

Results, Eleventh Annual ARRL 160-Meter Contest

By Bill Jennings,* K1WJ and Tom Frenaye,** K1KI

The statistics obtained from the entries received for the December 5-7, 1980 11th Annual ARRL 160-Meter Contest are probably more indicative of the nature of Top Band and Top Band operators than of the nature of the contest itself. Can this statement be made about any other Amateur Radio contest? We think not.

In the 393 entries received after the contest, there were easily five times that number of different call signs found as contest QSOs in the logs. In the K3LR log alone, there were over 800 different calls worked during the contest, better than twice the number of official entries. It appears that the 160-meter "regulars" are more than willing to lend a hand to the contestants by providing contest QSOs. Would you expect less from the operators on the "Gentleman's Band"?

In view of the type of operators usually found on Top Band and the characteristics of the band itself, one comes to realize how easily a newcomer can succumb to the casual and friendly operating conditions and become a 160-meter "regular." Thus to the 160-meter ops the 42-hour incursion by contestants to Top Band is seen not as a nuisance to be endured, but rather as a way to introduce some "first-timers" to the lure of 160 meters.

The 1980 contest saw a slight (3%) increase in entries from the 1979 total of 382. The average score of the top-ten single-operator stations showed a corresponding 8.2% increase to 109,572 points per entry — higher than the same group in the 1979 contest. Multioperator stations (top five) did not fare so well, with a drop to an average 99,557 points per entry compared to a 1979 average of 108,122 points per entry. Pause for a short recognition of perennial top scorers. Again in the Top Ten are single-operator stations W9ZR, KØRF (WØUA), WØAIH and K4FU, all of whom held slots on both the 1979 and 1980 Top Ten list. Multioperator stations W8LT and W8JI are

Top Ten

Single Operator		Multioperator	
K3LR	127,296	W8LRL	122,320
K5GO	124,278	W8LT	97,966
W9ZR	122,928	W8JI	95,706
KØRF (WØUA)	110,250	KB8AC	93,365
W1ZM	107,200	WBØCMM	88,430
WØAIH/9	104,489		
W9RE	103,575		
K2IGW	99,864		
K4FU	98,800		
N5AN	97,040		

"repeaters to the Top Five" for multiops, while W8LRL, who was the top single operator in the 1979 contest, grabbed K3EST for a partner and turned in the top multioperator score in the 1980 contest.

The biggest (*only*) complaint — USA/VE types transmitting in the "DX Window" (1825 to 1830 kHz). True, things are looking better for more allocation and elimination of certain power restrictions on 160; the whole complexion of the band might change including the "window." But even though the "DX Window" is not a hard-and-fast rule or regulation, let's try to abide by this traditional "gentleman's agreement" just to keep in step with those sharing the band. We don't need the bickering and ill will caused by intrusion into the "window."

A quick note on calculating your score. There are two points awarded for QSOs with stations in an ARRL Section. Any station on US/VE territory (most stations with W/N/A/K/VE prefixes) is included within an ARRL Section. For example, KV4 is in the West Indies Section and is a two-point QSO not a five-point DX QSO. KH2 stations are in the Pacific Section, and are also two- (not five) point QSOs. OK? Multipliers are ARRL sec-



Virginia's own WB4URW, first in his section and top single-operator score in the Roanoke Division.

Division Leaders

Single Op	Division	Multiop
K3LR	Atlantic	K3WW
W9ZR	Central	K9ZUH
WØJX	Dakota	KØTG
K5GO	Delta	—
K4FU	Great Lakes	W8LT
W2VC	Hudson	—
NØDX	Midwest	—
W1ZM	New England	W1FC
W6RR/7	Northwestern	W7WA
N6RO	Pacific	—
WB4URW	Roanoke	W8LRL
KØRF	Rocky Mountain	WBØCMM
A18H/4	Southeastern	—
K6SE	Southwestern	K6DDO
K5RC	West Gulf	KK5I
VE3ABG	Canadian	—
C6AEP	DX	JH1YDT

tions (plus VE8/VY1) and DXCC countries. Maritime mobile stations do not meet DXCC criteria and thus cannot be counted as an additional country multiplier. Score adjustments based on the above points were made in more than a few logs, and those adjusted scores are reflected in the score listings.

