

# Results, 21st ARRL V.H.F. Sweepstakes

REPORTED BY BOB HILL,\* W1ARR



Two very active multioperator stations were NLI's **K2VMR** and Colorado's **WAØPHZ/Ø**. The VMR gang, which ran up 26 kilopoints, consisted of (seated L to R) WA2CSM, WB2EIR, WA2QYO, K2SSQ, (standing L to R) WA2s CPX PZI and HVK, plus K2VMR himself. WAØPHZ/Ø Hamsters (L to R) WAØs RFA LUM RED and SLM braved Rocky Mountain cold to tally 141 QSOs on 6, 2, and 432 Mc.

HERE is a little-known corollary to Murphy's famous law, and it states that *even though* "if anything can go wrong, it will," V.h.f. Sweepstakes enthusiasts are still going to enjoy themselves in spite of all obstacles — they just refuse to quit! And so it was that some 964 hardy entrants (compared to last year's 1123) defied gosh-awful snowfalls, howling winds, sub-zero temperatures, punk band conditions and relatively low activity — all for the pleasure of participating in our annual V.h.f. SS the weekend of January 6-7.

It is certainly true that conditions on six meters weren't very good, all right, but on the other hand you have to admit that conditions on two were downright awful. Whereas 50 Mc. had at least a few fair sporadic-E openings to excite the gang, 144 Mc. had about as much DX as you could fit on the head of a pin! V.h.f. Editor W1HDQ sums it up concisely and precisely: "Interesting though difficult contest. Minor openings on 50 Mc. made top-quality stations pay off. This was definitely not a contest in which marginal stations could score well. Heard many stations and several sections I was not able to work, even with a kw. on s.s.b. and c.w."

Apparently someone forgot to tell **W3MFY** about the crummy condx, however, so Pres merely set a new all-time QSO scoring and record for a V.h.f. SS: 715 contacts and 52,910 points! *Sic transit* the old marks of 666 contacts (held by W3KKN) and 47,804 points (set last year by W3MFY himself). Just to keep things in the Funk family, son Dave, **WA3CAG**, turned in the affair's second-high score of 38,480 — yet he and his OM, living a mile apart, forgot to work each other during the contest! Other 20K-plus totals were fashioned by **K3IPM/3** (34,304), **W2EIF** (25,926), **W2REB** (24,696), **W3LHF**

(24,246), **W3KWH** (23,445), **WB2MTU** (22,572), **WA2PBN** (21,200), and **W3CL** (20,800). Multioperator highs came from **W2JKI** (35,150), **K8MMM** (26,696), **K2VMR** (26,588), and **W2PAU** (20,462).

Seven Novices, taking advantage of their last SS opportunity to use A3 on 144 Mc., earned section awards: WN1HHN, WN1HUE, WN2BFH, WN2CEW, WN2DBA, WN8YYV, and WN9UHB.

## Clubs

This contest always stirs up plenty of group activity — better than 60% of all entrants were striving on behalf of an ARRL-affiliated club. The **Mt. Airy V.h.f. Radio Club** is tops again, as they have been every year since 1961. The **Rochester V.h.f. Group**, in response to the enthusiastic prodding of SS Chairman K2YCO, chipped in with a whopping 122 entries and second spot in the club tabulations. Not far behind was the **South Jersey Radio Association**, the only other club to total six figures. All together, the 33 clubs ran up 1,838,364 points!

## Soapbox

"Conditions very good on 6 and terrible on 2. Just about every type of propagation present on 6 except F2, which came a week before. Six-meter activity in Quebec is picking up by leaps and bounds. I will be on 2 and 432 s.s.b. for the June contest, and please tell the stations in the States to turn their beams up north!" — **VE2DFO**. "First V.h.f. SS that I've been in. It was a real blast and there was actually local QRM. Sure wish I had c.w." — **VE2BGJ**. "Had hoped to have a kw operating for this one; hope it's ready for June." — **VE3DSQ**. "Contest very interesting — at least on six, with what appeared to be backscatter allowing some of the scarcer sections to be worked." — **VE3CUA**. "Thanks to all the U.S. stations for heading their beams toward Ontario and making the contest enjoyable for us here in the frozen North." — **VE3EZC**. "Since the advent of a w.b.f.m. repeater system in our area, contest activity has fallen off considerably. A ground-plane or a vertical whip isn't much good when you can't use the repeater." — **VE3ASO**. "First contacts on 6 outside Newfoundland. Believe am

