



Leading the league is nothing new for W1RFU, Wilbraham, Mass. Bill did it again in the September V.h.f. Party, turning in the country's highest score for a single-operator station. Using 50, 144 and 220 Mc., W1RFU made 227 contacts, with a section multiplier of 44, for 10,868 points.

## September V.H.F. Party Results

### *Auroral and Tropospheric Openings Send Scores Soaring*

BY EDWARD P. TILTON,\* W1HDQ

**W**E'VE always wondered what a really good aurora would do to a v.h.f. contest. The week end of September 21-22 gave us a chance to find out. It didn't help stations in the southwest, but almost everywhere else section multipliers bounded to a new high for a fall v.h.f. operating activity. In between auroras on Saturday and Sunday, tropospheric conditions were good, to boost scoring still higher.

The aurora proved to be a great equalizer, for the operators who were equipped to take advantage of it, and scores throughout the Middle West came close to overhauling those of the populous and small-section East. Portable opera-

tion from choice locations was in evidence almost everywhere, and as always these portable and multi-operator stations were a considerable factor in the overall picture.

Top score in the country by a single operator was posted once again by W1RFU, Wilbraham, Mass., who made 227 contacts on 50, 144 and 220 Mc. His multiplier of 44 gave him 10,868 points. He was followed closely by W1HOY, Medfield, Mass., who made the country's top contact total for a single-operator station, 294, on 50, 220 and 420 Mc. Helen thus once again earned a Technician award with one of the contest's best efforts.

The mountains of West Virginia were the scene of some stiff competition in the group category. The Aero Amateur Radio Club of the Baltimore area pushed W3PGA/8 to the top spot in the contest with 395 contacts on 50, 144 and 220 Mc. With a multiplier of 43 this brought in 17,329 points. K2CEH/2 topped them all in the multiplier department, knocking off 54 sections on three bands. Their 244 contacts gave them 13,824 points. Both these scores were records for their respective ARRL Sections, West Virginia and Western New York.

W7VMP/9, Lafayette, Ind., W9ZIH, Chicago, and W8URO, Drayton Plains, Mich., showed what a propagation break can do for Middle Western stations. The Fenwick triplets, W7VMO-P-Q, tossed a coin and the operating privilege fell to Charlie, W7VMO. Using 50, 144, 220 and 420 Mc., he worked 154 stations, mostly on 50 and 144 Mc. A section multiplier of 36 gave him 5724 points. He says that if a higher percentage of the gang had been using c.w. during the aurora openings his score could have been much larger. W9ZIH ran up the country's highest 144-Mc. score by working the aurora to the limit. He had 117 contacts in 21 sections for 2457 points. W8URO also caught 21 sections on 2, with 105

\* V.H.F. Editor, *QST*.

contacts and 2205 points. W2ORI, Lockport, N. Y., with only a few hours to work the contest, concentrated on sections, working 23 on 144 Mc. only.

Some colossal scores were made on 50 Mc. only. W4UCH, Sterling, Va., worked 284 stations in 23 sections on 6, for 6523 points. K6UHS worked 203 different stations on 6, though with no break to distant sections his total score was lower. W8HXT, Mansfield, Ohio worked the aurora intensively on 6, catching 21 sections in 140 contacts, for 2940 points.

Top home-station score was made by the Taylor brothers, K2ITP-Q, who worked 309 stations on 50 and 144 Mc. from K2ITQ, River- ton, N. J. A multiplier of 36 gave them 11,124 points.

At this point we'd like to correct two errors made in the report on the June V.h.f. Party, published in September QST. We gave W1HOY credit for having made the country's top com- petitive score, whereas Helen was just nosed out by W1KCS, Providence, R. I., 8730 points to 8652. And we slighted W8RMH and W8NOH by declaring W8SDK to be the top man in the Michigan Section. Our apologies to all hands.

### SCORES

In the following tabulation, scores are listed by ARRL Divisions and Sections. Unless otherwise noted, the top scorer in each section receives a certificate award. Columns indicate the final score, the number of contacts, the section multiplier, and the bands used. A represents 50 Mc.; B, 144 Mc.; C, 220 Mc.; D, 420 Mc.; and E, 1215 Mc. or higher. Multiple-operator stations are shown at the end of each section tabulation.

