Results of the

1964 CQ World Wide DX (Phone) Contest

BY FRANK ANZALONE,* W1WY

His was the year of the South American domination. All the world Trophy winners and most of the top scores came out of the fertile DX areas south of us. Venezuela has become contest minded in a big way and the YV boys copped three out of the four available Trophies. The remaining one was salted away by the perennial CX2CO.

Johnny Jaar rounded up five other operators and all the equipment they could get their hand on and activated all bands for a grand total of over 2000 contacts. With all those 3 pointers north of them how could they miss. So YV5AKU is the Top Banana in the Senior division of the multi-operator classification.

In the Junior division the Radio Club Venezolano picked its 5 best phone men and got the most mileage out of the club's new call YV9AA. Some of the fellows were puzzled by the new prefix and thought they had worked a new one, but it was just another YV.

The experience gained in last year's contest was put to good advantage by Raul Eiris and YV5BIG is at the top of the Single Operator, all band list by a wide margin.

Now that Ricardo Sierra, Jr. has completed the cycle by winning all the available Trophies over a period of 4 years, he is again eligible to compete in some of the other divisions and CX2CO is starting all over again by winning the Single Band Trophy on 14 mc.

The expected battle of the "Big Guns" in the United States did not materialize as both W3MSK and W6VSS went single operator for this one and left K2GL to fight it out for world honors. Buzz Reeves and his "Good Luck" gang would have made it too but for the YV block.

W3MSK's strategy paid off and is the winner of the new Potomac Valley Radio Club Trophy

TROPHY WINNERS

Single Operator, All Band, USA
Potomac Valley Radio Club Trophy
won by W3MSK, Operated by John
Reichert, Jr.

Single Operator, Single Band (14 mc) K2IEG, Barry Briskman Trophy won by Ricardo Sierra, Jr. CX2CO

Single Operator, All Band W2SKE, Bill Leonard Trophy won by Paul Eiris V., YV5BIG

. Multi-Operator, Single Transmitter W6YY, John Knight Trophy won by YV9AA, Radio Club Venezolano

Multi-Operator, Multi Transmitter
K2GL, "Buzz" Reeves Trophy
won by YV5AKU (Operated by YVAKU,
YV5AFH, YV5AHG, YV5AKP,
YV5AOS, YV5BED

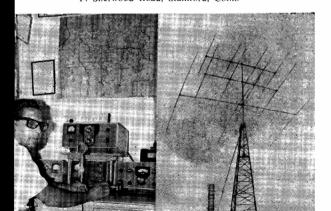
which is available only to W/K stations. The man behind the mic. was John Reichart, W3ZKH. Don't be confused when you also see his call in the W3 listing. He had his buddy Bob Cox. K3EST hold down the fort at home.

Bob Stankus, W2VCZ again made his usual fine showing at K2HLB, but lacked the multiplier to match W3MSK's score.

This year 28 mc was really dead. Even "Jaycee" found it tough going and LU1DAB's score is way below his usual peak.

There was lots of activity on 21 mc while the band was open but it required the use of both a.m. and s.s.b. to run up a good score. WA2SFP lead the pack on this band, Jim decided to

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YV5BIG— Raul might not have a lot of space on the horizontal plane but he makes up for it vertically. The building is 80 ft. high while the top of the "Christmas Tree" tops that by another 51 ft. Starting from the top down, it's the conventional 10, 15 and 20 meter beams, all homebrew. Hanging below is a 40 m. Telerex rotatable inverted V, and there's an 80 m. dipole hidden there somewhere. The S-Line equipment speaks for itself. All this plus an air-conditioned room, and now the W2SKE Trophy to decorate the desk.

relax this year and used his "Big Bertha" on 21 mc only.

However the "bread and butter" band was 14 mc, as it has been for the past few years. Except for CX2CO's runaway score you will note that most of the other high totals are closely bunched together. Once again VP7NS scored the highest number of contacts but Don again failed to get thru to the Far East and Oceania and was short on his multiplier. Note also the fine score made by VE8RG on this band.

The 40 meter "diehards" were even closer matched. How anyone can buck all those propaganda stations and jammers on that band is more than I will ever understand. The annual donnybrook between K2GXI and W3PHL ended up with a slight advantage for Bob, but Fred really made it a close one.

All the 75 meter phone activity was over in the European area, all except W1BU that is. Sam almost forgot to send in his log. Can you imagine not sending in a score of that size? You would be surprised to see some of the other equally impressive scores on other bands that were not sent in by stations that spent more than the admitted few hours in the contest. This year Leslie will be happy to see that he put G13CDF at the top of the list in spite of the advantage enjoyed by the 4X4's on 3.8 mc.

Some of you will find that your scores have been adjusted, many higher because of improper tabulation, others lower because of laxity in log keeping. Disqualification was avoided in almost all cases, but a high percentage of duplicate contacts and taking credit for questionable contacts will not be tolerated.

With the Trophy winners and top scores appropriately listed in their respective boxes, there is not much object going into details. Subject matter gleaned from the summary sheets should make interesting reading however.

The general consensus seemed to be that conditions were not as favorable as those experienced in 1963 but a lot of these opinions were dictated by the location.

G3FXB found the going tougher on 14 mc this year and Al's score seems to bear out this observation, although he is still top man on 14 mc in Europe.

Out in the Far East both KA2RJ and 9M4LX found it almost impossible to get thru to the States, while the same was true here on the East Coast in the opposite direction.

Some of the boys were not too unhappy however, Bob, K2HFX found 20 in good shape during the daylight hours, while over at WA2RUB, Dick thought that 15 was absolutely amazing, "you fellows must use a crystal ball to pick your dates."

As a matter of fact W3ASK's crystal ball was a bit clouded. George had indicated of possible disturbed conditions for part of the week-end. VE6AAV and K6ERV thought things worked out as predicted, good on Saturday, spotty on Sunday. Good or bad, Arie at XE1AB said he used the propagation charts to good advantage.

Some of the fellows were plagued with other problems. W3ECR had just moved to a new location. "With only dipoles and a transceiver I learned true humility." Amen! Bob, but I am sure you will have something better for the next one. Pity poor VU2RM, Rao is so restricted in space that he has to use indoor dipoles bent to fit the available space, while W3AXW is plagued by apartment restrictions and is limited to a random length of #30 wire concealed on the roof

YU2DB had a real problem, Matija was knocked out of action by the disastrous floods in this area, which you might recall reading about in the newspapers.

