	17,856
W4NBV	9,617
W4HQN	9,200
W4CBQ	8,640
W4TWW	3,570
W4SOV	1,425
21 Mc	
W4DOU	2,400
W4OM	1,518
W4YHF	1,092
W4HQN	858
W4TWW	144
W4NBV	50

28 Mc
W4NQM 576
W4HQN 65
All Band
W5LFG 10,703
W5KC 1,722
7 Mc
W5LFG 660
W5KC 42
14 Mc
W5ALB 4,272
W5SFT 2,070
W5LFG 1,014
W5KC 304
W5YBF 168
21 Mc
W5LFG 2,077
W5QF 1,080
W5CIV 683
W5ZWR 550
W5KC 252
28 Mc
W5ZFS 15
W5KC 2
All Band
W6YY 139,500
W61TA 103,272
W6BJU 17,577
W6BUD 10,880
W6HJK 3,724
W6NJU 1,728
3.5 Mc
W6YY 63
W61TA 48
W6HJK 2
7 Mc
W61TA 2,304
W6YY 2,236
W6BJU 288
W6HJK 70
14 Mc
W6KQY 31,350
W6YY 25,984
W61TA 16,226
W6IEG 11,070
W6GVM 9,480
W6BJU 4,250
W6SWE 3,410
W6BUD 2,133
W6HJK 308
W6NJU 36
21 Mc
K6CZY 15,423
W61TA 12,960
W6YY 10,032
W6BUD 8,299
W6BJU 2,176
W6HJK 1,680
W6NJU 338
W6HJ 320
W6EFR 144
28 Mc
W61TA 2,070
W6YY 1,273
W6NJU 286
W6HJK 2
All Band
W7QDI 2,482
W7VIU 1,430
7 Mc
W7MAH 510
W7JLU 319
W7VIU 85
14 Mc
W7HXG 12,087
W7QDI 352
W7VIU 42
21 Mc
W7AHX 987
W7QDI 490
W7VIU 429
28 Mc
W7QDI 24
All Band
W8JIN 45,640
W8NXF 20,330
W8WZ 15,215
3.5 Mc
W8JIN 90
W8NXF 32
W8WZ 8
7 Mc
W8JIN 1,296
W8NXF 650
W8WZ 380
14 Mc
W8JIN 12,864
W8WZ 8,700
W8NXF 6,400
21 Mc
W8JIN 2,142
W8NXF 768
W8WZ 28
28 Mc
W8JIN 24
All Band
W9NDA 33,744
W9EWC 25,100
3.5 Mc
W9EWC 312
W9NDA 8
7 Mc
W9NDA 1,624
W9EWC 432
14 Mc
W9NDA 18,276
W9EWC 13,464
W9EZD 6,448
W9WKU 2,128
W9UKG 667
W9VOD 345
W9PNE 81
21 Mc
W9ABA 304
W9EWC 6
All Band
WØGEK 2,412
14 Mc
WØNCG 4,263
WØANF 1,026
WØTTW 910
21 Mc
WØGEK 1,431
WØGDE 128
WØTGC 63
28 Mc
WØRVB 255
WØGEK 126

Alaska

All Band
KL7AON 14,536
KL7ZG 4,785
3.5 Mc
KL7AON 4
7 Mc
KL7ZG 102
KL7AON 55
14 Mc
KL7AON 5,481
KL7FAF 5,084
KL7ZG 2,751
KL7AGU 1,640
KL7AWB 1,541
21 Mc
KL7AON 462
KL7ZG 36
28 Mc
KL7AON 4

Algiers

All Band
FA3JY 23,606
FA3OG 12,368
FA3OA 4,002
3.5 Mc
FA3OG 231
7 Mc
FA3OG 84
14 Mc
FA8MB 8,432
FA3OG 3,360
FA3JY 2,775
FA3OA 403
21 Mc
FA3JY 9,044
FA3OA 1,508
FA3OG 792
28 Mc
FA3JY 1,056
FA3OA 8

Angola

All Band
CR6BX 77,958
14 Mc
CR6BX 22,610
CR6CJ 377
21 Mc
CR6BX 2,528
28 Mc
CR6BX 5,880

Argentina

All Band
LU9MA 13,774
14 Mc
LU4DMG 11,200
LU7AAT 7,176
LU9MA 2,380
21 Mc
LU3AX 18,910
LU3EX 7,155
LU9MA 3,800
28 Mc
LU4ARR 3,848
LU9MA 45

Australia

All Band
VK2GW 8,003
VK4HD 1,701
VK5WO 1,372
7 Mc
VK2GW 288
14 Mc
VK5XN 10,918
VK2GW 4,582
VK3ACN 1,950
VK5WO 880
21 Mc
VK4EL 848
VK4HD 630
VK5WO 24
VK2GW 12
28 Mc
VK4HD 252
VK5WO 6

Balearic Is.

