## Results of the

# 1962 CQ World-Wide DX (Phone) Contest

BY FRANK ANZALONE\*, W1WY

HE forecast for generally "poor-to-fair" propagation conditions made by George Jacobs for our Phone Contest last fall, seemed to be more or less "on the button" as W3ASK put it.

The location or band used generally dictated the report, but bad or good, some fellows always manage to come up with an unbelieveable score.

To hear Ed Bissell of W3MSK fame tell it, "its the operator not the equipment that makes a good score." Of course a full gallon on each band had nothing to do with it, and I'm sure 5 elements on 20, 6 on 10 and 7 on 15 are just so many figures to the uninitiated. But in any event the fellows put on quite a show and the Don Wallace, W6AM Trophy goes to W3MSK of the Potomac Valley Radio Club. A new experience for this normally c.w. station.

And conditions didn't seem to hamper (did they ever?) CX2CO. Ricardo teamed up with Daniel, CX7CO, entered the Multi category and added another cup—the Don Merten, K2AAA Trophy—to the Sierra collection. One guess, what category do you think they will enter next year?

Over in the Single Op division, Louis Kaiser once again left his XYL behind to hold the fort with 9G1YL and put XT27 on the air on all bands. Louis only located the necessary equipment at the last minute but his previous experience paid off and he will be taking the Bill Leonard, W2SKE Trophy back to Switzerland, where he will be by the time you read these results.

I'm sure his victory will be a popular one with everyone, even HC1DC. To bad Don, that was a fine effort on your part but Louis just had a more desirable location.

Once again it was the 14 mc band that produced most of the activity and the highest single band scores. It was a battle between two widely separated Asians, MP4BBW and KA2JL, with Ian winning out by virtue of his larger multiplier. Here again the locational advantage was a big factor in the final score.

Too bad Jim, a few more African countries would have done the trick. The Barry Briskman, K2IEG Trophy would have looked good in your Florida QTH. This was Jim's swan song from Japan.

There were many more 6-figure scores on 20 but space does not permit repetition, the listing speaks for itself. This was VR30's first effort in a contest.

\*Contest Committee Chairman, CQ.

Strangely enough the only other single band to produce a better than 100K score was 10 meters. Our old friend LU1DAB again complained how bad conditions were, "worse than last year," moaned Jaycee. But take a look at that score, 50% higher than last year. How does that boy do it on a band that's supposed to be dead?

The openings on 28 mc were a pleasant surprise to those who stuck it out. Even K6CT was happy, and 10 is generally tough on the west coast. Of course George credits his success to his polarized diversity beam.

Most of the 28 mc activity was on a.m. and conditions seemed above average down W5-land. But was that cricket OM, beating out a YL. Sorry Sue, it was a close one.

The activity on 21 mc was a mixture of a.m. and s.s.b., and some of the boys (and girl) turned in some nice scores, but conditions were spotty. As an example, AP2MR didn't have a single W/K contact, and Ruth, 9G1YL only had a handful.

The two lower bands were very disappointing. A nip and tuck affair between W3PHL and K2GXI livened up 40, with Fred just nosing out Bob, but as the boys put it, "its pretty rough competing against megawatt propaganda stations."

Stateside, W1BU was the only one to show a score on 80, although some of the All-Band stations used it for a multiplier. Activity over in Europe was more evident and ON4UN beat out I1AIM last year's leader with a narrow margin, by virtue of a few more three-pointers.

Going back to the All-Band division, there doesn't seem to be too much difference in the over all averages from last year's scores. It's good to see that two of our boys, K5MDX and W1ONK made the Top Ten, with K3UDX just missing out. KP4CK's contact total looks like a new high for a single operator. And ZL1AIX proved that it can be done from "down under" and no excuse for the Aussies having only 3 entries.

Reviewing the multi-operator division we find that a group from the German DX Team really stirred up a hornet's nest from San Marino as DJ1ZG/M1; and the group over at DJ3VM made a big improvement in their score over last year. The de Azevedo twosome switched calls to the distaff side of the family and as CT1YE, also improved last year's showing.

The gang at DLØWW, a club station, is the same group that won the trophy last year as

DJ3QU. This is their sixth year in competition.

And the Tigerstedt family again made their usual fine showing from a difficult location; however, OH5SM went Multi-Transmitter this year. Watch out for this group when we return to the lush years on the higher bands.

That was only a two man team at K6EVR, but a much larger team at the Science Museum put on a jolly good show with GB2SM.

Other DX-peditions included DJ6QT's trip over to LX3QT and W3ZQ's set-up as PJ5MC, both fairly successful, altho Mac thought conditions in the Caribbean could have been better. WØAIH's trip to Bermuda however was disappointing, radio-wise that is. Paul and the XYL had a fine vacation but the available equipment was not adequate for contest work.

The controversial 2-point-per-contact between North American stations, was quite naturally well received over here. Quote WB2CCO, "two points for North American contacts saved the day, since European openings were at a low." You're so right Bernie, too bad more stations didn't take advantage of this bonus.

Disapproval from overseas stations was minimal, but we couldn't pass up JA4AS's remark: "I think it is non-profitable for us that QSO points between both American stations be calculated as 2 points." You've got a point there Dr. Akio.

Actually the increased QSO point value contributed very little to the average scores over here. The hoped-for increase in activity from the Caribbean and Central America did not materialize and no one seemed interested in working the few Canadians that showed up.

Let's hope the c.w. section shows an improvement. Maybe we should forget the noble experiment and go back to the old system.

We are still receiving occasional complaints that 48 hours is too long for a contest. I can't understand VE3CBY's gripe though, since Ray operated 21 mc only. Our Single-Band feature permits plenty of sack time to those who prefer a shorter period. The rugged individual still finds All-Band operation desirable, and of course the Multi-Operator groups are judged on an All-Band score only.

You will note quite an increase in returns from W4-land. This was due to a couple of real live DX clubs; the Florida DX Club and the Virginia Century Club.

In contrast, you will also note that there were exactly *three* entries from the W8-boys. Does the Ohio Valley still exist?

W7ZGA/VO2 thinks more publicity should be given to the contest. "Many stations had no knowledge of what kind of a report to send." Its not the publicity Jim, take a look at the returns from Europe and Japan. Its just that some of our guys don't want to be disturbed from their gossipy round tables.

W5JDX/VP9 wants scores of previous year published, to have a goal to shoot for. You're not reading the right magazine Roy.

The lone entry from Ireland wants to eliminate



W4GFB/KH6—L. to R. W7UXP, W4GFB and W3WDI, responsible for that consistant signal out of Hawaii.

log keeping or provide a stenographer for each station.

