Results, 13th Annual ARRL 160-Meter Contest

By Mark J. Wilson,* AA2Z and Bill Jennings,** K1WJ

Heavy static . . . lots of QRN . . . local thunderstorms . . . poor conditions . . . rough going. Top Band contesters used these words and others to describe the most recent ARRL 160-Meter Contest, held December 3-5. From what we read on the logs, good ol' Murphy left his mark just about everywhere in the country.

But did Murphy succeed in his efforts to dampen the enthusiasm of the 342 official contest entrants? Nosireebob! Top Banders are a dedicated lot, and it takes more than a little S9-plus-20-dB noise to make them shut their radios down and turn to some other endeavor.

Actually, by most accounts, the first night of the contest was truly the pits. Torrential rains, unseasonably warm weather and widespread thunderstorms conspired to make life on 160 a tad unpleasant. East Coast stations complained of being barely able to hear the WØs, while West Coast stations wondered if there was life east of the Mississippi. Not a pretty picture.

But the second night was a different story. Things returned to quasi-normal, and the band was once again open coast to coast. There was even DX to work. N7DF at ABØI tells of JAs peaking as high as 30 dB over S9, while F8VJ and DL1YD worked stations as far west as Ohio. Certainly not the best of conditions, but not the worst, either.

Scores reflect the less-than-spectacular conditions. AD8I, this year's top-scoring single op, was the only one who would have even made last year's Top Ten. The other top single ops all posted fine scores as well. Among the multiops, the Ohio State University crew at W8LT won yet again. It's interesting to look through the results of past 160 contests and note that the same call signs appear in the Top Ten boxes year after year.

Certificates will be in the mail around April 15. The next ARRL 160-Meter Contest is scheduled for the weekend of December 3-4, 1983. Perhaps Murphy will stay home!

*Assistant Communications Manager, ARRL
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Top Ten

Single Operator		*Multioperator*	
AD8I	116,584	W8LT	105,228
N4AR	104,616	WA9EYY	96,631
W1ZM (K1ZM)	101,743	W8MNL	81,315
WA2SPL	89,250	W9AZ	78,729
VE3BVD	88,660	KK5I	75,312
ABØI (N7DF)	83,567	WØAIH	73,994
WØEJ	82,076	KC8KQ	71,064
K8US	81,606	W7FG	70,380
W9UP (N9CIQ)	80,957	K8MJZ	67,136
W3GM	80,860	W3VPR	63,623

Division Leaders

Single Op	*Division*	*Multiop*
VE3BVD	Canadian	VE3BGA/2
W3GM	Atlantic	W3VPR
W9UP	Central	WA9EYY
KØPK	Dakota	WAØIDK
KK5K	Delta	—
AD8I	Great Lakes	W8LT
WA2SPL	Hudson	—
ABØI	Midwest	WØYBV
W1ZM	New England	K1TZQ
W7EJ	Northwestern	K7IDX
K6MO/6	Pacific	K6RN
N4SU	Roanoke	W3ESU/4
KVØQ	Rocky Mountain	KI7W
KV4FZ	Southeastern	—
K7OX	Southwestern	W6RW
N5JB	West Gulf	KK5I
V3MS	DX	JH1YDT

Antennas Used By Top Stations

Single Op	*Antenna(s)*
AD8I	Half Sloper and Beverages
N4AR	Phased verticals
W1ZM	Inverted-V
WA2SPL	Inverted-V @ 180 feet and 3 Beverages (1100-3300 feet)
VE3BVD	Inverted-V @ 130 feet
Multiop	*Antenna(s)*
W8LT	35-foot vertical and 5 Beverages (500-1500 feet)
WA9EYY	Inverted L and Inverted-V
W8MNL	Inverted-V
W9AZ	260-foot vertical
KK5I	130-foot vertical, Beverages and loops

W7FG (left) and KM5H and W5LFS were part of the W7FG multiop crew, one of the two big Oklahoma multiops active this year. *(WB5KFP photo)*

