Results of the

1961 CQ World-Wide DX (Phone) Contest

BY FRANK ANZALONE*, W1WY

E WERE more than pleasantly surprised when a final tabulation of the phone logs showed that returns this year were almost exactly the same as the number received last year. In 1960 we received 569 logs as compared to 576 this year. However the country total was higher last year, 116 as compared to 111 countries heard from

That's not bad though, not bad at all. The day after it was all over five would have gotten you ten, in our book, that this year's re-

turns would hit a new low.

As a matter of fact, they almost did from this country, only six logs from the 3rd district. But the foreign contingent made up for our laxity. Strangely enough it was Asia that made up the difference, since other areas were

about the same as in previous years.

There is no question as to this year's Champ. None other than our old friend Ricardo Sierra, CX2CO, Jr. that is, the OM seems to have retired from active participation. His score was more than double that of his nearest competitor. This is the highest score ever turned in by a phone station, Single or Multi-operator. Rick said that it was s.s.b. that made it possible for him to make over 1,000 contacts in 106 different countries. So, that horrible weekend everybody up here was moaning about, evidently didn't exist down Uruguay way.

Next in line is Layne I aBaume, KW6DG out in the Pacific, who would have had a much higher score if he had a larger multiplier to

back up his 826 contacts.

Susan Van Zyl, VQ2WZ got back home from a trip to the States, just in time to unpack, fire up her a.m. rig and nail down the third spot in the Top Ten. You fellows had better watch out, one of these days somebody is going to put Sue wise to this thing called sideband.

It's good to see Doctor Mike back again this year and move 5N2JKO two notches up the

ladder.

The call HC1AGI is new to the Top Ten but not so to Don McClenon, the voice behind the microphone. Don used to buck the QRM on 80 c.w. as W3EIS. He snagged only 5 European countries; normally, over 40 are available from Ecuador.

Our old standby KH6IJ is closely followed

*Contest Committee Chairman, CQ.

by XT2Z, which was put on the air for the contest by Louis Kaiser, 9G1DP. All but 12 of Lou's 587 contacts from Upper Volta were made on 21 and 14 mc. Man, did his pile-up murder the bands.

PJ2AF and ZE7JV are not exactly new comers to our contest, but this is probably the

first time they went at it seriously.

I don't recall having seen 4X4OC in the contest listing before. Not bad, making "The Box" on his first try, and using a.m. only.

The Single Band Award, the Barry Briskman, K21EG Cup was handily won by Peter Lamont, ZS7P on 14 mc. Peter not only had the most contacts on a single band but his multiplier of 38 Zones and 101 countries is the highest ever turned in on phone. Pete really worked for this one. His rig was put out of business when it was struck by lightning 8 days before contest time. He managed to get the loan of a 20A exciter and hastily built a 100 watt linear as described by W9VMQ in the September '61 issue of CQ. A 5-element Gonset beam did the rest.

Most of the activity and all the higher scores were produced by the overseas stations on the 20 meter band. Indicating that they must have experienced much better conditions than we had here on the North American continent. Those who made scores in six figures were DJ1BZ, DL5HI, G3NNT and KH6DLD in that order.

The gang on 21 mc gave a good account of themselves, even though their activity was limited by the abbreviated opening of the band.

There isn't too much spread in the scores at the top of the list. ZB1HC leads the pack. Dave was wondering what happened to the stateside stations on 21 mc. We in turn were wondering what happened to all those necessary European multipliers.

Not to be outdone by the OM who was creating a man sized storm over across the border in Upper Volta with his XT2Z expedition, Ruth, 9G1YL was creating her own little

pile-up on 21 mc.

The 15 meter activity out in the Pacific was curtailed by a complete blackout on the second day, but Pete, VR2DS came up with the highest score for the area, using only 35 watts and a G4ZU beam.

And that rare AP2MR didn't have a single W/K in his 189 contacts on 21 mc.



Over here on our baliwick, W2WZ and W4AXE were the only two with outstanding scores.

The signals on 10 have now faded down to a whisper. Conditions were very spotty with practically no openings to Europe. However those who stuck it out came up with some rewarding scores.

Our friend "Jaycee," LU1DAB leads the field by a wide margin. Even so, Juan was not happy. "Not a single JA," he complained, "worked 62 of them last year." The equipment he used was modest; 200 a.m. watts to a Mosley TA33 beam.

Wouldn't you know it, the two highest 28 mc scores in the country had to come from the same district.

Bet Herb Schoenbohm is muttering to himself. "Why couldn't I have done it from my home QTH as W@VXO?" But Augustana College is located in Illinois, which makes him a W9, so he has to settle for 2nd place behind W9PWU. The latter was operated by Don Miller, better known for his c.w. exploits as W9WNV. Both used a.m. only but Don had the advantage in power, 700 as compared to 150 watts. It was a close one. As a consolation Herb, we are issuing a 2nd Place certificate for your fine effort.

The anticipated European opening on 40 didn't materialize and pickings were pretty slim over here. The two Bobs, K2GXI and K2DGT did well to dig up 24 and 18 countries respectively. K2GL in the multi group also had a nice total on 40.

Fact is, things were tough all over and those 22,000 odd points made by 4X4DK is quite an accomplishment on 7 mc phone. It was s.s.b. that lured Ami back to contest competition. This is his first contest since 1956 when he won the All Band Trophy on phone.

Phone activity on 80 was strictly a European affair with I1AIM making 205 contacts and high score for the world. However it was our lone entry W1BU who had the outstanding signal on 3.8 mc. Imagine knocking off 40 countries on 80 phone in one week-end. Sam Harris must be using some of his secret v.h.f. technique on the 1.f. band. Come on Sam, let us in on the secret.

The happy DJ3OU crew, multi-transmitter entry. L. to r:—DJ4OT, DJ6WI, DJ3OU, DJ3YV, DL6NK, DL9GU and DL1HC. Now what do you suppose brought on all those smiles?

The team of R. F. B. Featherstone and Henning Overgaard, two well known contest men, combined their talents at VQ4RF and won the Don Merten, K2AAA Trophy. Now each one can display a Cup since Henning won the single operator award last year from his home station, VQ4DT. Henning expects to do some traveling and will be QRT for the next two years.

5A3CAD was also a two man team. The boys found Libya more productive, score-wise than their home location back in England.

An interesting sidelight was the operation of OH5SM. This was a family affair, OH5SM Carola the XYL, OH5NW Axel the OM and OH5NQ Peter the brother-in-law. Both Axel and Peter are winners of many awards in the past. And OH5NW won the Single Band Trophy on 28 mc back in the lush days of 1958. Wonder if ham radio was the cupid that brought Carola and Axel together.

Wonder if CT1EY, a familiar call in past contests, is also a family affair.

Not listed in "The Box" but very active and very much in demand was HV1CN. The operation of I1CNS, W2BBV and W2BIB is pretty well known by this time so any additional coverage would be repetitious. Their score would have been much higher but for the fact that they were hemmed in by the multitude of Europeans looking for that rare multiplier.

The multi-operator contestants here in the USA worked hard but none came up with an outstanding score. The two highest scores were turned in by W4HXC and W2JT.

The multi-transmitter activity was very disappointing. With a skeleton crew and only a short period of multi-transmitter operation, K2GL still came up with the highest score. Having won the Don Wallace, W6AM Trophy last year, they of course are not cligible for the Trophy this year. Therefore the Cup goes to DJ3OU with a score lower than some of the single transmitter stations. Unless this classification shows more activity we will have to eliminate it from the contest. The average "multi groups" are not getting the most out of their possibilities. As an example, it took eleven club members at DL5BR to nose out a two man crew at DL4FX. And 11 operators at G3OHM found the contest too long and suggested the operating time be cut down to 36 hours.

Maybe the multies in the c.w. section will show a better return for their efforts. Next month's issue will tell the story. That is if Andy W1GYE, Ben W2JB and Mac W2BO can dig themselves out from under the mountain of logs that have still to be processed.

73, for now, Frank, W1WY

Top Ten

ALL BAND-SINGLE OPERATOR

	CX2CO	876,304	
KW6DG	349,492	KH6IJ	259,341
VQ2WZ	337,176	XT2Z	257,153
5N2JKO	302,222	PJ2AF	250,746
HCIAGI	290,928	4X4OC	244,016
	ZE7JV	220,239	

Top Five

MULTI-OPERATOR SINGLE TRANSMITTER

	VQ4RF	542,244	
5A3CAD	338,100	DJ3VM	233,412
OH5SM.	254,664	CT1EY	200,169

Top Five

MULTI-OPERATOR MULTI-TRANSMITTER

	K2GL	319,144	
DJ3OU	220,818	DL4FKT	58,286
K6EVR	103,170	I1KQ	40,608

Continental Leaders SINGLE BAND

28 Mc LU1DAB79,643 VQ2WR33,456 W9PWU24,642 DJ1LP4,956	ZS7P
21 Mc	7 Me
ZB1HC 57,009	4X4DK22,410
9G1YL 51,000	K2GXI 2,680
AP2MR 34,240	G3JUL 2,666
W2WZ31,980	3.5 Mc
W2WZ31,980 PY3AHJ29,039	3.5 Mc 11AIM7,560

U. S. A.

Leaders and Runners-up

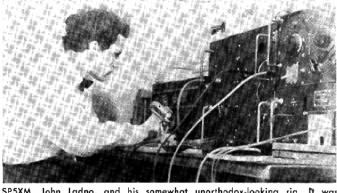
All	Bar	ndW5MDX	57,883
28	Мc	WØVXO/9	24,242
21	Mc	W4AXE	22,350
14	Mc	K2IEG	35,245
7	Мc	K2DGT	1,612