14 Mc
EA6AR 1,368

Barbados

All Band
VP6WR 82,026
3.5 Mc
VP6WR 30
7 Mc
VP6WR 176
14 Mc
14 Mc 11,229
21 Mc
VP6WR 18,104
28 Mc
VP6WR 588

Belgium

All Band
ON4SZ 96,917
3.5 Mc
ON4SZ 2,175
7 Mc
ON4SZ 2,160
14 Mc
ON4SZ 9,688
ON4CK 558
ON4LJ 494
21 Mc
ON4SZ 6,020
28 Mc
ON4SZ 1,755

Belg. Congo

14 Mc
OQ5AO 16,701
21 Mc
OQ5RU 38,868

Brazil

All Band
PY2CK 222,326
PY2AHS 127,865
PY4CB 665
7 Mc
PY2CK 247
14 Mc
PY2CK 43,134
PY2AHS 39,312
PY1MK 27,761
PY4CB 480
21 Mc
PY2CK 31,374
PY2AHS 17,355
PY1AZO 391
PY4CB 8
28 Mc
PY2CK 4,590
PY2AHS 1,196
PY4EM 855
PY4CB 81

Br. Honduras

All Band
VP1GG 5,694
14 Mc
VP1GG 1,780
21 Mc
VP1GG 1,102

Canada

All Band
VE2SU 11,538
7 Mc
VE2SU 546
14 Mc
VE2SU 10,992
VE2APC 6,566
All Band
VE4RO 10,695
3.5 Mc
VE4RO 32
7 Mc
VE4RO 110
14 Mc
VE4RO 4,746
21 Mc
VE4RO 288
14 Mc
VE6RR 752
All Band
VE7ZM 5,850
14 Mc
VE7ZM 3,400
21 Mc
VE7ZM 330
14 Mc
VO6U 1,742

Canal Zone

All Band
KZ5KA 1,612
14 Mc
KZ5KA 1,276
21 Mc
KZ5BR 16,512
KZ5KA 16

Canary Is.

All Band
EA8AX 13,014
7 Mc
EA8AX 12
14 Mc
EA8AX 6,615
21 Mc
EA8AX 735

Cape Verde Is.

14 Mc
CR4AL 2,064

Caroline Is.

All Band
KC6AA 21,148
14 Mc
KC6AA 7,750
21 Mc
KC6AA 2,455
28 Mc
KC6AA 50

Ceylon

All Band
4S7YL 37,389
4S7LB 3,840
14 Mc
4S7YL 12,238
4S7GV 5,198
4S7LB 3,185
21 Mc
4S7YL 8,360
4S7LB 25

Chile

All Band
CE3GG 8,635
7 Mc
CE3GG 4
14 Mc
CE3GG 2,856
21 Mc
CE3GG 1,782

Colombia

All Band
HK3FV 64,000
HK4DF 15,436
7 Mc
HK3FV 676

Phone Single Operator, Cont'd.

14 Mc
HK3FV 18,150
HK4DF 450
21 Mc
HK3FV 8,250
HK4DF 7,027
28 Mc
HK4DF 240

Costa Rica

All Band
TI2GC 20,116
14 Mc
TI2GC 19,008
21 Mc
TI2GC 2,759
28 Mc
TI2GC 672

Cuba

All Band
CO2BL 109,890
CO8SA 13,370
3.5 Mc
CO2BL 198
7 Mc
CO2BL 3,468
CO8SA 252
14 Mc
CO2BL 33,812
CO8SA 2,441
CO8DL 1,444
21 Mc
CO2BL 3,399
CO8SA 2,610
28 Mc
CO2BL 110