SOAPBOX

I want to apologize to the many stations who failed to work me; my rotor stuck with my beam pointed straight up (KT5X). Due to the short power cord, station clock was about 150° counterclockwise from operating position. Next year will replace neck brace with sophisticated mirror system, or maybe another clock (K3FD). Blew the cw filter sometime before the test and didn't find it 'til early Sunday morning. The 30-dB loss in the receiver was thought to be poor condx. I'll make you a bet we don't spot everyone 30 dB next year! (KK5I). Where did everyone go? Thought the rig, antenna and operator all needed alignment until I heard another nearby operator ask the same question. I'll be looking forward to next year's contest. Hope Mother Nature doesn't pull the rug out from under the band (W6JEO). A disappointment: less QSOs and sections than last year. I thought I had everything under control this time: better ground, more radials, an open-wire feeder to a higher antenna, a new rig with excellent cw filters, even a new shack, a new console and an FB chair! Everything but QSOs. . . Back to the drawing board (VE2MJ). Had 6 inches of rain and the worst thunderstorm in the history of the weather bureau. On the plus side, I met many old friends who slowed to say hello. My 11th straight 160-Meter test (W5GWD). Wow! QRN was awesome — 20 over the first night and pegging my meter the second. When I turned off the agc, the crashes sounded like cannons exploding in my head. It was a bit embarrassing to ask for repeats when signals were over S9 (V3MS).

FEEDBACK

Please refer to April 1982 *QST*, page 78, for the following corrections to the results of the 1981 ARRL 160-Meter Contest. We found these logs mixed in with the logs from the 10-Meter Contest: In Northern New Jersey, add W2RQ 17,136-204-42-6; in Michigan, add W8GBR 10,984-126-42-11. The U.S. Postal Service apparently lost the following multiop entry from Ohio: KB8AC (+KA8HFO, WA8EUK, WB8YJF, WD8LLR) 99,638-645-77-26. In Washington, KG7A should have been listed as a multiop with KO7G, making them the top Northwestern Division multiop. The single-op winner from Utah should have been N7DF; W7GXC's entry was from the November Sweepstakes.

Scores

Scores list call sign, final score, total QSOs, total multipliers and hours operated. Example: DL1YD's score is 360 points, with 15 QSOs and 12 multipliers. He operated for one hour.

DX

FEDERAL REPUBLIC OF GERMANY

DL1YD 360- 15-12- 1

FRANCE

F8VJ 84- 7- 6- 2

JAPAN

JA7YCQ (JHØCZQ, opr.) 198- 11- 9- 3

JE1SPY 112- 8- 7- 8
JA5DQH 40- 5- 4- 1
JA2YKA (JA9SSY, opr.) 8- 2- 2- 1

JH1YDT (JAØVSH, JE6s CEK, HIC, JF3HBS, JH4UTP, JHØHNI, JK1s CQG, DLQ, FLU, oprs.) 216- 12- 9- 3

JA9YBA (JA9s LJI, LNJ, OTX, JHØCAZ, oprs.) 108- 9- 6- 2

BELIZE

V3MS (WØCP, opr.) 20,670-195-53-13

VENEZUELA

YV1OB 2254- 49-23- 6
YV2IF 1140- 30-19-42
YV3BRF (K1CC, opr.) 264- 12-11- 1

W/VE

1

CONNECTICUT

W1ZM (K1ZM, opr.) 101,743-694-71-35
N1CC 25,965-287-45-12

W1XX 14,035-199-35- 8
W1B1H 10,880-160-34-42
W1WEF 8588-113-38- 2
AA2Z 6180-100-30- 2
W1SG 5800-100-29- 7
W1QV 3072- 64-24- 4
K1KI 2704- 52-26-42
WA1FCN 2496- 52-24-42
KM1G 1692- 47-18- 2