SINGLE OPERATOR North America

United States

W10NK W1FZ W1CKA W1BIH W1WY W1APA K1RTB W1BU 3	A 14 .8	128,812 37,281 12,825 12,348 5742 5672 30,358 3760	272 119 67 57 48 46 142 43	50 32 36 30 22 27 13	79 53 48 36 30 59
W2WZ 2	A A	142,112 89,474 34,809 31,164 29,988 22,750 20,025 18,564 8255 6440 4462 225 3936 31,980 35,245 32,660 1612	277 221 109 110 117 90 94 77 56 59 43 9 171 175 138 36 32	71 56 48 34 46 32 33 40 27 21 22 25 28 16	148 110 75 72 73 59 56 62 38 35 28 35 70 64 24 18
W3AYD 2 K3BGX 2 W3EGD	A 4 28	2530 24,768 18,325 5760 2822 1682	30 108 100 62 38 26	20 27 24 13 12 12	26 59 51 32 22 17
W4DHZ W40M W40PM K4ASU K4HMX W4SSU W4DS	A	43,840 42,108 31,232 23,100 12,495 6313 4814	159 132 108 102 70 52 43	54 47 44 37 33 21 26	86 85 78 63 52 38 32

W4ZM "	2580	29	20	23	K5UYF "	1380	23	14	16
W4EED 28	1428	19	10	18	VCCTV A	20,793	100	38	49
KACVO II	280	.9	5	9	WA6LYX	15,743	86	44	47
		136	24	51					
	22,350				NOUF A	340	10	10	- 7
MAINGIN	18,612	124	21	45	K6CT 28	1464	30	10	14
F4+D1/1/	6713	57	17	32	WA6DNM 21	390	11	7	8
K4TJL 14	22,428	114	25	59	W6EKZ 14	25,110	114	31	59
W4HNW ''	15,762	78	27	47					
W4KFC "	9150	62	21	40	W7ESK A	62,634	210	58	88
W4HUE "	7540	57	17	35	W7DQM ''	1166	29	10	12
W4NYF ''	5724	53	20	34	W7DLR 14	60	4	3	3
W4RLS "	4998	41	18	31				_	_
W4SHL "	361	13	8	11	K8CFU A	17.954	86	37	57
	561				W8TWA/8	16.647	79	36	57
K5MDX A	157,883	322	70	143	W8WT "	9869	69	27	44
W8RMF/5"	16,015	73	40	55	W8SMQ "	9180	56	26	42
W5SU "	3213	33	24	27	K8RMK '	3038	36	21	28
K5SBN 28	4407	59	12	27	W8UMR 28	8195	71	17	38
MELOO II	1504	22	15	17	W8RTF 21	1820	30	15	20
W5WZQ 21	6486	61	17	29	W8KIA 14	26,448	123	26	61
W5KC 14	14,560	95	24	46	W8JIN 7	900	25	10	15



SP5XM, John Ladno, and his somewhat unorthodox-looking rig. It wa still good enough to win the All Band award.



Capt. Bart Blakeley, DL4PB, another service-man winner. This one on 40 phone, a tough assignment from Europe. That's a DX-100 with an s.s.b. adapter.



Djuro and Mira and the neat layout that made YU1AG the winner on 20 phone. They really build them over there. All that equipment for 70 watts.

DJ6WI keeping busy at the 40 meter operating position at DJ3OU.



