

# Results,

## 37th ARRL

### International DX

### Competition

REPORTED BY AL NOONE,\* WA1KQM/WB6SAZ



ZB2AV ... Ron

THE 1971 ARRL DX test was held the first and third weekends of February and March, 1971. Judging from the many reports received, we had another successful contest. The only disappointment was a decrease in the total number of logs received at Hq, 2646 as compared with 2822 in 1970. This decrease can be attributed directly to a large drop in cw entries, offset somewhat by an increase on phone.

Conditions, while certainly not as good as last year, were by no means bad. The only real loss appears to have been 28 MHz on the second cw weekend.

Activity was certainly there. A rough count at the close of the competition indicated participation from at least 155 different countries. Some of the rarer DX stations available were: OR4, JY1, FB8X, ZB2, HV3, EP2, JD1, M1B, 9G1, KC6, ST2 and many more.

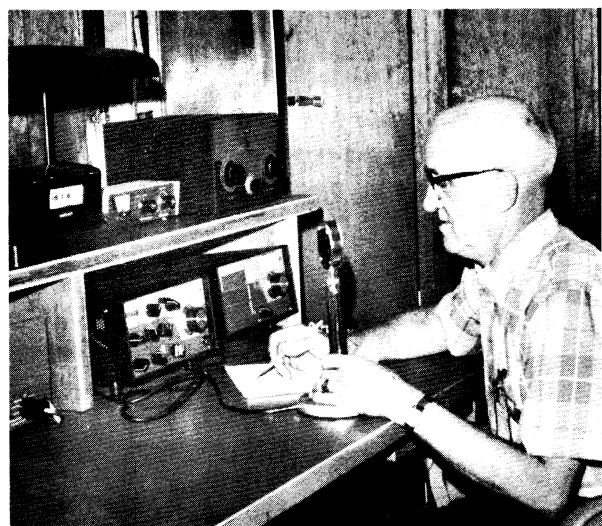
Competition was fierce. It would take much more space than that which is available to adequately give credit to all. However, some of the more outstanding scores were: W1BGD/2 2,395,980 on cw; WA3HGV 3,166,539 on phone; KH6RS (K2SIL,opr.) 4,319,532 on cw and XE1KS 6,140,817 on phone. A score of 1.6 million was necessary to make the TOP TEN!

The new multi-single category appears to have been received well with 225 groups participating. Undoubtedly, this will be retained. In contrast, only 46 groups chose the more difficult multi-multi. It is interesting to note that the ARRL Contest Advisory Committee has been studying the DX Competition and finds the present basic format well received. Any comments from participants concerning the DX Competition rules should go to your nearest CAC member.

Our thanks to HR2GK (WA8VRB,opr.), VP2ES, GDs 3YBH/SATG, DJ6SI/LX, HV3SJ, JD1ABX and others who journeyed to rare countries and states for the competition. Your efforts are more than appreciated.

And finally, are you all set for the November Sweepstakes? If not, now's the time to give it some thought. - WA1KQM.

\* Asst. Communications Mgr., ARRL.



K6LZQ/VP7 ... Clarence

OR4CR (Bill, ON4QJ, opr.)



### Clubs

Fifty ARRL-affiliated clubs, quite an improvement over last years 41, locked horns in combat for the gavel! After the dust had cleared and the shouting stopped, it was the FRANKFORD RADIO CLUB out on top. High scorers for the club were K3HTZ on cw, WA3HGV on phone. Their main competition, the POTOMAC VALLEY RADIO CLUB, put up a strong fight but had to settle for a close second. K1LPL/3 and W3E2T took honors on cw and phone, respectively. Always in there fighting but still having to settle for third was MURPHY'S MARAUDERS. They were led by W1BGD/2 on cw and WB2SQN on phone. Fourth place this year goes back to the NORTHERN CALIFORNIA DX CLUB. A quick glance at their score would seem to indicate they had little difficulty unseating their competition to the South, the SOUTHERN CALIFORNIA DX CLUB,

who took fifth. The only other score over 10 million again was that of the 128 CONTEST CLUB in sixth place. Rounding out the TOP TEN, we have: the RICHARDSON WIRELESS KLUB, GOLDEN TRIANGLE DX CLUB, FLORIDA DX CLUB and CENTRAL MICHIGAN ARC.

CW	PHONE
Potomac Valley Radio Club	1 Frankford Radio Club
Frankford Radio Club	2 Murphy's Marauders
Murphy's Marauders	3 Potomac Valley Radio Club
Northern California DX Club	4 Northern California DX Club
Southern California DX Club	5 Southern California DX Club
128 Contest Club	6 Golden Triangle DX Club
Florida DX Club	7 Richardson Wireless Klub
Richardson Wireless Klub	8 128 Contest Club
Central Michigan ARC	9 Central Michigan ARC
Golden Triangle DX Club	10 Florida DX Club

### AFFILIATED CLUB SCORES

Club	Score	Entries	CW Winner	Phone Winner
Frankford Radio Club(Pa.)	45,378,041	75	K3HTZ	WA3HGV
Potomac Valley Radio Club(Md.)	45,307,631	62	K1LPL/3	W3E2T
Murphy's Marauders(Ct.)	37,908,796	89	W1BGD/2	WB2SQN
Northern California DX Club	27,817,849	62	K6AHV	K6AHV
Southern California DX Club	24,092,324	59	K6LOM	W6RR
128 Contest Club(Mass.)	12,337,422	24	W1BPW	WA1IRG
Richardson Wireless Klub(Tex.)	9,584,313	33	WA5JMK	W5EQT
Golden Triangle DX Club(Fla.)	8,740,788	13	K4TIG	W4LBP
Florida DX Club	7,213,742	13	W4HOS	K4SHB
Central Michigan ARC	6,626,314	13	WA8VBY	W8QQJ
Order of Boiled Owls(N.Y.)	4,897,748	11	W2GGE	W2CP
Northern California Contest Club	4,746,483	9	K6ERT	WA6BVY
Twin City DX Association(Minn.)	4,066,194	14	W0HP	W0HP
Connecticut Wireless Association	4,006,289	9	K1UDD	W1BIH
Northern Illinois DX Association	3,791,231	18	WA9IVL	W9OHH
South Jersey Radio Association	3,582,127	21	W2FYS	W2BHK
North Carolina DX Association	3,059,094	10	K4CIA	K4ARP
Norwood ARC(Mass.)	2,919,465	11	WA1JKZ	WA1JHQ
Overlook Radio Society(N.Y.)	2,828,991	5	.....	W2DXL
Niagara Frontier DX Association(N.Y.)	2,581,308	11	K2KNV	K2INP
Laurentian DX Club(Que.)	2,495,442	7	VE2NV	VE2NV
Ohio Valley AR Association	2,441,082	10	W8JIN	K8AWS
Indian Hills Radio Club(Ohio)	2,319,963	4	W8QXQ	.....
Rockford AR Association(Ill.)	2,123,805	8	.....	W9LVT
Etna Radio Club(Pa.)	2,038,392	4	.....	.....
Utah DX Association	1,753,338	5	.....	K7RAJ
North Alabama DX Club	1,536,243	5	.....	K4MG
Minnesota Wireless Association	1,477,007	13	K0IJL	WA0YAW
Gloucester County ARC(N.J.)	1,241,325	10	W2FBF	W2SUA
Columbus AR Association(Ohio)	1,227,786	11	K8EHU	W8NPF
Four Lakes ARC(Wisc.)	1,105,947	7	W9LNM	W9LNM
Winnipeg DX Club(Man.)	715,371	11	.....	VE4RP
West Park Radiops(Ohio)	686,058	13	WB8FNE	WB8FNE
Delta Amateur Radio Club(Tenn.)	476,391	6	WA4FDR	WA4FDR
ARINC Amateur Radio Club(Md.)	429,702	8	WA3JYV	W3PWO
Lexington High School RC(Mass.)	398,928	4	.....	.....
New Providence ARC(N.J.)	327,132	4	.....	WB2JLW
Warren AR Association(Ohio)	317,700	3	.....	.....
Brightleaf Amateur Radio Club(N.C.)	307,080	4	.....	K4SKI
Hollywood Amateur Radio Club(Fla.)	264,105	6	W4OZF	W4OZF
Virginia Century Club	263,304	3	.....	.....
Steel City Amateur Radio Club(Pa.)	197,478	3	.....	W2KPI
Elk Grove ARC(Ill.)	164,352	3	.....	W9GYN
Springfield Amateur Radio Club(Ohio)	162,756	5	.....	W8VZE
Scarboro Amateur Radio Club(Ont.)	151,959	4	.....	VE3ENM
Johnson County Radio Amateurs Club(Kan.)	56,670	3	.....	.....
Colonie Central H.S. Radio Club(N.Y.)	31,971	6	.....	WB2FGS
Central Illinois Radio Club	22,122	5	.....	WB9APC
Garden State AR Association(N.J.)	9,561	3	K2RXQ	.....
Chicago Radio Traffic Association	6,696	4	W9REC	.....