SOAPBOX

It was like Field Day in December, only better. The generator and rig didn't overheat, no mosquitoes, no sunburn and drinks stayed cold. The only drawback was that it was kind of difficult using the key with our mittens on (W1OP/K1DT). Never operated on 160 before. I was really impressed with the level of activity and the courtesy displayed by the operators (K8AQM). Have been in each and every ARRL 160 Meter Contest. Conditions spotty here — only two W6s heard and very few Europeans heard as well (W3AJS). A lot of people have asked for information on the weird antenna that I use on 80 and 160. It is a Collins Radio 237W-1X Discage. It carries a pricetag of \$33,000 — so everyone should have one. Of course, it takes over an acre of land for the antenna and radial system. By the way, I bought it surplus for \$48. In

fact, I bought six of them. No, I am not interested in selling any of them! (N7DF) . . . my body cannot handle the nocturnal hours needed to participate in this contest (WØVB). Since the 1978 contest I have used a 45 foot high A-frame mast with 9 foot long fiberglass pole extension to support the vertical section of my twin lead Marconi antenna. The mast was made of 2 x 3 stock and there was a definite lack of wind survival at this location. In fact, since 1978, five such masts have failed to survive the first windstorm after erection. The latest mast was built one week before the contest out of 2 x 4 stock and it has since survived a five-day wind storm which brought gust of 81 mph . . . The single-turn outdoor loop, the 4T-ES loop indoors and the W1FB "Quickie" preamp proved to be an effective receiving combination for almost all situations; the indoor loop proved its worth during periods of strong local noise that rendered the outdoor loop ineffective. Despite the success of this receiving system, two QSLs were received after the contest from stations *not* worked, indicating that improvement of the system is needed (W7XZ). It's not fair to some of the

Pacific DX stations to be classified the same as KH6 in the Pacific Section. Ditto for countries in the West Indies Section (VE5XU). Would it be feasible to move the DX window to 1975 to 2000 kHz? Too many W/VE types pay no heed to the window (W4NVN).

FEEDBACK

Please refer to pages 88 to 91 in April 1980 QST for the following corrections to the 1979 160-Meter Contest.

K2IGW should have been listed as the multioperator winner from the Atlantic Division. In the East Bay Section, WA6EUZ (2nd place) listed as a single-operator station, was in reality a multiop effort at the same score. The second operator was WB6OVV. This would make WA6EUZ the multioperator Pacific Division Leader. In Ohio at 9292 points is AJ8J. Walt's score should be adjusted upward to 18,696 points and an 11th-place finish in Ohio.

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Scores

Score listings indicate call sign, score, QSOs, multipliers, hours. Example: CO2KK 140-10-7-3 indicates 10 QSOs and seven multipliers for 140 points during three hours of operation.