Bob Snyder, a real dedicated contest man, put 9M4LP back on the air the day after he had returned from around the world trip with the XYL and a 3 month old baby. Dog tired before he even started he still made it an interesting competition with 9M4LX. Bob had the thrill of working VK3ATN on all bands, 160 thru 15 (they forgot to try 10) and TIØRC and HC2LDA on 40. He heard W8JIN's c.w. but Jim could not get through on s.s.b.

This was WB2CCO's swan song as a stateside station. Bernie, another dedicated contest man, took down his beam right after the "brawl" and went overseas to Spain. Maybe some EA activity in the next one?

WIQAK was called into work just as he was starting to rack 'em up. Sorry Charlie, no certificate, but you can cry all the way to bank.

OH5OQ also found it necessary to curtail his contest operation, he was out elk hunting. Better meat on the table than certificate on the wall, right Erkki?

And as for thrills; W5EGS was ready to call it quits at 2130, but gave one final CQ and 21 mc and was deluged by JA's. While at W3GRS, Dick's biggest thrill was snagging K7LMU/3W8 during the last 15 minutes. But K2IEG went him one better, Barry flagged down the rare 3W8 for his last contact at 23:59.

Many are the thrills in the hectic operation of a multi-transmitter station. Bet the joint at K2GL must have been really buzzing when VQ8AM was heard weakly coming back to their prearranged sked on 40 a.m. (VQ8AM's log showed just 2 contacts on 40, K2GL and VQ8BS)

And speaking of rare ones, FH8CD showed 10 W/K contacts on 21 mc, while ZS2MI had only 4 of us on 14 mc, guess we missed the boat.

As the call indicates K7PNC/4 is a new arrival on the East Coast, "It took me 2 years to work 38 countries from Seattle," says Stew, "I did it in one week-end in the contest."

It's always a pleasure to receive logs from the YL's. Molly, ZE1JE made the Top Ten again with a very impressive score considering she was only using HT-32. And Tranchi, OH2TJ was again activating all bands.

Missing this year is Susan, VQ2WZ now 9J2WZ but Eric, 9J2EZ the OM made an appearance. We also missed the husband/wife

[Continued on page 95]

Top Ten ALL BAND-SINGLE OPERATOR

YV5BIG.	757,874
CX3BH617,148	ZL1AIX486,402
W3MSK 598,620	DJ2QZ479,386
HC2JT586,713	K2HLB 473,556
DJ6OT538,916	ZE1JE427,572
HB9ZY	

Top Six MULTI-OPERATOR SINGLE TRANSMITTER

YV9AA .	1,382,036	I1RB649,000
TIØRC	740,526	HC2LDA524,208
DL1JW .	701,274	K21EG 487,326

Top Six MULTI-OPERATOR MULTI-TRANSMITTER

YV5AKU1,463,871	KZ5AF 672,105
K2GL1,094,591	K6EVR411,312
OH5SM 944,790	OH2AA390,576

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

W1BFA A W1PST " W1QAK " K1VWL " W1BIH " W1PL] " W1HQV 21 K1HQV " K1HQV " K1RQE " K1WJL " K1DI " W1BPW 14 W1ZFV " W1JYH " W1JYH " W1CKA "	56,787 47,940 30,528 26,765 10,143 8,976 2,766 24,780 18,530 9,720 2,464 113,452 68,256 35,750 22,572 9,027	189 167 107 105 52 66 31 156 105 68 74 29 355 266 117 128	39 32 44 40 24 17 15 17 19 21 12 13 31 28 31 21	73 70 67 61 45 31 21 42 47 33 23 19 82 68 79
W1GBW " W1BU 3.8	6,150 21,390	52 1 29	15 20	26 42
X2HLB	473,556 83,212 75,852 39,010 19,760 12,540 12,095 9,996 4,592 3,360 1,247 100,287 59,248 39,040 37,848 36,900 18,544	629 238 228 151 86 71 81 75 42 30 17 420 236 170 175 181 110	79 48 41 316 22 20 16 17 127 226 223 229 219	189 94 83 59 44 39 31 25 25 66 57 42

Continental Leaders SINGLE BAND

28mc	G3FXB251,640						
LU1DAB 35,136	4X4FQ211,050						
4X4MJ 1,632	KH6FBJ 127,350						
K6CT 560	7 mc						
21 mc	DJ2YA 14,965						
WA2SFP 100,287	K2GXI 14,706						
CR6JL 84,240	JA2BTV 13,050						
DJ1ZG 71,463	PY4ND 2,996						
KH6FJL 25,912	ZL4BO 2,900						
PY5EG 15,120	3.8 mc						
14 mc	GI3CDF 35,052						
CX2CO414,005	4X4AS 29,392						
5A1TW 291,870	W1BU 21,390						
VP7NS286,003	YV5ANS 7,161						
U.S. Runners-up							
All Band W6VSS	324,009						

All Dand World							-			_ 1,000
28 mc K6CT .		-			-			,		560
21 mc						-			-	81,270
14 mc K2HWL									. 2	249,068
7 mc W3PHL										
3.8 mc					ı					880

36

WB2IGGV K2HWL 1 WB2CNA K2HFX WB2CCO WB2CCO W2KIT K2DGI WA2TKL WA2SQY W2QKJ WA2BXK	4 24 17 17 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	11,472 2,900 19,068 79,596 76,028 19,329 86,682 10,449 5,535 4,185 738	87 49 608 522 441 219 201 149 88 51 33 18 102	20 6 36 31 34 27 26 23 12 15 17	38 14 106 87 104 65 61 55 31 26 33 11 40
W3ZKH W3TLN K3TPL W3AZD W3ZVJ K3BNS W3WPG W3HPK W3MVB	A 29 11 11 11 11 11 11 11 11 11 11 11 11 11	98,620 98,240 97,184 48,010 13,232 13,088 93,016 91,387 97,488 76,288 59,212	648 438 383 294 254 275 240 261 252 200 187	96 83 63 65 59 47 45 47 46 52 36	234 173 129 125 109 105 113 96 96 97 77

WA2JMW .. " 16.665 110 19



XE1HHH—Miss Marilu Romero. Aren't you sorry you didn't make more of an effort to find Zone 6?