This was the first contest for DU1MP and he was thrilled with the excitement of a contest and the new stuff he worked. Mar sent us a nice clean log and had it all figured out. (Note from Ben, "Voltaire please take note, it was all figured out!")

VR2DS ran up a nice score this year because he had planned well in advance. "The XYL and harmonics were well advised of the coming contest, bribes were handed out and promises of better things afterwards." Hope it didn't cost you to much Pete.

Not enough power was KC6BK's excuse for not having a higher score. I don't think power would have made a bit of difference Stan, what you need is less distraction. Those of you who have received his QSL card will understand what I mean. Hi!

PY2QT's big problem was getting his log in. Mail service is so poor down his way that he had to send it via a friend who was making a trip to the States.

The gang at 4U1ITU didn't have any antennas for the lower bands so missed all the 80 meter activity in Europe. Some of you guys took extra credit for 4U1. No good, it still only counts as Switzerland.

GM3BCL thoroughly enjoyed his 16th CQ Contest. By golly I didn't realize we've been running these shindigs that long.

And PY3AHJ is sorry that there is only one CQ Contest each year. Are you kidding Doc, we barely recover from the last one before a new one is on top of us. And they keep growing bigger each year.

Returns this year showed a substantial increase, 658 logs as compared to 576, although the country total dropped to 102 from 111 last year.

As in the past we are again very generous in the distribution of awards and 256 certificates will be sent to the deserving winners.

Next month, the C.W. Results, (we hope). Those muffled groans from W1GYE and W2JB indicate that the load is almost twice as heavy as previous. But Andy and Ben are old hands and we'll manage somehow.

73 for now, Frank, W1WY

## Top Ten

#### ALL BAND-SINGLE OPERATOR

	XT2Z	647,836
HC1DC	426,972	5A1TW 234,624
KP4CK	390,648	HK1QQ 225,106
5N2JKO	307,461	K5MDX 208,517
ZL1AIX	302,267	W10NK 207,540
	VR2DS	207,393

#### Top Five

#### MULTI-OPERATOR SINGLE TRANSMITTER

	CX2CO		
DJ1ZG/M1	.429,111	DLIJW .	282,100
DJ3VM	,400	CITIE .	260,064

#### Top Five

#### MULTI-OPERATOR MULTI-TRANSMITTER

	W3MSK	547,768	
DLØWW	361,616	K6EVR	255,744
OH5SM	305,545	GB2SM	198,449

#### Continental Leaders SINGLE BAND

28 Mc	14 Mc				
LU1DAB120,984	MP4BBW 203,700				
5A5TW 19,404	KA2JL 199,836				
K5ORH 8,950	VR3O 162,475				
I1TDJ 4,746	PY4AS 161,952				
JA1HGY 288	UC2AA 154,008				
	ZE4JO 144,592				
	XE1AE 79,222				
	7 Mc				
21 Me	W3PHL 7,379				
G3FXB 80,940	JA1DRQ 4,500				
9G1YL 72,324	OK2KOJ 1,066				
PY3AHJ 53,618	3.8 Mc				
K9ECE 25,110	ON4UN 13,068				
AP2MR 22,563	I1AIM 12,980				
DU1MR 21,546	W1BU 3,162				
	-				

#### U. S. A.

#### Leaders and Runners-up

All BandK3UDX	204,820
28 McK5SBN	8,134
21 Mc W6BSY	14,575
14 Mc K2HFX	78,780
7 Mc K2GXI	7,065

Number groups after call letters denote the following; Band (A-all), Final Score, Number of QSOs, Zones and Countries. Certificate winners are listed in bold face.

## **Phone Results** SINGLE OPERATOR

#### North America United States

	aried bid	162		
W10NK A	207,540	353	70	140
W1WY "	17,724	84	33	51
K1/MD "	4646	40	19	27
W1NTH "	3666	35	14	25
W1PLJ "	1056	18	-9	13
W1PIV 14	49,285	187	29	66
K1RTB "	42,282	197	26	61
W1ZFV "	30,942	135	26	55
K10SY "	24,495	129	20	51
W1BU 3.8	3162	39	12	22
WATER A	97,696	218	64	108
WAZSTP	90,592	225	49	100
K230A	57,672	194	38	70
**Z***********************************	41,412	142	44	75
W2GNQ "	30,199	113	34	67
W2QKJ "	18,504	97	25	47
W2GKZ "	4850	43	21	29
WA2QNW "	3870	44	23	25
K2ANR 28	3636	42	13	23
K2KXW 21	966	18	11	12
W2JKH "	851	16	9	14
WA2BXK "	416	ğ	ž	Ĵģ.
K2HFX 14	78,780	288	30	71
K21EG "	46,372	163	26	72
W2BOK "	34,080	154	24	56
WAZHOK "	30,378	139	27	56
W2GBC "	27 624	101	20	20