DX	W2GP 4374- 81-27- WB2DLA 1088- 32-17- 5	Northern New Jersey	W4XD 22,644-219-51- 9 KX4V 18,615-176-52- 8 W4DM 14,400-157-45- 8 W4YE 14,241-150-47- 4 AA4M 12,986-148-43- 4 K4OD 12,654-124-51- 9 N4MM 12,150-117-50- 3 K4GW 10,472-116-44- 4 K4VH 9,360-114-40- 4 N4R4 7,714-126-31- 4 W4KFC 7,114-100-38- 4 W4ZC 7,400-100-37- 4 W4WVW 4,557- 72-31-13 WD4GCE 1,764- 45-18- 4 K4JSI 1,664- 32-26- 4	WA9WAC/6 1536- 48-16- W6SX 24- 4- 3- 1	Pacific	KH6CC 44,135-317-65- KH6ND 8106- 89-42-16	Indiana	W9RE 103,575-686-75-28 K9CLO 104,489-668-77-18 N9GT 48,100-364-65-17 WB9JKO 38,019-332-57-16 W9JOO 35,728-305-58- W9VVP 33,475-253-65-11 WB9WQV 5,280- 80-33-13 AG9S 5082- 77-33- 8 W9LT 4719- 70-33- 2 N9KB 1960- 49-20- 5 K9ZUH(+WB9PXR) 58,370-443-65-23
Bahamas	C6AEP(W0CP,opr) 32,184-298-54-14	Southern New Jersey	W2EH 21,900-216-50-13 K2BWR 16,907-155-53- W2ZQ(WB2IQV,N3BDD,opr) 2530- 55-23- 5	Arizona	W7F7DQ 40,572-313-63- AA7A 36,113-259-67-12	Wisconsin	W9ZR 122,928-779-78- W9AIH/9 61,111-397-58-25 W9WQ 22,589-229-49-15 N9AUG 19,822-187-53-18 W9UP 6,665- 76-43-12 N9KS 301- 15-10- 2 K9GDF 80- 8- 5- 1 N9AW(+WA9TZE,W9D9UR) 40,858-328-62-26 K9ODK(K9S EN Z7,K9S EN Z7,opr) 38,346-289-65-15	
Federal Republic of Germany	DJ4AX 216- 12- 9- 1	Western New York	K2IGW 99,864-686-72-20 KB2I 18,400-200-46-14 WA2IKO 16,032-164-48-13 W3AJS 13,760-172-40-11 WA2QKF 11,248-152-37-18 WB2FB 4408- 76-29-10 WA2EYA 2730- 51-26- 5	Arkansas	K5GO 124,278-798-77-28 W5KL 8712-121-36- 3	Colorado	W9ZR 122,928-779-78- W9AIH/9 61,111-397-58-25 W9WQ 22,589-229-49-15 N9AUG 19,822-187-53-18 W9UP 6,665- 76-43-12 N9KS 301- 15-10- 2 K9GDF 80- 8- 5- 1 N9AW(+WA9TZE,W9D9UR) 40,858-328-62-26 K9ODK(K9S EN Z7,K9S EN Z7,opr) 38,346-289-65-15	
Republic of Ireland	EI9J 8- 2- 2- 1	Delaware	N3ND 54,250-433-62-30 N8NA/3 736- 23-16- 1	Louisiana	N5AN 97,040-595-80-22 K5KLA 27,931-289-53- K5CG 3120- 69-26- 4	Idaho	N7SU 26,042-223-58-25 KA7BTQ 24,528-219-56-22 KB7N 11,890-145-41-20 W7IUW 3752- 67-28- 7	
France	F6BWO 8- 2- 2- 1	Eastern Pennsylvania	K3UEI 67,947-465-71- W3BUR 48,620-439-55-23 W3AJS 24,941-253-49-24 K3QGF 20,724-234-44- W3T5 16,748-155-53- 5 WB3FAA 16,497-210-39-17 W3ALK 10,236-143-35-14 WA3YON 6,656- 04-36- 4 W3ADE 5452- 94-29- 9 WB3KXP 4266- 79-27- 7 W3A 2704-12-26- 2 K3VW 1909- 40-23- 2 K3SWZ 330- 15-11- 1 K3VW(+K3GJ) 78,256-512-73- Maryland - D.C.	Mississippi	WA0DXZ/5 23,406-246-47- N5XA 20,142-182-54-13 A5H 7881-105-37- 7 W5GWD 2688- 56-24-20	Montana	K0PP/7 52,080-369-70-26 W7HAH 18,200-175-51-23 W7BMI 3900- 78-25- 5	
Haiti	HH2VP 13,464-153-44-	New Mexico	K5TA 17,850-172-51- 4 WA5YTX 13,260-127-51- 4 W5DO 5010- 73-30- 4	New Mexico	K5TA 17,850-172-51- 4 WA5YTX 13,260-127-51- 4 W5DO 5010- 73-30- 4	Nevada	W7XZ 46,995-342-65-31 W7ABX 2300- 50-23- 4	