3PHL 6BPR		. 14,	,190 880	
W3KT W3GRS W3FDH W3CMZ W3ECR W3ECR W3ECA W3KMCO W3KMF 21 K3GKU W3KM 14 W3ZSS W3AYN 14 W3ZSS W3GHD W3PHL 7	57,630 51,375 42,500 25,996 17,640 6,968 5,120 2,482 52,734 8,740 920 129,642 14,916 3,904 3,708 1,344 14,190	181 149 163 142 105 48 46 35 27 199 73 18 369 115 45 38 23	38 45 36 24 31 19 15 14 10 28 18 35 14 14 12 8	
W4BVV A W4NIF A K4SHB " W40PM " K4WCC " WA4CGA " W4EEU " K4LPW " WA4IVL " WA4IVL " W44IVL " W44IVL " W44IVL "	269,487 119,130 97,486 67,900 55,008 24,158 21,939 21,328 20,510 20,250 18,204	408 226 232 189 184 105 108 102 112 104 91	78 54 53 45 50 34 23 32 22 28 33 25	1 1 1

3432228325598**927**2423**5**282198879 K4RZK K4IUO 28,056 20,864 13,851 56 42 38 39 29 21 12 13 12 66 62 42 33 21 20 14 W4NAY W40MW W4JVU W4RVW 132 139 37,410 33,400 13,786 K5HRR 2.268

K7UDV/5 .. 14 45,600 183 VE2AFC 21 21 16,020 124 39 W5KC K8YCM/5 VE3BMB 23 3.626 11.856 84 VE3CBY 42,900 23 52 WA5ALB 3.645 37 13 22 VE3E0E 3.838 43 13 22 23 44 49 VE40X 19.932 106 W6VSS 324.009 469 97 162 VEGAAV 31,464 6,253 168 58,455 57,600 W6GRX 158 83 74 65 60 32 31 20 109 16 VE6AGK 21 WELCX 200 176 130 46 47 37 27 22 17 VE6YZ 759 36 37,968 30,749 WEYMV 14 VE7RDI 21 1.540 35 9 WB6CWD VE7PII 14 119.034 507 29 13 73 21 9,027 7,473 3,478 30 60 54 33 K6H0R 30 VE7BHW WB6HGH 274,778 96 WARCT VE8ML 62,084 312 14 WB6BWZ 56**0** Canal Zone 22 21 22 17 WEBSY 17,030 1**02** 73 4**3** 93,600 554 56 10,302 9,177 5,719 30 K6AF7 46,939 267 KZ5LC 49 WASMWG 63 52 55 37 25 21 26 Costa Rica WA6WPG T12HP 14 939 30 91 WB6FWW 4,320 263,175 22 14 12 WB6CGA 3,610 16 Cuba W1PYM/6 1,656 10 COSRA 367 73 WB6FCR 1 160 10 COSIC 21 650 45 6 K6ERV 52,032 191 30 66 29 26 28 WAGZZK 46,276 195 63 Dominican Rep K6EX0 34,101 55 H18WSR 384,951 1107 60 101 WERKP 32,004 56 52 145 26 24 Greenland WASFYP 146 OX3JV 23.232 132 168,735 53,924 72 46 K6QDD 40 OX3MN 320 WB6FGT 19,110 41 WAGOWN 16,476 99 26 38 Guatemala 20 19 WERLID 15,420 10,504 91 72 40 33 **1299T** 89,388 523 23 55 W6KNE TG9ST 40,600 385 31 WA6ESB 434 43 3 WAGSBO 8.950 69 Honduras HR1RP K6BPR 3.5 880 18 11 11 22 20 13.692 W7ESK 233.825 428 71 128 Mexico 59 169,606 W7YBX 6,624 18 28 XE1ZE 84 W7ENA 1,368 19,710 8,700 34 22,120 21,420 123 117 24 21 23 17 XE1HHH W7DLR 48 30 47 W70PK Nevis Island 14,945 38 W7MKI 89 VP2KJ 67.925 515 38 8,178 7,216 W7LVI 30 W7MX 26 24 Nicaragua KŹVYU 5,109 49 15 YN1LH 14 10,848 34 **K8HIR** 176,528 378 63 124 Panama 74 35 HP1JF 11.960 15 25,650 22,610 WARFWT 119 55 **N8WC** 104 26 34 59 Puerto Rico 51 KP4A00 UX IS 19,175 12,792 A 270,633 34,884 898 65 112 80 34 217 30 46 **V8VND** 25,949 126 **24** 21 53 KP4BBN 14 35,088 233 44 8VDV 97 72 33 16,900 10,296 44 34 A8CZH 18 Africa 20 17 BUCI 2,937 Angola BHUD 64,376 31 84,240 9,700 CR6JL 21 66 66 62 WASAII 46,060 184 28 24 25 17 13 CREAU W3RXY 43 774 181 14 84,018 CREDE 80 50 W8NK 20,850 98 91 77 12,597 34 Comoro Is. K8DWQ 8,159 28 FH8CD Α 4,608 53 21 2,667 2,387 Wakyy 14 Congo Republic 20 11 W8NNH AA8NT 19.728 21 51 K9VFF 25,132 108 40 63 Liberia K9ZJV 16,490 86 34 51 EL3C 14 26 9 13,908 1.540 13 K9MHW 28 73 48 .. 19 22 30 KODTR Libya 25 KAECE 29,940 135 60 5A3TX 17 5A1TW 291,870 106 WA91SM 28,259 132 24 53 Malawi 9KCQ VA9FXI 2,703 1,596 21 23 14 12 19 16 ** **7Q7PBD** 103,675 270 92 W90KM Marion Island A 7,400 6 3.8 110 5 ZS2MI 66 32 wøquu 95.852 218 52 44 21 14 21 21 14 7 Mauritius 65 29 20 **41** WØLBB MARDV 4,950 1,904 21,958 16,043 4,165 95,580 207 53 124 46 29 77 KØJPL " KØGSV Morocco WØLBS CN8GB 407,784 108 102 4ö KØBUU Mozambique CR71Z 7 WØSCM 902 15 2.940 14 27 21 48 CR7GF 25,050 122 Alaska Nigeria KL7FAR 212 12 20 15,598 5N2CKH 107 5N2JWC 14 48,642 253 22 20 5,456 72 44 Republic of Congo Bahamas