W3FDH ' W3EGD 28 W3AYD 14 W3TBF '' K3JZH '' W3AKG '' W3PHL 7 W4BVV A	23,868 5240 24,080 15,120 6136 1736 7379	90 48 114 96 46 22 68 286	40 16 24 23 20 13 15	62 24 56 40 32 18 32	W6FYM	44,286 41,376 33,232 17,160 16,125 966 308 6720 14,575	145 161 104 92 82 19 10 70	50 35 59 24 31 9 7 16	71 61 75 42 44 14 7 <b>24</b>
W4KWY A W4BCV "	<b>52,272</b> 48,708	147 190	49 29	83 70	W6HJT "	13.524	101	19	<b>36</b> 30
W40M "	30,498	114	35	68	W6KPR "	7611	63	15	28
W4ZYS "	29,400	112	36	64	W6SIA "	5880	53	14	28
WA4DCP "	28,034	115	40	67	WAGEYP "	4680	50	15	25
K4ASU "	22,704	102	29	57	W6PQW 14	18,616	125	18	34
W4QVJ "	18,240	88	25	51	NOLAS	10,152	66	22	32
W4DQ3	13,056	76	28	40	WAGKPB "	7340 4191	60	16	26
W4107	12,744	66	25	47	KGAHV 7	1349	45 <b>34</b>	13 13	20 16
W4210	12,000 9238	62 59	28	47 36	V====	40.560			
WALRN "	8400	57	26 26	34	W7DQM	32,928	132 132	47 39	73
W4EEU "	8260	52	23	36	W7BTH "	10.878	73	19	57 39
K40RQ "	7581	55	22	35	W7PQE "	5844	62	10	18
W4HVU ''	6136	43	27	32	W71EU "	780	18	15	15
K4RQE "	464	11	7	9	W7DIS 28	1334	29	1ŏ	īš
K4QWM 28	5076	49	16	33	K4LYG/7 21	5535	49	15	30
W4RLS "	2520	35	14	21	W7DLR 14	1650	21	13	17
K4WNA 21 W5INL/4 "	2652	43	12	26	KSYBU A	34,946	133	38	63
	1475	27	10	15		25,887	100	48	65
W4DPN "	792 450	14 10	9 6	13	" TW8W	6844	50	25	33
W4AZK 14	42.594	167	28	9 <b>65</b>	K9EAB A	96,720	212	72	114
W4AVY	15,246	91	22	41	W9NZM "	92,444	199	72	119
W4QD "	9860	62	19	39	W9JJV "	16,643	77	36	53
K4TEA 3.5	297	10	-5	6	W9SZR "	693	14	11	10
K5MDX A	208.517	349	81	150	W9LKI 28	2314	37	10	16
W5WLD	43,318	148	45	76	K9ECE 21 W9SFR "	25,110	120	22	59
W5JWM "	32,186	105	46	<b>75</b>		7200 192	57	23	37
W5SU "	1884	38	21	28			7	6	6
K50RH 28	8950	71	14	36	WØLLB A	34,020	113	49	77
K5SBN "	8134	70	16	33	INTERNATION CO.	33,439	108	47	72
KEEEO	2077	27	13	18	KØLND 28	17,108 3135	78 37	38 11	53 <b>22</b>
K3110	406	15	-7	.7	WØAGX "	945	16	'9	12
W5AJY 21 K5UYF "	12,998 11,685	<b>75</b> 86	22 17	45	WØNFA 14	22.515	111	29	49
K5FKD "	9435	75	18	40 33	KØMIC "	8624	67	20	29
W5DQK "	9072	64	16	38	WAGAHL "	2175	38	12	17
W5LDH "	2904	35	13	21	KØMQS 7	2146	41	11	18
W5KFT 14	26,240	152	23	47		Bahamas			
W5KC "	24,160	121	27	53					
K6CTV A	121,380	267	61	109	VP7CU A VP7CS 21	9635 11,544	227 237	23 11	18 13
	-					,0-14	207	••	10

2822 7065

204,820 141,149

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W2GBC .... K2EHS ....

K2GXI .....

K3UDX .... W3TLN ....

....

361 277 212

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,	Bermuda						X ~: ~			
W5JDX/VP9 %		381	30	36		•	Asiα			
WØAIH/VP9 21	275	23	7	8			Aden			
	Canada				VS9AAA	A	51,156	190	35	81
VE2AMW 14 VE3PV A	3937 18,732	54 105	12 37	19 47			hrain Is			
VE3ES "	4767	65	31	41	MP4BDC MP4BBW 1	A 14	31,040 203,700	132 528	32 37	65 103
VE3CBY 21	18,060 3640	130	19 14	41 26	MI 400H				••	
VE3BMB "	1425	37 22	9	16	V708W	A	Burma 4550	53	21	29
VESEBU 14 VEGTF A	5180 45,017	89 369	12 28	16 31	XZ2DW			55	21	23
VE7EH A		219	33	42			Cyprus	010	30	79
W7ZGA/ V02 14	22,393	202	16	33	5B4WS	A	75,428	239	30	13
	osta Rica			•••			ong Kon	-		23