Cyprus

21 Mc
ZC4JA 31,293

Czechoslovakia

All Band
OK1HI 27,027
OK1MB 10,488
3.5 Mc
OK1HI 1,955
OK1MB 160
7 Mc
OK1MB 464
OK1HI 408
14 Mc
OK3IA 7,683
OK1MB 3,492
OK1HI 3,192
21 Mc
OK1HI 1,323
OK1MB 90
28 Mc
OK1HI 4

Denmark

All Band
OZ5KP 37,855
OZ7BG 24,080
OZ7HT 20,736
OZ1PO 6,264
3.5 Mc
OZ7HT 950
OZ5KP 684
OZ7BG 450
OZ1PO 294
OZ7TB 56
7 Mc
OZ7HT 540
OZ7BG 208
OZ5KP 24
14 Mc
OZ5KP 9,537
OZ7BG 8,236
OZ7HT 7,744
OZ7OP 3,008
OZ1PO 1,534
21 Mc
OZ5KP 3,502
OZ7BG 736
OZ1PO 404
28 Mc
OZ5KP 12

Dominican Rep.

All Band
HI6TC 14,726
3.5 Mc
HI6TC 2
7 Mc
HI6TC 325
14 Mc
HI6TC 10,207

Eire

All Band
EI4Q 10,098
14 Mc
EI3S 11,342
EI4Q 4,386
21 Mc
EI4Q 1,173

England

All Band
G3AWZ 117,900
G3HSN 60,952
G3FXB 34,220
G3DOG 2,100
G2AJB 660
G3AWZ 2,520
3.5 Mc
G3HSN 2,436
G3FXB 345
G2AJB 2
7 Mc
G3HSN 608
G3AWZ 600
G3FXB 592
G3DOG 140
14 Mc
G3HSN 18,720
G3FXB 6,936
G3AFM 4,107
G3DPJ 2,150
G3GEN 1,710
G2AJB 576
G3JVJ 528
21 Mc
G3FXB 3,366
G3HSN 1,170
G3DOG 1,150
G3AWZ 1,128
28 Mc
G3AWZ 10

Faeroes Is.

14 Mc
OY2Z 24

Finland

All Band
OH1PN 13,195
OH1NK 3,731
3.5 Mc
OH1PN 160
7 Mc
OH1NK 10
14 Mc
OH1PN 9,163
OH6QI 6,625
OH3RA 5,586
OH2ZE 4,551
OH6PW 2,025
OH1NK 777
21 Mc
OH2SE 816
OH1NK 510
OH3NY 35

France

All Band
F9RM 42,532
F8XP 13,616
F9YZ 12,876
F3NG 3,952
F8PQ 2,135
F9EP 810
F8HC 493
F8LF 442
F8EG 270
3.5 Mc
F9RM 1,452
F3NG 195
F9YZ 3
F8LF 2
7 Mc
F9RM 765
F3NG 168
F9EP 35
F8XP 24
14 Mc
F9RM 6,437
F9YZ 5,175
F7CG 1,575
F3NG 1,269
F8XP 925
F8HC 390
F8PQ 280
F8EY 240
F9EP 132
F8EG 6
21 Mc
F8XP 6,272
F8CW 5,220
F9RM 1,736
F3PW 1,596
F9YZ 1,508
F8PQ 861
F8LF 375
F8EG 234
F9EP 176
F8HC 6
28 Mc
F9RM 247
F8EG 24