9Q5AA

FR7ZD

9L1HX

71

81

62

62

57

22,815 149 23 42

Reunion Island

31,996

Rhodesia

427,572

Sierra Leone

60,690

14

173

707 65 149

51

59

VP7CX

VE1ALQ

VE2WY

133,422

286,003

Canada

76,500

50,481

38,184

30,616

312

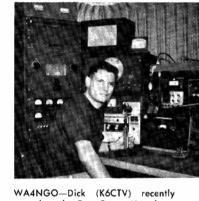
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WA4NGO—Dick (K6CTV) recently moved to the East Coast. Must have used an extra moving van to cart all that gear with him.



Italy. Now what is Mino doing with that troublesome teleprinter in a phone contest?

The crew that won the John Knight, W6YY Trophy for YV9AA relaxing at the Club headquarters. L. to R.—YV5BBU, 5AEC, 5BOA, 5ANF, and 5BPJ.





K6EVR—Ron Camp at the operating position before the contest crew took over.



HC2LDA—Evidently the gang had a regular field day set up. With all that space they should have planned on multi-transmitter operation.

DJ2SP—Heinz is really QRP. That's all of 30 watts on the desk.



Somalia 100 606BW 129,648 311 46 South Africa 121,840 92 73,632 29,100 66 50 30 7S4JB

5X51U	 14	Uganda 120,848	415	31	81
9J2EZ 9J2VB	 A 14	Zambia 30,720 238,428	125 579	34 35	62 113

238,428 579

Asiα India 15,229 30,879 10,320 83 175 75 32 23 21

VU2CK VU2AK 14 2.964 26 VU2KM Iran 302 EP2AU 14 85,446 33 68

Israel 1,632 211,050 4X4MJ 14 580 227

VU2RM

4X4FQ 4X4AS 3.5 29.392 Japan 87,900 JA1CFN JA1BUI 83,850 346 .. 10,300 .. IA1HGY 1,122

21 JASCVA 21,315 148 15,925 114 137 JA7UJ JAIKFO 13,896 JASCOX 10,120 3,741 JA1JXU 49 1A2RGW 3,672 51 22 25 26 1,848 1,792 IAGUD .. JA1NSJ JA1MYR .. 476

JA1IIX 102 JA6AZQ 44 JA10BG 96 14 143,509 JA2AEV 76,358 JA1CWP JA6NP 75 860 5,220 4,224 2,100 JA2ANX IA1L PO 41 IAGAV JA2TY JA4AQR JA4FM 480

209 13.050 IA2BTV 11,858 1,729 IATINI JA8QC 71,214 10,320 KA2RJ KA7DB Korea HL9TR 8,244 Lebanon

42 OD5LX 5,900 Malaysia, West 289,884 277,680 13,145 QMAI Y 578 533 9M4LP 9M2L0

9M2GF

KR60J

UMAKAA

UM8KAB

Union of Soviet Socialistic Rep.

Kazakh

Kirghiz

1,056

36. 696

666 18 6 9

9,000

JG6AW	 14	4,576
		Asiatic
JA9KTE	 A	27,068
UA9RR	 21	11,718
UA9EU	 14	22,656
UW9AF	 3.6	7,028
UAØEK	 А	27,420
UACEH	 4.6	4,598
UAØSH	 14	5,207
UABGF	 14	113
	- 1	Azerbaijo
UD6BR	 A	27,230
UD6BN		3,190
UD6BD	 "	1,548
LIDSEA	4.4	133

ı	81	
4	62 113	

56 50 39

OK1ADP OK3CDR OK1ADM 35 11 91 33

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Ryukyu Islands A 187,740 512 52

104

124 85 196

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Armenia

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OK1VK OK1AFB OK2ABU OK3CEH ОКЗЕА 46 OK2BEN OK2BDB

OZ4RT

OZ4WR OZ3SK

OZ9QW OZ4DX OZ3KE

OZ7OMR

G3DYY G3MWZ

G2AJB

G3CAZ

G3RMF

G3PZ0

G3FXB

G3LSF

G3HDA

OH2BH

OH3QC

OH10E

0H3ZN 0H50Q

OH3Y1

OH2DX

OH2BZ

OH2TJ

0H400

OH5OD

онзхи

OH2TE

OH3RK

FQMS

F8WE

F9RM

F8BC

F3PK

F8PI

F5BV

F2SY

F7FK F7EI

DJ6QT

DJ2QZ DL3DW

DJ2HH

DL7AA

DL7HU

DISWE

DJ5VQ

MSRIT

DLARS

DJ5HN

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14 14

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588 13.376 **17,187** 1,054

17,524

16,048

Germany 538,916 479,386 225,723 210,700

145,350 131,147

124,968 107,640

55,350

42,350

35,600

21,792

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230.220

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OHØNI

ON4SZ

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LZ1UF

11,771 000 E 2,010 18,692 17,358 4.180 1,380 OK1VB OK1MP OK20P OK1AAE OK31R

Turkoman

36,176

Uzbek

14

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360 23.052

8.840

Europe Aland Island A 21,138 2

Belgium

184,366

Bulgaria

151,590 124,950

55,860

Czechoslova

8,272

589

170 23 53

427 55 22 127

146 72

23

kia

485

232 45 21 95 58

120 14

43 48

157

166

5

51

6

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29

55 26

14

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19

9 32 32 56 Denmark 127,512 32,777 354 168 29,656 5,967 210 407 ..