TI2JR 21	930	47	6	4	VS6EC	14	2556	38	13	23
	inican Re	. or					India	400		
HI8MMN A	19,800	210	22	23	VU2BK VU2NR	A 14	54,054 90,797	180 318	37 30	80 79
G	reenland				VU2AJ	'ii	1962	37	12	20
KG1BO 14	5508	64	14	22			Israel			
	Mexico				4X4FV	A	207,083	450	41	116
XE1AE 14	79,222	581	22	41	4X4JA 4X4MJ		12,921 2496	79 26	15 11	44 21
	Panama				4X4HM	28	240	10	4	4
HP1AC A	6600	62	18	26			Japan			
P	uerto Rico	•			JA1BWA	Ą	60,320	208	48	68
KP4CK A		109	64	100	JA7AD JA1CIB	A	21,888 8134	11 <b>9</b> 81	<b>32</b> 20	<b>44</b> 29
KP4AVQ " KP4BBN "	146,778 37,620	681 221	40 32	62 44	JA3BEA	"	7980	60	23	34
W1GXD/	, .				JA4AS JA1BUI		7125 4032	56 49	22 16	35 26
KP4 14 K <b>P4ASK</b> 7	1496 <b>3703</b>	67 <b>78</b>	5 <b>8</b>	6 1 <b>5</b>	JA7RH	44	2688	39	12	16
	t. Vincent	t			JA1BLS JA3AVO	**	1858 1488	26 30	11 10	16 14
VP2SY A	18,192	168	19	29	JA4FM	11	992	20	10	14 13
Si	nt Maarte	n			JA1EM JA1FQE	"	989 416	20 14	10 7	9
PJ5MC A	87,040	666	30	34	JA1HGY	28	288	10 138	8 18	27 27
						21 21	16,875 15,012	107	24	30
	Africa				JA1FSL	21	14,500	111 97	20 18	<b>30</b> 28
Cor	ngo Repub	olic		,	JA6NP	41	11,628 10,229	76	25	28
TN8AA 21	4464	53	15	33	JA3BOY	11	6160 5202	69 60	13 16	22 18
***************************************	Ethiopia				JA1ADD JA1CYV	**	3990	44	16	22
ET3LM 14	8550	72	21	29	JA1JAN JA6PY	**	2910 2706	38 35	11 15	19 18
	Ghana				JAGPT	44	2052	32	11	16
9G1YL 21	72,324	260	25	73	JA3EBJ JA6AZQ	**	1863 1593	33 27	13 13	14 14
	Libya				JA4AQR	"	1560	29	12	14
5A1TW A	234,624	429	50	142	JA3CEJ JA7AZL	*1	990 950	20 21	10 8	12 11
5A2TS " 5A5TW 28	171,200 <b>19,404</b>	403 <b>144</b>	32 16	118 <b>33</b>	JA3BBG	41	665	16	9 7	10 9
5A5TY 21	43,632	220	18	54	JA2BYW JA9UU	41	512 416	13 13	5	8
M	ladeira Is				JA1JHF	41	352 292	11 10	7 8	9
CT3AV A	21,024	97	28	49	JA1EHA JA4AKL	41	221	9	6	7
	Mauritius				JA6YBR JA6AKV	41	182 126	10	6	5
VQ8AM A	3524	29	16	28	JA1EFE	41	72	6	4 3 3	9 7 7 5 4
	Morocco				JA1DDC JA1IZ	**	63 54	5 5	3	3
CN8IU A W8CAU/	109,632	390	27	69	JA1WA	44	35	4	3	4
CN8 14	52,836	246	22	52	JA3UI JA1ANA	14 14	42,375 35,186	210 181	26 26	49 47
CN8AW "	23,128	141	16	40	JAIBLY	11	17,476 5945	103 69	25 15	43 26
ENGING 4	Nigeria	490	64	167	JA2ANX JA1BLC	**	5904	61	17	31
5N2JKO A 5N2RSB 21	307,461 22,836	124	21	45	JA1CFN	"	3838 3444	44 36	13 19	25 23
5N2HJA 14	29,036	163	22	39	JASART	**	1824	28	12 13	20
	odesiα, N				JA8BI/1 JA1EJK	11	1800 1564	32 39	13 9	17 14
VQ2MS A VQ2KF A	<b>54,827</b> 18,280	194 98	<b>37</b> 21	<b>72</b> 45	JA1BNW	"	390	13	5 7	10
VQ2JG "	8580	70	24	42	JA1ALX JA1AJA	64	374 3 <b>50</b>	13 14	6	10 8 5 5
VUZEZ 21	10,290	97	13	29	JA7JH	"	108	6	4	5
	hodesia, S		Ea	100	JA8FO JA1BEE	**	90 48	5 5	4	4
ZE1JE A ZE7JV A	133,920 77,616	303 206	<b>52</b> 51	108 96	JA1DRQ	7.	4500 2000	<b>57</b> 39	<b>13</b>	17 11
ZE4JO 14	144,592	441	34	78	JA2BAY KA2JL	14	199,836	643	36	81
	outh Afric				mark	. •	Malaya			
ZS5JM 14 ZS4U	<b>122,385</b> 77,436	345 253	<b>36</b> 30	<b>87</b> 78	9M2GF	21	1953	86	9	12
ZS4MG "	37,840	158	29	59	9M2GJ	-::	768	37	7	9
Vol	taic Repu	ıblic					kistan (E	Cast)		
XT2Z A	647,836	967	72	166	AP5CP	14	130	10	6	7



