

Results, 3rd ARRL 160-Meter Contest

WA5RXT, one of the ops at W5YG.

Reported by Rick Niswander*, WA1PID

E VEN THOUGH THE 160-METER contest has passed through the "terrible twos" and is now in its "traumatic threes" the growing pains common to most growing babies and contests have not yet appeared. In fact, this "baby" is shrinking. The third annual 160-meter contest, held December 8-10, showed a drop in entries from 272 in 1971 to 248 in 1972. Conditions alone cannot be cited for this decrease. W9PNE garnered 46 sections using less than 5 watts and W7DOL/6 worked a European. Participation does not seem to be the culprit either. Over 1000 different calls were listed by entrants. Where is the problem? Is it a lack of log-mailing initiative on the part of those with smaller scores? Since no logs are required, is this contest considered more "fun" than competition with the resultant lack of enthusiasm to put your log in the mails? Probably these and many other hypotheses are, in part, correct. Next year, send in your log, large or small. If you don't want your score to be entered in the listings, just label it a check log. If we can get half as many entries as we have participants we can really have a humdinger of an entry total.

Almost without exception, the pictures submitted this year were of extremely good quality. *Asst. Communications Manager, ARRL

Eromon

The choice of which ones to pick was particularly difficult. However, if yours did not show up please try again next year.

The most prevalent comment concerned frequency usage. Some deplored the crowding of 1800-1825 kHz while 1830-1850 was practically vacant. Anyone who can operate in the lower band segment can operate from 1830-1850 kHz with slightly less power. It's a great way to get away from the QRM on the bottom end. The other frequency usage comment concerned the use of 1825-1830 by W/VE stations. For those of you unfamiliar with this segment it is known as the"DX Window." For many years this segment has been voluntarily "reserved" for use by DX stations so they can be heard more readily by those of us on this end. Usually the DX station transmitts from 1825-1830 and listens in the bottom 10 kHz of the band. The presence of a W/VE station between 1825 and 1830 can destroy the segment for those straining to hear a DX station. Keeping these frequencies clear not only will help others trying to work DX but it might allow you to hear some too. Awards are scheduled for a June 15 mailing.

Soapbox

Worked first European in almost 40 years of trying. G3ZEM. WOW! After that I wasn't much good the second night. - (W7DOL/6) G3ZEM was so loud (589) that I could hardly believe he was in England. Such beautiful skip! - (WØAIH) Grand

K5PFL operated up a storm at W5SZ using a Drake-Line and 3 (count 'em, three!) bobtail curtain antennas. The big antennas helped Richard snag 74 multipliers, including 3 Europeans (all G3s), and take 4th spot nationwide. This is the first time a five has broken into the Top 10.

'3 QST © ARRL

For the second year in a row K2GNC keyed his way to the NLI section leader certificate. He was aided in his quest by an excellent antenna system consisting of *two* 90 foot verticals spaced 130 feet apart and phased to squirt a big signal NE or SW. The verticals are of homebrew construction, using an irrigation pipe at the bottom and fiberglass quad arms on top. The ground system consists of over 3 *miles* of wire. Bill doesn't do too bad on the "high bands" either judging from his assortment of QSLs on the wall (how many of you have cards from the likes of MD1D, C1MG or ZD2RGY?).

show. Made 32 DX QSOs in 14 countries. Enjoyed every minute. - (W1BB) Half-DXCC now on 160 with OE5KE and OA8V as numbers 49 and 50. -(W4YWX) Many stations said they had worked me before. Turns out that W2FJ/2 was the busy one. And both of us portable! - (K2FJ/2) Worked more stations on 160 the one evening I was on for the contest than I had since I operated loop modulated phone on 160 in 1930. - (W5KL) Worked more JAs than W1, 2 and 3 combined. Heard VS6DO and OA8V but no luck. (WA6PGB) Wind chill factor here was 52 degrees below zero! At 2300 GMT I discovered my folded dipole (only antenna) was 16 feet too long. In the dark and cold the XYL and I fixed it. That's devotion. - (KØIJP) Surprised what a Ranger and a long wire will do on the top band. - (K4PJ) Both DL9KR and HB9NL were heard ¹/₂ hour before local sunrise though at the time they were in QSO with Europeans. -(W2BP) My first 160 meter contest. Great fun. - (WB4RUA) Very good conditions. Remarkably similar to last year but with better DX participation. - (W3IN) Surely a lot of signals packed into 25 kHz at times. Interesting to note the proportion of hand keys and bugs being used in comparison with Sweepstakes and CD Parties. Can't remember working so many WVa stations in a contest for years - three! (W8JWX) Just moved into new house - no antennas. Put up my loaded dipole Saturday afternoon. Center was 14 feet off ground, ends about 4 feet up. My congratulations to those who heard me. - (W4YOK) It is a great contest. Keep it like it is. - (K4FU) My first try at 160 meters. Very challenging and a lot of fun. - (K1CSJ/1)