#### ATLANTIC DIVISION

*E. Pennsylvania*  
 W3TDF 7092-197-36-AB  
 W3OLV/3  
 1180-118-10-B  
 W3JCT 203-22-11-B  
 W3XSD 816-68-12-A  
 W3JLU 810-90-9-B  
 KN3ALJ 752-94-8-B  
 W3FKI/3 700-70-10-A  
 W3YNC 650-65-10-A  
 W3YWW 600-61-8-A  
 W3AMO 488-61-8-A  
 W3FEY 388-46-8-B  
 W3MFT 351-27-13-B  
 W3UBO 350-35-10-A  
 W3OSA 200-40-5-B  
 W3JUZ 80-16-5-A  
 W3CBH 30-10-3-B  
 K3GV 9-9-1-A  
 W3FKJ/3 8-8-1-A  
 W3ARW<sup>2</sup> (W3s ARW LKL)  
 8424-144-52-ABC  
 W3LXM/3 (5 oprs)  
 6244-228-28-AB  
 W3HZU/3 (7 oprs)  
 3674-167-22-AB  
 K2LX1/3 (K2LXI, K6IBY)  
 3468-204-17-A  
 W3MUM (W3s AZQ JOH  
 KAZ) 1218-87-14-AB

#### *Md.-Del.-D. C.*

W3IIU 2800-140-20-A  
 W3CGV 2226-101-21-ABC  
 W3PYW 1976-104-15-B  
 W3KMY 1358-97-14-A  
 KN3ALB 1188-108-11-B  
 W3UCR 1001-86-11-ABC  
 W3VAM 804-67-12-AB  
 W3OTC 420-42-10-A  
 W3GCP 286-22-13-B  
 W3UJU 228-38-6-A  
 W3UJJ 156-13-6-C  
 W3LCC 132-11-6-C  
 W3TFA 130-22-5-BC  
 W3AKP (8 oprs)  
 5185-269-28-ABC  
 W3CJX/3 (W3s BZT CJK  
 KN3AR) 2159-127-17-AB

W3BPD (5 oprs)  
 1261-97-13-AB

#### *S. New Jersey*

W2BLV 4452-153-28-BD  
 K2JVK 2940-140-21-AB  
 W2CBA 748-68-11-A  
 W2ADA 594-33-18-AB  
 K2CRX 57-19-3-A  
 K2ITQ (K2s ITP ITQ)  
 11,124-309-36-AB

#### *Western New York*

W2ORI 2070-90-23-B  
 K2ERQ 1232-88-14-AB  
 K2MNE 1204-86-14-AB  
 K2APS 680-40-17-B  
 K2JLR 627-57-11-B  
 K2LTL 600-60-10-A  
 W2QNA 511-71-7-ABC  
 K2JWE/2 407-37-11-A  
 W2ELX 387-43-9-B  
 W2YIK 319-29-11-A  
 W2GBN/2 272-34-8-B  
 W2ROA 240-40-6-B  
 W2BLN 126-18-7-A  
 K2QVC 115-23-5-A  
 K2AXA 90-45-2-B  
 W2MYN 60-30-2-B  
 K2UCQ 56-14-4-A  
 K2IXB 44-22-2-A  
 KN2CTH 21-21-1-B  
 K2QPC 17-17-1-A  
 K2CZH/2<sup>2</sup> (W2s ALL JTE  
 K2s CEH HF)  
 13,824-244-54-ABC  
 W2SPU (11 oprs)  
 5148-156-33-AB  
 W2JGJ/2 (W2JGJ K2CVX)  
 4380-143-30-ABC  
 W2MAU/2 (W2WZB  
 K2SZM) 1012-92-11-A  
 K2YCU (W2s ICZ PPY)  
 672-96-7-AB  
 W2RAS (W2RAS K2YNNW)  
 660-55-12-A  
 K2MUI/2 (K2MUI OAP)  
 336-56-6-A  
 K2ODL (K2s ODL SKB)  
 203-29-7-AB