Louis Kaiser at his home station 9G1DP. Louis took his camera along on his DXpedition to XT2Z but he was too busy running up a world high score to take time out for pictures.



Jim Lazenby at the operating position of KA2JL, the big signal from Japan, 2nd world high on 14 mc.

EA4GR—Poli del Valle and his 400 watter of European design. Poli is a consistant winner in our phone contests.





OHØNI — Sigurd Mansneros. Aland island is a nice catch in any contest. "Sigge" is always at the top of the list, alphabetically that is.



VP2SY—Washington Emmanuel and his modest little station that put St. Vincent on the map. Good work Washington, we could use a lot more like you down Caribbean way.

LX3QT—Walt did not indicate if this was the lay-out at the DXpedition location or his home at DJ6QT.



	ıkistan (W				OH3NE "	1144	<sub>2</sub> 52	5	17
AP2MR 21	-	160	23	46	0H2EW 21 0H80S "	928	50 18	5 5 3 7	15 13
KR6LJ A	Ryukyu I 18,152	5. 120	22	40	0H3NS 14 0H3PC 0H5RZ	3572	124 67	14	32 24
KR6BY 14 KR6PS 21	312	15 186	20	29	OH3NY "	1382	101 58	5 3 2	22 21
	audi Aral				OH21G "	88	17 8	3	8 8
HZ1AB 14		131	15	40	OH1VA 7		22	4	15
	U.S.S.R. Asiatic				F8WE A	France 26,985	203	27	78
UA9CH A	5980	81	15	37	F3PK "	26,160 23,520	137 132	29 30	51 75
UA9TE 14	33,132	43 186	16	7 50	F3NW "	18,286 5684	159 71	22 20	60 38
UW9CC "	10.092	119 43	14 8	40 17	F90E 14 F7DB A	3239 101,661	60 425	11 39	30 102
	Azerbaija				F7BI	25,432	147	27	61
UDGBR A	35,175 Kazakh	177	23	52		Germany			
UL7JA A		96	23	37	DJ4WN A DL9OH A	80,850 76,176	250 245	52 51	113 133
	Kirghiz				DJ2BW A	<b>71,827</b> 49,518	<b>220</b> 172	46 41	113 90
UM8FZ 14 UM8KAB "	1 <b>5,248</b> 7360	<b>102</b> 71	18 14	<b>43</b> 30	DJ3WE	46,400 27,839	190 175	39 28	77 69
	Turkomar				DJ5BV " DM3KBM "	24,284 23,180	168 220	28 14	79 81
UH8B0 A	490 Uzbek	19	6	8	DJ5VQ " DJ5LA "	14,774 14,181	127 101	23 24	66 63
UIBLB A	7175	67	14	27	DL7DF " DJ2WN "	10,080 9633	77 84	25 20	59 37
UI8AG 14	23,246	153	18	41	DL9JL " DL9KP "	7670 6984	78 61	19 21	46 51
1	Europe	е			DJ2MG " DJ2UU "	6322 5460	58 90	20 14	38 51
	Aland Is				DL/BQ "	3696 3330	54 37	20 18	36 27
OHØNI A		55	9	30	DJ2JA " DJ1UE "	2880 2288	44 43	14 10	34 34
054111	Austria				DJ30J " DJ2YA 21	72 <b>7520</b>	10 78	6	9 33
OE1UA A OE1RZ 14	8468 55,002	77 265	24 30	49 73	DJ6LV " DJ2DG "	6298 1593	60 31	14 11	33 16
	Belgium				DJ3CP 14 DL5GP "	9660 2739	<b>66</b>	22 8	47 25
ON4SZ 21 ON5KY "	<b>57,100</b> 17,496 <b>13,068</b>	<b>218</b> 99	<b>27</b> 21	<b>73</b> 51	DJ2YS " DJ2RE "	2442 1265	64 37	6	27 17
ON4UN 3.8	13,068 Bulgaria	275	8	36	DL1OW " DM2BEL "	425 144	21	6 7 5	10
LZ2KKZ A	10,164	116	21	45	DJ2KS 7 DL1IN 3.5	330 676	17 24	4 5	11 21
LZ1UF 28 SP5AHO/LZ 21	96 <b>5016</b>	16 <b>91</b>	1 10	5 28	DL4FT A	17,014	132	29	65
	echoslova				DL2P0 21 DL4BV 21	6165 3132	75 40	15 11	30 25 63
OK2QU A OK1JX "	1 <b>8,468</b> 11,985	143 137	24 18	<b>52</b> 67	DJØGT 14 DL4RX "	<b>49,368</b> 8580	<b>258</b> 110	<b>25</b> 11	63 41
OK1MP " OK3EA "	11,985 11,700 10,752	103 117	23 19	67 45	evano	Greece			
OK1ADP " OK1AFB "	6930 4176	107 77	12 13	43 35	SVØWL "	<b>7110</b> 1701	1 <b>32</b> 52	14 6	31 21
OK3DG 21 OK1PG "	11, <b>700</b> 63	118 4	13 3	<b>37</b> 4		Hungary			
OK3IT 14 OK3IR "	1 <b>2,200</b> 2871	1 <b>86</b> 72	12 6	38 27	HA1KSA A	14,040	131	24	54
OK3YE " OK2ABU "	714 406	43 22	4	13 10	E18P A	Ireland 105,432	418	41	97
OK1ABP "	340 72	17 8	5 4	12 6		Italy			•
0K2K0J 7 0K2SG 3.8	1066 624	39 39	5 2	21 14	I1WSG A I1TDJ 28	10,676 4746	75 44	29 14	39 28
OK2BDB "	168	14	2	10	11TDX 11 11SXN 21	4644 638	54 17	14	29 12
0Z4RT A	Denmark 36,790	213	34	96	11AMU 14 11ZIE "	<b>50,688</b> 22,184	311 285	28 14	71 45
0Z90M 14	2604 1 <b>2,600</b>	57 146	11 24	31 <b>45</b>	11NAL "	6118 2288	107	10	36 21
0Z8KR 3.8	154	14	2	9	IILCF " IIDFG " IIPHN "	2080 1575	77 79 60	5	21 20
G5ZT A	England 48,760	255	30	85	11AIM 3.8	12,980	291	ĕ	38
G3NFV "	41,886 37,376	193 231	37 33	80		fetherland 45,890	1s 223	38	92
G2NH ''	3685 1408	62 36	12 10	95 43 22	PAØWQ A PAØHSJ PAØUC 21	6649 <b>4386</b>	95 <b>50</b>	18 15	43 28
G3JKY " G5HZ 28	1160 3032	28 4 <b>0</b>	10	20 17	PAØGMU	2376 1300	46 24	10	17
G3FXB 21	<b>80,940</b> 15,732	322 108	<b>23</b> 20	<b>72</b> 49	PAØHBO 14 PAØWWP	44,100 17,876	213	<b>29</b> 22	17 71
G30PJ 14 G3NNT 14 G2AJB "	136,416 3276	<b>501</b>	31 7	<b>81</b> 29	PAØSNG	12,460	109 106	19	60 51
G3NSY "	3210	101	6	24	LA5HE A	Norway 36,279	140	40	ec.
0H2TJ A	Finland 50.673	317	31	102	LA6U "	550	146 22	40 7	99 15
0H2TJ A 0H50Q "	14,144	197	15	53	LA3WF 14 LA1KI "	1 <b>4,272</b> 1092	14 <b>3</b> 53	16 4	48 17