W9NZM W9EWC									•		
		40 440	145	62	90	VQ2MS	**	70,890	195	45	94
	A	42,442 40,689	147	53	84	VQ2MS VQ2JG	44	682	23	43	13
W9PWU	28	24,642	147	24	50		28	33,456	174	19	49
WØVXO/9		24,282	143	23	48		Rh	odesiα, ŝ	So.		
K9ECE	21	6650	60	19	31 17	ZE7JV	Α	220,239	366	69	142
W9WID W9EGQ	14	1410 2812	21 37	13 16	21		14	36,080	166	26	56
WØNFA	Ā	14,976	89	30	48			mish Gui		13	26
WØBTD	6.4	6664	44	31	37	EAØAB	21	4329	51	13	20
WøMCX	"	2220	28	15	22	ZS2H1	14	outh Afric 13,053	2α 91	21	36
KØLFY	21 14	2275 4158	37 47	14 18	21 24	ZS2H1				21	30
WØOMH	14		4,		2-7	ZS7P	14	Swazilano 225,597	562	38	101
KL7FBC	14	Alaska 6344	154	14	22	2011		pper Vol		••	
KL7JDO	177	2392	39	12	14	XT2Z	A	257,153	587	46	105
		Bahamas						_ `			
VP7BP	A	50,735	655	33	40			Asia			
		Barbados						Aden			
VP6AM	28	11,832	141	18	33	VS9AAC	A	39,272	123	35	59
		Bermuda			74		В	ahrain Is	3.		
VP9AK	A	49,206	232	44	74	MP4BDC	A	21,567	114	25	54
MEGNEO	01	Canada	29	8	14	MP4BBW	14	83,032	293	29	78
VE2AFC VE2NV	21 14	1430 4 730	50	14	29	VZOCV		Burma	161	45	В4
VE3B0G	À	25,894	130	44	63	XZ2SY	A	43,086	161	43	04
WØATH/VE3	44	23,166	97	52	65	4\$7YL	Α	Ceylon 19,285	103	35	60
VE3BMB	21	13,452 3638	109 69	29 13	47 21	40712	^	Cyprus			
VE4SD	Â	5562	71	23	31	ZC4FC	Α	14,790	100	11	40
VESQC	A	7850	135	26	24			India			
VEGHG	A	5088	52	25	28		14	45,243	183	27	72
VE6TP VE6VK	14	6750 4797	47 53	23 18	31 23	VU2CK		9100	98	17	35
VETEH	А	15,620	145	30	41			Iran			
		Canal Zon				EP2BB	A	43,788 3285	201 34	26 18	56 27
KZ5TD	A	92,877	257	59	107		21	20,445	102	28	59
KZ5SW	"	11,390	264	17	17		14	43,056	197	27	65
KZ5LC	14	49,650	546	28	47			Israel			
T12WA	28	Costa Rica 16,254	164	21	42	4X40C	A	244,016	429 105	61 18	155 47
112444	20	Cuba				4X4MJ 4X4DK	7	19,825 22,410	147	12	42
CO2CT	Α	27,432	146	43	65			Tapan			
	(Grand Tur				JA1BK	A	41,280	162	45	75
VP5CH	A	25,484	505	21	25	JA1BWA JA2XW	::	38,350 11,627	154 79	46 32	72 45
KAAED		Greenland		10	22	JASIW	**	7502	58	24	38
KG1FD	Α	10,412	186	16	22	JA1BUI	**	3280	46	17	24
TG5HC	A	Guatemalo 548	26	8	10	JA1BOZ	44	1628 1512	22 29	16 12	20 16
TG5HC	_	340	20			JA1YL	4.1				
		Haiti					4.1	1156	26		20
HH2ML	14	Ηαiti 2450	67	9	16	JA4AS JA1BYM	44	1156 812	26 21	14 12	20 17
HH2ML	14	2450 Jamaica	67	9	16	JA4AS JA1BYM JA7KY	"	812 630	21 18	14 12 10	17 11
HH2ML	14 A	2450	67 778	9 42	16 51	JA4AS JA1BYM JA7KY JA3AA	44	812 630 621	21 18 22	14 12 10 8	17 11 12
VP5BL	A	2450 Jamaica 86,397 Mexico	778	42	51	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR	**	812 630 621 350 228	21 18 22 15 13	14 12 10 8 6	17 11 12 8 7
VP5BL	A	2450 Jamaica 86,397 Mexico 1035	778	42	51	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR JA6NP	21	812 630 621 350 228 13,510	21 18 22 15 13 93	14 12 10 8 6 6 26	17 11 12 8 7 44
VP5BL XE1FFX XE3BL	A A 21	2450 Jamaica 86,397 Mexico 1035 5320	778 22 71	42 10 15	51	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA2AEY	**	812 630 621 350 228 13,510 12,672	21 18 22 15 13 93 92	14 12 10 8 6 6 26 26	17 11 12 8 7 44 40
VP5BL XE1FFX XE3BL XE1ZE	A 21 14	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama	778 22 71 421	10 15 23	51 13 25 34	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA2AEY JA1FSL	21	812 630 621 350 228 13,510	21 18 22 15 13 93	14 12 10 8 6 6 26	17 11 12 8 7 44
VP5BL XE1FFX XE3BL	A A 21	2450 Jamaica 86,397 Mexico 1035 5320 28,785	778 22 71	42 10 15	51 13 25	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR JA6AP JA2AEY JA1FSL JA3BEA JA1CIB	21	812 630 621 350 228 13,510 12,672 9720 6519 4185	21 18 22 15 13 93 92 80 60 50	14 12 10 8 6 6 26 26 22 20 19	17 11 12 8 7 44 40 38 33 26
XE1FFX XE3BL XE1ZE HP1AC	A 21 14 A	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric	778 22 71 421 39	10 15 23	51 13 25 34 20	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA2AEY JA1FSL JA3BEA JA1CIB JA6GT	21	812 630 621 350 228 13,510 12,672 9720 6519 4185 2880	21 18 22 15 13 93 92 80 60 50 43	14 12 10 8 6 26 26 22 20 19 15	17 11 12 8 7 44 40 38 33 26 25
VP5BL XE1FFX XE3BL XE1ZE HP1AC	A 21 14 A	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016	778 22 71 421 39	42 10 15 23 16	51 13 25 34 20 49	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA2AEY JA1C1B JA3BEA JA1C1B JA6GT JA1CYV	21	812 630 621 350 228 13,510 12,672 9720 6519 4185 2880 1836	21 18 22 15 13 93 92 80 60 50 43 32	14 12 10 8 6 26 26 22 20 19 15 13	17 11 12 8 7 44 40 38 33 26 25 21
XE1FFX XE3BL XE1ZE HP1AC	A 21 14 A	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric	778 22 71 421 39	10 15 23	51 13 25 34 20	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA2AEY JA1FSL JA1C1B JA6GT JA1CYV JA6PY JA3BBG	21.	812 630 621 350 228 13,510 12,672 9720 6519 4185 2880	21 18 22 15 13 93 92 80 60 50 43 32 26 26	14 12 10 86 66 26 22 20 19 15 13 14	17 11 12 8 7 44 40 38 33 26 25 21 20 16
XE1FFX XE3BL XE1ZE HP1AC KP4A00 KP4CL KP4AVQ	A 21 14 A 14	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen	778 22 71 421 39 186 405 155	10 15 23 16 35 26	51 13 25 34 20 49 61 22	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA2AEY JA1FSL JA3BEA JA1CIB JA6GT JA1CYV JA6PY JA3BBG JA3BBG JA1DEX	21	812 630 621 350 228 13,510 12,672 9720 6519 4185 2880 1836 1530 1300 1012	21 18 22 15 13 93 92 80 50 43 32 26 26	14 12 10 86 66 26 22 20 19 15 13 14	17 11 12 8 7 44 40 38 33 26 25 21 20 16
XE1FFX XE3BL XE1ZE HP1AC KP4A00 KP4CL	A 21 14 A 14	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205	778 22 71 421 39 186 405 155	10 15 23 16 35 26	51 13 25 34 20 49 61	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA6NP JA2AEY JA1FSL JA3BEA JA1CTY JA1CYV JA3BBG JA6CT JA1CYV JA3BBG JA6DEU JA1DEU JA1DEU JA1DEU JA1DEU	21.	812 630 621 350 228 13,510 12,672 9720 6519 4185 2880 1836 1530 1300 1012 866	21 18 22 15 13 93 92 80 50 43 32 26 26 19 21	14 12 10 8 6 6 26 22 20 19 15 13 14 9 9 8	17 11 12 8 7 44 40 38 33 26 25 21 20 16 14
