

# Results, 10th Annual ARRL 160-Meter Contest

Who would have guessed that the sunspot maximum would help produce the biggest scores ever on 160?

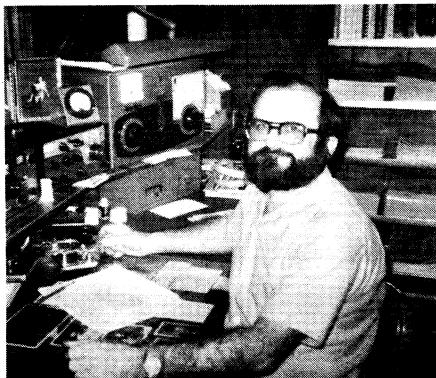
By Tom Frenaye,\* K1KI

Many people figured that the 1979 ARRL 160-Meter Contest would suffer from the high solar activity during the sunspot maximum. Not quite so! In fact the weekend was blessed by relatively low noise levels and at least average conditions. Add to that increased activity from all parts of the country and a dozen new Division records were set (more than in 1977 and 1978 combined).

The total number of logs received was up slightly to 382. The top-scoring stations had QSO totals into the 700s this year, compared with the 500s in the 1978 contest. Those most successful in hunting multipliers were W8JI (multiop) with 90, W8LRL with 87, W9ZR at 82 and K5NA who captured 81. W8LRL even snagged country number 147 with UA1DZ (watch for Russian stations just above 1850 kHz). Last year no one broke the 100,000-point mark, while this year the average top-10 single-operator score was 101,201! Both W8LRL (single operator) and W8JI (multioperator) smashed previous all-time records, and by substantial margins, though second-place stations were not far behind.

Top scorers from the West Coast were K6SE, followed by N6RZ and N7DD, with QSO totals in the 400s. JA3ONB reports hearing W4EX, W8LRL, W8JI and K8XR, in addition to having many successful QSOs from west of the Mississippi.

Observance of the traditional "DX window" from 1825 to 1830 kHz was rather dismal, with many complaints from all portions of the country. It appears that with the number of newcomers to 160 meters, the pressure for more room is growing. Encouraging results from WARC should lead to some relief in both power and frequency restrictions for W/VE amateurs as Loran is phased out. See February *QST*, page 55, for more details.



For the second year in a row, K0PP/7 claims the number-one spot in Montana, helping many toward a WAS.



Jack, K4CNW, nailed down the sixth spot in the top 10 with the help of his 90-foot vertical.



W8ERD (left) and K1LT leisurely roll up 1000 feet of coax feeding one of the W8LT Ohio State University Beverages. (K8ND photo)

\*Assistant Communications Manager, ARRL

#### Division Leaders

Single Op	Division	Multiop
VE3ABG	Canadian	VE2OJ
*K3WW	Atlantic	K3SX
*W9ZR	Central	W9AZ
K0PK	Dakota	*K0DD
N5AN	Delta	*K5GO
K4FU	Great Lakes	*W8JI
*W2IB	Hudson	WA2YEI
WA0TKJ	Midwest	K0DI
W1PL	New England	N1RI
W7NCO	Northwestern	W7IXZ
*N6RZ	Pacific	—
*W8LRL	Roanoke	K4ADI
*K0RF	Rocky Mountain	*W0MS
A18H/4	Southeastern	N4BP
K6SE	Southwestern	—
*K5NA	West Gulf	*K0JPX/5
AA7A/VP2A	DX	—

\*New Division record

#### Top Scorers

##### Single Operator

W8LRL	130,674
W9ZR	123,082
K3WW	110,200
K5NA	98,901
W2IB	95,394
K4CNW	92,929
K0RF	92,340
K4FU	91,980
N8EA	89,700
W0AIH/9	86,814

##### Multioperator

W8JI	124,290
K0DD	121,581
K5GO	106,626
WA8SJX	95,985
W8LT	92,130

##### DX

Asia	JA3ONB
Europe	EI9J
North America	AA7A/VP2A
Oceania	ZL1ADI
South America	YV1OB

#### FEEDBACK

A few errors crept into the results from last year's contest. K9ZUH should have been listed as a multiop effort. Both OK1ATP (84-14-6-3) and K3UA (28,294-301-47-13) were overlooked when the scores were typed.