The object being held by WA1LKU/8 (one of the ops at the multi setup of W8LT) is a kitoon. For the uninitiated a kitoon (pronounced "kite-oon" with accent on the first syllable) is a cross between a kite and a ballon. The idea was developed in the fertile mind of W8ERD (who has conjured up other schemes such as a 20 meter corner reflector for FD) in order to cope with the swirling winds around the Ohio State University stadium, home of Woody Hayes and W8LT. The inflated kitoon supported the top of a quarter-wave ground plane antenna which helped the group to a fine third place national finish.



Single Op.	Division	Multiop.
W3IN	Atlantic	WA2WLN/2
WA9MCC	Central	W9YB
WØAIH	Dakota	
W5SUS	Delta	
K8CCV	Gr. Lakes	W8LT
WA2U00	Hudson	WA2SPL
WØNFL	Midwest	
K1PBW/1	New Engl.	W1KVI/1
K7IDX	Northwestern	
WA6DKF	Pacific	
K4CIA	Roanoke	WA4DUS
NAØCVS	Rocky Mt.	WØMS
W4YWX	Southeastern	
W7DOL/6	Southwestern	W6YRA
W5SZ	West Gulf	W5YG
VE3BMV	Canadian	VE1MX

TOP TEN						
Single		Multi				
WA9MCC/9	76,923	WA2WLN/2	56,800			
W3IN	75,208	WA4DUS	43,554			
K1PBW/1	67,002	W8LT	39,650			
W5SZ	64,528	WA2SPL	38,880			
VE3BMV	60,336	W9YB	38,316			
K8CCV	58,032	W9MAF	26,790			
W9DL	56,587	WØMS	25,144			
WØAIH	54,040	WA8ZDR	24,698			
K4GSU	52,570	K8BYI	24,000			
K4CIA	51,191	W1KVI/1	23,550			



June 1973

From June 197 QST © ARRL

VE
Maritime VE1ASJ 9120-120-38- VE1MX (+VE1s EK OM 15,540-179-42 27
Ontario VE3BMV 60,336-410-72- VE3BFK 9450-135-35-22
British Columbia VE7HQ 10,496-128-41-20
U.S.A. 1
Connecticut
K1PBW/1 67,002-374-78-29 W1SG 12,046-154-38-9 K1ZND* 8192-128-32-5 WAIODX 7874-127-31-16 WIGNC* 6912-108-32-6 W1BIH 5600-100-28-9 WIQV 3618-67-27- WAIGFH 900-25-18- WIAVE7/1* 234-13-9-3
W1YNC/1 234- 13- 9- 3 W4WFL/1* 24- 4- 3- 1
Eastern Massachusetts WIPL 25,755-242-51-29 WAICTT 7232-113-32- WIAX 4050-75-27-4 WAIED 3264-68-24-7 WIBB/1 2720-38-17-14 WIDC 1156-34-17-9 Mane
K1VBL 6510-105-31-
WA1NMW 1840- 46-20-10 W1KVI/1 (K1s GAX MTJ OYB RQE WA1KVY) 23,550-225-50-
New Hampshire
W1FZ 6156-114-27- K1CSJ/1 4000- 80-25-
Rhode Island W1OP (K1HZN, opr.) 7380-123-30-15
2
Eastern New York W2LWI 15,268-169-44- W2AGQ 5016-76-33-8 K2BQO 4428-82-27-14 WA2KUL 308-14-11-2
WA2SPL (+WB2OEU) 38,880-321-60-
N.Y.CL.I. K2GNC 21,903-201-49- W2KTU 4128- 86-24-10 K2VGD 1760- 40-22- 6 Northern New Jersey
WA2UOO 28,077-285-49-20 WB2URD 26,832-272-48-32 WB2URU 14,022-171-41-28 W2AQT 13,246-179-37-17 W2HUG 12,384-172-36-13 W2CBY 6936-102-34-13 WA2HNK 2400-48-25-8 W2LQ 1380-46-15-10 W2NYU 990-33-15-12 W2CVW 960-30-16- W2MPP 336-21-8- K2LRE 240-15-8-9 Southern New Jersey
K2GAL 22,400-221-50- WA2KWB 10,360-140-37- W2BP 6600- 63-44-12 WA 2W L N / 2 (+ WA 2 S R Q WA3FFR) 56,800-400-71-
Western New York
W2UWD 19,208-196-50-35 W2QIP 11,914-161-37-14 W2FHU 8052-122-33-14 K2PKK 3950-79-25-6 K2FJ/2 1900-50-19-15