## DX CONTINENTAL CHAMPIONS

CW		Phone	
<i>Single Op.</i>	<i>Multiop.</i>	<i>Single Op.</i>	<i>Multiop.</i>
G3FXB	YU3EY	Europe	LAØAD
JA1CG	JA3YBF	Asia	JH1CJQ
EL2CB	9E3USA	Africa	EL2CB
KH6RS		Oceania	KH6RS
HR2GK	VP2ES	N. America	XE1KS
YV5KL	LU2E	S. America	YV5CVE
			HW6KAW
			KA2KS
			9E3USA
			KH6HCM
			KL7AIZ
			HC1ARE

### Soapbox

First time in 35 years had a competitive antenna — enjoyed it immensely. — W3ZJ. Happy to hear HV3SJ on 80 — added a new country for lots of the gang. — W3EOP. Sure was a great opportunity to catch new ones. — WA3MSW. European openings were poor and short this year, time to start building those beams for 80/40! — WA9IVL. The DX gang really provided some sharp operating this year. — W9JA. Biggest kick came when I called CQ and 5R8BF answered. — W9HE. Glad to see the rarer stuff out this year. — WA2VYA. Conditions great on 80 meters this year. — K4PUZ. Had a lot of fun in my first single operator effort in this contest. This is by far the top contest of the year. — WA8VBY. Worked 11 new countries. — W8KCY. Conditions were very good in early evening for Pacific and down under stations. — K8ERO. Very pleased with multi/single competition, we enjoyed it here. — K8UDJ. Friendly time-saving advise to DX operators: If you have a big pile-up of W/VE stations, (1) Identify yourself at least every other QSO; (2) Add call or just letters of station you are answering after you give the number. — K2BK. Lost my antenna to the wind gods. — WA2LQO. Working VS6BL was the biggest thrill in 11 years of ham radio. — WA2IRS. Declining sunspot cycle becoming more obvious, especially on 10 meters. — WØJU. Great contest. Kept my record intact of having participated in all ARRL DX Tests. — W1AJO. The terrific snow static the first 6 hours of the second weekend caused a big disappointment among the W1 gang. — W1BPW. Had 22 five banders on five continents. Ten meters terrible second weekend. — KØDQI/1. Great conditions, see you next year with a KW. — WA7OXQ. Ten is gone, I guess! — K6AHV. Put up a sloper for 40 towards JA with fb results — 123 JAs. — K6OZL. What a thrill to work an EL and a 5W1 on 7 MHz with a 33' TV mast without radials! — K6CLV.

Power line noise limited efforts to a one weekend, low band, multiplier hunt! — WA6DKF. XYL threw a surprise party Friday night of second cw weekend and presented me with 500th QSL to complete 5BDXCC. Didn't mind the interruption at all! — K4CIA. First time I have submitted a score but have been active in cw DX Competition for four years. — WA4EWX. Just as I got set to pounce on PZ1AC, who was S5 and running 300 milliwatts to a transistor, my XYL turned on the electric mixer and wiped him out. Gave him a call anyway, and when the racket stopped found that I had landed him. — W4KFC. Glad I didn't know it was JD1ABX I was calling late in the contest, probably wouldn't have raised him. — W4UQ. Rig problems on 15 meters, no antenna for 80/40, and the non-stop din created by five kids failed to dampen my enthusiasm for this great contest. And from the fierce competition observed during the contest, I would guess others with the same type problems generally did the best they could. — WB4OGW. Was glad to give the boys the Wyoming multiplier this year. — W6JHV/7. First European contacts from this QTH on 40 meters. — W7AYY. The 5BDXCC activity apparently has increased occupancy on all bands, so all bands were busier, relieving some of the load formerly on 20 meters. — W6AM. Conditions to Europe the March segment were great on 21 MHz. — K6MP. First attempt, very enjoyable, except for high local noise level. — only managed four new countries! — G3DPX/W6. Was very pleased with the quantity of rare DX, especially on 40! — VE3UOT. Dipoles don't dig DX. — VE3CQA. Sure enjoyed the contest, looking forward to the next one. — VE5PM. A marvelous contest, the best in 10 years. We made 5BDXCC in four weekends! Everyone seemed to recognize our new call. — W3AU, ex. W3MSK. The heroes of this contest were out in droves. Not the old standbys you work every contest, but the people who get on for a few hours just to give out a few points. They deserve a special

### DIVISION LEADERS

CW		Phone	
<i>Single Op.</i>	<i>Multiop.</i>	<i>Single Op.</i>	<i>Multiop.</i>
K1LPL/3	W3AU	Atlantic	WA3HGV
K9CUY	WA9LGQ	Central	W9ZRZ
WØHP	WAØCPY	Dakota	WØHP
W5WMMU/5		Delta	K5MDX
W8QXQ	K8UDJ	Great Lakes	W8LXU
W1BGD/2	K2AHQ	Hudson	WB2SQN
WØMYW	KØMKD	Midwest	WAØETC
W1BPW	W1MX	New England	KØDQI/1
W7RS	VE7ZZ/W7	Northwestern	W7RS
K6AHV	W6GFS	Pacific	K6AHV
W4KFC	W4BVV	Roanoke	W9MIJ/4
K5QNO/Ø	WB5AXC	Rocky Mt.	K7RAJ
K4TIG	W4ZXI	Southeastern	K4SHB
K6LOM	W6ANN	Southwestern	W6RR
W5RER	W5KFL	West Gulf	K5ZJK
VE2NV	VE2ARO	Canadian	VE7BDJ
			W3AU
			WB9BPG
			KØWWX
			K4RTA
			K8MMM
			W1BGD/2
			WAØWKI
			W1MX
			W5QQQ/7
			WA6IQM
			K4CG
			WA7GWU
			K4HF
			W6HX
			W5RER
			VE1DH/1