80

	DL6DF DJØIK DL7BA DJ1SX DJ4PU		21	12,760 11,842 9,010 8,965 8,160 7,888 2,961 1,050 1,010 288 121 71,463 39,689 5,796 1,794 1,323 182,090 180,422 35,644	87 99 107 76 109 60 33 27 18 7 300 194 51 25 548 463 213	38 23 21 16 16 23 17 11 8 13 6 4 27 23 17 12 10 36 37 26 24	68 35 41 37 39 28 51 36 217 10 7 56 48 29 14 19 19 10 10 10 10 10 10 10 10 10 10	SM58DQ A 205,716 607 52 106 SM381Z A 204,282 539 57 137 SM58PJ 20,650 110 24 46 SM4CHM 2,720 53 11 23 SM6AUZ 11,100 95 23 37 SM5CZK 960 28 10 20 SM5AM 14 209,050 696 33 80 SM5AM 14 177,821 550 37 96 SM5AM 14 177,821 550 37 96 SM5AM 14 177,821 550 37 96 SM5AM 14 209,050 696 33 80 SM5ANH 14 177,821 550 37 96 SM	
	DJØGS DL7EL DJ6OK DJ2YA DJ3KR DJ9VW		3.5	11,269 7,990 14,965	174 92 93 123 171 33	30 19 16 22 11 4	52 40 31 51 36 27	Switzerland HB9ZY A 412,895 711 68 167 HB9MO 161,298 391 55 119 HB9UD 14,904 104 33 59 Wales	W4AXE— and 3
	DL5DT DL4VR		Ä	90,965 23,520	361 139	32 32	83 48	GW3SFC A 2,970 66 9 24 GW3OCD 14 21,945 186 19 38 Yugoslavia	
	DL5GF DL5A0 DL2P0 DL4RM DL5BR	,	**	146,910 119,000 24,780 5,746 4,282	642 440 135 92 71	23 31 26 11 10	69 58 15 19	YU30Y A 67,950 360 38 112 YU2DB 5,986 98 14 27 YU3LB 14 20,460 225 20 40 YU1AG 54 9 2 4	KHGEPW KHGFJL KHGFBJ KHGBVS
	SVØWP SVØWB	P B	Ä	Greece 47,472 20,000	354 155	26 28	60 52	Union of Soviet Socialistic Rep.	KX6CI
	TF3EA TF2WIA		14	Iceland 19,020 16,335 Italy	149 188	19 14	41 31	Estoniα UR2KAC A 1,196 42 8 18 UR2AO 7 1,564 80 5 18 UR2GZ 3.8 570 29 4 15	ZL1AIX ZL1AGO ZL3AB
	IILCK IILCF IISF IIWSG		2 <u>1</u>	326,716 30,618 27,142 30,485 23,161	648 248 130 183 155 341	67 35 28 23 21 30	139 91 54 68 32 69	UA3VB A 21,631 169 27 70 UA6FD 1,802 35 11 23 UA1KBW 14 66,033 320 29 58 UA6XG 38,353 263 28 66 UA4KWB 31,023 291 18 63 UA1CX 8,122 102 9 22	ZL3RU ZL4B0 DU1GF
	PAØLV PAØHBO PAØHSJ) 	14 14	8,040	102 628 118	18 35 18	49 98 35	UA1KIL " 6.854 109 10 36 UW10L " 2.310 44 12 23 UA4KCE " 1.311 47 8 15 UW3TE " 1.212 46 7 14	KW6EI
Į	GI3SXG GI3CDF		A	61,908 35,052	348 309	25 19	52 50	UA3AW ' 16 2 2 2 UA1CK 7 3,600 75 11 29 UA3UTR 3.8 180 17 4 8	LU7DGM
-	LAGU Labh Lagur		A 14	Norway 32,625 5,796 22,120 20,262 1,326	161 58 233 152	29 21 18 22	46 42 38 44	Latvia UQ2KAT A 1,380 42 7 23 UQ2KHE " 629 35 5 12 Lithuania	LU4GAU LU4DMG
	LASIH		O	Poland	65 21	9 4	16 11	UP20N 14 18,438 231 13 29 UP2NAE 3.8 1,232 55 4 18	PY2CQ PY1NBF PY7AKW
	SP5XM SP6AAT SP9AJN SP5ZA SP5AR		21 14	40,748 5,246 260 170 64,787	214 111 12 7 290	40 10 5 6 31	82 33 8 7 72	Moldavia U05LP A 10,030 132 17 42 Ukraine UB5UN A 282,842 684 69 158	PYSEG PY30J PY1BWF PY3AHJ PY1CAD
•	SP5HS SP9ANH SP6PZB	 I	"	8,281 1,960 627	94 40 30	15 9 6	34 19 13	UB5KYB	[Co
	CT1NW CT1KH		21 7	Portugal 2,813 1,092	50 28	10 3	19 10	UB5E0 " 4,452 69 10 32 UB5CK " 3.570 63 10 32	CR6JL—Ju
	SVØWF		A	Rhodes 11,340	118	15	30	UB5IU " 648 26 5 13 UB5KED " 170 17 3 7	
	Y04WU Y02IS Y03KBC Y03ZM Y02CJ Y03RF		A 14 7	Roumania 7,084 1,472 1,872 220 190 989	108 38 60 19 19 40	16 9 5 3 7	30 23 21 8 7	UC2KGD 7 70 10 2 5 Oceania Australia	Ī
	GM3BCI GM3JDR GM3SFH GM3NQI		21 14 3.8	Scotland 60,120 6,626 1,056 3,668	262 70 47 130	41 15 4 5	79 23 18 23	VK2KM 21 16,568 150 17 21 VK2APK 14 93,086 325 35 74 VK2WD " 15,458 94 25 34 VK2AKF " 12,803 101 18 33 VK3ATN A 182,055 401 67 92 VK3TL " 14 40,362 162 32 61 VK3HL " 17,667 106 24 39	
	EA7ID EA7JT EA4GZ EA3KT		A 14	Spain 77,216 4,368 173,452 340	266 70 744 20	47 12 30 4	105 30 73 13	VK3HL " 17,667 106 24 39 VK3XB 7 1,282 28 9 7 VK3KS " 360 20 4 2 Guam KG6APJ 14 123,984 388 31 77	



—Doug was 2nd in the USA 3rd world high on 21 mc.

Brazil 95,910 84,870 17,712 15,120 6,090 540 182,245 154,880 259 89 102 101 13 45 26 18 11 8 34 35 78 46 38 10 8 93 93 21, 425 ontinued on page 94]

lulio was 2nd world high on 21 mc.