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first station to work out on 6, and am looking for stations on 2. Only two of us on 2 meters at this time." — VOIDZ. "My first v.h.f. contest. With a Two'er and a beam there's not much you can do in the St. John area." — VE1AKA. "It never ceases to amaze me that so many don't know what section they're in, let alone the fact that there's a contest going on." — WB6IFC. "Activity was rather sparse and local band conditions were only fair at best. One nice Es opening was had, of about two hours' duration, first to the East, then winding up as usual to the Pacific Northwest with a very nice QSO with W6PUZ/7, who is our nightly scatter contact." — WB6NMT. "I have been on 6 meters since 1957 and that's the first Six (WB6NMT) I've ever heard. I just wish there would be activity like that on the band all the time." — K4IGR. "Supply of 807s was adequate and some were even brought back for future contests, in spite of the fact that one of the projects of the expedition was to construct an 80-meter vertical from the empties." — WB4FMJ/4. "Pretty quiet down this way; quite a difference from when I lived in 8-land (Ohio), when a couple hundred contacts didn't even put you in the running for a booby prize." — WB4EHR. "Eighty QSOs during the 4-hour band opening did a lot for my score. Glad to give a Wyoming contact to so many happy fellows." — K6QPH/7. "Would like no limit set on operating time — that is, a possible 35-hour period." — W5LXR. "For a little while, six meters sounded like 20 meters on Sunday." — WA6PHZ/6. "My first contest as a single operator and found it a nice experience. The six-meter band was open, which allowed many section contacts." — W6INK. "Condx very poor. Freezing temp, rain/snow all weekend." — K4QIF. "One never knows how many 'bugs' are in the wood" until the Sweepstakes seems to bring them out of hibernation. The band openings were not too outstanding — just enough to spur continued listening." — W4TBQ. "We started out on 6 and 2 but our six-meter gear gave out on us. Two was practically nil, as we had a slight mountain range between us and the main action of the SCV. About 9:00 p.m. PST we were attacked by a bunch of burglars who had been using the cabin for their own use. We finally beat them off after they had practically dismantled our generator. About 3 a.m. a lantern exploded and we had to shut down. At noon on the 7th, we found that our 2-meter antenna had been shorted out (we did pretty good for not having had any antenna and only 10 watts!). Herein we derived our name, 'The Willow Glen Hard-Luck Ham and Burglar-Chasing Society.' — WB6WLE/6. "Two meters was worse than ever; I think the repeaters have ruined it in California. All in all, though, much fun was had and we'll be on for the next one." — W6YEP/6. "Unfortunate that the contest did not start a few hours sooner, seeing that KH6NS was being worked in Calif. about 1925Z. The Es we had made up for it. I heard every con-