W2UKA	750- 25-15- 3
	3
Eastern W3BUR W3HUS W3AJS W3CNS W3QOR W3ADE	Pennsylvania 24,804-231-53-16 22,736-232-49-14 12,600-180-35-20 11,934-153-39-10 8844-134-33-7 8580-130-33-15
De W3GL WA3GSM	elaware 19,008-216-44-12 160- 10- 8- 1
Mary W3IN	land-D.C.
W3IVAN W3GN W3IRE WA3EIY W3FA W3AXW W3KE	75,208-443-79-30 24,158-257-47-22 23,490-261-45- 12,236-161-38-21 7656-116-33- 5304-78-34-4 2750-55-25-3 1054-31-17-
Western W3UHP W3HDH W3SN W3BZN	Pennsylvania 15,088-184-41-20 6464-101-32- 7 4686- 71-33- 7 3172- 61-26-23
	4
W4AUP	labama 660- 22-15- 3
W4BRB W7UXP/4 W4OZF	rn Florida 28,768-217-62-24 17,649-156-53-17 8772-102-43-10
W4YWX WB4RUA K4BAI W4DXI	eorgia 31,936-230-64-21 12,048-124-48-13 7416-103-36-7 3567-60-29-7
K4GSU K4FU K4QW W4YOK	entucky 52,570-368-70-18 41,478-333-62-20 24,416-215-56-13 1656-36-23-
K4CIA W4TMR K4EQA K4CAX WB4RCB	h Carolina 51,191-350-71-24 21,344-232-46-27 9398-124-37-6 4032-72-28-8 (K4s DTO JLW Is CIN PKC UOU
Те	12,284-166-37-30
K4PJ W4UD	12,300-150-40-12 3510- 65-27- 4
K4CG (WA8F W4WSF W4KFC W4ZM K4TS W4KXV W4KXV W4KMS	(irginia &GJ, opr.) 29,052-263-54-22 18,906-204-46-12 12,000-150-40- 11,160-138-40-8 10,062-129-39-15 8991-120-37-6 1368-38-18-6 K3RUQ W4s GSM
Weste WB4VUP	43,554-351-61-34 ern Florida 14,100-150-47-22 5
W5SUS W5KL	rkansas 34,036-254-67-25 7210-103-35- 4
La WA5QBO W5MPX WB5EKU	ouisiana 16,464-165-49- 8816-116-38-22 176- 11- 8- 4
Mi WA5NYG/5	ssissippi 3024- 63-24-