#### SOAPBOX

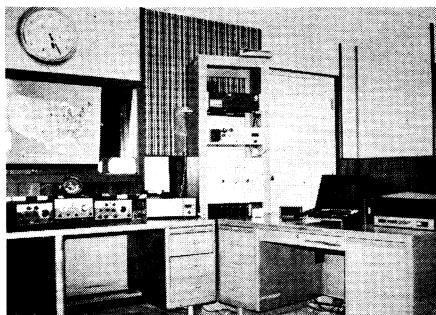
Conditions were fair considered with those last year when no QSOs were made. Outstanding signals from K5NA (EI9J). Must thank grandma for letting me use her 100-acre farm and facilities for the contest (WA9PFB). It was an absolute joy to operate this contest from VP2A. The highlight was working PA0HIP, giving him Europe's first 160-meter DXCC. It would interest me to know if some concern might be given to allowing DX-DX contacts and DX multipliers for DX stations. This might stimulate DX activity in the contest (AA7A). Band conditions, a most pleasant surprise, seemed to belie these times of high "solar pox" (W7XZ). We really need a 3.5-MHz cw contest similar to the 160 test — but only one night (Saturday) in February or March (K4FU). I hadn't worked anybody on 160 since I was W9IKW in 1940 (W0NU). Do you have a prize for the "low man on the top band totem pole"? (WB9JVR). I've got to learn to hear better with a better receiving antenna (K6TS). Hard to do well with a height restriction of 35 feet! (N6NW). The JAs were fine here both mornings but we were outgunned during the opening. One JA2 almost got the call right before his signal died (K0JPX/5). Best contest in my ham life (JA7AO).



Hidden in the trees around the W0AIH/9 estate are four slopers, an extended Zepp at 120 feet and a 145-foot vertical, in addition to the Yagis at the top of the tower.



The K0JPX/5 Oklahoma multiop effort included imported talent from New Mexico. Left to right: W5KI, N5MF and K0JPX.



The W7IXZ multiop crew seems to have been camera shy. They turned in the top score from the Northwestern Division with two 326-foot phased verticals with 120 radials on each one.