Germany

All Band
DL1AU 121,636
DL4UZ 44,933
DL7BA 30,702
DL4ZC 26,117
DL3OC 15,125
DL6VM 12,382
DL4WY 12,283
DL6WD 10,944
DJ1BZ 9,920
DL1YA 8,748
DL9SR 5,774
DL1JY 3,432
DL6DE 2,553
DL7AD 2,345
DJ1MI 1,002
DL4LJ 960
DL1BR 875
DM2ACM 475
3.5 Mc
DL6WD 1,242
DL3OC 1,089
DL4WY 544
DL1AV 525
DL7BA 405
DL4UZ 375
DL9SR 374
DL6VM 220
DL6DE 198
DL1YA 195
DL4LJ 100
DJ2AE 100
DJ1BZ 72
DL1BR 49
DL1JY 15
7 Mc
DL7BA 882
DL1AV 630
DL6DE 578
DL3OC 441
DL6WD 360
DL9SR 120
DL4UZ 81
DJ1MI 40
DL1YA 18
14 Mc
DL4DB 68,289
DL4MW 30,492
DL4BI 28,187
DL4ZC 24,708
DL1AU 19,032
DL4OR 18,000
DL4AK 16,863
DL4UZ 15,556
DJ1BZ 8,056
DL4RI 5,995
DL4CN 4,879
DL4WY 3,400
DL9SR 2,136
DL6WD 1,885
DL1KB 1,840
DL7BA 1,792
DL1JY 1,512
DL3OC 1,435
DL7AD 968
DL1YA 912
DL6VM 651
DL1BR 504
DL4LJ 440
DM2ACM 234
DL6DE 153
DJ1MI 30
21 Mc
DL1AU 22,100
DL1VR 11,271
DL7BA 5,084
DL6VM 2,870
DL1EI 1,650
DL1YA 897
DL3OC 870
DL4WY 442
DJ1MI 405
DL7AD 299
DL1JY 228
DM2ACM 42
DL6WD 18
DL4ZC 12
28 Mc
DL4UZ 2,387
DL6VM 216
DL1YA 156
DL7BA 90
DL1AU 72
DL4WY 49

Greece

All Band
SVØWK 33,117
14 Mc
SVØWK 11,880
21 Mc
SVØWK 4,752
28 Mc
SVØWK 6

Guatemala

14 Mc
TG9MB 6,498

Hawaii

All Band
KH6MG 42,320
KH6PM 34,338
3.5 Mc
KH6MG 63
7 Mc
KH6MG 532
14 Mc
KH6MG 6,270
KH6PM 3,507
21 Mc
KH6PM 9,610
KH6ER 6,496
KH6MG 4,250
28 Mc
KH6PM 735
KH6MG 720

Hong Kong

14 Mc
VS6AE 1,134

India

All Band
VU2JP 2,200
14 Mc
VU2RC 5,633
VU2JP 400
21 Mc
VU2JP 672

Israel

All Band
4X4DK 275,110
4X4BO 110,594
4X4CX 100,188
4X4BL 84,455
4X4GB 78,064
3.5 Mc
4X4DK 1,300
4X4BL 1,192
7 Mc
4X4DK 3,682
4X4BL 1,368
4X4GB 468
4X4CX 372
4X4BO 189
14 Mc
4X4DK 63,672
4X4CX 44,850
4X4BO 41,696
4X4GB 30,680
4X4BL 8,800
21 Mc
4X4DK 23,424
4X4BO 14,250
4X4BL 8,664
4X4CX 7,527
4X4GB 2,088
28 Mc
4X4GB 867
4X4BL 420
4X4DK 126
4X4CX 30

Italy

All Band	
I1CQD	87,680
I1AIJ	65,590
I1CWX	63,788
I1CSP	43,086
I1ZZG	41,472
I1CCO	30,030
I1AMU	5,000
I1AHW	2,765
3.5 Mc	
I1CSP	1,220
I1AMU	714
I1CWX	700
I1CCO	585
I1AIJ	120
I1AHW	6
7 Mc	
I1CQD	1,088
I1CSP	600
I1ZTI	540
I1CCO	234
I1AIJ	165
I1AHW	132
I1ZZG	108
I1CWX	60
14 Mc	
I1ZZG	36,540
I1CQD	25,952
I1CWX	24,795
I1AIJ	20,735
I1AOY	18,286
I1BJC	14,940
I1EQ	12,803
I1TDJ	11,844
I1CSP	10,089
I1CCO	9,027
I1CEI	7,324
I1AHW	527
21 Mc	
I1A1J	6,615
I1CHJ	5,208
I1CQD	4,920
I1CWX	3,520
I1CSP	2,160
28 Mc	
I1CQD	855
I1CWX	40

Jamaica

21 Mc	
VP5SC	8,862

Japan

All Band	
JA1CJ	16,252
JA3AQ	11,623
JA4BB	9,480
KA2AS	9,455
7 Mc	
JA1GV	1,249
JA1VP	1,122
JA1CJ	96
JA1EF	75
14 Mc	
KA2CR	109,610
JA3BB	13,631
JA3AQ	4,865
JA1AL	4,250
JA4BB	3,124
JA1CJ	2,883
KA2AS	2,460
KA3RR	1,144
21 Mc	
JA1CJ	2,675
JA4BB	1,710
JA1CO	1,647
JA3AQ	1,392
KA2AS	990
28 Mc	
KA2KC	864
KA2AS	234
JA1CJ	108