XE1FFX XE3BL XE1ZE HP1AC KP4A00 KP4CL KP4AVQ	A 21 14 A I A 14	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660	778 22 71 421 39 186 405 155	10 15 23 16 35 26 13	51 13 25 34 20 49 61 22	JA18YM JA18YM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA1ALX JA4AGR JA1FSL JA1C1B JA3BEA JA1C1B JA6GT JA1CYV JA6PY JA1BEX JA1DEX JA1DEX JA1DEX JA1CYG JA1CYG	21	812 630 621 350 228 13,510 12,672 9720 6519 4185 2880 1836 1530 1300 1012	21 18 22 15 13 93 92 80 50 43 32 26 26	14 12 10 86 66 26 22 20 19 15 13 14	17 11 12 8 7 44 40 38 33 26 25 21 20 16
XE1FFX XE3BL XE1ZE HP1AC KP4A00 KP4CL KP4AVQ	A 21 14 A I A 14	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africa	778 22 71 421 39 186 405 155	10 15 23 16 35 26 13	51 13 25 34 20 49 61 22	JA18YM JA18YM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA1ALX JA4AGR JA1FSL JA1FSL JA1GBB JA3BEA JA1C1B JA6GT JA1CYV JA6PY JA6PY JA1DEX JA1DEX JA1DEX JA1DEX JA1DEU JA1DER JA1DER	21	812 630 621 350 228 13,510 12,672 9720 6519 4185 2880 1836 1530 1300 1012 866 860 800 760	21 18 22 15 13 93 80 60 543 32 26 26 19 21 25 24 23	14 12 10 8 6 6 26 26 22 20 19 15 13 14 9 9 8 8 8 7 8	17 11 12 8 7 44 40 38 326 25 21 20 16 14 11 12 12
XE1FFX XE3BL XE1ZE HP1AC KP4A00 KP4CL KP4AVQ VP2SY	A 21 14 A I A 14	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africa	778 22 71 421 39 186 405 155	10 15 23 16 35 26 13	51 13 25 34 20 49 61 22	JA4AS JA1BYM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA2AEY JA1FSL JA3BEA JA1CIB JA6GT JA1CIB JA6GT JA1CIB JA6GY JA1DEU JA1DEU JA1DEU JA1DEU JA1DEU JA1DEU JA1DEU JA1DER JA1DER JA1DER JA1DER JA1DER JA1DER JA1DER JA1DER JA1DER	21	812 630 621 350 250 272 9720 6519 4185 2880 1300 1012 866 860 760	21 18 22 15 13 93 92 80 50 43 22 26 21 25 24 21 25 24 23	14 12 10 8 6 6 26 22 20 19 15 13 14 9 9 8 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	17 11 12 8 7 44 40 38 326 25 21 20 16 14 11 12 12
XE1FFX XE3BL XE1ZE HP1AC KP4A00 KP4CL KP4AVQ VP2SY	A 21 14 A 14 A 14 A 14	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africa Angola 60,350	778 22 71 421 39 186 405 155 1 96	10 15 23 16 35 26 13 23	51 13 25 34 20 49 61 22	JA18YM JA18YM JA7KY JA3AA JA1ALX JA4AQR JA6NP JA1ALX JA4AGR JA1FSL JA1FSL JA1GBB JA3BEA JA1C1B JA6GT JA1CYV JA6PY JA6PY JA1DEX JA1DEX JA1DEX JA1DEX JA1DEU JA1DER JA1DER	21	812 630 621 350 228 13,510 12,672 9720 6519 4185 2880 1836 1530 1300 1012 866 860 800 760	21 18 22 15 13 93 80 60 543 32 26 26 19 21 25 24 23	14 12 10 8 6 6 26 26 22 20 19 15 13 14 9 9 8 8 8 7 8	17 11 12 8 7 44 40 38 33 26 25 21 20 16 14 11 12
XE1FFX XE3BL XE1ZE HP1AC KP4A00 KP4CL KP4AVQ VP2SY	A 21 14 A 14 A 14 A 14	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africa	778 22 71 421 39 186 405 155 1 96	10 15 23 16 35 26 13 23	51 13 25 34 20 49 61 22	JA4AS JA1BYM JA7KY JA3AA JA1AQR JA4AQR JA6AP JA2AEY JA1FSL JA3BEA JA1CIB JA6GT JA1CV JA6PY JA3BEA JA1CV JA6PY JA3BEA JA1DEU JA1CYG JA1DEU JA1CYG JA1HE JA1DDR JA1HE JA1DDR JA1FAF JA9UU JA1FAF	21	812 630 621 350 228 13,510 12,672 9720 6119 4185 2880 1330 1300 1012 866 860 860 760 760 740 684 495	21 18 215 13 93 92 80 50 43 326 226 19 21 224 23 18 16 14 13	14 12 10 8 6 6 26 22 20 9 15 13 14 9 9 8 8 8 7 8 8 9 6 10	17 111 122 8 8 44 40 38 33 265 225 211 20 16 111 112 122 129 9
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XE1FFX XE3BL XE1ZE HP1AC KP4A00 KP4CL KP4AVQ VP2SY	A 21 14 A 14 A	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africo Angola 60,350 Canary Is 3,300 Egypt	778 22 71 421 39 186 405 155 t 96	42 10 15 23 16 35 26 13 23 25	51 13 25 34 20 49 61 22 32	JA4AS JA1BYM JA7KY JA3AA JA1AQR JA4AQR JA6AP JA2AEY JA1FSL JA3BEA JA1CIB JA6GT JA1CV JA6PY JA3BEA JA1CV JA6PY JA3BEA JA1DEU JA1CYG JA1DEU JA1CYG JA1HE JA1DDR JA1HE JA1DDR JA1FAF JA9UU JA1FAF	44 44 44 44 44 44 44 44 44 44 44 44 44	812 630 621 350 228 13,510 12,672 9720 6119 4185 2880 1330 1300 1012 866 860 860 760 760 740 684 495	21 18 215 13 93 92 80 50 43 326 226 19 21 224 23 18 16 14 13	14 12 10 8 6 6 26 22 20 9 15 13 14 9 9 8 8 8 7 8 8 9 6 10	17 111 122 8 8 44 40 38 33 265 225 211 20 16 111 112 122 129 9
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XE1FFX XE3BL XE1FFX XE3BL XE1FFX XE3BL XE1FFX XE1FF	A 21 14 A 14 A	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africa Angola 60,350 Canary Is 3,300 Egypt 106,122 Ghana 51,000	778 22 71 421 39 186 405 155 t 96	42 10 15 23 16 35 26 13 23 25	51 13 25 34 20 49 61 22 32	JA4AS JA1BYM JA7KY JA3AA JA1AKY JA4AQR JA6NP JA1ALX JA4AQR JA6NP JA1CIB JA3BEA JA1CIB JA6GT JA1CIB JA6PY JA1BES JA1CYV JA6PY JA1DEU JA1AGE JA9UU JA1AGE JA9UU JA1AGE JA9UU JA1AGE JA9UU JA1AGE JA1DDH JA8AGE JA3CE	21	812 630 621 350 13,510 12,672 9720 6119 4185 2880 1836 860 860 760 740 684 495 400 338 180 99 70	21 188 22 15 13 93 99 80 60 60 20 21 25 24 23 18 11 13 13 99 77	14 12 10 86 66 22 20 19 15 13 14 9 9 8 8 7 8 8 8 9 6 10 5 10 5 10 5 10 5 10 5 10 5 10 5 10	17 11 12 8 7 44 44 40 38 33 26 25 21 20 16 11 11 12 12 12 19 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10
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XE1FFX XE1FFX XE3BL XE1ZE HP1AC KP4ADO KP4CL KP4AVQ VP2SY CR6CA EABCN VE3BQL/SU	A A 14 A A A 21 A	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africa 60,350 Canary Is 3,300 Egypt 106,122 Ghana 51,000 Libya	778 22 71 421 39 186 405 155 t 96 1 292 273 213 372	42 10 15 23 16 35 26 13 23 25 11 38 21	51 13 25 34 20 49 61 22 32 46 19	JA16YM JA18YM JA18YM JA3AA JA16YM JA3AA JA16XP JA17AF JA17	21	812 630 621 350 228 13,510 6519 4185 2880 1530 1012 866 860 760 800 760 800 7740 684 495 400 338 180 99 70 2 22,344 6958 4368	21 188 93 92 860 500 433 226 226 226 23 118 131 79 71 131 79 29	14 12 10 86 66 26 22 22 22 99 15 13 14 99 88 87 88 96 10 54 55 11 26 11 12 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	17 11 12 28 77 44 40 38 33 32 26 22 21 12 22 12 12 12 12 12 10 86 44 44 44 44 44 44 44 44 44 44 44 44 44