tinent U.S. call-area except W1." — WB6UYG. "Lots of fun, but a scarcity of home-designed and home-built gear. Sorry to say I think the appliance operators have entered the v.h.f. field too." — W6MIW. "Appalled by the lack of activity in this area. So far as I could tell, I was the only active contester on 50 Mc. Ran into one station who refused to exchange information because he was anti-ARRL and wouldn't support its contests! It takes all kinds. Am presently awaiting assignment of a W7 call; will be active here from now on." — W6PUZ/7. "We'll try again next year in a better location." — K7UYX. "My first contest and it was really fun." — WA7FNZ. "It was even hard at times to hold a frequency on 2. The band was really jumping, and there were even a couple of Washington stations." — WA7ECY. "Worked more people on six during the contest than I did all last summer." — K7ZFG. "We heard many 8s and 9s on 6-meter backscatter and aurora but didn't work any because of the lack of s.s.b. Looks like it's time to get a 6-meter s.s.b. rig." — W1YK. "Found out I would be in 3W8-land after May 1 for a year. No. 2 meters over there! Will be back in 5-land after May '69 all set to give Oklahoma contacts on 2 and possibly 220 and 432." — W5NWG/1. "My only complaint was that 99.9% of the operation was below 50.7 Mc. and most of the stations did not tune sufficiently to hear me. All in all, it was a lot of fun — but please tell everyone to 'remember the second MegaHertz' on 6 meters!" — WA1EHO. "In these days of incentive licensing I expected more c.w. in the contest." — W1EXZ. "What? Maine section not needed? Very few stations beaming northeast!" — K1EPO. "My beam was frozen in the north. Bad snowstorm and too many outside activities." — W1JSM. "The final blew (no spare), rotator froze, and after these were corrected, poor band condx. Old Man Murphy rang in the New Year!" — W1DZA. "Thank goodness for K2HLA!" — WN1IQJ. "It was a real pleasure to work WA4LTS and W8PT/4 in S.C. on 50-M. iono scatter." — W1HDQ. "We enjoyed the sporadic-E — please include more in the next contest." — WA6JYK. "TVI cut down on operating time but did work the Es opening." — WA6OVM. "Try explaining to teachers why you're so tired Monday." — WB2UAQ/2. "Our newly-formed Interstate V.h.f. Society will operate all ARRL-sponsored v.h.f. contests." — WB2WIK. "Conditions were way off, as shown by only 10 sections worked (17 in September contest)." — W2AQ/T. "W1-land (Vt., N.H., Me.) seemed to be at an all-time contest low. About 70% of all contacts were on s.s.b. — glad to see the increase." — WA2PBN. "Like every V.h.f. Sweepstakes, it was most interesting and a lot of fun. There were a few openings to the west and south, but they were very short." — WA2PNF. "One of the most enjoyable experiences in my so-far-short amateur career." — WA2BCY, opr. at WA2CVS. "Lack of activity below 145 Mc. is appalling." —

## CLUB SCORES

Club	Score	Entries	Certificate Winner
Mt. Airy V.H.F. Radio Club (Pa.)	742,811	95	W3MFY
Rochester V.H.F. Group (N.Y.)	253,185	122	W2UTH
South Jersey Radio Association	233,631	45	W2REB
Albany Amateur Radio Association (N.Y.)	96,162	56	K2CBA
Mobil Sixers Radio Club (Pa.)	82,299	27	W3IZU
Hampden County Radio Assn. (Mass.)	42,796	30	K1ANF
Dayton Amateur Radio Assn. (Ohio)	35,848	20	W8KKF
Talcott Mountain U.H.F. Society (Conn.)	35,759	14	K1HTV
Six Meter Club of Chicago	34,029	16	K9ENZ
Rock Creek Amateur Radio Assn. (Md.)	30,980	24	W3HB
Germantown Radio Club (Pa.)	30,104	8	WA3HGW
1200 Radio Club (Mass.)	21,793	13	K1CHY
Alexandria Radio Club (Va.)	20,196	9	K4SUM
Southern California V.H.F. Radio Club	19,729	8	WA6WKF
Ranconas Valley Amateur Radio Assn. (N.J.)	15,934	5	WB2LZW
Vienna Wireless Society (Va.)	13,458	11	K4YCH