Panama	HP1XAT 180- 10- 9- 1	Northern Texas	K5IU 66,357-444-73-24 N5JB 60,902-404-74-26 K5NV 43,494-325-66-14 K5NU 43,456-335-64- 7 WB5AZI 24,644-199-61-19 AA5C 17,400-174-50- W5QF 14,805-156-47-12 W5FX 11,655-128-45-16 W5GDX 784- 106-31-13 K5IS 3540- 59-30- 4 N5ZR 20- 5- 2- 1	Nevada	W7XZ 46,995-342-65-31 W7ABX 2300- 50-23- 4	Oregon	K5MM/7 55,744-377-67-18 W7NCG 45,474-310-66-29 W7ULC 26,320-226-56- W7CB 20,139-204-49-11 A17B 14,448-168-43- 4 W7TC 18-28-28-28 W7LT 2660- 70-19-11	
Japan	JA3ONB 2646- 63-21- JE1SPY 484- 22-11- JH1YDT(+JA0VSH,JE1QMV, JF1s DMQ EAL,JH1GNU, JK1CQG) 1512- 42-18- 6 JA7YAA(JH7LIS,JR7s OMD SEI,opr) 324- 18- 9-	Ohio	K5IU 66,357-444-73-24 N5JB 60,902-404-74-26 K5NV 43,494-325-66-14 K5NU 43,456-335-64- 7 WB5AZI 24,644-199-61-19 AA5C 17,400-174-50- W5QF 14,805-156-47-12 W5FX 11,655-128-45-16 W5GDX 784- 106-31-13 K5IS 3540- 59-30- 4 N5ZR 20- 5- 2- 1	Utah	N7DF 77,688-535-72-28	Utah	W6RR/7 79,236-510-71-19 N7AN 45,474-310-66-29 W7GCI 39,065-269-65-30 WA7OFH 29,480-205-67-19 W7BYK 7359-110-33-15 W4BDC 6840- 92-36- 9 W7ERH 4266- 75-29- 9 K7XX 4088- 73-28- 5 K7IDX 2912- 44-32- 5 W7R7MQ 1170- 39-15- 5 AA7W 256- 16- 8- 1 W7DRA 526- 16- 8- 1 W7WA(+KC7I)43,745-323-65-20	
Czechoslovakia	OK1DIJ 264- 12-11- 1 OK3CXF 216- 12- 9- 3 OK1JDX 98- 7- 7- 1	Oklahoma	KM5H 37,115-281-65-15 N5IN/5 7828-103-38- 3 KKS1(+K5JZN,N5s CG MF, W5KI) 73,438-494-73-31	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
Hq, United Nations	4U1UN(N2KW,opr) 14,432-176-41- 8	South Texas	K5RC(K5GN,opr) 29,160-437-76- K5MA 24,136-211-56- 8 N5DU 21,850-217-50- N5JJ 11,139-117-47- 7 W5NTJ(+WA5IE)X 25,172-214-58- N5EM(+WA4EW,K5s HGB ZC WD5BDX) 18,847-199-47- K5DL(+WN5T) 12,936-154-42-22 W5A(WB5WOH,WD5BIK,opr) 5400- 75-36-	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
Dominica	J73D 240- 12-10- 1	West Texas	K5IU 66,357-444-73-24 N5JB 60,902-404-74-26 K5NV 43,494-325-66-14 K5NU 43,456-335-64- 7 WB5AZI 24,644-199-61-19 AA5C 17,400-174-50- W5QF 14,805-156-47-12 W5FX 11,655-128-45-16 W5GDX 784- 106-31-13 K5IS 3540- 59-30- 4 N5ZR 20- 5- 2- 1	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
Region 2	K3SXA/MM 8888-101-44-10	West Virginia	K8OQL 48,298-382-62-21 K8UC 32,205-281-57- 9 W8JWX 8066-109-37- 6 W8LRL(+K3EST) 122,320-742-80-42	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
W/VE	1	West Virginia	K8OQL 48,298-382-62-21 K8UC 32,205-281-57- 9 W8JWX 8066-109-37- 6 W8LRL(+K3EST) 122,320-742-80-42	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