EASTERN MASSACHUSETTS

W1AX 9766-127-38- 5
W1AQE 8246-133-31-42
K1VV 6864-132-26- 5
KA1GHR 6800-100-34-42
K1FWF 3976- 71-28- 4

W1MX (N2ME, opr.) 3366- 75-22-42
K1VUT 2596- 59-22- 2
KE1U 702- 27-13- 2
AE1P (+WB1FLA) 17,220-210-41-24

MAINE

K1NBN 7740-129-30- 6

NEW HAMPSHIRE

WA1TZV 40,150-365-55-42
N1ACH 11,210-146-38- 7

N1BEY 80- 8- 5- 1

RHODE ISLAND

K1TZQ (+WA1ABI) 56,050-466-59-20
W1OP (K1DT, N1s ACV, AKO, BBM, WA1s NZR, RKL, TAQ, WB1CVV, oprs.) 38,563-389-49-14
N1RI (+KA1s AIR, EHR, N1s BVY, CED, XW, WB1s DEZ, DXQ) 25,334-261-48-42

VERMONT

WB1GQR (WB2JSJ, opr.) 54,208-481-56-19
K1IK 27,278-295-46-10
WB1GMH 11,808-328-36-19

WESTERN MASSACHUSETTS

W1JP 2714- 59-23-42

2

EASTERN NEW YORK

WA2SPL 89,250-621-70-42
K2GBH 16,412-185-44- 5
KM2Q 12,456-173-36- 8
K2MN 10,780-154-35-10
W2DW 9660-138-35- 6
N2JJ 7920-132-30- 5
WB2PUH 6144- 96-32- 9
W2KHQ 4512- 94-24-17

N.Y.C. & LONG ISLAND

W2KTU 13,572-187-36-13
W2GKZ 9660-138-35-42
W2GP 6588-122-27-42
N6AA/2 3648- 76-24- 4
WB2DLA 3000- 75-20-16

NORTHERN NEW JERSEY

WA2SRQ 62,580-511-60-18
KR2Q 48,450-419-57-42
W2RQ 17,052-203-42- 4
K2DM 16,206-219-37-42

SOUTHERN NEW JERSEY

AE2L 6944-112-31-42
K2FL 6784-106-32-42

WESTERN NEW YORK

K2IGW 54,120-451-60-18
W2MTA 10,268-151-34- 7
KK2B 4368- 84-26- 6
WA2LEZ 800- 25-16-42
K2QR 728- 28-13-42

3

DELAWARE

AA1K 79,356-583-68-32

EASTERN PENNSYLVANIA

W3GM 80,860-614-65-42
W3TS 49,973-422-59-22
W3BUR 32,400-324-50-18
W3AJS 19,272-219-44-42
WA3YON 17,835-216-41-13
WB3FAA 17,328-228-38-14
N3CXB 16,128-224-36-13
W3CMS 14,200-176-40-12
K3OQF 14,130-157-45-10
W3AP 12,300-150-41- 4
WA3KEY 6479-103-31- 4
K4JLD/3 3968- 64-31-42
N3KZ (KH6CP, opr.) 480- 20-12- 2
WB3CAC (+K3WGR, W3UM) 20,496-244-42-13
K3YTL (AD3L, KB3JK, WB3CAI, oprs.) 18,880-236-40-13
WB3FYT (+WB3FKQ) 10,570-151-35-11

MARYLAND — D.C.

K3ZZ 66,002-532-61-30
K2ITG 30,723-309-49-10
K3SA 23,520-242-48-10
W3ICM 12,432-168-37- 6
K3NSS (KA9X, opr.) 2- 1- 1- 1
W3VPR (AE3D, N3s AKP, FN, VP2EEE, WA3KCY, oprs.) 63,623-517-61-32
W3USS (K3ZJ, N3UN, oprs.) 2829- 60-23-42

WESTERN PENNSYLVANIA

W3HDH 24,885-275-45-12
K3FD 21,266-217-49- 4
W3QM 18,090-201-45-15
K3UA 12,062-163-37-42
W3YQ 8024-118-34-42
W3DKL 2800- 56-25- 4
KB3NV 162- 9- 9- 4
W3FSB 50- 5- 5- 2

4

ALABAMA

W8IM 2200- 44-25- 3

GEORGIA

WA4IAR 39,061-364-53-42
N4VZ 21,150-221-47-14
N4RJ 14,523-153-47-42
K4BAI 12,095-146-41- 9
K4VHC 3537- 64-27- 3
AA4EI 2500- 50-25- 6