## 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	WA2YEI(+KA2AEV) 2268- 63-18- 5	Tennessee	San Joaquin Valley	9
Japan				
JA3ONB	2394- 57-21-	K4XU 34,485-301-57-10	K6MO/6 24,327-222-53-14	
JA7AO	928- 29-16-	K4AMC 5208- 84-31- 4	K6YK 7848-106-36- 5	
JA3BCT	24- 6- 2-	K4ON 2688- 48-28	KA6BIM 2586- 62-24-13	
JA7YAA(JH7HWR)R70MD	70- 14- 5- 5	Virginia	K6TG 1760- 55-16- 7	K9RF 67,166-470-71-24
JA9PPC,ops)		KA4DSL 54,208-419-64-	WB6ITM 360- 20- 9- 2	WA9PFB 67,104-463-72-27
France		W4YE 40,440-334-60- 9	WB6RKX 40- 5- 4- 2	K9BGL 66,960-459-72-30
AI2K	7644- 98-39- 8	AA4M 35,454-308-57-14		K9G 62,020-348-62-24
W2CC	2250- 45-25- 8	A4AF 32,682-300-54-21	WB6CH 51,060-367-69-24	
N2IN	1500- 50-15-	K4PQL 22,982-29-54-17	K9AB 38,998-313-62-12	
W2UL	50- 5- 5-	W4NVN 22,736-23-42-49	WA9EYY 45,440-352-64-16	
Czechoslovakia		N4RA 16,320-170-48- 8	WB9T1Y 37,881-273-69-10	
OK1DIJ	50- 5- 5- 2	K4RS 11,767-142-41- 7	K9K 31,293-255-61-8	
W2BWR	15,180-171-44-	W4XD 9000-125-36- 7	WB9NE 21,788-204-55-15	
W2PAU	10,998-141-39- 8	WA9KMS 5880- 98-30-	WB9DCN 18,142-193-47-16	
E19J	570- 19-15-	K4F 5208- 98-30- 3	WB9YTT 16,920-188-45-17	
Guatemala		WD4NLX 3120- 60-26- 7	WB9JVR 12,236-133-46-20	
WA21KO	32,670-297-55-26	WD4GCE 864- 27-16- 2	WD9GGY 7524-106-36- 6	
W2MTA	28,420-230-49-31	WB9NY/4 832- 26-16- 5	WD9IIIX 7130-115-31-18	
KB2L	15,180-189-33-33	West Indies	K9G 62,020-348-62-24	
KB2O	15,070-188-42-20	KP4FEY 4865- 65-35- 9	WB9REC 4416- 69-32	
Antigua	12,728-148-43-10	5	W9GSB 1110- 37-15	
WA2RXB	10,716-141-38-11	Arizona	W9AZ(WD4FFW,K9S IFO NR,	
K2OS	8214-111-37- 8	N7DD 59,924-416-71-	WB9ZKK,W9DCSA,ops)	
WA2EYA	7980-105-38- 8	W7RV 53,828-358-72-24	60,168-436-69	
WA2ECA	788-101-38- 3	W7YS 13,158-153-43-11		
VP2SAX(W6KG,opr)	1564- 34-23-	K6LL/7 11,088-132-42- 4		
New Zealand		Arkansas		
ZL1ADI	240- 12-10- 4	K5GO(+K8CC) 106,626-670-78-30		
Netherlands Antilles	3	Louisiana		
W1GNC/PJ2	112- 8- 7- 2	N5AN 82,713-513-79-22		
Venezuela		K5KLA 11,172-146-38- 6		
YV1OB	1584- 36-22- 3	WA5EID 9520-119-40-		
U.S.A.		Mississippi		
1		W5AQ 21,018-165-62-19		
Connecticut		W5GWD 8800-100-44-20		
AA1K	61,557-420-71-30	AE5H 4752- 73-3- 8		
W1WEF	54,684-438-62-20	New Mexico		
NIJW	28,717-304-47-16	W5DO 24,180-191-60-		
K1TN	23,069-194-59- 5	Northern Texas		
W1FK	17,958-219-41-18	W7NCO 40,996-300-66-		
K1DW	11,988-162-37-11	W7TC 10,944-142-38-22		
K1EM	11,070-171-37-11	AE7W 7986-121-33-17		
W1QV	9,040-128-28-12	W7LT 1728- 54-16-10		
K1LGM	7,781-124-31- 7	WB7SQM 11,152- 36-16- 4		
W1XX	4830- 79-30- 3	W5QF 29,948-25-58-19		
K1RT	2448- 51-24- 2	K7FDQ/7 2444- 47-26-		
NICC	480- 24-10-	N5XU 595- 35-17- 6		
W1CK(+W1U)	35,448-312-56-21	W5FIX 17,288-152-57-		
K1VTM(K1JX)	34,128-310-54- 6	W5FJX 17,264-165-52-14		
Eastern Massachusetts		W5DO 8862-104-42-14		
W1PL	66,333-471-68-28	W5DQ 5208- 98-30-11		
W1CF(N1EE,opr)	42,650-392-54-25	K5RA 5640- 63-40- 5		
AD1G	1,1640-177-49-	W5HN 440- 20-11-		
WA1EOT	6104-105-28-	Maryland - D.C.		
AD1Z	5270- 85-31- 7	K3ZZ 70,056-728-42-26		
K1MEM	3630- 60-30- 3	W3GN 61,504-494-62-		
W1AXA	3364- 58-27- 4	KD5M/3 35,288-305-58-		