### QRP CHAMPS

(150 Watts or Less at All Times)

CW		Phone	
W4CRW	531,102	WA0YAW	367,200
K5ABV	511,038	WB2ZTH	355,200
W1FNW	308,454	WA1ABW	260,142
K2MFY	298,200	WA1KBG	218,700
K0IJL	254,340	WA1KZE	205,196
W3QOR	241,344	W4CRW	204,687
WA1ABW	230,748	W5LPO	183,864
W2AZO	204,633	WB9DXW	180,774
W4WHK	172,104	W2FBF	171,912
W9HJ	161,568	W4WRY	153,807

### 1972 ARRL DX COMPETITION

Phone: Feb. 5-6, Mar. 4-5  
CW: Feb. 19-20, Mar. 18-19

of the test was working K2LWR on 80! — HS3AFB. Power outage, family visiting from the US, bands QRN S9 — kids sick, etc. Maybe next year! — HSIADX. Thanks for nice contest. — UK2GAM. Very sorry, but in second period not have time for test. — UR2LO. Very fb contest. — UP2BV. Many thanks and good luck. — UB5TQ. Conditions was very poor. — UB5OE, since 1927. Discipline seemed to improve as the frequency increased, being worst on 80 and best on 10. — K4BZH/VP7. I wouldn't advise eating crisp potato chips with head phones on, the QRM is fierce. — WB0ASR/KP4. We all had a great time but just wish conditions had been better for the cw weekends. — G3SIX. My 8th ARRL competition. — OH7NW. In the second period the 28 MHz band was not to work W/VE. — DL1GN.

him last month? - K2BK. I think there should be a separate category for single-band entries. — WB2MQI. First one, really enjoyed it, will put in more time next year. — WB8EUN. HW6KAW was so loud I thought he was in Central America. When I found out it was a new prefix for France I really flipped! — WA8OBG. Another anemic effort, with inadequate equipment, by an inept operator. — W8AJW. I wish I could have spent more time on the air, really enjoyed the limited exposure to the contest. — K1ATL. Murphy plays for keeps — halfway through the contest someone broke in and removed most of the equipment. — WA2BCT/1. Very pleased to work YB0AAN, OR4CR and KC6RS. — W4ZSH. This was my first contest and I thoroughly enjoyed participating in it. — WB4QWM. Raised 7Z3AB on 20 for a multiplier and had ST2SA break in for a double! — K6CQF. Hope the VU2 on 28 MHz turns out to be for real. — W7YTN. The JAs get thicker every year, but where were the Africans? — W5FCX. It is really different and pleasant experience to work the contest on this side of the pile-up, I hope it will be useful when I return home. — YV5AMH/W5. Working conditions fair here, great thrill to work 100 countries on 20 meters. — VE4FU. Contest helped to bring 5BDXCC a bit closer. — VE6AGV. Thanks to W6JHV/7 for Wyoming on 4 bands, I know he made a lot of DX stations happy. Where the heck were the VE8s? — TJ1AW. My first entry in the competition though have been active in it for some time. — VK3IQ. Had peaks of 95 per hour on 7 MHz with only 100 watts to a dipole! — KH6HKM. Propagation poor to US on 80, 10 far better than expected. — ZL1BN. Much fun in spite of local voltage fluctuations giving both transmitter and keyer trouble. My 1st contest from the DX end and certainly not my last. — EP2ER. This competition was very fine chance for 5BWAS, but very difficult to get contacts on lower bands because of having poor antennas for 80/40 meter bands. — JA1NDO. A great thrill to be DX though the openings are not too long to the states. Highlight

### Thirty-Seventh ARRL

#### International DX Competition

W/VE scores are listed by ARRL division and section; DX scores are listed by continent in alphabetical order by country name. Multioperator scores follow single-operator scores within each section or country-grouping.

**Awards:** The operator of the first-listed single-operator station in each section or country is the winner for that area and receives a certificate award. In a section or country from which at least three valid multioperator entries were received, the top-scoring station in that category receives a certificate award. There will not be separate certificates for multi-single and multi-multi entries. (Awards are scheduled for a September 15th mailing) The top-scoring single-operator DX entrant for each continent each mode, receives an engraved plaque. Affiliated-Club awards are shown elsewhere in this article.

**Scores:** In the list to follow, read (from left to right): call of entrant, final score, multiplier (total countries per band for W/VE; total states and Canadian call-areas per band for DX), contacts, approximate dc power input (A represents power up to and including 150 watts; B, over 150 and up to and including 500; C, over 500; D, combination of A+B; E, A+C; F, B+C; G, A+B+C), total time of operation (to the nearest hour). Example: WA3HGV 3,166,539-493-2141- C-85 indicates final score of 3,166,539, multiplier 493, contacts 2141, power over 500 watts, operating time 85 hours.

A single operator asterisk following a call denotes an ARRL Hq. staff member, ineligible for an award.

### TOP TEN

Single Operator CW			Single Operator Phone		
W/VE		DX	W/VE		DX
W1BGD/2	2,395,980	KH6RS 4,319,532	WA3HGV	3,166,539	XE1KS 6,140,817
W5RER	2,241,891	YV5KLL 3,385,692	K6AHV	2,573,550	KH6RS 4,545,456
W1BPW	2,164,470	KH6IJ 3,334,230	W6RR	2,555,715	KH6IJ 4,143,079
K1NOL	1,946,043	KH6HKM 2,673,216	K0DQI/1	1,877,466	KH6BZF 3,618,680
K1ZND	1,848,396	EL2CB 2,518,845	K6SEN	1,855,854	KP4DLW 3,397,536
K1LPL/3	1,824,876	PJ2PS 2,496,150	WB2SQN	1,846,200	EL2CB 2,872,302
K1DIR	1,819,755	TJ1AW 2,278,404	K1VTM	1,750,980	LA0AD 2,673,290
K0DQI/1	1,713,842	HR2GK 1,712,787	W2SZ	1,742,547	XE1LLS 2,445,744
K1VTM	1,694,744	CP6FG 1,615,464	K5ZJK	1,683,540	YV5CVE 2,290,626
W3GRF	1,623,336	G3FXB 1,609,272	K4SHB	1,650,416	CT1BH 2,252,211







If you were active for any length of time in the 1971 DX Test, chances are you QSOed one or more of the operators shown. They are: (l. to r., t. to b.) EL2CB, WA4OVP/8R1, K1VTM, ZS5WN, HR2GK (WA8VRB, opr.) KH6HKM, 6W8DY, YV5CVE, WB6ZHD, W7IR/TG, CT1VX, and PJ2PS.