KENTUCKY

N4AR 104,616-716-72-22
K4FU 68,244-514-66-20
W4YOK 19,404-219-44- 5
NQ4C 19,200-200-48-16
W4CM (KD4U, KK4Q, N4s TY, XM, NO4R, oprs.) 53,181-465-57-31

NORTH CAROLINA

N4SU 71,890-547-65-42
N4SF 59,458-472-62-42
K4HF 3844- 62-31-42
KE4SU 324- 18- 9- 2
W3ESU/4 (+K4XU) 29,841-300-49-16

NORTHERN FLORIDA

N4WW 23,640-188-60- 8
AA4EH 10,626-125-42-16

SOUTH CAROLINA

K4CNW 49,788-455-54-23
W4MAF 11,726-143-41-42

SOUTHERN FLORIDA

N4IN 40,640-298-64-22
K8UNP 3410- 52-31-42
N4KB 264- 12-11- 2

TENNESSEE

K4OAQ 11,040-138-40- 4
K4ON 8732-118-37-42
K4XO 4950- 75-33- 3
KD4PP 3192- 57-28- 4

VIRGINIA

AA4FF 25,286-266-47-42
W4XD 25,200-261-48-13
K4OD 23,265-257-45-13
KG4W 22,560-235-48-42
KX4V 13,860-154-45-42
N4RA 8806-119-37-42
K4JSI 8448-132-32-12
W4KMS 5412- 82-33-13
KC4HN 3248- 58-28-42
K4TM 1584- 44-18- 4
N4MM 1121- 28-19- 1
W4JVN (+WB4UUE) 17,056-208-41-13
K4AF (KA4NAU, N4EYL, WB7WBO, oprs.) 4698- 87-27- 8

WEST INDIES

KV4FZ (K5NA, opr.) 53,960-362-71-22

5

LOUISIANA

K5KV 16,176-167-48-42
W5QEP 13,566-160-42-22

MISSISSIPPI

KK5K 20,022-213-47-19
N5XA 14,784-151-48-13
W5GWD 928- 29-16-10

NEW MEXICO

KT5X 25,002-230-54-14
KN5S 5440- 80-34-42
K5IC 3534- 57-31-42
KP4X 2000- 50-20-15

NORTHERN TEXAS

N5JB 61,273-412-71-21
KC5DX 23,540-211-55-11
N5UA 10,105-116-43-12
W5QF 9744-116-42-42
W5FIX 7995-101-39-16
KB5UL (+K5SOR) 31,350-272-57-32

OKLAHOMA

N0IN 10,164-121-42- 2
N5AFV 1024- 32-16- 7
KK5I (+K7CW, N5s CG, MF, W5KI) 75,312-502-72-31

W7FG (+AC5B, K5SM, KM5H, NA5B, W5LFS, WD5KFP) 70,380-507-69-32

SOUTHERN TEXAS

K5LZO 14,872-140-52- 6
KB5FU 4321- 73-29- 9
N5AVR 396- 18-11- 7
N5EM (+K5HGB, WA6EWV) 15,615-172-45-42
K5DL (+WN5TEN) 6136-118-26-23

6

EAST BAY

AD6D 9990-135-37-15
K6TS 7336-131-28- 8
K2GMY 600- 25-12- 4
WA6EUZ (+WB6OVV) 13,262-173-38-26

LOS ANGELES

K6SE 42,842-320-62-17
K6DDO 9353- 98-47- 3
W6SGJ 5000-100-25-14
K6EID 2376- 54-22-10
WA6MEM 722- 19-19- 6
W6RW (+K6DDO) 23,600-236-50-42

ORANGE

N4ARO/6 5050-101-25- 8

SANTA BARBARA

WB6DAW 10,920-140-39- 7
W6JTA 6534-121-27- 8
K6MXO 4180- 95-22-42
W6OUL 2016- 56-18- 7
W6JEO 1394- 41-17- 7
WA6RKE (W6s HDO, MSG, WB6DPG, oprs.) 2052- 57-18- 5