Phone Results [from page 61]	Costa Rica TIØRC 740,526 1354 81 168	Sweden SM6CAS 346,086 631 73 161
PY7GV " \$9,534 211 29 74	(TI2SS, TI2PI, TI2JIC,	(SM6VR, SM6CAS, SM6BSK, SM6BJI, SM6CKV, SM6BGG, SM6AOE)
PY7AGC " 35,492 168 26 50 PY2PC " 19,500 90 27 51	TI2QKX, TI2HGA) Mexico	SM6BGG, SM6AOE)
PY2BGO " 5,577 56 16 23	XE1AB 334,305 888 62 109	SM5AZU 112,574 391 48 106 (SM5MC, SM5ATN, SM5BGM, SM5AZU)
PYGNW " 576 12 8 8 PY4ND 7 2,996 41 13 15	(XEIAB, XEIJI)	\$1.2AD 22.080 235 23 41
Chile	Puerto Rico KP4BPG 91,982 607 28 46	(SM2CDW, SM3BZL)
CE2HW 21 2,046 41 11 11	(KP4BPG, KP4BFG)	Wales GW3NWV 403,782 919 55 118
Colombia HK4EB A 362,518 685 64 127	7 fm: m en	(GW3NWV, GW3DIX)
HK3AFB 14 36,762 198 20 46	Africa	Union of Soviet
HK3RQ " 35,376 188 23 44	Ethiopiα FT3USA 133.311 444 42 103	Socialistic Rep.
Ecuador HC2JT A 586,713 928 81 142	ET3USA 133,311 444 42 103 (K1QHP, K2PWS, K4YFE)	Club Stations European
HC5IJ " 64,464 308 31 48	Malawi 7Q7GN 51,908 249 30 58	UA3KAA 262,300 762 79 165
HC5NW 14 20,128 205 15 19	7Q7GN 51,908 249 30 38 (7Q7GN, 7Q7OL)	UA4KED 83,4/5 335 4/ 112
Netherlands, W. I. PI2CR A 104,280 316 49 71		UA1KIA 5,920 105 8 32
PJ3CD 14 19,950 153 15 35	Asiα	UA1KBA 3,276 84 10 26
Paraguay ZP50G A 106,396 294 45 89	U.S.S.R. Asiatic	Kaliningrad
Paris	Club Stations	UA2KAP 460 24 8 15
OA4KY A 124,650 307 62 88	UAØKIF 22,422 215 15 22 UA9KSC 8,448 68 12 36	UQ2KAX 43,010 270 34 76
0A4PD 14 121,023 387 34 79 0A1W 6.545 70 19 26	Azerbaijan	UQ2KGV 6,345 134 12 33
Uruguay	UD6KAR 100,674 324 33 88 (UD6BQ, UD6CC, VLAD)	UQ2KCT 1,775 61 6 19 Lithuania
CX3BH A 617,148 924 84 153 CX2CN 21 9,024 75 20 28	Estonia	UP2KAB 29,696 282 19 45
CX2C0 14 414,005 950 27 118	UR2KAA 101,801 452 35 88	Moldavia UO5KRU 3,528 88 9 27
Venezuela YV5BiG A 757.874 1263 71 135	Jαpαn KA2RG 127,300 432 33 62	Ukraine
	(KA2RG, KA2FF)	UB5ARTEK 12,411 139 19 44 UT5KKG 8,060 111 13 39
YV3KX " 21,600 186 20 20 YV5BWP " 11,232 80 22 32 YV5BQF 14 249,096 796 27 80	Ryukyu Islands	UB5KEP 2.821 59 8 23
YV3LD " 96,412 410 24 57	KR6FY 90,496 402 40 61 (KR6FY, KR6UD)	
VUIDD " 40 900 272 17 33	_	South America
YV5BUK " 10,148 73 26 33	Europe	Ecuador
YV5BNW 8,721 53 21 36 YV5ANS 3.5 7,161 86 10 21	Czechoslovakia Club Stations	HC2LDA 524,208 923 76 125 (HC2MO, HP, FB, FC, WB,
	OK3KAG 55.640 428 32 98	ML, UC, CW, CC, BJ)
MULTI-OPERATOR	OK1KPR 28,452 238 23 79 OK3KGI 5,850 120 13 32	Venezuela YV9AA 1.382,036 1645 87 205
Single Transmitter	Finland	YV9AA 1,382,036 1645 87 205 (YV5AEC, YV5AGD, YV5ANF, YV5BBU, YV5BPJ)
Sincie i lunammei	0110114 040 000 747 04 450	VVSRRII VVSRPI)
	OH2AM 310,980 717 61 152 (OH2BBM, OH2BC,	
North America	(OH2BBM, OH2BC, OH2BS, OH2SB)	MULTI-OPERATOR
North America	(OH2BBM, OH2BC, OH2BS, OH2SB) Germany	MULTI-OPERATOR Multi-Transmitter
North America	(OH2BBM, OH2BC, OH2BS, OH2SB) Germany DL1JW 701,274 954 93 109 (OL1JW, DL1KB)	MULTI-OPERATOR Multi-Transmitter North America
North America United States K21EG	(OH2BBM, OH2BC, OH2BS, OH2SB) Germany DL1JW 701,274 954 93 109 (DL1JW, DL1KB) DJ2BW 423.300 785 56 148	MULTI-OPERATOR Multi-Transmitter North America
North America United States K2IEG	(OH2BBM, OH2BC, OH2BS, OH2BS) Germany DL1JW 701,274 954 93 109 (DL1JW, DL1KB) DJ2BW 423,300 785 56 148 (DJ2BW, DL4WJ) DL9V7 198 303 307 70 143	MULTI-OPERATOR Multi-Transmitter North America K2GL 1.094,591 1084 104 255 (K2GL WIGYE W2GLM, W2IWC, W6KFV, K2DGT, K2TXC, K2UYG, W6EMFX,