#### *W. Pennsylvania*

W3OMY 2668-116-23-A  
 W3RUE 884-52-17-AB  
 W3BWW 264-44-6-A  
 W3TIF 168-24-7-AB  
 W3EPW/3 21-7-3-A  
 W3KX/3 (5 oprs)  
 4191-118-33-ABC

#### CENTRAL DIVISION

##### *Illinois*

W9ZIH 2457-117-21-B  
 W9ROS 1992-158-12-AC  
 W9CSI 1240-155-8-A  
 K9ANC 1140-114-10-A  
 W9EET 671-61-11-AB  
 KN9/K9HWY  
 476-68-7-AB  
 W9DRN 430-41-10-ABC  
 K9EUV 300-75-4-A  
 W9YYS 120-15-5-A  
 K9EEC 204-51-4-B  
 W9ZKQ 174-58-3-A  
 K9JFN/9 144-48-3-A  
 W9PPW 128-64-2-AB  
 K9BEO 111-37-3-A  
 W9RYG 84-42-2-A  
 K9AOG 84-28-3-A  
 K9HLA 81-27-3-A  
 W9DYX 44-22-2-A  
 W9CX 22-11-2-B  
 W9RSU/9 13-13-1-A  
 KN9IRG (K9EEC KN9IRG)  
 144-36-4-B

##### *Indiana*

W7VMP/9<sup>4</sup>  
 5724-154-36-ABC  
 W9APY 1104-69-16-A  
 K9EEK 264-44-6-A  
 W9EKO 192-48-4-A  
 W9MHP 136-34-4-A  
 W9OZQ 130-26-5-B  
 W9MLJ 75-25-2-A  
 W9JRF (5 oprs)  
 592-74-8-AB  
 K9ADJ (2 oprs)  
 41-41-1-A

##### *Wisconsin*

W9JFP 644-92-7-A  
 W9VZP 256-32-8-A  
 W9TQ 225-25-9-AB  
 KN9HCT 96-24-4-B  
 K9HUI 8-8-2-A  
 W9JCI/9 (W9s JCI VBQ  
 K9s AKI JSA)  
 2145-165-13-A  
 W9OYR (W9s BZU GXD  
 RKT) 48-12-4-B

#### DAKOTA DIVISION

##### *Minnesota*

W0UBA 5-5-1-B

#### DELTA DIVISION

##### *Tennessee*

W4HHK 912-48-19-AB  
 K4NN 240-48-5-A  
 K4KEY 240-48-5-A  
 W4IKK 147-21-7-A  
 W4YRM 56-14-4-A  
 K4OSF/4 (K4s EPR OSF)  
 483-69-7-A  
 W4YSB/4 (7 oprs)  
 182-26-7-B

#### GREAT LAKES DIVISION

##### *Kentucky*

W4KZF 120-24-5-A

##### *Michigan*

W8RMH 3944-116-34-AB  
 W8URO 2205-105-21-B  
 W8FUE 1660-83-20-B  
 W8PT 1512-70-21-BC  
 W8SDM 1414-10-14-A  
 W8NOH 1292-76-17-AB  
 W8ARR 1280-75-16-ABD  
 VE3ANX/W8  
 960-80-12-A  
 W8HJR 720-80-9-A  
 W8CVQ 670-67-10-AB  
 W8HML 192-13-5-B  
 W8NNF 88-22-4-B  
 W8FPY 18-6-3-B

##### *Ohio*

W8HXT 2940-140-21-A  
 W8SRW 2704-104-26-AB  
 W8NRN 1944-104-18-ABE  
 W8BAX 1806-81-21-ABC

W8EPW 1616-101-16-AB  
 W8WRN 1050-63-15-ABCD  
 W8GHX 696-58-12-A  
 W8KDW 660-60-11-AB  
 W8LOF 594-54-11-AB  
 W8GFN 558-62-9-B  
 W8BMO 546-76-7-ABC  
 W8SWV 492-62-5-AB  
 W8NEE 432-65-6-ACD  
 W8UMF 410-82-5-A  
 W8DPW 184-46-4-AB  
 W8TEX 164-41-4-AB  
 W8IPT 138-46-3-B  
 W8KCS 135-45-3-A  
 W8MYL 128-42-5-AB  
 W8AAL 123-41-3-AB  
 W8NAF 106-53-2-A  
 W8PLQ 100-25-4-AB  
 K8BUG 82-41-2-B  
 W8KSE 27-27-1-A  
 W8KOT 21-21-1-B  
 W8KOT 13-13-1-B  
 W8RLY 9-9-1-B