Club	Score	Entries	Certificate Winner
Villanova University Amateur Radio Club (Pa.)	12,836	3	WA3HGX/3
Hartford County Amateur Radio Assn. (Conn.)	12,537	9	W1HDQ
Springfield Amateur Radio Club (Ohio)	11,814	9	K8DEO
Dutchess County V.H.F. Society (N.Y.)	11,760	3	.....
East Coast V.H.F. Society (N.J.)	11,240	5	K2QJD
Six Meter Club of Dallas	10,376	5	WA5PWJ
Central Michigan Amateur Radio Club	9,910	5	K8WEX
Greater Pittsburgh V.H.F. Society	8,260	8	WA3ISY
Mid-Hudson V.H.F. Society (N.Y.)	6,688	3	K2BGU
Skokie Six Meter Indians (Ill.)	6,371	8	WA9PIY
Lake Success Radio Club (N.Y.)	5,708	4	W2TUK
Argonne Amateur Radio Club (Ill.)	5,140	9	K9HPW
York Radio Club (Ill.)	4,976	3	WA9NRI
Fulton Amateur Radio Club (N.Y.)	4,258	9	WA2SOO
Mid-Island Radio Club (N.Y.)	3,340	3	W2SEU
Scarborough Amateur Radio Club	3,184	6	VE3ERQ
Sacramento Amateur Radio Club	1,652	3	W6MIW

Five entrants from the Six-Meter Club of Dallas were paced by contest chairman **WA5PWJ**, whose 3104 points was good for third-high for the West Gulf Division.

**W2KXG**. "Conditions on band were worst in a long time. W1s and W4s were quite weak except for a few times when S9 signs were heard. Also found that the stations in W.Va. don't know that Techs can copy code, because I heard beautiful signs. Stations in E.P.A led the pack, with K31PM and WA3CAG having S9 signs the whole contest." — **WB2DIN**. "Anyone who didn't use c.w. sure missed a lot of sections." — **K2HLA**. "Had much fun, as usual, but it seemed that bands (144 and 220 Mc.) were quite closed. 220 just had a plain lack of activity. Two meters was — well, DX signals were way down from normal; very slow QSB noted during c.w. operation. Many c.w. contacts were made with a kw on 2." — **K2DNR**. "All the equipment here is 10 years old or more and still going strong, but for the first time in a contest I used c.w. to grab a couple more sections. Next time I may try working c.w. only, to see what the little 25-watter will do." — **W2IP**. "Heard the s.s.b. stations working stuff like crazy, but could not hear any of it on the old a.m. rig." — **WA8RCN**. "In spite of lousy wx, activity was low — everyone skiing?" — **WA8TYF**. "Had to work both days. (I mean like on my job, hi.) Wasn't able to use v.f.o. due to having no room on operating table for it. Trying to break other stations with only two xtals is not easy." — **WA8EOW**. "Where was everybody?" — **WA8UDE**. "Was a shame for a good aurora to occur less than 24 hours before the contest began — sure needed one with the lousy tropo on two during the contest. Lots of fun anyway." — **WA8RQJ**. "I transmitted 35 contacts on s.s.b. and 5 on a.m. I received 5 on a.m., 1 on c.w., 34 on s.s.b. Looks like s.s.b. has taken over for good." — **WB4ASA**. "Heard stations from California to New York. Most must have been looking in other direction, as it was difficult to work them." — **WA5SER**. "After having quite a serious go-around with the flu bug, which



ended up in my throat, I started off in the contest feeling and quite unmistakably sounding like the rest would at finish time." — **K9LSB**. "Disappointed with the lack of c.w. activity. Several times I tried scaring up c.w. activity at the low end of 2 but no one was around." — **K9AWY**. "Local turnout poor, skip conditions unstable, only s.s.b. men were heard QSOing out-of-state skip: where was the a.m. group?" — **WA9FIY**. "Worked all call-areas on 50 MHz but missed usually reliable sections N.C. and Tenn. Was surprised to work W. Fla. section on iono-scatter — WFLs usually completely absent here." — **W3KWH**. "For a contest weekend, this was the deadest we ever saw." — **WB2VPY**. "The excitement is this my first v.h.f. contest was too much for me, and my doctor advises me to stack a couple of 2-meter beams for additional transmit power as a prescription to create a tranquilizing effect on my nervous system for the next Test." — **WB2RXS**. "Really enjoyed this contest. A 10-15-20-meter quad does great on 6!" — **WA3GBD**. "Almost fell off my chair when a Nebraska station answered my CQ SS." — **WA3ELA**. "Why can't six meters always be this active?" — **WA3HGK**/3.