W5GWD	728- 26-14-15	W7IMP
W5NGJ WB5BHN W5RE	w Mexico 1512- 36-21-11 1152- 36-16- 728- 26-14-	WA7OAU W7CYH
	s DCC DYY) 5808- 88-33- hern Texas	K7IDX W1BVP/ W7IU
W5SZ (K5PF)	L, opr.) 64,528-424-74-24 klahoma	W7FSF W7FIM K7UWT
K5JVF WA5VAP K5QNM/5 (+)	11,832-116-51-20 1748- 46-19-11	
	hern Texas	K8VQP WA8JUN
W5SBX W5RTQ WA5ZNY W5YG (WA5:	46,434-321-71-28 40,120-289-68-24 14,335-151-47-10 s FTP RRL RXT)	W8OOR W8TBZ K8LJQ W8IBX WB8DSO
K5DEG (+WE	22,951-193-59-24 35CKM)	WA8ZDI
K5LZJ (+K55	22,736-196-58-26 SOR) 5032- 74-34-22	K8BYI (
	6	K8CCV K8HKB
E: K6ILG	ast Bay 14,520-165-44-23	W8DB
Los	Angeles	W8OK W8QHW/
W6DGH WB6NFO	11,836-133-44- 8 6880- 80-43-13	W8AQ W8PCS
K6YB W6DOX	3248- 56-29- 3 3248- 58-28- 3	W8FAZ W8VZE
WA6MBP WA6FIB	2756- 53-26-12 2156- 49-22- 7	W8VZE W8LT (W CLF DE/
W6AM W6YRA (WA	690- 23-15- 6DPQ WA7DAC) 18,048-179-48-19	WA8YW
)range	WB8APH
WA6TST (WA6CMZ)	W6s FRW GXZ	K8OQL W8JWX
Sant	16,900-169-50-21 a Barbara	
W7DOL/6 W6JEO	28,670-220-61-32 1024- 32-16- 7	W9DL
Santa WA6DKF	Clara Valley 31,806-249-62-25	W9YYG W9ABA
WA6PGB W6GWQ	22,248-197-54- 9204-118-39-10	W9MTT WB9DW
Sa	n Diego	W9PNE WB9BM
K6NY San	3692- 71-26-18 Francisco	WB9GYJ W9HVP
W6NUT W6IPL	19,922-121-43- 1400- 35-20- aquin Valley	W9REC W9MAF
W6MUV	3600- 60-30-13	W9BRN
Sacran W6ZGM	nento Valley 9324-111-42-14	WA9AU W9SFR
W6NKR WA5KUD/6	5184-72-36- 1024-32-16-5	W9UC W9YB
, i	Hawaii	WA5BRI
KH6CHC KH6IJ	4521- 67-33- 2523- 39-29-	WA9MC
	7	WB9AVI K9OXY K9REE
W7IUV	Arizona 19,470-177-55-16	
K7NEQ W7YS	15,620-142-55-17 4060- 70-29- 7	
W7HZL	Idaho 9990-111-45-24	WAØCVS WØMS (†
W7LR	lontana 5390- 77-35- 6 952- 28-17-	
W7MKB	952- 28-17- Nevada	WØNFL WAØTVI WAØVDI
W7ABX	5040- 90-28-15	WØII KØPUB
WA7RTA	Dregon 16,218-159-51-20	WØRFT

MP	84- 7-6-2						
1	Utah						
70AU	6536-86-38-11						
CYH	5640- 94-30- 9						
Washington							
DX	18,036-164-54-28						
BVP/7	7488-104-36-8						
U	5760- 96-30-14						
FSF	1892- 43-22- 5						
FIM	990- 33-15- 8						
JWT	6- 3-1-1						
	8						
Мі	chigan						
/OP	32,034-281-57-						
8JUN	30,683-247-61-15						
DOR	16,380-182-45-22						
ГBZ	16.128-168-48-19						
JQ	12,560-157-40-27						
BX	8214-111-37-8						
BDSG	2156- 49-22- 6						
8ZDR (+W	A8SJX) 24,698-233-53-						
YI (WSK	AZ WA8WCZ)						
	24,000-240-50-22						
24,000-240-30-22 Ohio							
CCV	58,032-394-72-30						
IKB	46,308-333-68-35						
OB	43.996-322-68-19						
OK	31.992-258-62-14						
QHW/8	20,384-179-56-						
AQ PCS	8736-112-39-9						
FAZ	4672-73-32-5						
ZE	2256- 47-24- 6 1020- 30-17- 4						
	KU W8ERD WB8s						
F DEA)	LC NOLKD WD05						
	39.650-325-61-40						