Kenya

All Band	
VQ4RF	207,998
14 Mc	
VQ4RF	49,794
21 Mc	
VQ4RF	42,660
28 Mc	
VQ4RF	602

Lebanon

All Band	
OD5AV	28,428
OD5BA	22,016
14 Mc	
OD5AV	4,290
OD5BA	4,147
OD5LJ	3,175
21 Mc	
OD5AV	10,152
OD5BA	6,834

Liberia

21 Mc	
EL1ZA	450

Lichtenstein

All Band	
HB1MX/HE	8,777
3.5 Mc	
HB1MX/HE	140
7 Mc	
HB1MX/HE	2,736
14 Mc	
HB1MX/HE	861

Madagascar

All Band	
FB8BC	143
14 Mc	
FB8BC	77
21 Mc	
FB8BC	8

Mauritius

14 Mc	
VQ8AR	704

Mexico

21 Mc	
XE1SA	2,937

Morocco Fr.

All Band	
CN8MM	276,488
3.5 Mc	
CN8MM	1,056
7 Mc	
CN8MM	2,775
14 Mc	
CN81E	70,299
CN8MM	63,518
CN8EB	32,088
21 Mc	
CN8MM	24,024
28 Mc	
CN8MM	1,060

Morocco Sp.

All Band	
EA9AR	35,939
3.5 Mc	
EA9AR	108
14 Mc	
EA9AR	11,521
21 Mc	
EA9AR	4,824

Netherlands

All Band	
PAØULA	20,240
PI1RRS	6,987
PAØTAU	5,264
PAØSNG	4,223
PAØHJK	3,240
PAØUV	1,924
PAØVB	1,215
PAØEEM	806
PAØCN	540
3.5 Mc	
PAØULA	1,518
PI1RRS	630
PAØSNG	594
PAØHJK	276
PAØVB	204
PAØEEM	99
PAØPOL	90
PAØTAU	60
PAØUV	18
PAØCN	15
7 Mc	
PAØULA	286
PI1RRS	162
PAØUV	48
PAØVB	30
PAØTAU	4
PAØHJK	4
14 Mc	
PAØULA	7,392
PAØWIL	2,808
PI1RRS	2,072
PAØTAU	1,624
PAØSNG	1,610
PAØUV	989
PAØCN	360
PAØEEM	285
PAØVB	220
PAØHJK	154
PAØAU	88
PAØZV	42
21 Mc	
PAØKX	3,760
PAØHJK	660
PAØTAU	494

Neth. W. Indies

All Band	
PJ2AA	19,250
PJ2AI	4,736
14 Mc	
PJ2AA	5,852
PJ2AI	1,292
21 Mc	
PJ2AA	3,600
PJ2AI	1,080
28 Mc	
PJ2AA	2

Nicaragua

All Band	
YN4CB	11,096
7 Mc	
YN4CB	589
14 Mc	
YN4CB	5,198
21 Mc	
YN4CB	64

New Caledonia

14 Mc	
FK8AL	133

New Zealand

All Band	
ZL1BY	60,480
ZL1MQ	26,255
3.5 Mc	
ZL1BY	24
ZL1MQ	8
7 Mc	
ZL1BY	770
ZL1MQ	304
14 Mc	
ZL2GX	37,180
ZL1BY	16,940
ZL1MQ	10,098
21 Mc	
ZL1BY	4,940
ZL1MQ	1,105
28 Mc	
ZL1BY	42
ZL1MQ	12

No. Ireland

All Band	
GI3IVJ	1,332
3.5 Mc	
GI3IVJ	3
7 Mc	
GI3IVJ	12
14 Mc	
GI3IVJ	357
21 Mc	
GI3IVJ	121

Norway

All Band	
LA7XE	4,905
LA3Y	130
7 Mc	
LA7XE	840
14 Mc	
LA5YE	19,525
LA7XE	1,675
LA9T	72
LA3Y	56
21 Mc	
LA3Y	15

Okinawa

All Band	
KR6OH	9,028
14 Mc	
KR6OH	1,537
21 Mc	
KR6OH	2,322
28 Mc	
KR6OH	45

Paraguay

14 Mc	
ZP5CF	6,210

Philippine Is.