#### HUDSON DIVISION

##### *Eastern New York*

W2WHX 3105-115-27-AB  
 W2HBC 912-62-14-ABC  
 W2EPF/2 324-36-9-B  
 W2IP 324-36-9-B  
 K2QIX 160-40-4-B  
 W2CJS 92-23-4-B  
 W2HZZ 90-15-6-B  
 W2TMM 36-18-2-B  
 W2LW/2<sup>2</sup> (6 oprs)  
 8401-27-31-AB  
 W2NQW 6390-213-30-AB  
 W2MSJ/2 (W2MSJ K2DLB)  
 750-50-15-AB  
 K2KXE/2 (W2OC K2YRZ)  
 100-25-4-B

##### *N. Y. C. L. I.*

KN2/K2VLX  
 2100-140-15-AB  
 W2AOC 816-34-12-C  
 K2AZT 792-72-11-A  
 K2UZA 702-78-9-A  
 W2AOD 576-41-12-BD  
 K2BWA 540-54-10-A  
 W2VTR 400-80-6-B  
 K2TGR 342-87-6-B  
 K2HTO 165-33-5-B  
 K2MYS 60-20-3-B  
 K2CIC 18-9-2-B  
 W2MFN/2 (W2MFN K2s  
 IEJ WLC) 7761-199-39-AB  
 W2DYM/2 (K2s IDD KFV  
 WN2HLL) 1946-137-14-ABD

##### *Northern New Jersey*

W2DZA 2232-70-24-ABC  
 W2BDL 1950-75-26-AB  
 K2KIB 1030-103-10-B  
 K2PRR 825-75-11-B  
 K2ICE 370-37-10-B  
 W2SU 52-7-7-A  
 W2NKB 329-47-7-B  
 K2VZ 318-53-6-AB  
 K2DIG 308-32-7-AC  
 K2HTR 273-39-7-B  
 K2BHQ 155-31-5-B  
 W2CB 142-24-6-B  
 W2HDT 135-45-4-B  
 W2EGQ 30-15-2-B  
 W2PRF (7 oprs)  
 19,461-486-39-ABC  
 W2AFU/2 (4 oprs)  
 1742-106-17-AB

#### MIDWEST DIVISION

##### *Iowa*

K9EMQ 780-52-15-B

##### *Kansas*

W9CIK 64-16-4-AB

##### *Nebraska*

W9BTT 279-31-9-AB  
 W9CVG 192-24-6-B  
 W9WRT 168-28-6-AB  
 W9FCN 5-5-1-A

#### NEW ENGLAND DIVISION

##### *Connecticut*

W1RJA 7095-215-33-AB  
 W1HDQ 3270-109-30-AB  
 W1ILGE 3171-151-21-A  
 W1EHR 1406-102-24-AB  
 W1OAX 1751-103-17-B  
 W1WSE 1328-83-16-B  
 KN1CRQ 1092-91-12-B

WITCJ... 900-60-15-B  
 WIGKR... 854-61-14-A  
 KNIBWC... 690-69-10-B  
 WIMEK... 600-50-12-B  
 KNICAE/1  
 520-65-8-B  
 KNIDAY... 336-48-7-B  
 WIYDS... 330-55-8-AB  
 WIAW<sup>2</sup>/154-22-7-AB  
 WIWJO/1... 119-17-7-B  
 KNICAK... 66-33-2-B  
 WIANE... 65-31-5-A  
 KNIDCX/1  
 32-16-2-B  
 WIREJ... 28-14-2-B  
 WICUT<sup>5</sup>... 24-12-2-AB  
 WIQAK/1<sup>2</sup> (8 oprs.)  
 12,240-340-36-AB  
 WILAS/1 (7 oprs.)  
 2684-122-22-AB  
 KIBML (2 oprs.)  
 2033-107-19-AB  
 WIORS (11 oprs.)  
 1218-87-14-AB  
 KIAPP/1 (W1FBD KIAPP)  
 280-35-8-B