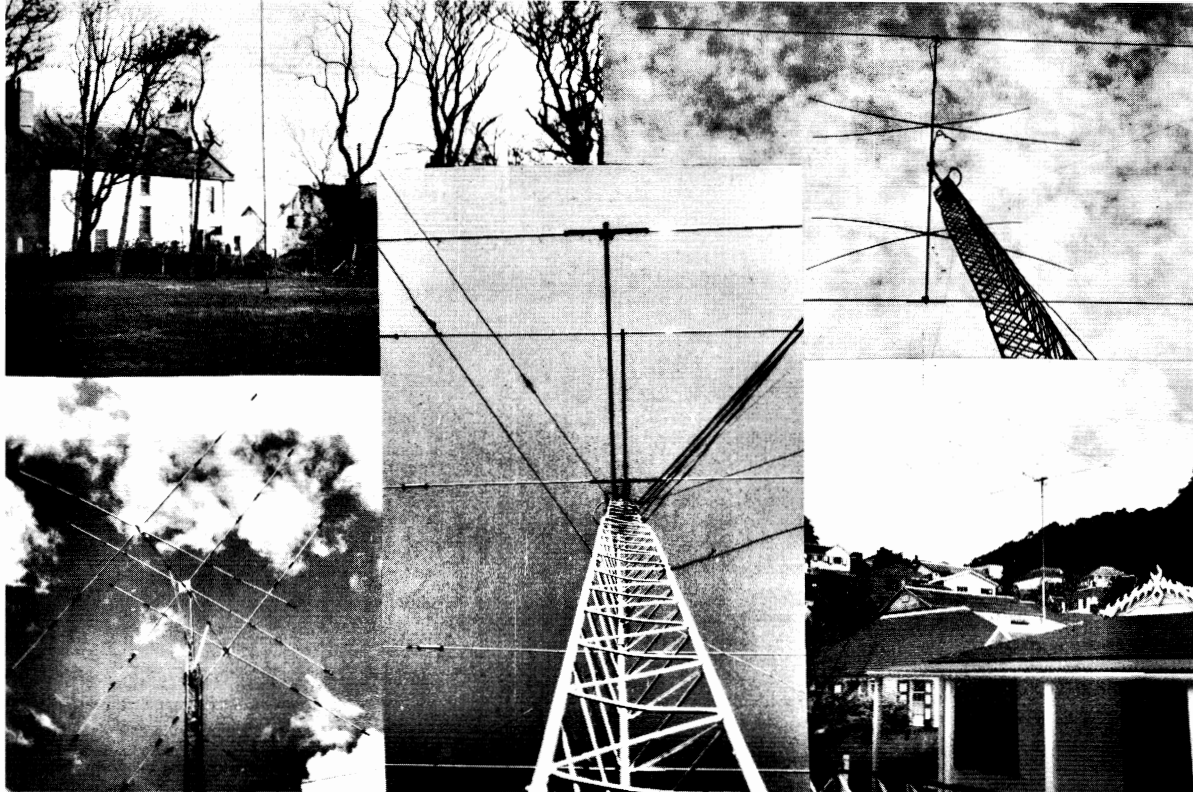




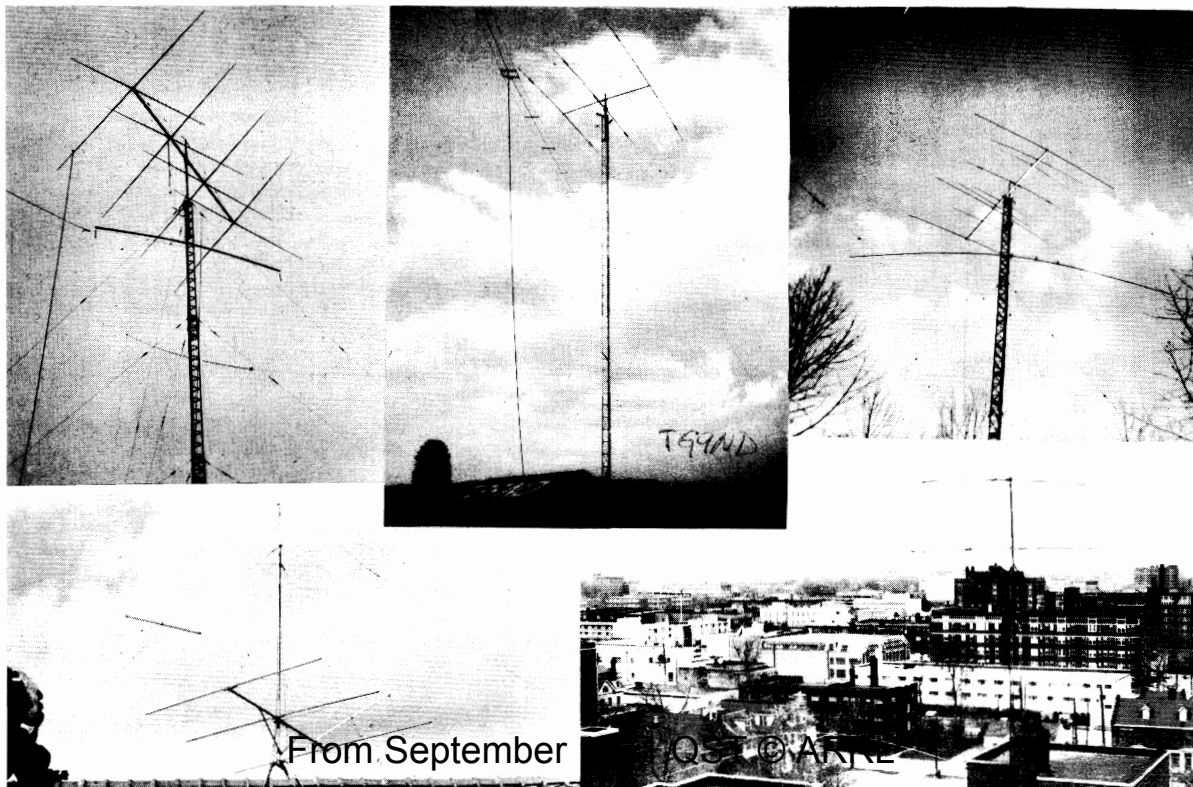








It's always interesting to see what the other guy is using for antennas. The skywires pictured here belong to:(l. to r., t to b) GDs 3YBH/5ATG, K1VTM, HC1WZ, KØDQI/1, PJ6AA, W6MAR, TG9ND, K1LPL/3, JA6LYU and W9ZRZ.