W1BAV	2280- 44-24- 3	W3YOZ 28,779-270-53-		
W1AV	2160- 45-24-	W3FA 24,501-253-99-11		
AE1P(+WB1FLA)	34,128-310-54- 6	N3CO 25,231-253-67-7		
W1FLA	9940-142-35-20	K3ZJ 15,522-199-39-		
Maine		W3HVM 11,020-145-38- 9		
K2QE/1	19,995-231-43-15	K3AA 93,200-100-41- 5		
K1AQ	15,856-202-39-	25,498-298-49- 8		
K1BNB	14,445-159-45-	Western Pennsylvania		
New Hampshire		N5KNA 98,901-588-81-28		
AB1Y	27,900-225-60-15	AC5K 22,896-224-54-17		
W1FZ	9520-133-35-	K5TM(K5ZD,ops)		
W1TZ	8330-119-35-10	K5D/L 13,632-142-48-24		
NIACH	1044- 29-18- 2	W5AHC 3078- 57-27- 5		
Rhode Island		W5SSV(AC5R,KE5O,N5BST,		
K1AD(W1XO,opr)	60,905-465-65-25	WB5QD,WD5BIP,ops)		
N1RI+(KA1AIR,WA1DM XW,	WA4NMA(+WA4OYH)	W5BZ 22,000-226-51-26		
W1OH,WB1D DEZ DX QN	19,688-214-46-	N5EM(+WA4EV,W5KQH)		
W1FH	54,846-399-66-28	12,083-140-43-		
Vermont		8		
K1JK	51,456-381-17-13	Michigan		
WB1GQR(WB2JS,opr)	48,255-432-56-25	K6HH 89,700-589-75-22		
WA1GYS	3968- 64-31-	WA6EUZ 43,146-341-63-21		
Western Massachusetts		K6R 34,048-251-64-		
WB1HHH	21,504-256-42-24	W6RO 21,001-160-60-25		
NIYV	4350- 87-25- 3	WB7YK 19,494-165-57-19		
2		W5TDFH 17,732-163-52-22		
Eastern New York		K5QNM(+K5NTT) 2288- 44-26-		
W2IB	95,394-604-78-	W7DRA 9694-131-37-11		
W2YV	64,260-459-68-10	W7WKA 7,098-103-35-		
K2GBH	55,680-432-64-28	W7KJ 4988-107-67-10		
W1MKR	35,250-343-64-18	KA7FXS 3220- 70-23- 8		
K2MN	4640- 80-29- 5	W7UWX(WB1DAL,K9B7FX)		
W2DW	4200- 70-30- 3	N7AAC,ops)		
W2AZO	1472- 46-16- 1	4648- 83-28-20		
WB2PUH	352- 16-11- 3	Wyoming		
New York City - Long Island		N7AJ 32,760-248-63-28		
K2PHF	16,482-201-41-1	WB7BFK(K5W,ops)		
W2GP	14,391-183-39-	W7H 22,524-194-56-26		
W2KTU	11,585-164-35-15	W7OFH 21,001-160-60-25		
W2FLA	22,000-15-17-17	W7YK 19,494-165-57-19		
K25X	360- 13-12- 1	W5T 7,098-103-35-		
WB2RNT	24- 4- 3-	W7KJ 4988-107-67-10		
North Northern Florida		WB8OHO(+W8HIO) 58,608-399-72-26		
K41EX	15,533-157-49- 6	Alaska		
W4NKE	11,424-119-48- 6	KL7HBK 5040- 87-28- 8		
AG4S	520- 27-20- 4	KL7GIH 3792- 79-24-11		
South Carolina		VE		
K4CNW	9,929-925-73-32	Michigan		
AE4Y	12,298-141-42-	N6EHH 89,700-589-75-22		
W4JWS	10,452-134-39-16	WB8VSK 43,146-341-63-21		
K4ADI(+WB4TQ)	6014- 97-31- 9	K6RM 34,048-251-64-		
Southern Florida		W6MTJ 44,050-342-48-15		
N4IN	46,632-336-67-24	WB8TNO 44,224-344-64-28		
K4XB	7128- 99-36-12	WB8MVN 44,165-400-55-32		
W4OWJ	1656- 36-23- 3	AD8I 42,834-343-66-10		
N4BD(+N4UM)	6- 3- 1-	WB8R 42,630-320-66-19		
55,860-390-70-28	San Francisco	K6MN 45,054-342-48-15		
55,860-390-70-28	San Diego	WB8TNO 44,224-344-64-28		
N6ND	14,432-164-44-17	WB8MBK 11,162-142-38-18		
W6AET	4900- 70-35- 6	WB8R 42,630-320-66-19		
K6GEM	3410- 55-35- 6	WB8TNO 44,224-344-64-28		
AA8EE	320- 16-10- 2	WB8MBK 11,162-142-38-18		
West Virginia		WB8R 42,630-320-66-19		
WB1RL	130,674-709-87-36	WB8TNO 44,224-344-64-28		
WB1WL	47,632-134-52-20	WB8MBK 11,162-142-38-18		
K9OL	9650-120-10- 5	WB8TNO 44,224-344-64-28		
K9UC	7305- 92-37- 5	WB8TNO 44,224-344-64-28		
Check Logs		WB8TNO 44,224-344-64-28		
W4WZR,W6XM,W9NU,K5JZN/9		WB8TNO 44,224-344-64-28		