All Band	
DU7SV	10,203
7 Mc	
DU7SV	8
14 Mc	
DU7SV	2,800
21 Mc	
DU7SV	2,025

Portugal

All Band	
CT1MB	15,525
7 Mc	
CT1MB	15
14 Mc	
CT1MB	465
21 Mc	
CT1MB	4,872
28 Mc	
CT1MB	2,280

Puerto Rico

14 Mc	
KP4KD	171

Rhodesia No.

All Band	
VQ2GW	13,923
14 Mc	
VQ2GW	3,857
21 Mc	
VQ2GW	2,992

Rhodesia So.

All Band	
ZE4JN	2,070
14 Mc	
ZE4JN	187
21 Mc	
ZE4JN	323
28 Mc	
ZE4JN	6

Roumania

All Band	
YO3RF	11,328
YO3GL	10,450
7 Mc	
YO3GL	140
YO3RF	108
14 Mc	
YO3GL	5,535
YO3RF	792
21 Mc	
YO3RF	4,216
YO3GL	126
28 Mc	
YO3GL	2

Ruanda-Urundi

All Band	
OQØDZ	163,056
7 Mc	
OQØDZ	4
14 Mc	
OQØDZ	39,576
21 Mc	
OQØDZ	19,872
28 Mc	
OQØDZ	2,492

Saar

All Band	
9S4BS	6,920
3.5 Mc	
9S4BS	144
7 Mc	
9S4BS	49
14 Mc	
9S4BS	3,828

Scotland

All Band	
GM2DBX	8,772
3.5 Mc	
GM2DBX	168
7 Mc	
GM2DBX	135
14 Mc	
GM2DZB	31,955
GM2DBX	2,448
21 Mc	
GM2DBX	352

Phone Single Operator, Cont'd.

Spain

All Band	
EA7EV	26,412
EA3CY	18,778
EA4EP	12,900
EA7CP	10,788
EA3JE	8,968
EA3IH	3,075
3.5 Mc	
EA4EP	40
7 Mc	
EA9AY	390
EA4EP	64
EA3JE	15
14 Mc	
EA4BF	13,440
EA4CX	12,201
EA3KB	9,558
EA7EV	8,372
EA7CP	4,536
EA3CY	4,343
EA4EP	2,387
EA3IH	1,378
EA3JE	738
21 Mc	
EA3CY	4,736
EA7EV	3,360
EA3JE	1,235
EA7CP	1,128
EA4EP	195
28 Mc	
EA4EP	1,136
EA3JE	645
EA3IH	330
EA7EV	162
EA7CP	2

Sudan

14 Mc	
ST2NW	10,400

Sweden

All Band	
SM3LX	15,209
SM4BTF	9,685
SM3B1Z	8,732
3.5 Mc	
SM7AKO	868
SM4BTF	476
SM3LX	72
SM3B1Z	72
7 Mc	
SM3B1Z	80
SM4BTF	12
14 Mc	
SM3LX	12,602
SM6SA	10,450
SM3B1Z	5,547
SM5BAF	2,842
SM4BTF	2,320
SM3BFR	1,008
SM5WC	840
SM6AJN	840
21 Mc	
SM5CD	5,658
SM4BTF	576

Switzerland

All Band	
HB9RJ	9,805
3.5 Mc	
HB9RJ	1,121
14 Mc	
HB9KU	24,570
HB9RJ	4,284

Trieste

All Band	
I1YAK	65,965
I1BNU	26,885
I1YCZ	18,360
3.5 Mc	
I1YAK	986
I1YCZ	90
7 Mc	
I1BNU	1,155
I1YCZ	375
I1YAK	320
14 Mc	
I1YAK	11,993
I1BNU	6,952
I1YCZ	2,850
21 Mc	
I1YAK	4,428
I1BNU	2,100
I1YCZ	920
28 Mc	
I1YAK	900
I1YCZ	435

Trinidad

14 Mc	
VP4BN	45,676

Union of So. Africa

All Band	
ZS5JY	27,027
ZS5OA	1,395
14 Mc	
ZS5AW	31,345
ZS1BF	4,356
ZS5OA	360
ZS5JY	216
21 Mc	
ZS5JY	23,380
ZS6DW	16,240
ZS5OA	247

Uruguay

All Band	
CX2CN	3,480
14 Mc	
CX2CN	2,332
21 Mc	
CX3BH	1,638
28 Mc	
CX3AA	874
CX2CN	135

Venezuela

All Band	
YV5AB	45,360
YV5DE	17,558
YV5FY	6,477
3.5 Mc	
YV5DE	351
YV5AB	45
7 Mc	
YV5AB	918
YV5DE	800
14 Mc	
YV5AB	8,366
YV5DE	4,902
YV5FY	2,464
YV5AP	616
21 Mc	
YV5AB	5,364
YV5FY	950
YV5DE	192
28 Mc	
YV5AB	120

Virgin Is.