From September

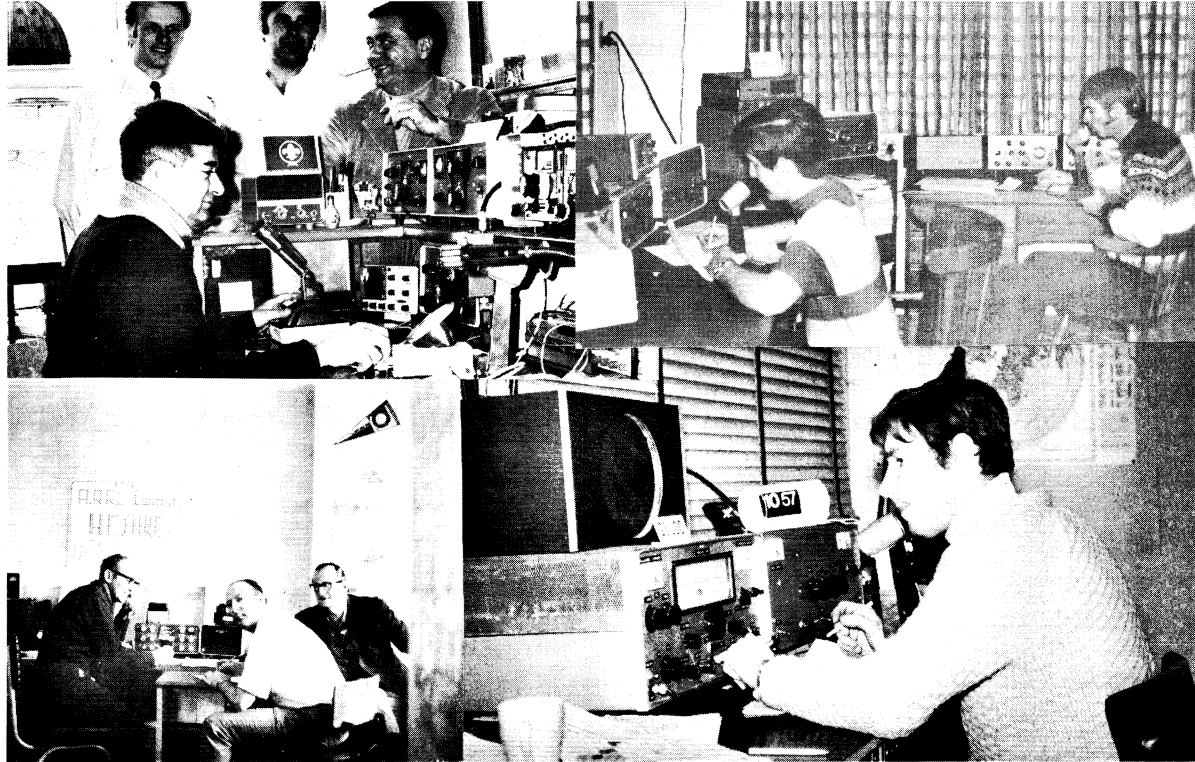
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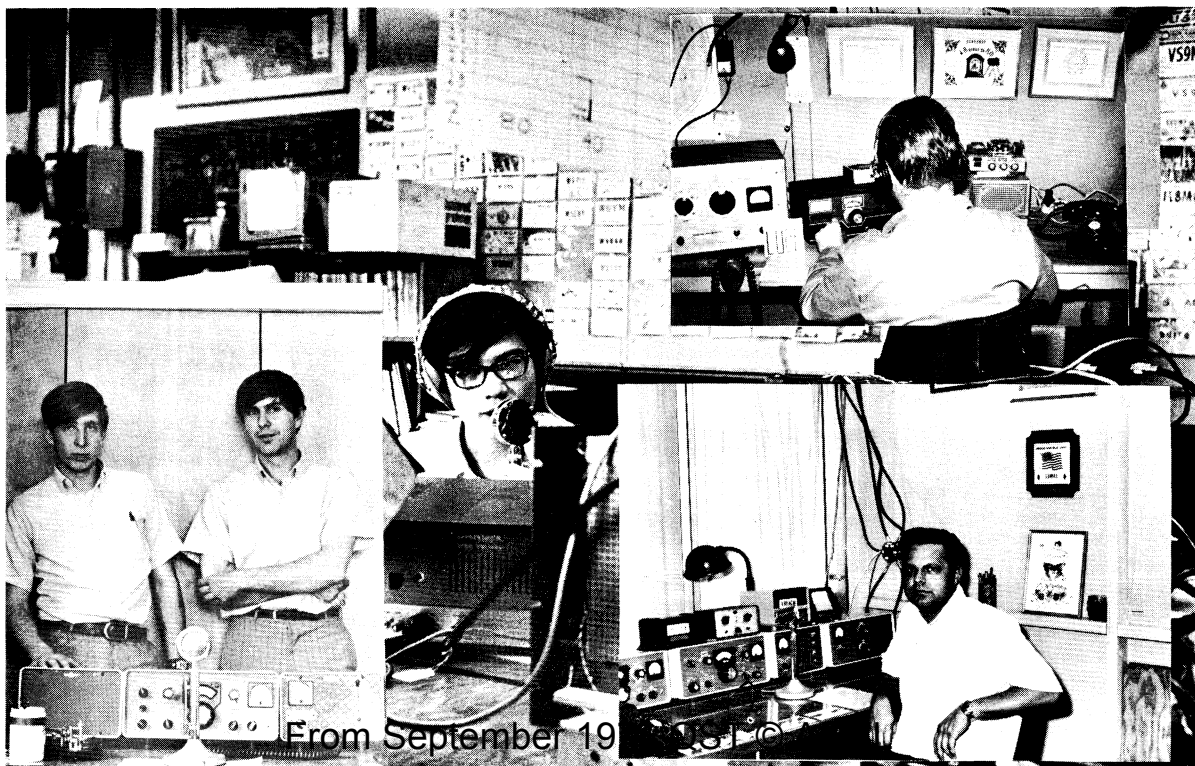








There were many excellent multi-op stations active this year. Here are but a few. (l. to r., t. to b.) HV3SJ, WA7GWU, HC1ARE, G3JOC, LU2E, K8MMM, W1MX (center), and KH6HCM.