XE1FFX XE1FFX XE3BL XE1ZE HP1AC KP4A00 KP4CL KP4AVQ VP2SY CR6CA EABCN VE3BQL/SU 9G1YL 5A3TY	A A 14 A A 21 A A 21 A A 21	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africa 60,350 Canary Is 3,300 Egypt 106,122 Ghana 51,000 Libya 189,826	778 22 71 421 39 186 405 155 t 96 [292 38 273 213 372 377	42 10 15 23 16 35 26 13 23 25 11 38 21 53	51 13 25 34 20 49 61 22 32 46 19 100 64 129 23	JAAAS JA18YM JA18YM JA7KY JA3AA JA1AKY JA3AA JA4AQR JA6NP JA2KY JA3BEA JA1C1B JA3BEA JA1C1B JA1CYV JA6NY JA1DEX JA1DEX JA1DEX JA1DEX JA1DEX JA1DER JA2DER JA	21 00 00 00 00 00 00 00 00 00 00 00 00 00	812 630 621 350 228 13,510 6119 720 6119 4185 2880 1836 860 760 760 760 760 740 338 180 99 70 2 22,344 6958 4368 1716	21 188 22 153 93 92 860 500 500 502 266 199 211 25 24 24 23 18 16 16 17 17 17 17 18 19 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	1412 1086662622 1951314 998887888960554531 261988111	17 11 12 8 74 440 388 333 225 21 12 12 13 11 12 12 13 14 44 44 44 15 10 10 10 10 10 10 10 10 10 10 10 10 10
VP5BL XE1FFX XE3BL XE1ZE HP1AC KP4ADO KP4AVQ VP2SY CR6CA EA8CN VE3BQL/SU 9G1YL 5A3TY 5R8AD CN8EU	A 21 14 A A 21 A A	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africa 60,350 Canary Is 3,300 Egypt 106,122 Ghana 51,000 Libya 198,826 Jadagasca 3108 Morocco 105,588	778 22 71 421 39 186 405 155 t 96 292 38 273 213 372 377 377 377	42 10 15 23 16 35 26 13 23 25 11 38 21 53 14 36	51 13 25 34 20 49 61 22 32 46 19 100 64 129 23 90	JA16YM JA18YM JA18YM JA3AA JA16YM JA3AA JA16XP JA17AF JA17	21	812 630 621 350 228 13,510 6519 4185 2880 1836 860 760 760 760 760 760 760 760 760 2 22,344 495 495 406 1866 684 495 495 407 222,344 6958 4368 1344 713	21 18 22 15 13 93 92 80 60 43 32 26 26 21 25 24 23 11 31 13 13 13 13 9 9 9 7 1 1	14 12 10 86 66 26 22 20 19 15 31 4 9 9 8 8 7 8 8 9 6 10 5 10 10 10 10 10 10 10 10 10 10 10 10 10	17 11 12 8 7 44 40 38 33 32 62 52 21 11 11 12 12 12 9 9 10 8 8 6 4 4 4 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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XE1FFX XE1FFX XE3BL HP1AC KP4A00 KP4AVQ VP2SY CR6CA EA8CN VE3BQL/SU 9G1YL 5R3TY 5R8AD CN8EB CR7CI	A A 14 A A 21 A NA	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africa 60,350 Canary Is 3,300 Egypt 106,122 Ghana 51,000 Libya 189,826 Jadagasca 3108 Morocco 105,588 Morocco 105,588 J1,322 Jozambiqu 3737 Nigeria	778 22 71 421 39 186 405 155 155 1 96 [292 273 213 372 372 374 306 80	42 10 15 23 16 35 26 13 23 25 11 38 21 53 14 36 17 13	51 13 25 34 20 49 61 22 32 46 19 100 64 129 23 90 34 24	JA4AS JA1BYM JA1BYM JA7KY JA3AA JA7KY JA3AA JA1ALX JA4AQR JA6NP JA1AFSL JA1FSL JA1FSL JA1GNP JA3BEA JA1C1B JA1CYV JA6NP JA1DEX JA1DEX JA1DEX JA1DEX JA1DEX JA1DEX JA1DER JA2AR JA1DER JA3ACC JA3CED JA2ANX JA6AK JAABC	21 mm	812 630 621 328 13,510 6519 4185 2880 1530 1012 866 860 760 800 7740 684 495 400 338 180 99 70 2 22,344 6958 4368 4368 4368 4365 4368 4368 4368 4368 4368 4368 4368 4368	21 188 93 92 92 93 92 93 94 33 32 26 26 26 21 21 22 24 23 31 31 31 31 31 31 31 31 31 31 31 31 31	14120 8666622209153149988878889605453126611811009785	1711112288744400388832662551220614411112121331222165030444111112129910000000000000000000000000
VP5BL XE1FFX XE3BL XE1ZE HP1AC KP4A00 KP4AVQ VP2SY CR6CA EABCN 9G1YL 5A3TY 5R8AD CN8EU CN8EB CR7CI 5N2JKO	A A 14 A A 21 A N A A A A A A A A A A A A A A A A A	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africo Angola 60,350 Canary Is 3,300 Egypt 106,122 Ghana 51,000 Libya 198,826 Jadagasca 108,826 Jadagasca 105,588 Morocco 105,588 11,322 Jozanbiqu 3737 Nigeria 302,220	778 22 71 421 39 186 405 155 t 96 1 292 38 273 372 213 372 213 306 80 10 41 485	42 10 15 23 16 35 26 13 23 25 11 38 21 53 14 36 17 13	51 13 25 34 20 49 61 22 32 46 19 100 64 129 23 90 34 24 165	JAAAS JA18YM JA18YM JA7KY JA3AA JA7KY JA3AA JA4AQR JA6NP JA2KEY JA1SEA JA1CIB JA3BEA JA1CIB JA1CYV JA6PY JA1BEA JA1CYV JA6PY JA1DEX JA1DEX JA1DEX JA1DEX JA1DEX JA1DEX JA1DER JA1	21	812 630 621 350 228 13,510 6519 4185 2880 1836 860 760 760 7760 7760 7760 7760 7760 7	21 188 93 92 92 93 92 93 94 33 32 26 26 26 21 21 22 24 23 31 31 31 31 31 31 31 31 31 31 31 31 31	1410 8666 222 09915314 998878896054531 6997 851	1711112288744400388832662551220614411112121331222165030444111112129910000000000000000000000000
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XE1FFX XE1FFX XE3BL HP1AC KP4A00 KP4AVQ VP2SY CR6CA EA8CN VE3BQL/SU 9G1YL 5A3TY SR8AD CN8EU CN8EU CN8EB CR7CI 5N2IKO 5N2IKO	A A11 A A A A A A A A A A A A A A A A A	2450 Jamaica 86,397 Mexico 1035 5320 28,785 Panama 2340 Puerto Ric 23,016 61,074 7205 St. Vincen 11,660 Africo Angola 60,350 Canary Is 3,300 Egypt 106,122 Ghana 51,000 Libya 109,826 Morocco 105,588 11,322 Morocco 105,588 11,322 Morocco 105,588 21,322 Morocco 105,588 11,322 Morocco 105,588 11,322 Morocco 105,588	778 227 71 39 186 405 155 t 96 292 38 273 213 372 213 306 80 30 30 41 485 1300 46	42 10 15 23 16 35 26 13 23 25 11 38 21 53 14 36 17 13 65 18	51 13 25 34 20 49 61 22 32 46 19 100 64 129 23 90 34 24	JA164AS JA18YM JA18YM JA3AA JA164W JA3AA JA164W JA26Y JA16FSL JA16FSL JA16TSL	21 n n n n n n n n n n n n n n n n n n n	812 630 621 350 12,672 9720 6519 4185 2880 1530 1010 860 860 760 760 864 4495 400 99 97 70 22,344 6958 4368 1716 1344 770 4368 1344 770 4368 4368 4368 4368 4368 4368 4368 4368	21 188 93 92 92 93 92 93 94 33 32 26 26 26 21 21 22 24 23 31 31 31 31 31 31 31 31 31 31 31 31 31	14120 866666 222 229 153 14 9 9 8 8 7 8 8 9 60 5 4 5 3 1 26 9 8 14 11 10 10 9 7 8 5 1 1 1 5	1711112288744400388832662551220614411112121331222165030444111112129910000000000000000000000000