**QST**

### Scores

In the tabulation to follow, scores are listed by ARRL divisions and sections. Unless otherwise noted, the top scorer in each section receives a certificate award. The highest-scoring Novice also receives a certificate in each section where at least three such licensees submitted valid contest logs. In sections with fewer than 3 Novice entries, a certificate will be awarded to the highest scoring Novice displaying exceptional effort; asterisks denote WN winners. A double asterisk denotes a headquarters staff member, ineligible for an award. Columns indicate final score, number of contacts, number of different sections worked, and the bands used. A represents 50 Mc., B 144 Mc., C 220 Mc., D 420 Mc. Multioperator stations are shown at the end of each section tabulation.

ATLANTIC DIVISION	WA3BIV 12,204-339- 8-ABC	WA3IMT 6810-227- 5-AB	WA3HET 4020-134- 5-A	K3DLS 1272- 53- 2-ABC
<i>Delaware</i>	K3GAS 11,932-314- 9-ABCD	W3FGQ 6750-225- 5-AB	K3KUB 3825-128- 5-AB	WA3GNV 1248- 52- 2-B
W3CGV 9296-166-18-ABCD	K3DUC 11,894-313- 9-AB	K3QMK 6307-186- 7-AB	WA3GNL 3796-146- 3-A	W3HKZ/3 1170- 45- 3-A
K3URP 1856- 58- 6-A	W5NFD/3 11,077-293- 9-AB	W3BBC 6290-185- 7-AB	K3TPM 3648-114- 6-B	K3DAQ 1032- 44- 2-A
K3OBU 1800- 50- 8-B	K3CQJ 10,020-290- 9-ABC	WA3ADN 6290-185- 7-AB	W3KXH 3456-144- 2-A	K3GAY 1022- 37- 4-A
K3FFD 364- 13- 4-A	W3SAO 10,812-318- 7-ABC	WA3EHT 6132-219- 4-AB	K3AFY 3416-123- 4-A	WA3EKM 884- 34- 3-A
<i>Eastern Pennsylvania</i>	W3CGX 10,744-316- 7-ABC	W2AJF 5820-194- 5-ABD	K3VEQ 3354-129- 3-ABC	WA3IOK 884- 34- 3-A
W3MFY 52,910-715-27-ABCD	W3CJU 10,744-316- 7-ABCD	K3ZPO 5792-194- 5-AB	K3HNH 3328-104- 6-A	WA3EKM, 997- 854- 33- 3-A
WA3CAG 38,480-520-27-ABC	W3MVF 10,374-273- 9-ABC	K3TEP 5740-203- 4-AB	K3UZO 3220-115- 4-AB	WA2AMB/2 720- 30- 2-A
K3IPM/3 34,304-536-22-ABCD	K3ZPN 10,225-205-15-A	W3BRV 3180-132- 2-AB	W3ZRR 3180-132- 2-AB	W3GXB 576- 24- 2-C
W3LHF 24,246-449-17-ABC	K3ACR 9042-206-12-A	W3HKZ 5328-148- 8-ABCD	W3HNB 3068-118- 3-AB	K3GFX/3 4380- 20- 2-A
W3CL 20,800-416-15-ABC	K3HSN 8976-281- 6-ABC	W3QXV 5085-170- 5-A	K3CIV 3024-126- 2-AB	K3GZT 442- 17- 3-A
W3KKN 19,338-440-12-ABC	K3KTY 8896-278- 6-AB	K3WEU 5070-169- 5-A	W3WJX 2865- 96- 5-AB	K3YDZ 432- 18- 2-A
W3HFY 18,496-272-24-ABCD	K3EOD 8240-258- 6-AB	K3YPL 5070-169- 5-A	W3WIJ 2860-100- 3-A	WA3BKP 420- 15- 4-A
K3IUV 16,016-364-12-ABCD	K3KVS 8194-241- 7-ABC	WA3CND 5200-200- 3-AB	W3GS 2240- 80- 4-A	WA3FOF 360- 15- 2-B
WA3CQO 15,180-345-12-ABC	WA3HIT 7700-275- 4-AB	WA3CFG 5096-182- 4-A	K3CFG 2232- 93- 2-A	W3IHT 330- 15- 1-A
K3JJZ 14,076-391- 8-ABCD	K3IGX/3 7581-200- 9-A	WA3EY 4844-173- 4-AB	WA3EY 2112- 88- 2-B	W3ESL 264- 11- 2-A
K3UJD 13,904-316-12-ABCD	K3AQH 7560-210- 8-AB	WA3BTE 4760-140- 7-AB	K3AA 1960- 70- 4-A	W3HAB 240- 10- 2-B
W3IZU 13,314-317-11-ABC	K3BOY 7500-250- 5-AB	WA3ERQ 4758-183- 3-AB	W3HYO 1960- 70- 4-B	K3QMK/3 198- 9- 1-A
K3BPP 12,782-291-12-ABCD	K3NMN 7480-220- 7-AB	K3ATL 4640-119-10-A	K3EHA 1428- 51- 4-AB	W3BBC/3 176- 8- 1-A
	WA3HGK/3 7232-226- 6-A	K3QGQ 4500-150- 5-A	K3ZKO 1404- 54- 3-AB	WA3IVY/3 176- 8- 1-A
	WA3AXV 7140-210- 7-ABD	K3EPB 4452-159- 4-AB	K3ZMS 1400- 50- 4-	WA3EWT 120- 5- 2-B
	W3ETB 6984-194- 8-A	WA3OBY 1344- 48- 4-A	WA3BGM 1344- 48- 4-A	K3GQJ/3 88- 4- 1-A
	W3CXU 6840-171-10-AB	W3ELI 4290-165- 3-AB	WA3EIO 1344- 48- 4-A	K3YFD (6 oprs.) 10,438-307- 7-AB
		W3EMQ 4260-142- 5-AB	K3IFH 1320- 55- 2-A	W3GEW, K3NDA, W3CEW 10,064-296- 7-AB
			K3ALK 1272- 53- 2-A	W3CLO (K3DLS, W3CLO) 7657-202- 9-AB
				K3WGK (K3s WGJ WGK) 6732-187- 8-ABC