From September 19

<i>Asiatic USSR</i>		VK3AXK 659,718-171-1286-A-50	<i>Bolivia</i>	<i>Finland</i>
UA0ZI 117,648-76-516-A	VK5FM 246,684-122-674-A-21	CP6FE 697,740-145-1604-A-19	OH5SE 406,392-118-1148-B-18	
UA0GF 67,965-69-328-B	VK2GW 244,800-64-1275-A	CP6EL 593,676-138-1434-C-29	OH3WF 155,742-101-514-B	
UA0LJ 59,550-50-397-B	VK5KO 51,294-83-206-A-10	CP3BY 8904-28-106-B-	OH2VB 87,363-51-571-B	
UA0WV 41,817-53-263-B	VK3IQ 19,377-51-129-A-		OH3JR 31,668-58-182-B	
UA9QAA 22,032-48-158-B-	VK2YN 18,306-54-113-A-3	<i>Brazil</i>	OH2FS 16,416-38-156-B-	
UA9IQ 18,213-39-156-A-	VK2RA 7500-25-100-A-2	PY1CLI 868,901-167-1862-B-62	OH8OW 126-6-7-B-	
UA9VQ 13,158-37-129-A-		PY3APH 448,074-146-1023-B-18	OH2BFX 27-3-3-B-	
UK9CAE 9990-30-111-B-	<i>Guam</i>	PY1DEF 240,238-113-721-B-23	OH2BHU 3-1-1-A-	
UK0CAD 9450-25-126-A-	KG6JAR 295,953-119-829-B-	PY6OA 16,341-68-375-B-		<i>Multi-Multi</i>
UW9PJ 7018-29-81-B-	KG6ASP 936-12-26-B-2			OH2BO (6 oprs.) 1,108,809-169-2190-B-
UA0OI 6183-29-71-A-	<i>Hawaii</i>	<i>Chile</i>		
UA0ZAM 3720-20-62-A-	KH6RS (K2SIL, opr.)	CE5GO 129,276-76-570-A-19		
UA0LH 3645-15-81-A-	4,319,532-281-5124-E-65	CE8AO 103,900-50-689-A-		<i>France</i>
UW9WB 3480-20-58-A-	KH6IJ 3,334,230-265-4194-C-65			F2SI 1,768,333-203-2904-A-
UV9PR 2193-17-43-A-	KH6HKM 2,673,216-252-3536-A-71	<i>Colombia</i>		F3JI 33,480-60-186-A-12
UA9MQ 1957-17-41-A-	KH6HAM 444,540-186-800-D-24	HK5BWX 15,912-36-144-B-		F6BDJ 27,720-55-168-A-8
UV9VC 1218-14-29-A-	KH6GSE 123,480-120-343-C-8	<i>Ecuador</i>		F9DW 26,235-53-165-B-
UK9HAC 413-7-20-A-	KH6HGL 32,850-50-219-A-9	<i>Multi-Single</i>		F6APE 14,652-37-132-A-
		HC1ARE (25 oprs.)		F8ZF 12,236-19-222-B-5
	<i>New Zealand</i>	5,542,280-274-6740-C-96		F2MO 8760-40-73-A-3
UK0JAA (UA0s JB IO)	ZL1AMO 1,168,356-196-1987-A-50	HC1WZ (+HC1s KH PR)		<i>Multi-Single</i>
213,100-100-726-B-	ZL1AFW 417,627-147-947-A-42	2,520,375-235-3575-B-90		HW6KAW (6 oprs.) 3,090,780-223-4679-B-86
UK0ZAA (UA0s ZZ ZAI ZAM)	ZL1BN 393,756-157-836-A-30			<i>Germany</i>
182,166-97-626-B-		<i>Guyana</i>		DL6WD 1,896,174-202-3129-B-65
UK0CAB (3 oprs.)		WA40VP/8R1		DL5JF 1,627,940-196-2505-B-70
128,821-77-558-B-		1,043,736-157-2216-B-55		DJ6LV 869,055-165-1756-B-
UK9HAD (3 oprs.)		WA2HYX/8R1		DL6QZ 790,713-147-1793-B-56
92,736-69-448-B-		422,331-119-1183-A-44		DF0AFH 774,090-141-1830-B-14
UK9OAD (3 oprs.)		<i>Paraguay</i>		DL4IS 245,916-108-759-B-22
78,195-65-401-B-		ZP5TU 157,360-80-656-B-6		DK3UF 243,865-95-856-B-
UK9CAN (3 oprs.)		<i>Peru</i>		DL8PC 197,496-104-633-B-
59,902-61-328-B-		OA1BU 664,056-138-1604-A-36		DJ9LI 177,045-55-1073-B-
UK0FAD (3 oprs.)		OA8V 182,609-133-459-C-6		DK3ML 87,892-86-341-
45,264-46-328-A-		<i>Venezuela</i>		DL6WE 53,156-41-432-C-
UK9HAB (2 oprs.)		YV5CVE 2,290,626-251-3042-B-78		J140P 45,372-38-398-B-
35,050-50-237-B-		4M7AV 721,494-186-1293-B-48		DK4IH 32,832-76-144-A-
UK9XAC (3 oprs.)		YV1TO 643,190-130-1660-B-42		DL4RM 19,152-48-133-B-8
33,440-44-254-A-		YV5DLO 21,414-43-166-B-5		DL9YC 13,152-32-137-B-
UK0FAF (3 oprs.)				DJ2YE 9480-40-79-B-
22,712-34-223-A-		<i>EUROPE</i>		DM3VGO 7128-27-264-B-
		<i>Aland Islands</i>		DL1RO 1640-20-82-B-
<i>Ryukyu Islands</i>		OH0NJ 1767-19-31-A-6		DL3VI 1035-15-23-A-
KR8EA 34,800-50-232-C-12		<i>Austria</i>		DM2BDG 924-21-44-B-
KR8BY 16,380-35-156-B-16		OE2EGL 1,300,320-172-2520-A-		DL5LC 913-13-27-F-10
		<i>Azores</i>		<i>Multi-Single</i>
<i>Multi-Single</i>		CT2BB 197,892-92-717-B-11		DL0JRA (5 oprs.) 1,302,000-200-2170-C-48
KR6AY (+KR6XR)		CT2BC 87,906-98-299-A-20		DL4SW (+DA2PH) 633,780-140-1509-F-36
1,191,003-187-2123-C-		<i>Belgium</i>		<i>Gibraltar</i>
<i>Thailand</i>		ON4XG 65,658-62-353-A-10		ZB2A 113,740-110-345-A-
HS3AFB 75,072-64-391-C-26		ON4AK 46,332-54-286-B-13		<i>Guernsey</i>
HS1ADX 49,140-60-273-C-19		<i>Czechoslovakia</i>		GC3YIZ 137,547-87-527-A-21
HS3AET 43,953-49-299-C-		OK2ABU 150,640-80-607-B-18		<i>Hungary</i>
		OK1TA 88,935-77-396-A-		<i>Multi-Single</i>
<i>AFRICA</i>		OK2PAX 19,482-34-191-A-		HASKQD (5 oprs.) 833,508-156-1781-B-
<i>Ascension Island</i>		OK3KGI 18,450-45-137-A-		<i>Ireland</i>
ZD8H 495,360-160-1032-A-22		OK2QR 10,656-37-97-B-4		EI4AL 91,605-93-329-A-
		OK1AVU 9000-40-75-D-19		EI2VDQ 2376-18-44-A-9
<i>Camerouns</i>		<i>Denmark</i>		<i>Isle of Man</i>
TJ1AW 2,278,404-228-3331-A-71		OZ5DX 473,478-146-1081-B-		GD3YBH 279,565-113-825-A-26
<i>Canary Islands</i>		OZ5GF 383,934-123-1049-A-		<i>Italy</i>
EA8BK 240,810-115-698-B-		OZ8MG 258,726-107-807-A-17		I1FLD 1,602,016-208-2568-B-85
		OZ3PO 25,080-44-190-A-7		I1MOL 1,260,090-195-2154-B-55
<i>Ethiopia</i>		OZ5CI 2728-22-174-A-		I1ELL 1,178,775-155-2535-B-
<i>Multi-Single</i>		OZ1TD 2262-22-57-A-		I1BEI 487,440-120-1354-A-50
9E3USA (K3BSY+WB8JAK)		<i>Multi-Single</i>		I1BZ 421,296-131-1072-A-
29,988-68-147-A-23		OZ7RD (7 oprs.) 381,006-122-1045-A-		I1WXY 48,195-45-357-B-8
<i>Kerguelen Islands</i>		<i>England</i>		I1XSP 15,594-46-113-A-
FB8XX 31,680-48-220-A-		G2QT 772,590-182-1415-A-36		I1ZNH 9879-37-89-A-12
<i>Liberia</i>		G3SEM 707,294-133-1832-B-55		<i>Multi-Single</i>
EL2CB 2,518,845-245-3427-C-		G3YHB 450,180-122-1230-A-50		I1MAU (3 oprs.) 1,364,250-170-2677-B-52
EL8K 481,758-138-1164-B-40		G6LK 293,544-108-906-B-35		I1KBT (3 oprs.) 587,541-151-1297-A-54
<i>Madagascar</i>		G3KMA 277,032-119-776-A-35		I1BH 208,432-56-1241-C-22
SR8AP 22,176-48-154-C-12		G5AOF 112,832-86-439-A-32		<i>Luxembourg</i>
		G3TJV 41,796-36-1161-B-		WA4WME/LX 540-9-20-A-
<i>Madeira Island</i>		G2AJB 5376-28-64-A-10		<i>Netherlands</i>
CT3AS 192,816-104-309-A-		G3MWZ 4760-28-57-A-		PI1HRL 297,360-118-840-B-
		G3JKY 4350-25-58-A-		PA0GMM 124,047-99-418-A-12
<i>Malawi</i>		<i>Multi-Single</i>		PA0YN 8352-29-96-B-12
7Q7AA 406,146-127-1066-A-29		G3JOC (4 oprs.) 2,778,357-223-4162-B-90		PA0TO 2272-32-71-A-
<i>Rhodesia</i>		G3SIX (5 oprs.) 856,464-176-1588-B-88		
ZE1BL 159,120-80-663-A-26		G3FVA (11 oprs.) 668,861-149-1500-A-90		
		<i>Antarctica</i>		
<i>South Africa</i>		KC4USL 136,218-73-622-C-13		
ZS5WN 508,380-148-1151-A-		<i>Argentina</i>		
ZS6FN 394,632-168-783-A-18		LU2FAO 356,850-130-915-B-20		
ZS6KP 15,015-33-152-A-13		<i>SOUTH AMERICA</i>		
ZS1ACD 8856-36-82-A-		<i>Argentina</i>		
<i>OCEANIA</i>				
<i>Australia</i>				
VK3QI 867,867-187-1547-A-62				