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M1AP M4AQ		A 14	Koreα 216 1 7,596	24 156	3 21	6 32	OH2GF " OH2GC " OH2CM "	972 836 459	30 37 26	8 5 5	19 17 12
was.		14	Lαos 9350	88	20	35	OH3NY " OH1VA 7	30 1300	5 50	3 6	3 19
D5CN		14	Lebanon 48,114	214	21	60	F8WE A	35,211	245	29	92 69
P2MR		Pα 21	kistan, W 34,240	est 189	24	56	F3PK "	25,602 12,118 3120	166 104 68	33 24 10	59 30
KR6NB		21	Ryukyu Is 8,448	134	20	28	F8TM " F8XP 21	240 4 704	11 60	13	10 36
KR6LJ KR6OH		14	25,776 2,838	1 55 66	26 15	46 18	F2R0 14 F9L0 "	851 532	29 28	6	17 16
		A	Thailand 18,128	122	32	56	F2YT 3.5 F7HM 14	2357 37,233	89 281	4 18	23 45
HS1K .		14	3946 U.S.S.R.	56	17	25	DL1FK A	Germany 84,337	285	38	83
UASCH		A	Asiatic 12,870	137	22 13	56	DJ2AA "	64,944 64,032	233 224	52 38	124 136
UA9DN UAØLO		21	1 5,336 5 143	119 99	16	41 21	DJ7CL "	61,451 36,125	297 188	33 31	130 94
UA9DT		14	32,109	163	21	56	DJ5BVA "	33,411	222	26	103
JA901 Ja9VS		44	12,824 2 813	104 42	16 10	40 19	DL7BQ "	27,248 15,035	116 97	39 27	92 70
UAØKUA	١	**	54	17	3	3	DL7EN "	10,720 8892	76 109	26 15	54 63
JF6FB .		14	Georgia 28,840	153	17	53	DM2BEL " DJ1PN "	4667 4235	83 49	15 14	44 41
UG6AW		14	4 212	56	6	20	DL3DC " DJ1LP 28	4120 4956	56 51	12 14	28 28
			3,050 Kazakh	42	5	20	DL3TJ 21 DJ1ZG "	35,200 14,490	175 92	23 19	77 50
JL7FA		Α.	21,450 Kirghiz	127	22	53	DJ1BZ 14	520 145,452 62,016	15 473 262	32 32	13 92 82
JA1CC/	UMI	В 14	19,282	133	20	42	DL7HU "	25,925	170	24	61
							DJ3CP " DJ2YS "	17,544 3444	112 63	20 10	66 32
		Ľ	Lurope	E			DL6EY "	2886	44	11	28
E1DH		A	Austria 127,916	376	57	169	DL5GP "	1767 1286	49 41	6 7	25 22
DE1WO			924	34	6	22	DL9YC "	1092	28	8	18
DE1RZ .		14	79,072 Belgium	316	32	80	DM3XL 3.5 DL51X A	7 936	68 68	2 20	3 44
N4SZ		A	119,280	283	59	173	DL5HI 14 DL5BK "	114,121 35,784	469 204	29 26	90 58
ON4QX ON4⊔		14	4320 1120	52 28	19 7	35 25	DL4NQ " DL5EI	35,244 3293	185 83	28	61 28
Z1KDP		A	Bulgaria 24,000	191	25	75	DL4PB 7	2190 Gibraltar	73	5	25
K1ZL		Cze	44,380	kiα 269	27	113	ZB2AD 21	10,712 Greece	154	12	40
K1JX			31,059	214	28	91	SVØWL 14	8024	97	15	44
K1KNL K2LN		**	7303 381 6	90 72	16 16	51 37	SVØWB "	345 Hungary	20	5	10
K2WE		21	528 4 100	19 61	5 9	11	HA90Z A	59,164	311	34	110
K1VB K3KAB		14	26,400	265	22	32 66	HA9KOB " HA5DG	9328 1716	150 41	14	39 28
K3KGI K2KOJ		**	7232 5412	130 118	12	37 32		Ireland			
K2QU		41	1144	40	7	15	E18P 14	18,963	180	17	46
K2KRO K2BBC		"	760 595	39 36	4 5	16 12	11CSP A	Italy 22,310	192	29	68
K1MP		3.5	1491	72	3	18	I1PHN " I1ZRW "	5734	81 35	14	44 21
Z5KG			Denmark								21
127JV		14		180	25	56	11ZLW 21	1102 27,405	161	22	65
		14	27,864 27,200	180 195	25 24	56 61	11ZLW 21 11CMA "	27,405 9145	161 68	22 15	44
)Z5KQ		"	27,864		25 24 18 19		11ZLW 21 11CMA " 11AIM 3.5	27,405 9145 7560 Malta	161 68 205	22 15 5	44 31
DZ5KQ DZ7BQ DZ8EA		**	27,864 27,200 17,136 9936 7268	195 149 97 118	24 18 19 11	61 50 50 35	I1ZLW 21 I1CMA " I1AIM 3.5 ZB1HC 21	27,405 9145 7560 Malta 57,009	161 68 205 428	22 15	44
DZ5KQ DZ7BQ DZ8EA DZ9QM DZ5JT		**	27,864 27,200 17,136 9936 7268 6493 3612	195 149 97 118 139 46	24 18 19 11 7	61 50 50 35 36 29	I1ZLW 21 I1CMA " I1AIM 3.5 ZB1HC 21	27,405 9145 7560 Malta 57,009 etherland	161 68 205 428 8 243	22 15 5 22 43	44 31 71 142
DZ5KQ DZ7BQ DZ8EA DZ9QM DZ5JT Z3KE		"	27,864 27,200 17,136 9936 7268 6493	195 149 97 118 139	24 18 19 11 7	61 50 50 35	112LW 21 11CMA " 11AIM 3.5 ZB1HC 21 PAØHBO A PAØWWP	27,405 9145 7560 Malta 57,009 (etherland 64,565 34,155	161 68 205 428 8 243 187	22 15 5 22 43 30	71 142 85
DZ5KQ DZ7BQ DZ8EA DZ9QM DZ5JT Z3KE DZ6RL		" " " " " " " " " " " " " " " " " " " "	27,864 27,200 17,136 9936 7268 6493 3612 1320 121 England	195 149 97 118 139 46 44 7	18 19 11 7 14 2	50 50 35 36 29 15 7	112LW 21 11CMA " 11AIM 3.5 ZB1HC 21 NPAØHBO A PAØWWP PAØUC " PAØHSJ "	27,405 9145 7560 Malta 57,009 (etherland 64,565 34,155 22,684 9514	161 68 205 428 s 243 187 146 105	22 15 5 22 43 30 27 18	71 142 85 80 53
DZ5KQ DZ7BQ DZ8EA DZ9QM DZ5JT Z3KE DZ6RL S3NFV S3LNG		 	27,864 27,200 17,136 9936 7268 6493 3612 1320 121 England 30,284 17,856	195 149 97 118 139 46 44 7	24 18 19 11 7 14 2 4	61 50 50 35 36 29	11 CMA	27,405 9145 7560 Malta 57,009 (etherland 64,565 34,155 22,684	161 68 205 428 8 243 187 146 105 67 37	22 15 5 22 43 30 27 18 10 8	44 31 71 142 85 80 53 39 21
DZ5KQ DZ7BQ DZ8EA DZ9QM DZ5JT Z3KE DZ6RL S3NFV G3LNG G3DKR		 	27,864 27,200 17,136 9936 7268 6493 3612 1320 121 England 30,284 17,856 15,698	195 149 97 118 139 46 44 7	24 18 19 11 7 14 2 4 40 24 28	61 50 50 35 36 29 15 7 94 69 66	11 CLW	27,405 9145 7560 Maita 57,009 (etherland 64,565 34,155 22,684 9514 3283 1769 31,524	161 68 205 428 8 243 187 146 105 67 37 177	22 15 5 22 43 30 27 18 10 8 21	44 31 71 142 85 80 53 39 21 50
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DZ5KQ DZ7BQ DZ9QM DZ5JT Z3KE DZ6RL B3NFV B3LNG B3DKR B3MWZ B3FXB B3NNT B3KXA		A A	27,864 27,200 17,136 9936 7268 6493 3612 1320 121 England 30,284 17,856 15,648 50,648 108,968 71,500	195 149 97 118 139 46 44 7 134 163 109 26 228 520 318	24 18 19 11 7 14 2 4 4 24 28 4 22 27 28	61 50 50 35 36 29 15 7 94 66 14 82 79 72	11 12 11 12 13 14 15 15 16 16 16 16 16 16	27,405 9145 7560 Malta 57,009 (etherland 64,565 34,155 22,684 9514 3283 1769 31,524 19,320	161 68 205 428 8 243 187 146 105 67 37 177 218	22 15 5 22 43 30 27 18 10 8 21 15 8	44 31 71 142 85 80 53 39 21 50 55 43 25 12
DZ5KQ DZ7BQ DZ8EA DZ9QM DZ5JT Z3KE DZ6RL B3NFV B3LNG B3DKR B3FXB B3FXB B3FXB B3FXB B3FXB B3FXB		A	27,864 27,200 17,136 9936 7268 6493 3612 1320 121 England 30,284 15,698 50,648 108,968 71,500 19,170	195 149 97 118 139 46 44 7 134 163 109 26 228 520	24 18 19 11 7 14 2 4 4 28 4 22 27	61 50 50 336 29 15 7 94 666 144 829 792 52	11 12 11 12 13 14 15 15 16 16 16 16 16 16	27,405 9145 9145 7560 Malta 57,009 Jetherland 64,565 34,155 22,684 9514 3283 31,524 19,320 6681 2160 2160 378 4368	161 68 205 428 8 243 187 146 105 67 37 177 218 106 67 13 156	22 15 5 22 43 30 27 18 10 8 21 15 8 5	44 31 71 142 85 80 53 39 21 50 55 43 25
DZ5KQ DZ7BQ DZ7BQA DZ9QM DZ5JT Z3KE DZ6RL S3NFV S3LNG S3DKR S3MWZ S3FXB S3KXA S3KXA S3KXA S3KZA S3KZA		A	27,864 27,200 17,136 936 7268 6493 3612 1320 121 England 30,284 17,856 15,698 50,648 101,500 19,170 1872 2666	195 149 97 118 139 46 44 7 134 163 109 26 228 520 318 140	24 18 19 11 7 14 2 4 40 24 28 4 22 27 28 19	61 50 50 35 36 29 15 7 94 66 14 82 79 72	11 12 11 12 13 14 15 15 16 16 16 16 16 16	27,405 9145 9145 7560 Malta 57,009 fetherland 64,565 34,155 32,684 9514 3283 1769 31,524 19,320 6681 2160 378 4369 4369 thern Irel 54,536	161 68 205 428 8 243 187 146 105 67 37 177 218 106 67 13 156	22 15 5 22 43 30 27 18 10 8 21 15 8	44 31 71 142 85 80 53 39 21 50 55 43 25 12
DZ5KQ DZ7BQ DZ8EA DZ9QM DZ5JT Z3KE DZ6RL 33NFV 33LNG 33LNG 33FXB 33FXB 33FXB 33FXB 33FXB 33FXB 33FXB 33FXB 33FXB 33FXB 33FXB 33FXB 33FXB 33FXB 33FXB		A	27,864 27,200 17,136 9936 6493 3612 1320 121 England 30,284 17,856 15,698 50,648 108,968 71,500 19,170	195 149 97 118 139 46 44 7 134 163 109 26 228 520 318 140 43	24 18 19 11 7 14 2 4 4 24 28 4 22 27 28 19 9	61 50 50 356 29 15 7 94 69 614 82 79 72 27	112LW 21 112LM 3.5 281HC 21 21 21 21 21 21 21 2	27,405 9145 77560 Malta 57,009 fetherland 64,565 34,155 22,684 9514 3283 1769 31,524 19,320 6681 2160 378 4369 thern Irel 54,536 Norway	161 68 205 428 8 243 187 146 67 37 1718 106 67 136 drud 295	22 15 5 22 43 307 218 10 8 21 15 8 5 6 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	44 31 71 142 85 80 53 39 21 50 55 43 25 12 25 99
DZSKQ DZSBEA DZSBEA DZSQM DZSJT ZSKE DZGRL BSDKR BSDK BSDKR BSDK BSDKR BSDK BSDK BSDK BSDK BSDK BSDK BSDK BSDK		A	27,864 27,200 17,136 9336 7268 6493 33612 1320 11,856 15,698 15,698 15,698 171,500 19,170 1872 2666 Finland 59,250 6720 260	195 149 97 118 139 46 44 7 7 134 163 109 26 228 520 318 140 43 81 236 116	24 18 19 11 7 14 24 40 24 22 27 28 19 96 39 10 8	61 500 335 369 1157 94 696 614 82 77 227 275 1196 120	11 12 12 13 14 15 16 16 16 16 16 16 16	27,405 9145 9145 97,009 Malta 57,009 Jetherland 64,565 34,155 22,684 9514 3283 31,524 19,320 6681 2160 378 4369 thern Irel 54,536 Norway 52,256 8600 1817	161 68 205 428 8 243 187 146 105 67 37 177 218 106 67 3156 and 295	22 15 5 22 43 30 27 18 10 8 21 15 6 3 3 3 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7	44 31 71 142 85 85 83 99 21 55 43 25 25 99 111 40 19
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ET3RS and Max de Henseler, ex-HB9RS. How's that for a neat layout? It also includes a 3 element beam and the QTH is 8200 ft. above sea level. The station was erected with the assistance of YN1EP. The arrival of OD5CT the day before the contest completed the 3-man crew. The boys are on the U.N. staff at Addis Ababa.