9,650-325-61 YWX (+W8IDM) 20,000-200-50-16 West Virginia

	11031	virginia
B8APH		18,228-186-49-12
80QL		8896-139-32-10
8JWX		5974-103-29-8

9

	Illinois
/9DL	56,587-394-71-22
/9YYG	39,468-293-66-26
/9ABA	19,200-192-50-17
/9MTT	13,254-141-47-12
/B9DWG	13,104-156-42-17
/9PNE	13,064-142-46-16
/В9ВМҮ	12,080-151-40-14
/B9GYJ	5280- 88-30-15
/9HVP	2024- 44-23-
/9REC	288-16-9-3
/9MAF (+V	
	26,790-235-57-28

Indiana

ARN 32,940-270-61-21 9AUM 18,666-183-51-5FR 7040- 88-40-13 JC 1564- 34-23-7 YB (WA2TGL WB2RKK 5BRB WB6DVR WA9VYJ) 38,316-309-62-

Wisconsin

WA9MCC/9	76,923-489-77-24
WB9AVN	18,860-205-46-25
к90ХҮ	9506- 97-50-
K9REE	8288-112-37-11

0

Colorado VCVS 40,950-312-65-22 AS (+WBØCMM) 25,144-223-56-Iowa 37,310-284-65-29 22,464-208-54-29 16,000-160-50-7 9976-116-43-7 7776-108-36-12 6864-104-33-15 IFL TVD VDX

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WA2WLN shown operating multiop WA2WLN/2 at the US Coast Guard EE Center in SNJ. The large grey box behind the Drake-Line is a LORAN-A transmitter that puts out 160 KW pulses. Behind the oscilloscope is an amplifier capable of one megawatt pulse power. The LORAN gear was not in use at the time of the contest (I suppose interferance problem could have arisen). Doug was assisted by WA2SRQ and WA3FFR in racking up the highest multioperator score in the contest. Their antenna was a beach-mounted quarter-wave vertical (used for testing the LORAN equipment) with 120 radials, each 150 feet long. By the way, LORAN gear cannot be used on cw.

	Kansas		lebraska	
	Kansas	r.		
WØPSF	27,120-226-60-22	WBØDHR	8362-113-37-16	
KØKU (WB	FGV. opr.)			
	19,344-186-52-9	No	rth Dakota	3.82
WØODT	12.500-125-50-22	WØSDN	8446-103-41-6	100
WØFCL	2808- 54-26- 8	1100011	011010010	
· .	linnesota	Sou	ith Dakota	
		WAIT	1560- 39-20- 3	
WØAIH	54,040-383-70-21	WØIT	1360- 39-20- 3	
W2TA/Ø	32,116-259-62-20		on stat	
KØIJP	18,706-199-47-	F	OREIGN	
WØHW	13,104-156-42-8			HB
WØYCR	6392- 94-34-		Cuba	
WØRHI	5632- 88-32-	CO2QR	70- 7- 5-	
WØBHA	5184- 81-32-12			JA
WØIH	4964-73-34-7		Bolivia	JA
wpin	4904-75-54-7	CP1EU	32- 4- 4-	JA
	Missouri	CITEO		
WØOFX	26.040-210-62-		Ireland	
WØRV	960- 30-16- 4	EI9J	660- 22-15-	OA



18.706-199-47-		FOREIGN		Switzerland			Austria	
13,104-156-42-8		~ .	HB9NI	112-	8-7-	OE5KE	56-	7-4-6
6392- 94-34- 5632- 88-32-	CO2OR	Cuba 70- 7-	5-	Japan		Czec	hoslovakia	
5184- 81-32-12	CO2QK	Bolivia	JA7MJ JA0DA		9- 7- 7- 6-	OK1ATP OL1AOH	216- 120-	
4964- 73-34- 7	CP1EU	32- 4-			3- 3-	OK1MCW		2- 2-
lissouri 26,040-210-62-		Ireland		Peru			neck Log	
960- 30-16- 4	EI9J	660- 22-	15- OA8V	1584-	36-22-	· · ·	VE7XN	QST