<i>Multi-Single</i>	SM7AIL 4602-26-59-B	<i>Multi-Single</i>	<i>Senegal</i>
PAØGN (9 oprs.)	SM3AF 4095-21-65-B	UK9HAD (2 oprs.)	6W8DY 69,186-89-258-B-
538,020-140-1281-A-96	SM6BSM 2268-18-42-B	8550-30-95-B-	<i>South Africa</i>
<i>Norway</i>	SM4AWG 1260-14-30-B	<i>Ryukyu Islands</i>	ZS2GP 95,976-86-372-B-22
LAØAD 2,673,290-230-3881-A-81	SM7RS 360-10-12-A-	<i>Multi-Single</i>	<i>Southwest Africa</i>
LA6GF 165,546-102-540-B-10	<i>Multi-Single</i>	KR6AY (+KR6XR)	ZS3CJ 496,446-97-1706-A-34
LA3K 80,028-78-342-A-42	SK6AW (5 oprs.)	656,880-136-1610-B-	ZS3KC 348,588-92-1263-B-32
LA8RL 79,380-84-315-A-	1,574,832-172-3052-B-	<i>Thailand</i>	<i>Tunisia</i>
LA2PC 69,360-80-289-A-16	SMØBYZ (+SMØOS)	HS3AFB 81,704-68-401-B-	3V8AL 113,146-74-510-A-12
LA4DM 32,088-56-6-191-B-20	419,206-239-1754-B-	<i>AFRICA</i>	<i>OCEANIA</i>
LA6BN 29,673-63-157-B-12	<i>Switzerland</i>	<i>Ascension Island</i>	<i>Australia</i>
LA8BN 24,450-50-163-A-5	HB9QD 1,556,103-197-2633-B-76	ZD8AB 401,940-140-957-A-32	VK5MF 135,600-80-565-B-24
LA8RI 8196-64-121-A-	HB9DX 14,175-45-105-B-	<i>Camerouns</i>	VK2WD 56,760-43-440-A-11
LA8OM 5850-30-65-A-6	<i>Wales</i>	TJ1AZ 557,856-144-1292-B-80	<i>Guam</i>
LA2LD 4914-21-78-A-3	GW3NWX 580,492-158-1225-B-35	<i>Canary Islands</i>	KG6AAY (K1PKQ, opr.)
LA4VG 1890-21-30-A-	<i>Yugoslavia</i>	EA8FS 765,450-150-1701-B-	1,706,776-191-2980-B-51
LA3HM 432-12-12-A-2	YU1SJ 129,789-69-627-B-14	<i>Dem. Rep. of the Congo</i>	KG6ASP 37,224-66-188-C-4
LA6XI 420-10-14-A-	<i>Multi-Single</i>	9Q5IA 817,552-148-1842-B-37	KG6JAR 10,374-38-91-C-
<i>Poland</i>	YU1BCD (YU1s PCF/CBC)	9Q5GJ 91,542-73-418-B-	<i>Hawaii</i>
SP5CJT 630,630-130-1617-B-46	1,270,070-170-2473-C-70	9Q5RD 44,068-46-320-B-25	KH6RS (K2SIL, opr.)
SP6CDK 23,457-52-245-A-	<i>ASIA</i>	<i>Ethiopia</i>	4,545,456-281-5719-C-47
SP2BSX 16,434-33-167-A-	<i>Japan</i>	<i>Multi-Single</i>	9G1WW 1,549,668-178-2902-A-63
SP9ADU 4293-27-56-A-	JH1CJQ 801,135-171-1564-B-31	9E3USA 603,296-136-1479-A-20	<i>Kerguelen Islands</i>
SP8AWP 1440-16-31-B-12	JAØCUV/I 771,897-157-1616-B-	<i>Ghana</i>	FB8XX 84-4-7-A-
<i>Multi-Single</i>	JH1YDR 732,000-160-1525-B-39	9G1WW 1,549,668-178-2902-A-63	<i>Indonesia</i>
SP6PZB (multiop.)	JA3USA 318,240-115-926-C-	<i>Madagascar</i>	YBØAAN 328,125-105-1045-B-
21,620-46-157-A-	JA3TRO 299,805-115-869-B-	<i>Madeira Island</i>	<i>New Caledonia</i>
<i>Portugal</i>	JA2JW 226,113-113-667-C-	CT3AS 48,195-51-315-A-	FK8AH 17,136-28-204-A-
CT1BH 2,252,211-221-3397-B-	JH1EIG 177,480-95-624-B-	<i>Malawi</i>	<i>New Zealand</i>
<i>Romania</i>	JA1ITE 164,208-88-622-A-	7Q7AA 272,943-99-919-A-21	ZL1BN 986,460-164-2005-A-37
YO2AFB 702-13-18-A-	JA1CG 138,528-78-592-B-	<i>Mauritius</i>	ZL1AGO 378,378-154-819-B-
<i>European USSR</i>	JA7BSK 136,800-80-570-A-	3B8CV 39,345-61-215-A-8	ZL2ACP 227,304-123-616-A-
UA3OG 9555-21-160-A-	JH1MTR 109,395-85-429-A-22	<i>Morocco</i>	<i>Philippines</i>
RA1AAT 3933-19-69-B-	JA4BNT 57,456-63-304-A-	CN8HD 727,716-149-1628-B-33	DU1FH 621,828-138-1502-C-
UA3GM 2346-17-46-A-	JA1DFQ 56,242-61-308-A-	<i>Mozambique</i>	<i>Tahiti</i>
<i>Multi-Single</i>	JA7KXD 39,930-55-242-B-31	CR7IK 310,500-100-1035-A-28	FO8BY 163,125-87-625-B-20
UK6AAF (3 oprs.)	K8FYI (WA8WP, opr.)	<i>Western Carolines</i>	KC6WS 709,020-156-1515-C-32
331,384-94-1179-B-	23,547-47-167-C-13	<i>Western Samoa</i>	5W1AR 3042-13-78-A-4
<i>Kaliningrad</i>	JA7GAX 18,480-40-154-A-26		
<i>Multi-Single</i>	JA2JAB 13,528-36-116-A-		
UK2FAA (3 oprs.)	JA4FRX 11,397-29-131-A-12		
1,186,965-1952029-B-	JA3YJQ 10,650-25-142-A-12		
<i>Ukraine</i>	JA4LFD 7998-31-86-A-11		
UB5BX 22,466-47-161-B-	JA8FD 7770-30-259-A-15		
UK5MAI 11,214-44-95-B-	JA6EIT 7482-29-86-A-14		
USARTEK 8820-30-100-B-	JH1DXM 5727-23-83-A-		
UT5DL 4503-19-79-A-	JA1GSK 5016-19-88-A-		
UT5OV 1680-16-35-A-	JA3BLN 3716-17-95-B-		
<i>Multi-Single</i>	JA1BDD 3552-26-76-A-		
UK51AA (3 oprs.)	JAØHXH 2898-21-46-A-		
279,720-126-759-B-	JA3CRK 2580-20-45-A-		
UK5IAZ (3 oprs.)	JA7HYS 1994-14-48-A-		
164,619-91-604-B-	JA6LYU 720-8-30-B-12		
UK5FAD (2 oprs.)	JA6KAV 420-7-20-A-		
6353-29-219-B-	JA7GQB 414-6-23-A-		
<i>Byelorussia</i>	JA1YKA 294-7-14-A-		
RC2WAQ 10,500-25-142-A-	JR1SWB 294-7-14-A-		
<i>Lithuania</i>	JR1BRJ 165-5-11-A-		
RP2PAW 61,568-38-540-B-	JA3BUB 108-4-9-A-1		
UP2OX 43,362-66-219-B-	JAØYAW 30-2-5-A-		
RP2PBI 5100-20-85-A-	JA2LNX 9-1-3-A-		
<i>Multi-Single</i>	<i>Multi-Single</i>		
UK2BBB (3 oprs.)	KA2KS (3 oprs.)		
701,238-146-1601-B-	1,267,200-192-2200-C-88		
UP2LR (2 oprs.)	JA3YBI (6 oprs.)		
43,176-56-261-B-	1,092,060-170-2140-C-48		
<i>Scotland</i>	JA9YBA (multiop.)		
GM5AQR 708,822-159-1486-A-61	310,185-113-974-C-		
GM3HMU 21,552-24-300-A-	<i>Lebanon</i>		
<i>Spain</i>	OD5BA 1344-16-28-B-		
EA1FD 1,371,428-212-2157-C-65	<i>Ogasawara Islands</i>		
EA3SA 570,873-139-1374-B-32	JD1ABX (JA1KSO, opr.)		
EA3RF 112,516-92-380-B-	68,760-60-271-A-4		
<i>Svalbard</i>	<i>East Pakistan</i>		
JWSNM 6660-30-74-A-4	OR4CR (ON4QJ, opr.)		
<i>Sweden</i>	14,472-36-134-C-		
SM6DKO 1,365,282-193-2358-B-	<i>Kazakh SSR</i>		
SM5EAC 669,672-142-1572-B-30	UL7YR 459-9-17-B-		
SM5CMP 16,637-127-109-501-B-	<i>Kirghiz SSR</i>		
SM5CAC 85,374-54-549-B-	UK8MAA 936-12-26-B-		
SMØCFR 33,201-31-357-A-	<i>Asiatic USSR</i>		
SM2CAA 10,184-38-268-B-	UAØDG 23,250-31-251-A-		
	UAØIW 14,100-32-150-B-		