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SP5AIB	SP5WC	A 21	2077	41 123	2 <b>0</b>	22 <b>43</b>	0.00
SP5BT	SP5AIB	**	480	21	5	10	
SPSAHZ	SP5BT	**	11,024 3737	158	13	39 30	
CTILV A 48,870 246 38 97 CTILE "10,140 121 18 47 CTILKH "7897 139 13 40 CTIQT	SP5AHZ		2320 779	72		24	
CTILLE " 10,140 121 18 47 CTILK " 8176 107 15 41 CTILK " 7897 139 13 40 CTIGF 21 23,688 204 18 54 CTIPK " 13,390 98 20 45  ROUMAIN A 26,522 212 28 63 Y03ZA 14 3534 109 7 24  Scotland GM3BCL A 38,912 190 39 89 GM3NQB " 4465 100 10 37 GM3JDR 14 24,414 215 23 55 Sicily ITITAL A 17,640 155 24 66  Spain EA4GR A 82,810 299 46 123 EA7HZ " 23,232 168 29 67 EA3KI " 19,584 158 27 67 EA3LA " 5550 93 13 37 EA4EP 28 3321 41 14 27 EA3LS 21 450 12 8 10 EA4GZ 14 63,990 419 23 56 Sweden  SM3BIZ A 84,075 333 46 131 SM3CALU " 10,614 165 11 50 SM5CAL " 10,502 162 12 50 SM7CRW " 1711 60 7 22 SM5BDS " 1178 31 10 21 SM5BDS " 1178 31 10 21 SM5BRH " 225 10 6 9 SM5CZQ 28 144 6 4 5 SM5ECZQ 28 144 6 4 5 SM5BER " 225 10 6 9 SM5ECZQ 28 144 6 4 5 SM5BBB " 1178 31 10 21 SM5BBU " 5640 129 8 32 SM5BOU "	CT1JV				38	97	
Total	CTILE CTILN	**	10,140 8176	107	15	41	
Total	CT1KH		23,688	204	18	54	
Scotland   GM3BCL	CIIPK	R	oumania		20	43	
GM3BCL A 38,912 190 39 89 GM3IDR 14 24,414 215 23 55    Sicity			26,522 3534	212 109			
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EA46R	IT1TAI	A	17,640	155	24	66	
EASIT " 191,584 158 27 67 EA3LA " 5550 93 13 37 EA4EP 28 3321 41 14 27 EA3LS 21 450 12 8 10 EA4GZ 14 63,990 419 23 56  Sweden  SM3BIZ A 84,075 333 46 131 SM2ALU " 10,614 165 11 50 SM5CAK " 10,502 162 12 50 SM7AIA " 4646 59 17 28 SM5CCQ " 3848 73 15 37 SM7CRW " 1711 60 7 22 SM5BFR " 225 10 6 9 SM5ER " 178 31 10 21 SM5BFR " 225 10 6 9 SM5ECQ 28 144 6 4 5 SM5BFR " 225 10 6 9 SM5ECQ 28 144 6 4 5 SM5BBLA 14 69,721 372 36 77 SM5M5HA 14 23,236 219 22 52 SM5BBS " 1854 14 32 SM5BBG " 5640 129 8 32 SM5BOU " 5640 129 8 32 SM3CNN " 2987 93 6 23 SM6AOQ " 2160 64 7 23 SM5MOQ " 2160 64 7 23 SM5MSV " 189 21 2 7 SM5SMSW " 189 21 2 7 SM5BKM " 182 14 3 10 SW3CZI 3.8 1653 55 4 25 SM5BPJ " 1100 49 3 19  Switzerland  HB9Y A 165,852 346 59 145 HB9MO A 39,000 225 30 100 HB9HK " 34,709 231 21 40 HB9HG " 7560 75 22 48 HB9M " 2346 35 13 21 HB9U " 10,688 104 21 55 HB9EU " 7560 75 2 48 HB9M " 2346 35 13 21 HB9UA " 169 10 5 8  Yugoslavia  VUJAHI " 11,644 142 14 57  U.S.S.R. European  UA3UJ A 33,376 220 27 85 UA4IF " 32,178 185 28 65 UA4HF " 6264 91 13 UA5LI " 351 88 UA4FP " 792 24 7 15 UA6BP " 792 24 7	EA7HZ	**	82,810	168	<b>46</b> 29	123 67	
EA4EP 28 331 41 41 27 EA3LS 21 450 12 8 10 EA4GZ 14 63,990 419 23 56  Sweden  SM3BIZ A 84,075 333 46 131 SM3CAK " 10,614 165 11 50 SM5CAK " 10,502 162 12 50 SM7AIA " 4646 59 17 28 SM5CEU " 3848 73 15 37 SM7CRW " 1711 60 7 22 SM5BDS " 1178 31 10 21 SM5SDS " 1178 31 10 21 SM5SFF " 225 10 6 9 SM5CZQ 28 144 6 4 5 SM5SFF 21 4554 128 14 32 SM5BBA 14 69,721 372 36 77 SM5AM 14 23,236 219 22 52 SM5BGB " 8532 122 14 40 SM5BGB " 8532 122 14 40 SM5BGW " 5640 129 8 32 SM3CNN " 2987 93 6 23 SM6AOQ " 2160 64 7 23 SM5BGW " 189 21 2 7 SM5KKV " 189 21 2 7 SM5KKW " 189 21 2 7 SM5KW " 189 21 2 7 SM5KW " 189 21 2 7 SM5KKW " 189 21 2 7 SM5KW " 189 2 1	EA3KT	**	19,584 5550	93	27 13	67 37	
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SM5CEU " 3848 73 15 37 SM7CRW " 1711 60 7 22 SM5BDS " 1718 31 10 21 SM5SFR " 225 10 6 9 SM5CZQ 28 144 6 4 5 SM5BFE 21 4554 128 14 32 SM5SBFE 21 4554 128 14 32 SM5BNAH 14 69,721 372 36 77 SM5ANH 14 23,236 219 22 52 SM5BGB " 8532 122 14 40 SM5BOU " 5640 129 8 32 SM3CNN " 2987 93 6 23 SM7ACB " 1682 49 7 22 SM5KY " 189 21 2 7 SM5SKW " 189 21 2 2 7 SM5SKW " 189 2 2 7 SM5KW " 189 21 2 2 7 SM5KW " 189 2 2 7 SM5KW " 189 21 2 7 SM5KW " 189 21 2 7 SM5KW " 189 21 2 7 SM5KW " 19 11 2 1 2 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4	SM7AIA	6.6	10,502 4 <b>646</b>	59	1/	50 28	
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SMSBOU " 5640 129 8 32 SM3CNN " 2987 93 6 23 SMSCNO " 2160 64 7 23 SMSCNO " 1682 49 7 22 SMSKV " 189 21 2 7 SMSBKM " 189 21 2 7 SMSBKM " 189 21 2 7 SMSBKM " 180 10 4 21 SMSZI 3.8 1653 55 4 25 SWSZI 1100 49 3 19  SWITZERICH  HB9ZY A 165,852 346 59 145 HB9MO A 39,000 225 30 100 HB9HK " 34,709 231 21 40 HB9BU " 10,868 104 21 55 HB9BU " 10,868 104 21 55 HB9BU " 10,868 104 21 55 HB9BU " 1636 226 12 22 HB9SU " 2346 35 13 21 HB9U " 1632 26 12 22 HB9SU " 1632 26 12 22 HB9SU " 1632 26 12 22 HB9SU " 1632 26 12 22 HB9SC " 591 43 9 11 HB9QA " 169 10 5 8  Yugoslavia  YUJON A 33,984 227 32 86 YU1AHI " 11,644 142 14 57  U.S.S.R. European  UASUJ A 33,976 220 27 85 UA4HP " 6264 91 13 UA6LI " 3616 101 7 25 UA4PA 21 8977 90 13 34 UA3UP " 3510 80 4 27 UA6BP " 792 24 7 15 UA6PA 21 8977 90 13 34 UA3US " 14 34,580 228 25 66 UA6MK " 19,334 198 17 54 UAAPA 21 8977 90 13 34 UA4PW " 13,826 157 16 46 UA1MU " 10,248 127 16 45	SM5ANH	14	23.236	219	22	52	
SMGAOQ	SM5BOU	"	5640	129	8	32 23	
SM3AZI   3.8   1653   55	SM6A0Q	4.1	2160	64	7	23 22	
SMSAZI		- 44	189 182	21	3	7 10	
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UAGEL " 3616 101 7 25 UAGBP " 3510 80 4 27 UAGBP " 792 24 7 15 UA4PA 21 8977 90 13 34 UW3UF 14 34,580 228 25 66 UA5MK " 19,334 198 17 54 UA4PW " 13,826 157 16 46 UA1MU " 10,248 127 16 45 UA3XS " 1708 60 5 23 UA1CC " 1486 41 8 20 UA10E " 864 30 6 18  Estonia	UA4IF UA4HP		32,178 6264	91	13	41	
UA3PA         21         8977         90         13         34           UW3UF         14         34,580         228         25         66           UA6WK         19,334         198         17         54           UA1WU         10,248         127         16         45           UA3XS         1708         60         5         23           UA1CC         1486         41         8         20           UA1OE         864         30         6         18	UA6BN	. "	3510	80	4	27	
UA6MK 19,334 198 17 54 UA4PW 13,826 157 16 46 UA1MU 10,248 127 16 45 UA3XS 1708 60 5 23 UA1CC 1486 41 8 20 UA10E 864 30 6 18 Estonia	UA4PA	21	8977	90	13	34	
UA3XS " 1708 60 5 23 UA1CC " 1486 41 8 20 UA1OE " 864 30 6 18 Estonia	UA6MK		19 334	198	17	54	
UA1CC " 1486 41 8 20 UA10E " 864 30 6 18 Estonia	UA1MU	: ::	10,248	127	16	45	
Estonia	UA1CC		1486	41	8	20	
		14	Estonia				