*E. Massachusetts*

WIHOY... 10164-294-33-ACD  
 WIOOP... 7315-184-35-ABCD  
 WIAQE... 3504-146-24-AB  
 WIQXX... 253-140-17-ABC  
 WIEUJ... 1836-102-18-AB  
 WIAAI... 1168-73-16-B  
 WIDDN... 1040-80-13-A  
 WIJSM... 868-62-14-B  
 WIKBN... 420-60-7-AB  
 WIWEW... 405-45-9-B  
 WIMEG... 378-42-9-AB  
 WILMZ... 310-62-5-B  
 WILUW... 288-36-8-AB  
 WINYL... 200-50-4-B  
 WIBCNI... 152-19-8-B  
 WILMU... 124-31-4-A  
 KNICZP/1  
 108-36-3-B  
 KIAIO... 84-28-3-B  
 WIKVV<sup>2</sup> (4 oprs.)  
 1750-125-14-AB  
 WIILW/1 (10 oprs.)  
 504-63-8-B  
 KNIAIU (3N1A AU AUR  
 BTP)... 244-61-4-B

*W. Massachusetts*

WIRFU... 10,868-227-44-ABC  
 KNIAIC/1  
 1414-101-14-B  
 WIWZL... 975-75-13-A  
 WIUCB... 36-12-3-A  
 WIOAZ/1 (multiopr.)  
 5918-269-22-AB

*New Hampshire*

WIAZK... 2324-72-28-BC  
 WIHGV/1 (6 oprs.)  
 7992-296-27-AB

*Rhode Island*

WIKCS... 7524-162-44-ABCD  
 WIUHE... 1088-57-16-AC

W1FVZ... 330-33-10-A

*Vermont*

WIMMN... 731-43-17-B  
 WIMEP... 636-53-12-AB  
 W1EXZ... 60-10-6-A

**NORTHWESTERN DIVISION**

*Oregon*

W7HBD... 87-29-3-AB  
 KN7BED... 30-15-2-B

*Washington*

W7BJW... 288-48-6-A  
 W7RPD... 128-32-4-A  
 W7UGV... 12-12-1-B  
 W7PUA/7 (6 oprs.)  
 856-97-8-ABCD

**PACIFIC DIVISION**

*Hawaii*

KH6EE... 5-5-1-B  
 KH6OS... 4-4-1-B

*Nevada*

K6KFF/7... 228-38-6-A  
 W6GCG/7... 186-31-6-B  
 W7JU... 10-5-2-B

*Santa Clara Valley*

K6DTR... 1708-116-14-ABD  
 W6ASH... 330-66-5-B  
 W6AOF... 626-53-5-B  
 K6JKQ... 115-23-5-A  
 K6HYX... 18-9-2-B  
 W6VMY/6 (W6VMY  
 K6TAO) 1904-130-14-ABD  
 K6JFS (K6S ERN HHL  
 HYW JFS) 714-102-7-A

*East Bay*

K6IIN... 560-70-8-AB  
 K6AOM... 415-83-5-B

*San Francisco*

W6AJF... 1680-100-15-ABD  
 K6VXI... 320-64-5-A  
 W6BAZ... 140-28-5-A  
 W6CQC... 104-26-4-A  
 K6GOW (K6s EOW GOW)  
 1342-122-11-AB

*Sacramento Valley*

W6BUR/6... 1703-131-13-AB  
 K6GLJ... 312-52-6-A  
 W6LSK/6 (W6s LSK MLN)  
 1918-132-14-ABD

*San Joaquin Valley*

W6GQZ... 440-40-11-AB  
 W6FZA/6 (W6s FZA K6s

CRO ZEH) 598-46-13-AB  
 K6RPL/6 (5 oprs.)  
 360-72-5-B

**ROANOKE DIVISION**

*North Carolina*

K4EUD... 64-16-4-B

*South Carolina*

W2BHS/4... 154-22-7-AB  
 W4AIB... 128-16-8-B  
 W4TLC... 72-18-4-A  
 K4KSU... 44-11-4-A

*Virginia*

W4UCH... 6523-284-23-A  
 W4ZZ/4... 210-30-7-AB  
 W3MSR/4... 104-26-4-B  
 W4WSF/4... 18-6-3-B  
 KN4LL/4... 15-5-3-B  
 W4JCL/4 (W4s CCJ CJJ  
 SRD)... 2358-131-18-AB