SANTA CLARA VALLEY

KD6PY 10,152-141-36-15
W6OKK 2124- 59-18- 3
W6PRI 8- 2- 2- 1

SAN DIEGO

N6ND 20,150-200-50-42
KM6S 986- 29-17-42
AA6EE 408- 17-12- 1

SAN FRANCISCO

NA6T 1836- 51-18- 7
K6RN (+K6SKG, KB6XP, W6SYY) 15,974-163-49-12
WB6EGE (KA6AHK, N6QC, WB6WPO, WB7DEG, oprs.) 5550-111-25-12

SAN JOAQUIN VALLEY

K6MO/6 14,344-157-44-21
W6SX 3792- 79-24-42
N7EU 1330- 35-19- 4

SACRAMENTO VALLEY

WA6BRV 1440- 40-18- 3
AA6DX 1020- 34-15- 2

7

ARIZONA

K7OX 49,698-372-66-21
WB7FDQ 24,948-195-63-42
W7YS 9928-146-34-42
N7AZ 7412-109-34-12

IDAHO

K7RX 30,680-260-59-27
N7EIJ 23,200-200-58-24
N7SU 17,034-167-51-16
W7IWU 1044- 29-18- 6

MONTANA

K0PP/7 30,744-252-61-18
K7VIC 25,482-201-62-30
KS7T 19,822-187-53-42

NEVADA

KA7BRE 3900- 65-30- 9

OREGON

W7EJ 44,088-331-66-25
W7DCR 14,265-157-45-42

UTAH

WA7ADK 11,521-139-41-10

K7CPC 4930- 85-29-12

WASHINGTON

WA7OFH 30,256-239-61-28
W7TJ 23,108-212-53-27
N7CKD 17,640-177-49-42
W7BYK 9114-107-42-11
K7UU 4032- 72-28- 8
W7IEU 1980- 55-18-20
WA7STA 1470- 35-21- 8
W7ERH 720- 30-12- 2
AK7F 396- 18-11- 2
K7IDX (+W7DZO* 1 opr.) 20,300-169-58-42

WYOMING

K7EY 10,406-121-43-18
W7IRL 3294- 61-27-42
W7HLA 1518- 33-23- 5
K17W (+N7CYZ) 4690- 67-35-10

8

MICHIGAN

KC8P 30,885-301-51-42
K8CV 8892-117-38- 7
W8MNL (+K8s FC, JM) 81,315-621-65-39
KC8KQ (+K8AQM) 71,064-561-63-41
K8MJZ (+AC8Y, AI8D, K8LF, WD8DSV) 67,136-523-64-42
KJ8A (+AC8W) 17,876-218-41-42

OHIO

AD8I 116,584-755-76-42
K8US 81,606-600-67-24
K8CCV 67,716-507-66-30
W8FN 55,614-444-62-21
KT8D 50,180-481-52-24
K8AC 49,860-411-60-19
W8IMZ (N8BJQ, opr.) 42,282-363-58-22
W8ILC 37,700-287-65-19
W8CAR 29,468-275-53-42
KC8JH 24,794-250-49-11
K8ES 21,315-216-49-15
K8SVT 21,206-229-46-25
WA8RCN 11,700-150-39- 6
W8EX 9600-117-40-42
K8TH 8610-123-35-12
KB8LH 4662-111-21- 8
K8BL 3360- 70-24- 4
K8HF 2850- 57-25- 3
K8MR 1440- 36-20-42
W8XU 280- 14-10- 1
W8LT (K1LT, K8ND, KU8E, WD8IXE, oprs.) 105,228-702-74-38
W8LNO (+WA8EUK, WB8YVF) 57,600-450-64-23
W8SDL (+AC8M, AE8J, W8s USM, VSA, WB8RRR, WD8PZG) 19,712-224-44-29