MP4BBW, Ian Cable came out on top in a scrap with KA2JL for 14 mc world high.

UR2GT 28 UR2AO 3.8	216 <b>3164</b>	8 11 <b>8</b>	6 3	25
UQ2AN A	Lat <del>v</del> ia 16,948	180	17	59
UP2AN A UP2CG 3.8	Lithuani 20,790 3630	α 241 110	15 4	55 29
U05SA 14	Moldavio 8624	174	11	33
	Ukraine			
UB5UN A UT5GP 28 UB5DHH " UB5BFS " UB5LV 21 UB5FG 21 UB5KCA 14 UB5VH " UB5VH " UB5DT " UB5KEL " UB5KEL "	107,100 544 308 48 38,016 20,033 4258 1176 432 425 198 558	20 18 6 237 213 106 51 17 21 12 33	47 6 5 26 16 7 5 5 5 4 3	133 11 9 4 70 51 25 16 11 12 7
w	hite Rus	siα		
UC2AA 14	154,008	556	38	100

#### Oceania Australia

VK2RA A VK2APK 21 VK4XJ 14	550 <b>5170</b> 744	15 <b>84</b> 17	10 9 9	12 13 15
Carol	ine Js. (E	ast)		
KC6BK 14	66,978	311	29	57
Ch	ristmas Is	5.		
VR30 14	162,475	611	31	66
Co	ok Island	s		
ZK1BS A		469	58	<b>84</b> 53
ZNIAK	42,129		40	53
	ji Islands			
VR2DS A	207,393	643	45	78
Gu	am Islan	d		
W6CBE/KG6 A	16,815	117	22	35
KG6ALD 14	103,356		33	<b>75</b> 72
KG6AJB "	69,195	256	33	12
	Hawaii			
KH6EVT A	134,862	397	54	79
KHOEKK	85,280	384 400	32 24	48 44
KH6EK0 14	74,732 21,291	186	17	30
KHOUKU			17	50
	w Zealar			
ZL1AIX A	302,267	581	73 27	130 55
ZL1AAS 14	<b>62,566</b> 47,874	274 226	29	50
ZL1AGO " ZL2AYE "	8632	75	20	32
	hilippine			
			27	44
DU7SV A DU1MR 21		165	15	27

#### South America

204			_	
_	rgentina 24,080	136	32	38
LU7DGM A Lu1dab 28	120,984	584	22	49
LU3EQ 14	12,714 6650	117 69	1 <b>8</b> 17	21 18
LU8FAO "		09	17	10
PY2QT A	Brazil 171,284	612	60 1	12
PY2QT A PY3APH 28	112	6	4	2
PY3AHJ 21	53,618	232	<b>25</b> 16	<b>58</b> 28
PY1ATR " PY40D "	5544 1798	55 27	11	18
PY1BWF "	585	20	7	8
PY4AS 14 PY2BZD "	161,952 204	<b>587</b> 16	26 5	<b>70</b> 7
1 12020	Chile		-	
CE4BP A	39,510	166	34	56
CF1AD "	26,163	168	26	31 <b>72</b>
CE3VU 14	65,376	330	50	72
	olumbia			
HK1QQ A	225,106	767 161	<b>45</b> 35	<b>53</b> 45
HK3EY "	33,600 25,416	236	18	18
HK3RQ "	23,564	118	39	47
1	Ecuador			
HC1DC A	426,972	923	64	97
Nethe	rlands, V	v. I.		
PJ2CR A	39,658	184	30	49
P	araguay			
ZP5CG A	27,000	163	32	48
	Peru			
0A1W A	25,728 3003	130 46	29 13	38 20
OA4BS 21		40	13	20
_	Uruguay 31,132	141	34	52
CX3BH A CX2CN	25,662	142	32	46
CX2RE "	17,472	105	37	47
CADAR	8395 1776	67 33	34 18	39 19
CX1RY "	783	30	13	16
CX40A "	500	16 40	12 <b>12</b>	13 20
CX8BE 21 CX2AY 14	2048 58,77 <b>6</b>	340	23	39
•	Jenezuelo	ī		
YV5AGD A	49.858	210	40	57
YV5AMH "	33,570	262	22 36	23 55
YV3BW " YV5AKP "	22,477 480	95 11	36 6	10
YV5AKU "	315	8	7	8
YV5AHG 21 YV1EE 14	31,119	268 350	15 21	26 43
YV1DP "	<b>66,240</b> 46,472	422	14	23
YV5AVA 7	156	7	5	7
B STIT THE	ODET	) N T	-	

#### MULTI-OPERATOR Single Transmitter North America

United States				
WB2CCO	12,804	96	24 42	
W4VZB	C1 275		-WA2UJI) 49 76	
W4VZB	(W4VZB,			
	K4WYF	, K40DI	, K4HDQ)	
WA6EPQ	95,964	256	50 B2	
WA6SBO	56 515 (V	173	WA61PY) 48 79	
11/10000	(W	A6SBO, 1	WA6WVR)	
W8NGO			62 112	
W9OKM			W80NA) 34 47	
Maokiii		(W90KM	. W9YYG)	
K9SFT	9648		30 37	
			, W9FUV, S, K9VDB)	
WØEEE	67.944		56 96	
	,		Y, KØIFL,	
			(, KøVXU)	
Guadeloupe				

	********	,	(KØLF KØUT)	Y, KØ X, KØ	IFL VXU
		Guadelou	ıpe		
FG7XT		92,404	509 (FG7X		
FG7XS		46,089	(FG7X	S, FG	
	[Cont	inued on	page 8	7]	