North Americα United States 487,326 620 95 188 (K2IEG, K1ANV, W20CM, K20II) WB2CKS 175,336 314 63 139 (WB2CKS, W2PCJ) W3WJD 396,706 527 87 191 (W3WJD, K3JJG) W3KFD 150,300 304 63 117	(OH2BBM, OH2BC, OH2BS, OH2BS) Germany DL1JW 701,274 954 93 109 (DL1JW, DL1KB) DJ2BW 423,300 785 56 148 (DJ2BW, DL4WJ) DL9V7 198 303 307 70 143	MULTI-OPERATOR Multi-Transmitter North America K2GL 1.094,591 1084 104 255 (K2GL W1GYE W2GLM W2IWC, W6KFV, K2DGT, K2TXC, K2UYG, W62MFX, WARRAU)
North America United States 487,326 620 95 188 (K2IEG, KIANV, W20CM, K20II) WB2CKS 175,336 314 63 139 (WB2CKS, W2PCJ) W3WJD 396,706 527 87 191 (W3WJD, K3JJG) W3KFQ 150,300 304 63 117 (W3KFQ, K3JGJ)	(OH2BBM, OH2BC, OH2BS, OH2BS) Germany DL1JW 701,274 954 93 109 (DL1JW, DL1KB) DJ2BW 423,300 785 56 148 (DJ2BW, DL4WJ) DL9V7 198 303 307 70 143	MULTI-OPERATOR Multi-Transmitter North America K2GL 1.094,591 1084 104 255 (K2GL W1GYE W2GLM W2IWC, W6KFV, K2DGT, K2TXC, K2UYG, W62MFX, WARRAU)
North America United States 487,326 620 95 188 (K2IEG, K1ANV, W20CM, K20II) WB2CKS. 175,336 314 63 139 (WB2CKS, W2PCJ) W3WJD. 396,706 527 87 191 (W3WJD, K3JJG) W3KFQ 150,300 304 63 1.17 (W3KFQ, K3JGJ) K3JCT 112,340 255 5 109 (K3JCT, K3LJZ)	(OH2BBM, OH2BC, OH2BS) Germany DL1JW 701,274 954 93 109 (DL1JW, DL1KB) DJ2BW 423,300 785 56 148 (D12BW, DL4H4) DL9VZ 198,303 397 70 143 (D12SK, D12US, D12V0 D16YT, DL3BL, DL9VZ) DL9JL 129,033 381 58 119 (D12VS, D1301, D14XS, D15PA, DL5UN, D18EQ, D15PA, DL5UN, D18EQ,	MULTI-OPERATOR Multi-Transmitter North America K2GL 1.094,591 1084 104 255 (K2GL W1GYE W2GLM W2IWC, W6KFV, K2DGT, K2TXC, K2UYG, W62MFX, WARRAU)
North America United States 487,326 620 95 188 (K21EG, K1ANV, W20CM, K2011) WB2CKS 175,336 314 63 139 (WB2CKS, W2PCJ) W3WJD 396,706 527 87 191 (W3WJD, K3JJG) W3KFQ 150,300 304 63 117 (W3KFQ, K3JGJ) K3JCT 112,340 255 55 109 (K3JCT, K3LJZ) W3MWC 77,352 204 47 85 (W3MWC, K3JLT)	(OH2BBM, OH2BC, OH2BS) Germany DL1JW 701,274 954 93 109 (DL1JW, DL1KB) DJ2BW 423,300 785 6 148 (D12BW, DL4HU) DL9VZ 198,303 397 70 143 (D12SK, D12US, D12VO D16YT, DL3BL, DL9VZ) DL9JL 129,033 381 58 119 (D12VS, D13OL, D14VS, D15VA,	MULTI-OPERATOR Multi-Transmitter North America K2GL 1.094,591 1084 104 255 (K2GL, W1GYE, W2GLM, W2IWC, W6KFV, K2DGT, K2TXC, K2UYG, W62MFX, WAZRAU) KZ5AF 672,105 1598 64 121 (K25AF, K25AZ, W5FNB) K6EVR 411,312 581 93 171 (K6EVR, K6IIC, K6YRA, WGGFE) W5KFT 328,283 491 83 164
North America United States 487,326 620 95 188 (K21EG, K1ANV, W20CM, K20II) WB2CKS 175,336 314 63 139 (WB2CKS, W2PCJ) W3WJD 396,706 527 87 191 (W3WJD, K3JJG) W3KFQ 150,300 304 63 117 (W3KFQ, K3JG) K3JCT 112,340 255 55 109 (K3JCT, K3LJZ) W3MWC 77,352 204 47 85 (W3MWC, K3JLT) W3IYF 46,973 159 37 70	(OH2BBM, OH2BC, OH2BS) Germany DL1JW 701,274 954 93 109 (DL1JW, DL1KB) DJ2BW 423,300 785 6 148 (D12BW, DL4HU) DL9VZ 198,303 397 70 143 (D12SK, D12US, D12VO D16YT, DL3BL, DL9VZ) DL9JL 129,033 381 58 119 (D12VS, D13OL, D14VS, D15VA,	MULTI-OPERATOR Multi-Transmitter North America K2GL 1.094.591 1084 104 255 (K2GL, W1GYE, W2GLM, W2IWC, W6KFV, K2DGT, K2TXC, K2UYG, WEZMFX, W2RAU) KZ5AF 672.105 1598 64 121 (K25AF, K25AZ, W5FNB) K6EVR 411.312 581 93 171 (K6EVR, K6IIC, KGYRA, W6GFE) W5KFT 328.283 491 83 164 (W5KFT, W5FYX, K6LSG) W8NG0 200.990 372 66 133