## CHECK LOGS

Check Logs: (W/VE CW) W1IUY, WA1LXE, W2EGI, W2LKH, WA2AUB, K3KMA, W3CTE, W3EGN, W4JUK, W6EYR, W7QK, K8BYH, W8HAN, W8B9CNH, WØQYG, VE3ATF. (W/VE PHONE) K1WJB, W2EGI, W2UJ, K3KMA, W3EGN, W4KJL, WØAPQD, WØBTUI, W8BJ, W8FTS, VE2BWW, VE6AAV. (DX CW) DJØTA, DL1IP, DL6WD, DM2BCF, DM2BTO, DM2BUN, DM2CCN, DM2CGH, DM2CHM, DM2DRO, DM2DWN, DM3EGO, DM3LOG, DM3XHF, F2SQ, G3WP, HA5CI, HA5FA, HA5KFN, KZ5CU, LA8XM, LA9OI, LU8FBH, LZ1KCO, LZ2KTS, LZ2-N-169, OH1QB, OH3JR, OK2BCJ, OK2BEI, OK2BOV, OK2PDL, OK3EQ, OZ7MJ, OZ8HC, SM5BFJ, SM5UH, SM5UU, SM6PF, SM7QY, SMØIX, SP1CTN, SP1DPA, SP3BES, SP5ARH, SP5SIP, SP9CVG, SP9EE, SP9ZD, UA1CVA, UA3DD, UA3GO, UA3LAV, UA6BV, UA9CAT, UA9IF, UA9IQ, UA9MQ, UB5NA, UK5WBK, UK9CAM, UK9OAA, UV3CN, UV3DO, UV3HD, UV3TJ, UV9DU, UW3FW, UW3HY, UW3UG, UW4NP, UW6CV, UW6CW, UW9PT, UWØBA, YO2AVP, YO8KGA, YO9HO, YV5BPG, YV5CKR, E3JJ, ZS6JK, ZS6RE, 5H3MB. (DX PHONE) CR6TP, DK2XV, DL7DE, HA5HR, HS1ADX, JA6SBK, WA4UTP/KP4, W9PTN/KV4, LA7CL, LA9OI, LU5DDM, LZ2EE, OD5LX, OH7AA, OK1AAA, PY2OB, PY8GS, SM5AQB, SM5BFJ, SM5CBN, SM5GA, SM6AHS, SMØBDS, SP3XR, SP5DZI, TJ1AW, UA9VX, UA9-13031, UK3SAB, UK5QAU, UV3DN, UW3FW, YS1O, YV5BPG, ZE1BL, ZE3JJ, 5H3MB, 7P8AB. QST