All Band	
KV4BI	4,284
KV4AA	207
3.5 Mc	
KV4BI	9
14 Mc	
KV4BI	918
KV4AA	2
21 Mc	
KV4BI	1,008
KV4AA	154

Wales

14 Mc	
GW3FPH	1,752

CW Multiple Operator

United States

All Band	
W1YMA	12,762
7 Mc	
W1YMA	2,448
14 Mc	
W1YMA	10,314
21 Mc	
W1YEY	12
All Band	
W4KVX	214,200
3.5 Mc	
W4KVX	323
7 Mc	
W4KVX	9,027
14 Mc	
W4KVX	78,922
21 Mc	
W4KVX	2,470
All Band	
W6YMD	193,584
W6AM	191,364
W6EEK	178,770
W6NWL	16,264
3.5 Mc	
W6YMD	2,625
W6AM	1,056
W6EEK	80
7 Mc	
W6EEK	13,728
W6YMD	11,040
W6AM	9,828
K6CYT	1,976
W6NWL	1,200
14 Mc	
W6VDG	43,180
W6AM	39,944
W6EEK	32,604
W6YMD	20,097
W6NWL	1,368
21 Mc	
W6YMD	11,124
W6AM	10,854
W6EEK	8,200
K6AAJ	6,888
W6NWL	3,104
28 Mc	
W6YMD	924
W6EEK	252
W6AM	96
All Band	
W8DUS	49,911
7 Mc	
W8DUS	2,048
14 Mc	
W8DUS	11,077
21 Mc	
W8DUS	5,184
All Band	
W9AVJ	168,163
W9IOP	88,320
W9PMZ	2,184
3.5 Mc	
W9AVJ	156
7 Mc	
W9AVJ	8,014
W9IOP	5,984
14 Mc	
W9AVJ	30,240
W9IOP	25,004
W9RXS	3,160
W9PMZ	2,016
21 Mc	
W9AVJ	12,834
W9IOP	3,480
28 Mc	
W9AVJ	143

Argentina

All Band	
LU8ABL	75,552
7 Mc	
LU8ABL	552
14 Mc	
LU8ABL	41,760
21 Mc	
LU8ABL	630

Bulgaria

All Band	
LZ1KAB	94,240
LZ1KDP	64,922
LZ1KPZ	30,632
LZ1KAA	13,776
3.5 Mc	
LZ1KAB	6,040
LZ1KDP	2,610
7 Mc	
LZ1KDP	5,934
LZ1KAA	5,460
LZ1KPZ	3,910
LZ1KAB	3,196
14 Mc	
LZ1KAB	29,484
LZ1KPZ	12,064
LZ1KDP	6,090
LZ1KAA	1,890
21 Mc	
LZ1KDP	2,320

England

All Band	
G2BVN	14,685
3.5 Mc	
G2BVN	378
7 Mc	
G2BVN	792
14 Mc	
G2BOZ	39,425
G2BVN	3,600
21 Mc	
G2BVN	132

Germany

All Band	
DL4KB	51,562
3.5 Mc	
DL4KB	1,039
7 Mc	
DL4KB	1,980
14 Mc	
DL4TA	37,762
DL4KB	7,462
21 Mc	
DL4KB	3,729

Italy

All Band	
I1BDV	136,160
3.5 Mc	
I1BDV	2,844
7 Mc	
I1BDV	8,544
14 Mc	
I1BDV	30,960
21 Mc	
I1BDV	1,416

Sweden

All Band	
SL5BO	22,090
SM5VK	13,114
SM3AU	12,672
3.5 Mc	
SM3AU	702
SL5BO	252
SM5VK	10
7 Mc	
SL6CY	3,072
SM5VK	1,242
SL5BO	720
SM3AU	204
14 Mc	
SL5BO	11,036
SM3AU	5,040
SM5VK	1,798
21 Mc	
SM5VK	1,040