WEST VIRGINIA

K8OQL 21,560-245-44-12

9

ILLINOIS

KK9A 72,215-551-65-24
K9AB 32,860-310-53-13
WB9GYJ 16,238-175-46-42
W9OA 16,128-192-42-42
K9JU 14,112-147-48-13
WD9COL 9440-118-40- 5
KB8AC/9 9044-119-38-13
KK9C 3900- 78-25-10
KG9N 3000- 60-25- 3
WD9DBC 2944- 64-23-42
KB9KD 2200- 44-25- 4
W9IE 2064- 43-24-42
W9FSD 1152- 32-18-12
W9QWM 962- 37-13- 2
W9LNQ 800- 25-16- 1
WA9EYY (+WB9TIY) 96,631-676-71-42
W9AZ (AK9F, K9NR, KO9I, N9CFJ, W9s HPR, YNI, oprs.) 78,729-566-69-37

INDIANA

W9RE 51,935-398-65-10
W9VP 17,572-191-46- 8
N9NB 11,856-156-38-16
WB9WQV 8970-115-39-21
K9ZUH (+WB9PXR) 50,508-414-61-19

WISCONSIN

W9UP (N9CIQ, opr.) 80,957-550-73-23
WA1UJU/9 19,264-224-43-42
WA9TZE 16,500-186-44-42
W9WQ 12,480-156-40- 8
KE9A 5642- 91-31-42

W9YCV 750- 25-15-42
W0AIH (K0FVF, KM0O, WA0RBW, oprs.) 73,994-541-68-28

COLORADO

KV0Q 53,399-391-67-42
W0EE 16,432-158-52-13
N0ZA 8560-107-40-10
KI0C 3348- 62-27- 9
K0UK 2332- 53-22- 1

IOWA

W0EJ 82,076-602-68-42
W0YBV (+AK0P, KN0O) 55,760-407-68-42
N0SM (+WB0VYV) 24,192-224-54-14

KANSAS

WA0QMU 72,624-531-68-30
KB0G 28,392-252-56-19
K9BLY/0 70- 7- 5- 1
KF0M (+WA0VJF) 21,808-188-58- 7

MINNESOTA

K0PK 52,059-384-67-14
W0HW 32,120-292-55-42
W0EKS 10,062-117-43-42
W0TIV 2640- 60-22-42
WA0IDK (+N0BVN) 8352-116-36-17

MISSOURI

AB0I (N7DF, opr.) 83,567-584-71-27
N0TT 48,662-418-58-18
W0XK 23,359-247-47-42
WA0FBQ 10,730-145-37- 6
K0SI 5280- 80-33- 5

NEBRASKA

K0HA 65,756-482-68-42

NORTH DAKOTA

AK0S 15,092-154-49-42
KI0E 2320- 58-20-42

SOUTH DAKOTA

W0JX 37,288-316-59-16

VE

MARITIME — NEWFOUNDLAND

VO1HP 144- 9- 8- 2

QUEBEC

VE2ZP 41,552-389-53-22
VE2MJ 7680-128-30-14
VE2QO 7440-124-30-13
VE2UM 6780-113-30- 9
VE3BGA/2 (VE3s BGA, SC, oprs.) 14,800-200-37-42
VE2CEV (VE2s FBK, FRS, GOM, oprs.) 5104- 88-29-42

ONTARIO

VE3BVD 88,660-677-65-42
VE3ABG 75,712-583-64-23
VE3INQ 49,414-397-62-33
VE3KZ 30,369-285-53-42
VE3GWN 23,594-251-47-42
VE3LSK 16,320-204-40-21
VE3FGU 13,440-160-42-42
VE3JKZ 4260- 71-30-42
VE3NBE 2544- 53-24-42

MANITOBA

VE4FK 3360- 80-21-12

SASKATCHEWAN

VE5XU 13,120-164-40-23

ALBERTA

VE6OU 10,416-124-42-42

BRITISH COLUMBIA

VE7CRU 26,019-219-59-42
VE7FPT 648- 27-12- 3

CHECKLOGS

KA1BSZ, NX4V, VE3MFA, VE7BS, W4DGJ, W4XT, WA8WCU, WB9IOG/0, WB0BJP, WB0OEH,