Phone Results	DLØOS 78,142 258 56 122	UR2KAE 4429 97 10 33
[from page 51]	(DJ2HH, DJ4PE, DJ7JC) DLØDX 11,592 138 25 59	Latvia
	(DJ50W, DJ6MQ, DJ6RZ, DL9ZX)	UQ2KAM 2366 90 6 20
Africa	DL4SE 150,480 461 53 118 (DL4SE, DL4FX, DL4FC)	Lithuania UP2KNP 129.276 529 47 142
South Africa	DI 54C 107 583 361 41 100	Ukraine
ZS50A 17,922 91 37 50 (ZS50A, ZS50B)	(DL5AC, DL1TA, DL4SF, DL4UC) DL4PP 103,180 334 39 101	URSKED 18.827 163 19 48
(2000), 2000)	DL4PP 103,180 334 39 101 (Club Station)	UB5KDS 6940 107 14 31 UB5KSP 3060 69 9 25
Asia	DL5BR 26,544 163 31 81 (DL5DQ, DL4AA)	UB5KBG 286 24 4 9
	Hungary	Oceania
Israel 4X4HW 18,760 113 14 42	HA5KDF 2520 59 9 21	Hawaii
(Club Station)	(Club Station)	W4GFB/KH6 167,090 526 44 66
Japan	Iceland TF2WGU 18,081 179 15 34	(W4GFB, W3WD1, W7UXP)
JAGYAX 4080 54 15 19 (Club Station)	(TF2WGU, TF2WHB, TF2WHJ)	South America
KA2MA 100,152 341 34 73 (K8GSR, K6SWH)	Netherlands	Uruquay
Ryukyu Is.	PI1PT 3456 67 11 37 (Club Station)	CX2C0 991,728 1184 92 199
KR6MD 49,200 264 31 49	Luxembourg	(CX2CO, CX7CO)
(Club Station)	LX3QT 35,595 287 28 77 (DJ6QT)	MULTI-OPERATOR
U.S.S.R.	Northern Ireland	Multi-Transmitter
Armenia UG6KAA 5304 59 9 25	GI3CDF 101,552 374 53 123 (GI3CDF, GI3CVH,	
(Club Station)	, GISEDF, GISEVH,	North America
Asiatic	Norway	W3MSK 547,768 673 95 204
UA9KPW 17,995 114 19 42 (UA9OI, UA9PL) UA9KQA 17,113 103 21 48	LA1H 4797 118 8 33 (Club Station)	(W3MSK, W3TMZ, W3ZKH, K3EST, K3NZV, W4IYR) K6EVR 255,744 436 74 148
UA9KQA 17,113 103 21 48 (Club Station)	Portugal	K6EVR 255,744 436 74 148 (K6EVR, W6GFE)
UA9KSA 7260 84 9 24 (Club Station)	CT1YE 260,064 657 54 162	K6EXO 71,120 199 51 89 (K6EXO,K6YRA)
Azerbaijan	(CT1YE, CT1EY) San Marino	
UD6KAC 14,892 88 19 49	DJ1ZG/M1 429,111 1051 60 147	Europe
(Club Station)	(DJ1ZG, DJ3JV, DJ3SM, DL9XO)	DLØWW 361,616 685 67 166
Kazakh UL7KBK 1356 47 13 23	Sweden	OH5SM 305,545 881 64 201
(Club Station)	SM5AZU 19,552 141 30 64	(OH5SM, OH5NW, OH5NQ, OH2CN)
	(SM5ÁZU, SM5ATN, SM5BGM) SL5AB 9982 129 17 45	GB2SM 198,449 545 52 139
Europe	(SM5ACQ, SM5CZK, SM5TY, SM6CQU)	(Science Museum)
Czechoslovakia	SL6BH 912 22 10 14 (SM6AMD, SM6CKU)	OH1AA
OK3KGI 20,003 190 22 61 (Club Station)	Switzerland	(Club Station)
England	HB9IV 39,644 202 34 72	Oceania KG6FAE 81,231 664 40 59
G3HTA 38,478 178 35 86	(HB9IV, HB9ADP) 4U1ITU 21,568 143 22 42	(Club Station)
(G3HTA, G3JW)	(Club Station)	Our thanks to the following who
Finland 0H2AA 75,440 360 38 126	U.S.S.R. (Club Stations)	took time out to send us a report on their limited operation for checking
(OH2SB, OH2MK)	European	purposes.
Germany	UA1KBW 61,608 295 29 73	HKIAKL, JA6HW, JA8BBM, SW,
DJ3VM 345,486 660 60 153 (DJ3VM. DL1CR, DL1CX,	UAGKAF 34,916 229 25 61 UAGKYA 10,967 158 14 49	TG5WF, UL7AOL, UM8KAG.
DL3AO, DJ4LI, DJ1BP, DJ3JZ)	UA3KFB 1350 34 8 17	VE4SD, VK3BW, HL, YV5AIP, AQC,
DL1JW 282,100 538 69 148	Estonia UR2KAT 5940 119 10 35	CR7IZ, F8YO, G3MWG, OLU, HK1AKL, JA6HW, JA8BBM, SW, OH1TY, OKIVB, OZ5JT, OZ7KV, TG5WF, UL7AQL, UM8KAG, VE4SD, VK3BW, HL, YV5AIP, AQC, BBU, K1ADY, W1GYE, QCO, TZ, W2GT, PEO, K5MUX, W5PGG, W8FTO, BR52450
(DL1KB, DL1JW)	UR2KAT 5940 119 10 35	W8FTQ, BRS24550.

**DX** [from page 55]

agers a little more consideration. They give freely of their operating time to help their fellow DXers. The least we can do to show our appreciation in making the job a little easier is by cooperating and not make it costly for them.

Do you ever take a minute out to drop the QSL Manager a note telling him how much you appreciate his service? I think we tend to take these things for granted. This might be a good time to take pen in hand and let these fellows know we really do appreciate their time and effort. While you have your pen out, a letter of appreciation to your district QSL Bureau might be in order as well.

EL3A via W3NNC.
GC8KS via G8KS.
G3OHM, G3RSR, GB3SB
J. K. Harvey, 2A The
Avenue, Rubery, Nr.
H18XAG via W2CTN.
ex H55OSQ via KH6FBJ.
JA1EEB/KG6 Yuu Tsuboi, JA1EEB, 102 Ota
I watsuki, Saitama,
Janan, Japan.

KG6SX via KH6FBJ. KH6FBJ Lt. H.C. Sherrof, Jr., USN, 1132 McMor-ris Dr. Honolulu 18, Hawaii.

KX6AE Box 472, Navy 824, FPO, San Fran-cisco, Calif. LA9RG/P via LA8LF. PX1BE via PA@BEA, F. v. Rossum, Elegaststraat,

15-III Amsterdam, The Netherlands. SM3 via Box 78, Gavle, Sweden.

UAICK/UAØ

UAICK/UH8 Anatoly
Moskalenko, UA2AO,
P. O. Box 77, Kaliningrad obi. USSR.
VP5BP via VE3CJ.
VQ8B1 all QSL direct to:
VQ8B1 (including the
W4BPD operation).

W9WNV/KG6R via W9-VZP, RFD 1, Delavan, Wis.

ex-XW8AS via KH6FBJ. YAIAW via K5YYP. 5N2JKO via W4MCM. 5N2NFS via K9QIZ. 9G1EO via VE4OX.