Phone Multiple Operator

United States

21 Mc	
W1YEY	300
All Band	
W6AM	98,100
W6NWL	4,000
3.5 Mc	
W6AM	110
7 Mc	
W6AM	3,024
W6NWL	143
14 Mc	
W6WZD	28,300
W6AM	18,585
W6NWL	130
21 Mc	
W6AM	11,800
W6NWL	1,512
All Band	
W8NWO	11,178
W8DUS	7,314
7 Mc	
W8DUS	63
W8NWO	6
14 Mc	
W8NWO	7,700
W8DUS	3,800
21 Mc	
W8DUS	480
W8NWO	228

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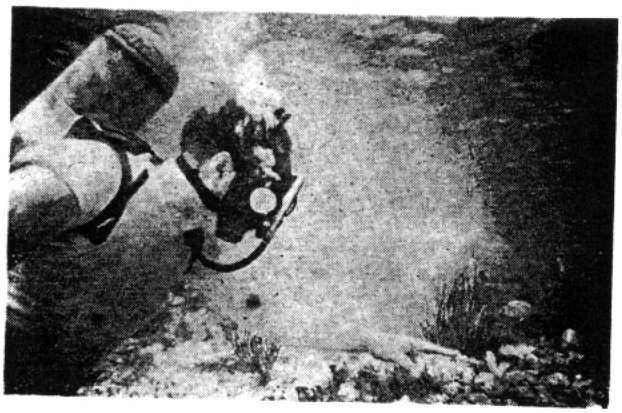
[from page 112]



Here is W2NSD trying out the Hydropack. With this getup quite a bit of the beautiful coral growths surrounding the island were explored and many brilliantly colored fish were viewed.

MULTIPLE OPERATOR PHONE SCORES

[Continued from page 100]

All Band
W9AVJ 28,784
7 Mc
W9AVJ 756
14 Mc
W9AVJ 10,800
21 Mc
W9AVJ 1,107

Bulgaria

All Band
LZ1KDP 11,098
3.5 Mc
LZ1KDP 100
7 Mc
LZ1KDP 108
14 Mc
LZ1KDP 4,794
21 Mc
LZ1KDP 144

Ecuador

All Band
HC2JR 193,734
HC1MB 141,700
7 Mc
HC1MB 2,235
HC2JR 468
14 Mc
HC2JR 67,488
HC1MB 30,360
21 Mc
HC2JR 21,903
HC1MB 13,944
28 Mc
HC1MB 1,339

France

All Band
F7BM 208,725
3.5 Mc
F7BM 2,592
7 Mc
F7BM 4,329
14 Mc
F7BM 73,012
21 Mc
F7BM 1,728

Italy

All Band
I1BDV 93,288
3.5 Mc
I1BDV 1,587
7 Mc
I1BDV 1,254
14 Mc
I1BDV 33,210
21 Mc
I1BDV 1,738

Okinawa

14 Mc
KR6OO 12,364

Germany

14 Mc
DL4TA 61,418

A2 Code Practice Permission Proposed for Phone Bands

The FCC invites comments by Nov. 15 on the proposed rule, based upon coresrpondence from individual amateurs and from the ARRL, to amend Part 12 of the amateur radio service rules to specifically provide that tone-modulated code practice transmissions may be made on bands authorized for A3 emission. when interspersed with appropriate voice instructions.

LETTERS

[from page 68]

is not stable enough for good SSB reception. It is passable, but leaves a lot to be desired.

I am sorry that I cannot offer anymore on the receiver, but I don't believe there is a commercial mobile receiver available at the present time to permit proper reception of SSB.

I have been planning on constructing a receiver for this purpose, but other activity has prevented my spending time on this project.

Bill Johnson, W8VOK

Pasay City, Philippines

Sirs:

I am sending you herewith photographs which you may find of some interest in your magazine. These are copies of the official pictures of the longest total solar eclipse to occur in 1250 years and observed in the Philippines on June 20, 1955.

Radio signals were observed to fade out during the totality.

Mabuhay and with fraternal 73 to you all, I remain

Very sincerely yours,
Elpidio G. De Castro, DU1RTI
Secretary, Philippine Amateur Radio Assn.