Roger St. Laurent, F7HM, the 14 mc winner for the service men in France. They are classified separately, you know.

Dr. Mike Dransfield, 5N2JKO, one of the Honored Ten. Not in the photo is the 45 watt transmitter used to run up that fine score.





DJ3YV jumping out of the blockhouse of DJ3OU preparing the 40 meter vertical via a hydrogen inflated balloon.

SPPNZ	SP7WZ SP9RJ	- 14	1110				UA4PW "		247 117	31 12	80
SPPNWZ	SP7WZ SP9RJ	- 14	1110				UA4PW "				20
SP9R	SP9RJ	14									3:
SP9RF 21	CRARE		54				UA4LN	1560	43	7	39 23
SPSCK		~ 4							19	6	15
SPSBT		- 11					O/12/10/				
SPSHS	CDEDT	4.4	7203				UDEEL A		000	45	4
CT1KF		- 14								45	150
CT1KF	CDOVAL	- 11	1100	31		10			162	21	61
CT1IKF A 39,680 248 31 73 UB5KED	SF SKAJ			45	o	10	UDDLY		139	19	59
CT1HX	OTIVE								317	25	73
CT1QF							UB5KED "	3440	71	12	28
CTIFM " 14,625 106 18 47 CTIPK " 13,481 110 17 44 WQ2AN A 19,976 14 Estonia WO3RK 14 4838 93 11 31 UR2AT " 748 2 Scotland GM3BCL A 21,780 200 20 70 GM3JDR 14 27,972 253 20 54 GM3NQB " 2700 109 3 22 VK2AHT 14 3724 3 Sicily " WXAPK 21 2806 4 ITITAL " 6825 86 15 50 WKSRU A 25,926 12 VK2AHT " 480 11 EA4GR A 61,420 238 46 102 EA2EL " 28,672 152 30 82 ZK1AR A 20,064 11 EA3NA " 6936 60 23 45 ZK1AR A 20,064 11 EA3NA " 6936 60 23 45 ZK1AR A 20,064 11 EA3NA " 6936 60 23 45 ZK1AR A 20,064 11 EA3NA " 6936 80 23 45 ZK1AR A 20,064 11 EA3NA " 6936 80 23 45 ZK1AR A 20,064 11 EA3NA " 6936 80 23 45 ZK1AR A 20,064 11 EA3NA " 6936 80 23 45 ZK1AR A 20,064 11 EA3NA " 8330 97 19 51 SM3BIZ A 71,040 314 39 121 SM5CZF " 24,300 189 27 81 KH6IJ A 259,341 66 SM5APP " 90 10 2 7 SM5APP " 90 10 2 7 SM7AIA " 8330 97 19 51 SM5APP " 90 10 2 7 SM5APP							V	Vhite Russ	siα		
CTIPK							UC2AA 1	4 60,030	325	30	88
CTI1C 13,322 110 16 45 Estonia Estonia Estonia Estonia Command Estonia Estonia Command Estonia E								Latvia			
Total Color							UQ2AN A	19,976	149	28	75
YOSRK	CT11C	. "	13,322	110	16	45					
Volume			Roumania	I			UR2BU 21		102	18	41
Scotland GM3BCL	Y03RK	14	4838	93	11	31			27	5	17
GM3BCL A 21,780 200 20 70 GM3JDR 14 27,972 253 20 54 Sicily VK2APK 21 2806 4 2700 109 3 22 VK2APK 21 2806 4 2806 4 27 2806 4 27 2806 4 27 2806 4 27 2806 4 27 2806 4 27 2806 4 27 2806 4 27 2806 4 27 2806 4 28 28 28 28 28 28 28			Scotland						67	š	12
GM3IDR	GM3BCL	Δ		200	20	70				-	
Cook Island			27,972								
Sicily		ii.					VKOAHT 1/I		39	15	23
TITTAI	Omonas			103		22			46	12	11
TITTAI	IT1704	٨	72 242	200	40	107			86	18	24
Spain			/3,313								
EA4GR	HITIAI			86	15	50				38	49
EA2EL " 28,672 152 30 82 ZK1AR A 20,064 11 EA3NA " 6936 60 23 45 ZK1BS 14 5332 7 EA7IT " 3559 72 13 30 EA2CK 21 13,923 114 18 45 VR2DS 21 18,656 12 EA3LA " 8322 89 13 44 Sweden SM5ZF " 24,300 189 27 81										9	
EA3NA " 6936 60 23 45 ZK1AR A 20,064 17 EA3NA " 6936 60 23 45 ZK1BS 14 5332 17 EA7IT " 3569 72 13 30 EA2CK 21 13,923 114 18 45 Sweden SMBIZ A 71,040 314 39 121 W5BIZ SM5CZF " 24,300 189 27 81 KH6IJ A 259,341 66 SM5CZF " 24,300 189 27 81 KH6IJ A 259,341 66 SM5CZF " 24,300 189 27 81 KH6ILD 14 102,179 49 SM5ZCK " 96 8 6 6 6 KX6BU 14 84,155 31 SM5ADV " 90 10 2 7 SM3VE 21 11,515 180 10 39 ZL1HA A 12,810 10 SM7TV " 308 20 3 11 SM5ADV " 43,409 227 24 59 SM5ADQ " 11,658 166 12 46 SM5ADQ " 105 15 2 5 SM5CQ " 11,658 166 12 46 SM5ADQ " 105 15 2 5 SM5CQ " 11,658 166 12 46 SM5ADQ " 105 15 2 5 SM5CQ " 105 15 2 5 SM5ADQ " 280 18 3 11 Switzerland B9UD A 6496 89 15 43 PY3UY " 1363 34 PY3UY " 1363 34 PY3UY " 1363 34											
EA7IT 3559 50 345								20,064	110	35	41
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EA3LA								Fiji Island			
SW3BIZ							VR2DS 21	18,656	129	22	31
SM3BIZ A 71,040 314 39 121 W5BIZ X	EA3LA	**		89	13	44		Hawaii			
SMSBIZ							KH611 A	259,341	660	54	83
SM7AIA											
SM6BDS								14,724	155	14	22
SM6BDS '' 299 24 4 9					19	51	KH6DLD 14	102,179	497	28	49
SM5APP " 90 10 2 7 SM3VE 21 11,515 180 10 39 SM5APP " 308 20 3 11 ZL1AAS 14 23,532 16 SM5AP " 3008 6 6 5 SM6SA 14 90,016 418 26 71 ZL1AAS 14 23,532 16 SM5AQ	SM6BDS .		299	24	4	9	Mo		and		
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SM7TV " 308 20 3 11 ZL1AAS " 14 23,532 16 SM5SA 14 90,016 418 26 71 SM5BLA 50,004 289 30 78 Wake Island SM5AQV " 43,409 227 24 59 KW6DG A 349,492 82 SM7ACB " 16,132 155 19 55 SM5CZQ " 11,658 166 12 46 SM5CAQ " 7560 193 6 34 SM5BFE " 2178 59 8 25 SM5BFE " 2178 59 8 25 SM5AGQ " 105 15 2 5 SM5CAQ " 105 15 2 5 SM5AGQ " 105 15 2 5 SM5AGQ " 105 15 2 5 SM3AZI 7 280 18 3 11 SWitzerland Switzerland Switzerland HB9UD A 6496 89 15 43 PY3AFO " 2376 32 PY3AFO " 2376 23 PY3A			11,515	180	10	39			108	16	26
SM6SA 14 90,016 418 26 71 ZL3RT 3006 6 SM5BLA 50,004 289 30 78 Wake Island SM5AQV 43,409 227 24 59 KW6DG A 349,492 82 SM5CQO 11,658 166 12 46 South Amer SM5CAK 7560 193 6 34 SM6AOQ 1176 33 8 20 SM5AIO 360 23 3 15 SM5CAQ 105 15 2 5 SM3AZI 7 280 18 3 SW33AZI 7 280 18 3 SWitzerland 7 280 8 79,34FO PY3AFO 21 40,003 101 15 51 PY3BFO 21 21,4003 101 16 51 79,34FO 23,40,96 16 LU1DAB 28 79,643		6.6	308	20	3				161	21	32
SM5AQV		14	90,016	418	26	71			61	-9	9
SM5AUV 43,409 227 24 59 SM7ACB 16,132 155 19 55 SM5CZQ 11,658 166 12 46 SM5CAR 7560 193 6 34 SM5BFE 2178 59 8 25 SM5ANO 1176 33 8 20 SM5ANO 1176 33 8 20 SM5ANO 1176 33 8 20 SM5ANO 105 15 2 5 SM3AZI 7 280 18 3 11 Switzerland HB9UD 4 6496 89 15 43 HB9UD 4 6496 89 15 43 HB9UD 21 14 003 101 16 5 43 PY3UY 1363 30			50,004	289	30	78				3	9
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SM5CZQ	SM7ACB		16.132	155	19						,
SMSCAR " 7560 193 6 34			11,658				Sout	h Am	eric	'n	
SM5BFE " 2178 59 8 25 LU9FAH A 34,086 16 SM6AQQ " 1176 33 8 20 LU1DAB 28 79,643 38 SM5AQ " 105 15 2 5 LU2FAQ " 6960 6 SM3AZI 7 280 18 3 11 PY7YS A 41,736 19 Switzerland HB9UD A 6496 89 15 43 PY3AFQ " 2376 30 HB9UD 21 14 003 101 16 51 PY3UY " 1363 30 HB9WO 21 14 003 101 16 51 PY3UY " 1363 30	SM5CAK		7560	193	6	34	Dou.				
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SM3AZI 7 280 18 3 11 Switzerland PY7YS A 41,736 19 HB9UD A 6496 89 15 43 PY3AFO 2376 34 HB9KO 21 14 003 101 16 51 PY3UY 1363 20							LUZFAU "		65	17	23
Switzerland PY7YS A 41,735 19 HB9UD A 6496 89 15 43 PY3AFO " 2376 3 HB9KO 21 14.003 101 16 51 PY3UY " 1363 3	SM3AZI	7	280	18			DV7V0 -				
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HRSKO 21 14.003 101 16 51 PY3UY 1363 20	HB9UD				15	43	r i Jaru		34	15	18
		21					P1301		20	12	17
HRODY " 1920 29 10 22 PYTAMI 28 34,040 16	HB9DX	- (1					PY1AQT 28	34,040	167	22	52
PY3AHT " 3948 30						~~	PY3AHT "		36	18	24
CW2CDD 8 22 02C 102 24 75 FISHID 21 23,033 143	GW3CDP		22 036	102	21	72			149	25	46
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Chile	WILLEA		31,009	214							
	TOTAL	14		234	9	38			48	14	16
			U.S.S.R.				CE3VU 14	74,844	291	30	54
European Colombia		A							389	58	105
UA1DZ A 91,224 346 52 129 HK3LX A 186,961 38	UASTZ		11,657	135	18	53	HK4EB "	130,500	330	52	93
UA1DZ A 91,224 346 52 129 HK3LX A 186,961 38											

V-7-09.					
нкзјк	- **	95,352	292	42	74
HK2YO	44	25,051	171	21	26
HK3RQ		14,948	76	32	42
		Ecuador	, ,	-	72
HC1AGI	A	290,928	755	56	76
		ierlands,	W.I.		
PJ2AF		250,746	557	61	97
		Peru			
0A1W	. A	18,480	113	29	37
		Uruguay		-	
CX2CO	. A	876,304	1070	88	198
CX6AR	**	20,079	113	29	40
CX9AW	64	2886	38	19	20
CX1OR	ct	620	13	10	10
	1	Venezuele	α		
YV5AGD .		167,824	325	66	118
YV1EE	64	102,924	330	45	63
YV4DU	14	94,620	348	34	61
YV1EL		36,024	158	30	46
YV2C1		17,139	77	39	48
YV5AMP	- 44	1404	19	11	15
YV5AHG .		3054	62	8	12
YV3BW		3010	36	15	20
YV5AFF .		53,369	215	25	58
YV5AFJ		10,051	152	9	14
YV5AKP	64	858	13	10	12
3 / * * * * * *	-			_	_