North America United States 487,326 620 95 188 (K21EG, K1ANV, W20CM, K20II) WB2CKS 175,336 314 63 139 (WB2CKS, WPECUS, W2PCU) W3WJD 396,706 527 87 191 (W3WJD, K3JJG) W3KFQ 150,300 304 63 117 (W3KFQ, K3JG) K3JCT 112,340 255 55 109 (K3JCT, K3LJZ) W3MWC 77,352 204 47 85 (W3MWC, K3JG) W3IYE 46,973 159 37 70 (W3IYE, W3TGF) K3WFX 4.860 68 20 34	(OH2BBM, OH2BC, OH2BS) Germany DL1JW 701,274 954 93 109 (DL1JW, DL1KB) DJ2BW 423,300 785 6 148 (D12BW, DL4HU) DL9VZ 198,303 397 70 143 (D12SK, D12US, D12VO D16YT, DL3BL, DL9VZ) DL9JL 129,033 381 58 119 (D12VS, DJ3OL, D14VS, D15VA, D15VA, D16UN, D18CQ, D15VA, D16UN, D18CQ, D16CA, D16CA, D18CB, D16UN, D18CQ, D18CB, D16UN, D18CB, D16UN, D18CQ, D18CB,	MULTI-OPERATOR Multi-Transmitter North America K2GL 1.094,591 1084 104 255 (K2GL, WIGYE, W2GLM, W2IWC, W6KFV, K2DGT, K2TXC, K2UYG, W82MFX, WAZRAU) KZ5AF 672,105 1598 64 121 (K25AF, K25AZ, W5FNB) K6EVR 411,312 581 93 171 (K6EVR, K6IIC, K6YRA, W6GFE) W5KFT 328,283 491 83 164 (W5KFT, W5FYX, K6LSG) W8NGO 200,990 372 66 133 (W8NGO, W8CLR, K8LSG)
North America United States 487,326 620 95 188 (K21EG, K1ANV, W20CM, K2011) WB2CKS 175,336 314 63 139 (WB2CKS, WPEC) W3WJD 396,706 527 87 191 (W3WJD, K3JJG) W3KFQ 150,300 304 63 117 (W3KFQ, K3JGJ) K3JCT 112,340 255 55 109 (K3JCT, K3LIZ) W3MWC 77,352 204 47 85 (W3MWC, K3JCT) W3IYE 46,973 159 37 70 (W3IYE, W3TGF) K3WFX 4.860 68 20 34 (K3WFX, K3VTO) K4CAH 131,880 295 50 118	(OH2BBM, OH2BC, OH2BS) Germany DL1JW 701,274 954 93 109 (DL1JW, DL1KB) DJ2BW 423,300 785 56 148 (DJ2BW, DL4HU) DL9VZ 198,303 397 70 143 (DJ2SK, DJ2US, DJ2VO DJ6YT, DL3BL, DL9VZ) DL9JL 129,033 381 58 119 (DJ2VS, DJ301, DJ4XS, DJ5PA, DL6UN, DJ8EQ, DJ8CB, DL9JL) DLØNS 58,512 317 27 65 (DL6QV, 9YP, DL1TY, 1UF, 2AW, 30Z, 4YY, 6MQ, 7NX) DM3ML 47,236 255 29 69 (Club Station)	MULTI-OPERATOR Multi-Transmitter North America K2GL 1.094.591 1084 104 255 (K2GL, W1GYE, W2GLM, W2IWC, W6KFV, K2DGT, K2TXC, K2UYG, WEZMFX, W2RAU) KZ5AF 672.105 1598 64 121 (K25AF, K25AZ, W5FNB) K6EVR 411.312 581 93 171 (K6EVR, K6IIC, KGYRA, W6GFE) W5KFT 328.283 491 83 164 (W5KFT, W5FYX, K6LSG) W8NG0 200.990 372 66 133
North America United States 487,326 620 95 188 487,326 620 95 188 (K2IEG, K1ANV, W20CM, K20II) WB2CKS	(OH2BBM, OH2BC, OH2BS) Germany PL1JW 701,274 954 93 109 (DL1JW, DL1KB) DJ2BW 423,300 785 56 148 (DJ2BW, DL4HU) DL9VZ 198,303 397 70 143 (DJ2SK, DJ2US, DJ2VO DI6YT, DL3BL, DL9VZ) DL9JL 129,033 381 58 119 (DJ2VS, DJ3O1, DJ4XS, DJ5PA, DL6UN, DJ8EQ, DJ8GB, DL9JL) DLØNS 58,512 317 27 65 (DL6QV, 9YP, DL1TY, 1UF, 2AW, 30Z, 4YY, 6MQ, 7NX) DM3ML 47,236 255 29 69 (Club Station) DM3BL 3,034 59 11 26 (Club Station)	MULTI-OPERATOR Multi-Transmitter North America K2GL 1.094.591 1084 104 255 (K2GL, W1GYE, W2GLM, W2WC, W6KFV, K2DGT, K2TXC, K2UYG, WB2MFX, W42RAU) KZ5AF 672.105 1598 64 121 (K25AF, K25AZ, K25AZ, W6ZFN) K6EVR 411.312 581 93 171 (K6EVR, K6IJC, K6YRA, W6GFE) W5KFT 328,283 491 83 164 (W5KFT, W5FYX, K6LSG) W8NG0 200,990 372 66 133 (W8NG0, W8CLR, K8LSG) K6SEN 170.768 320 83 125 (K6SEN, K6TSY)
North America United States 487,326 620 95 188 (K21EG, K1ANV, W20CM, K20II) WB2CKS 175,336 314 63 139 (WB2CKS, WPEC/IS) W3WJD 396,706 527 87 191 (W3WJD, K3JJG) W3KFQ 150,300 304 63 117 (W3KFQ, K3JG) K3JCT 112,340 255 55 109 (K3JCT, K3LJZ) W3MWC 77,352 204 47 85 (W3MWC, K3JCT) W3IYE 46,973 159 37 70 (W3IYE, W3TGF) K3WFX 4.860 68 20 34 (K3WFX, K3VTO) K4CAH 131,880 295 50 118 (K4CAH, W4KET, W4PJG) WA4NGO 117,107 247 62 119 (WA4NGO, K4RLO)	COH2BBM, OH2BC, OH2BS, OH2BS	MULTI-OPERATOR Multi-Transmitter North America K2GL 1.094,591 1084 104 255 (K2GL, W1GYE, W2GLM, W2IWC, W6KFV, W2RGM, K2TXC, K2UYG, WB2MFX, WAZRAU) KZ5AF 672,105 1598 64 121 (K25AF, K25AZ, W5FNB) K6EVR 411,312 581 93 171 (K6EVR, K6IIC, K6YRA, W6GFE) W5KFT 328,263 491 83 164 (W5KFT, W5FYX, K6LSG) W8NG0 200,990 372 66 133 (W8NG0, W8CLR, K8LSG) K6SEN 170,768 320 83 125 (K6SEN, K6TSY) ASIA K7LMU/3W8 278,600 450 62 138
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