*West Virginia*

K8AON... 270-54-5-A  
 W3PGA/8<sup>2</sup> (8 oprs.)  
 17,329-395-43-ABC

W3MPT/8 (8 oprs.)  
 8250-238-33-ABC  
 W3KLA/8 (W3s BA3 KLA  
 YQD)... 15-5-3-AB

**ROCKY MOUNTAIN DIVISION**

*Colorado*

W0TII... 51-17-3-A  
 K0CLJ... 14-14-1-A

**SOUTHEASTERN DIVISION**

*Alabama*

W4CTG... 488-61-8-AB  
 W4AZC... 96-32-3-A  
 K4IQU... 87-29-3-A  
 K4GQK... 80-16-5-AB  
 K4KQH... 18-9-2-A  
 W4LEN... 6-6-1-A  
 K4BEI/4 (W4AKX K4BED)  
 220-55-4-A

*Eastern Florida*

W4LTU... 150-30-5-B  
 W4RMU... 105-15-7-A  
 W4GJO... 52-26-2-AB  
 K4IXG... 51-17-3-AB  
 W4KKU... 26-26-1-AB

*Western Florida*

W4MS... 3-3-1-A

*Georgia*

W4GIS... 115-23-5-AB

<sup>1</sup> Technician award winner; <sup>2</sup> Multioperator award winner;  
<sup>3</sup> W2YLM, opr.; <sup>4</sup> W7VMO, opr.; <sup>5</sup> Hq. Staff, not eligible for award;  
<sup>6</sup> Novice award winner; <sup>7</sup> W1QIS, opr.

W4VZR... 110-22-5-AB  
 W4LNG... 64-16-4-AB  
 K4DLE... 64-16-4-A  
 W4ABP... 18-6-3-B

**SOUTHWESTERN DIVISION**

*Los Angeles*

W6NLZ... 1168-60-16-ABCD  
 K6UHS... 812-203-4-A  
 W6SDW/6  
 128-32-4-AB  
 K6SVL... 116-29-4-A  
 K6KCX<sup>2</sup> (W6GJN, K6KCX)  
 1378-91-13-ABCD  
 W6GQB/6 (W6s GQB MLA  
 PFE SDI)  
 1351-193-7-AB  
 K6GHJ/6 (8 oprs.)  
 460-92-5-AB

*Arizona*

W7JBX... 24-24-1-A  
 K7BAM... 12-12-1-A  
 W7QLZ... 4-2-2-A

*San Diego*

K6COE/6... 876-146-6-AB  
 W6ZOP/6... 856-107-8-AB  
 K6JUL... 183-61-3-A  
 K6VOB... 51-17-3-A  
 K6UJM... 14-7-2-A

*Santa Barbara*

W6WRQ/6 (6 oprs.)  
 536-67-8-A

*Northern Texas*

K5DCQ... 12-12-1-A

**WEST GULF DIVISION**

*Oklahoma*

W5DFU... 95-19-5-B  
 W5PZ... 57-19-3-B

*New Mexico*

W5LEF... 4-4-1-B

**CANADIAN DIVISION**

*Ontario*

VE3AIH... 2208-91-23-ABC  
 VE3DSU... 2125-85-25-AB  
 VE3BQN... 2020-96-20-ABC  
 VE3HW... 450-50-9-B  
 VE3AGG... 366-61-6-B  
 VE3BFR... 259-37-7-A  
 VE3DUU... 120-40-3-B  
 W9NLV/VE3  
 12-6-2-B

**Strays**

W6NFH has a mighty slick mobile rig that puts out a lot of power without taking up too much of the trunk. In a package 8 X 11 X 12 he has constructed a crystal controlled job using parallel 813s in the final, modulated with push-pull 811s. Although W6NFH has on occasion loaded it to one kw., he normally holds the input down to about 600 watts maximum. For around-town operation one 813 is removed and the rig run at 300 watts. High voltage comes from dynamotors and a 12-volt primary source. Operation is limited to 75- and 40-meter phone at present.