MULTI-OPERATOR Single Transmitter North America

	United States
K1MBC	60,236 178 54 94
	(K1MBC, K9KKK) 1674 24 10 17
WAIT	(K1LZW, K1JLD, K1KCB) 85,641 220 65 114
WZJI	85,641 220 65 114
NZSUX	50,511 158 53 96
K1DVI /	(K2SUX, W2HZY) 2 13,600 97 24 44 (K1BVI/2, WA2PWO)
L/TDAI/	2 13,000 97 24 44
K20LC	(K1BVI/2, WA2PW0) 4720 43 25 34
NZULU	(School Station)
WAZIER	3 510 48 23 31
MAZIEN	(WAZIEK KZPVT)
W4HXC	110 349 258 71 130
***************************************	(WA21EK, K2RVT) 110,349 258 71 130 (W4HXC, K4GUX, W4QKK,
	K4WXC, W9DVM/4)
K6EX0	48.960 195 55 81
	(K6EXO, K6YRA)
W6CX	(K6EXO, K6YRA) 952 26 18 16
	(K6EXO, K6YRA) 952 26 18 16 (K6TER K6TEC)
	(K6EXO, K6YRA) 952 26 18 16 (K6TFB, K6TFC) 42,765 136 55 90
W8NGO	(K6EXO, K6YRA) 952 26 18 16 (K6FFB, K6FFC) 42,765 136 55 90 (W8NGO, W8ONA, K8YEI)
W8NGO W9YT	(K6EXO, K6YRA) 952 26 18 16 (K6TFB, K6TFC) 42,765 136 55 90 (W8NGO, W8NNA, K8YEI) 20,600 92 40 63
W8NGO W9YT	(K6EXO, K6YRA) 952 26 18 16 (K6TFB, K6TFC) 42,765 136 55 90 (W8NGO, W8NNA, K8YEI) 20,600 92 40 63
W8NGO W9YT K9WTS	(K6EXO, K6YRA) 952 26 18 16 (K6TFB, K6TFC) 42,765 136 55 90 (W8NGO, W8ONA, K8YEI) 20,600 92 40 63 (K9ABP, W9SZR, CEZJW) 4788 44 25 32
W8NGO W9YT K9WTS	(K6EXO, K6YRA) 952 26 18 16 (K6TFB, K6TFC) 42,765 136 55 90 (W8NGO, W8ONA, K8YEI) 20,600 92 40 63 (K9ABP, W9SZR, CEZJW) 4788 44 25 32
W8NGO W9YT K9WTS	(K6EXO, K6YRA) 952 26 18 16 6 (K6TFB, K6TFC) 42,765 136 55 90 (W8NGO, W8ONA, K8YEI) 20,600 92 40 63 (K9ABP, W9SZR, CE2JW) 4788 44 25 32 (K9WTS, K9KEV, K9ZSE) 2961 29 22 25
W8NGO W9YT K9WTS WØHNS	(K6EXO, K6YRA) 952 26 18 16 (K6TFB, K6TFC) 42,765 136 55 90 (W8NGO, W80NA, K8YEI) 20,600 92 40 63 (K9ABP, W9SZR, CE2JW) 4788 44 25 32 (K9WTS, K9KGV, K9ZSE) 2961 29 22 25
W8NGO W9YT K9WTS WØHNS	(K6EXO, K6YRA) 952 26 18 16 (K6TFB, K6TFC) 42,765 136 55 90 (W8NGO, W80NA, K8YEI) 20,600 92 40 63 (K9ABP, W9SZR, CE2JW) 4788 44 25 32 (K9WTS, K9KGV, K9ZSE) 2961 29 22 25
W8NGO W9YT K9WTS WØHNS	(K6EXO, K6YRA) 952 26 18 16 6 (K6TFB, K6TFC) 42,765 136 55 90 (W8NGO, W8ONA, K8YEI) 20,600 92 40 63 (K9ABP, W9SZR, CE2JW) 4788 44 25 32 (K9WTS, K9KGV, K9ZSE) 2961 29 22 26 (WØHNS, WØNXZ) Cuba 56,875 285 49 76
W8NGO W9YT K9WTS WØHNS	(K6EXO, K6YRA) 952 26 18 16 (K6TFB, K6TFC) 42,765 136 55 90 (W8NGO, W80NA, K8YEI) 20,600 92 40 63 (K9ABP, W9SZR, CEZJW) 4788 44 25 32 (K9WTS, K9KGV, K9ZSE) 2961 29 22 25 (W#HNS, W#NXZ) Cuba 56,875 285 49 76
W8NGO W9YT K9WTS WØHNS	(K6EXO, K6YRA) 952 26 18 16 6 (K6TFB, K6TFC) 42,765 136 55 90 (W8NGO, W8ONA, K8YEI) 20,600 92 40 63 (K9ABP, W9SZR, CE2JW) 4788 44 25 32 (K9WTS, K9KGV, K9ZSE) 2961 29 22 26 (WØHNS, WØNXZ) Cuba 56,875 285 49 76

Phone Results	Finland	UA1KBW 4982 66 15 38
Phone Results [from page 52]	0H5SM254,664 675 66 196	(Club Station)
Africa	OH2A	UA1KIA 1066 36 7 19 (Club Station)
	(OH2CM, OH2XK)	Ukraine UB5KEP 181 15 6 9
Ethiopia ET3RS137,768 353 39 97	Germany DJ3VM233,412 484 60 152	UB5KEP 181 15 6 9
(ET3RS, OD5CT, YN1EP)	(DJ3VM, DI1BP, DL1CR,	(Club Station)
Kenya VQ4RF 542,244 676 84 208	DL3AO, DJ3JZ, DJ4LI) DL#OS69,078 260 48 126	Lithuaniα UP2KBU 31,096 265 23 81
(VQ4RE_VQ4DT)		UP2KNP
Libya 5A3CAD	DL5BR	(Club Station)
(5A3CAD, 5A3CAE)	DLSBR 67,320 268 37 99 (Club Station)	Estonia
Asia	DL4FX 66,444 246 44 103	
	Oceania	
Cyprus ZC4AK 97,439 258 47 92	Hungary HA1KSA 33,170 230 24 83	Australia VK2AHM
(ZC4AK, ZC4AB, ZC4AT)	(Club Station)	VKZAHM 43,976 184 40 52 (VK2AHM, VK5NO)
Japan KA7DX 11,395 94 24 29	Northern Ireland GI3CDF133,450 434 46 111	
KA7DX 11,395 94 24 29	GI3CDF133,450 434 46 111	MULTI-OPERATOR
(KITXA, K2BTK, WA6QDA)	(GI3CVH, GI3FJA, GI3GSB,	Multi-Transmitter
Ryukyu Islands KR6AF 102,221 368 43 76	Manney	
(K1GFS, K8LEZ)	(GI3CVH, GI3FJA, GI3GSB, GI3ILV, GI3JGZ, GI3ONF) Norway LA1K	North Americα
Taiwan	(LAZOH, LAZEG, LASUF,	K2GL319,144 444 91 196
BV1US62,532 323 29 52	LA7WG, LA9TG)	
(W50ÚT, KØYXU, WØDRO) U.S.S.R.	LA7WG, LA9TG) LA1H	(K2GL, W2IWC, W2SKE) 103,170 260 69 112
Azerbaijan	(LASSH, LASRH, LASPH,	(K6EVR, W6GFE)
UD6KAB 35,880 157 27 65	LASAD, LASFG, LAGME) Poland	Furana
(Club Station)	SP5KAB 5248 85 11 30	Europe
Armenia	(SP5GM, SP5ZM)	DJ30U220,818 480 61 186
UG6KAA 10,976 82 13 36 (Club Station)	SP5ZHP 1316 44 6 22	(DJ3OU, DL1HC, DJ3YV, DJ4OT, DL6NK, DJ6WI,
Uzhek	(SP5AHZ, SP5ZK)	DI 9CHX
UI8KAD 5754 76 16 26	Portugal CT1EY 200,169 588 57 150	DL4FKT 58.286 303 33 118
(Club Station)	(CT1EY, CT1YE)	(DL1TA, DL4UC, DL4IU DL5AC, DL5BW I1KQ 40,608 182 36 19
Todzhik UJ8KAA16,188 105 32 44	Comp. do	DL5AC, DL5BM
UJ8KAA 16,188 105 32 44 (Club Station)	SM5AZU 19,012 145 24 74	(I1KO 11DH 11/
	(SM5AZU, SM5ATN,	OH2AA 31,868 200 28
Europe	SM5BGM, SM5MC) SL6BF	(OH2SB, OH
Bulgaria	(SM6CKV SM6CPY)	OH2KH, OF
LZ1KSZ 97,152 388 39 145	Vatican City	Our thanks to the following st
(Club Station)	HV1CN 169.708 646 40 02	who sent in their logs for ch purposes:
SVØWT	(IICNS, W2BBV, W2BIB)	W1PLJ, K2GME, W2GRA 1
(SVØWY, W5GMS)	U.S.S.R.	W3UHN, W4GF, W4HVU.
Czechoslovakia	(IICNS, W2BBV, W2BIB) U.S.S.R. European UA3KND 8515 93 18 47	WAGIVM, WAGMWG, W
Czechoslovakia 0K2KAU 17,834 142 29 69	(Club Station)	W6SUD, W7FCY, K8NMG, R 6, G14RY, JAIDRC, LU
(Club Station)	UA3KFB 7750 103 18 44	OH2VO. OK2KJU. OZ7DX
England G3NGZ 46,200 260 33 107	(Club Station)	NIR, PAØIV, SM4AWC, SM
(G2FZK, G3KTC)	UA3KOB 6 640 71 12 34	VE3AO, VE4DO, YO2CJ, YO9V
G30HM 22,236 169 28 74	(Club Station)	YV5AKU, ZS6ZC and EL1C.
(Bodie Carleto)		

Announces [from page 18]

munication between amateur stations and transmission of third party traffic by amateurs is published for the information and guidance of amateurs in the United States:

(Radio Society)

Article 41, Section 1. "Radiocommunications between amateur stations of different countries shall be forbidden if the administration of one of the countries concerned has notified that it objects to such radiocommunications." Cambodia (F18, XU), Indonesia (PK, YB-YH), Thailand (HS), and Viet Nam (F18, XV, 3W) have so notified.

The amateur service has not yet been organized in Jordan.

Article 41, Section 2. "(1) When transmissions between amateur stations of different countries are permitted, they shall be made in plain language and shall be limited to messages of a technical nature relating to tests and to remarks of a personal character for which, by reason of their unimportance, recourse to the public telecommunications service is not justified, It is absolutely forbidden for amateur stations to be used for transmitting international communications on behalf of third parties. (2) The preceding provisions may be modified by special arrangements between the administrations of the countries concerned." Such arrangements permitting third party communications have been effected between the United States and the following countries only: Bolivia, Canada, Chile, Costa Nicar Cuba, Ecuador, Haiti, Honduras, Liberia, Mexico, Nicaragua, Panama, Paraguay, Peru and Venezuela.

Only amateur stations identified by properly authorized call signs having a one or two-letter prefix beginning with "W", or "K", are authorized by the United States, and third party communication is presently permissible with all such stations except those identifies by prefixes KA2-KA9, inclusive.

Cranium Query—Here we go again! Remember don't cheat! In case you started here, the "Round-Word Puzzle" can be found on page 41.

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