Connecticut	W1ZM 107,200-631-80-37 AA1K 73,010-502-70-34 W1WEF 44,820-369-60-20 W1BH 34,664-305-56-11 WB1GCM 29,680-277-53-30 N1JW 23,226-257-49-10 K1DW 11,448-159-36- 8 K1LGM 10,620-146-35- 5 WA1CCR 10,185-144-35- 5 AK1B 6138- 99-31- 6 N1CC 3304- 59-28- 1 AA2Z/1 3304- 59-28- 1 W1QV 2116- 46-23- 3 WB1EY 1380- 33-20- 3 WA1HYN 672- 24-14- 2	Alabama	N6RO 74,479-484-71- K6H1H 34,810-286-58-18 AD6D 14,628-156-46-18 WB6ZEP 2546- 67-19- 8	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
Eastern Massachusetts	WA1UZH 33,046-256-62- W1AQE 12,246-157-39- W1JR 9694-128-37- 6 K1VY 7350-105-35- 4 K1MEM 5928- 69-38- 3 W1AXA 2592- 54-24- 5 K1FWF 1121- 28-19- 3 W1BB 112- 8- 7- 2 W1FC(+N1RC,ADB) 55,744-401-67-29 AB1A(+K8UR) 19,800-222-44-14	Georgia	A18H/4 55,656-379-72-36 K4UEE 46,296-314-72-18 N4UZ 10,320-129-40- WD4NAE 1617- 37-21- N4PB 512- 16-16- 2 K4BAI 180- 10- 9- 1	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
Maine	K2QE/1 19,228-203-46-19 K1NBN 11,951-160-37-13 WB1GEE(+N1AD) 570- 19-15- 3	Kentucky	K4FU 98,800-641-76-27 W4YOK 29,588-283-52-11 WB4ASW(+WB4HNN) 66,365-509-65-30	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
New Hampshire	WA1TZV 27,768-261-52- W1FZ 9720-135-36-	North Carolina	K4UWH 30,141-291-51-17 W4N 8132-104-38- AA4NC 7600- 89-40- W4OMW 5984- 85-34- K4JO 1775- 37-24- W4AMC(W4OMW,opr) 928- 26-16- 2	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
Rhode Island	N1R H(+N1XW,W1OH,KA1s AIR BBY EHR,WB1s DEZ DXQ EHO) 52,130-383-65-29 W1OP(K1s DT GDS,W1GS, WA1NZR,WB1CV,opr) 49,476-390-62-22	South Carolina	K4CNW 55,616-427-64-24 N4TJ 49,436-356-67-26	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
Vermont	WB1GQR 52,980-434-60-26 K1IK 38,304-333-57-11	Southern Florida	N4IN 60,724-380-76-25 W4PZV 13,287-150-43-24 WB4QSN 11,891-122-47- W4MLA 6405- 87-35-12	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
Western Massachusetts	WB1HH 34,202-346-49-24 K1KNQ 3024- 56-27- 2 W1UPH 750- 25-15- 8	Tennessee	K4PJ 29,583-258-57-20 N4F 16,258-183-20-24 W4ZJY 11,718-124-44- K4ON 9956-131-38-	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
Eastern New York	K2GBH 32,383-301-53-10 WB 10,360-128-40- 3 K5NA/2 8050-115-35- 3 K2MN 7178- 97-37- 6 W2DM 6435- 78-39- 3 WB2PUH 6028- 56-27- 6	Virginia	WB4URW 83,398-559-74-28 K4PCL 74,162-528-24-24 N4UU 36,993-309-59- W4DHZ 33,360-272-60-23 W4NVN 26,624-256-52-30	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			
New York - Long Island	W2KTU 12,635-179-35-22 N6AA/2 7310-106-34- 5	West Virginia	K8OQL 48,298-382-62-21 K8UC 32,205-281-57- 9 W8JWX 8066-109-37- 6 W8LRL(+K3EST) 122,320-742-80-42	Alaska	KL7HBK 11,696-130-43-17 KL7GIH 3266- 71-23- 7 WB4WXE/KL7(+WB4YLR) 24- 4- 3- 1			