K3WGJ (K3s WGJ) W3PGA (6 oprs.)  
 WKG 6324-186- 7-ABC K3ERM/3 (K3s ARN)  
 K3WEB/3 (8 oprs.) OPB UHY) 4074- 97-11-ABD  
 3120- 78-10-AB W3NSI (W3s NSI QAS) WA3GDB (WA3s GDB)  
 3104- 97- 6-ABC GLP) 2835- 95- 5-AB  
 W3QAS (W3s NSI QAS) Southern New Jersey  
 2720- 85- 6-ABC  
 WA3GFZ (K3WJB, W3A3GFZ) 25.926-448-19-ABCD  
 2424-101- 2-A W2REB 24.696-344-26-AB  
 WA3HVR (WA3s ADK FWLHVR) WB2MTU 22.572-513-12-AB  
 2400-100- 2-A W2EEMB 18.225-339-17-ABD  
 W3DYL (W3DYL, WA3EVU) 2100- 75- 4-AB W2AXU  
 16.128-224-26-AC  
 Maryland — D. C.  
 WA3ELA 3914-103- 9-AB W2BV  
 2.250-225-15-B  
 K2B1X 10.440-261-10-AB  
 WA3ELO 3712-116- 6-AB W2OQN 8908-262- 7-AB  
 W3HB 3572- 94- 9-AB WB2IOE 3840-260- 7-ABD  
 WA3HEN 3270-109- 5-AB WB2UVB 7786-229- 7-AB  
 W3OTC 2992- 94- 6-AB WB2NOK 7740-258- 5-ABC  
 W3LUL 2720- 80- 7-B WB2ZUL 7456-233- 6-AB  
 WA3GBW 2628- 76- 8-B W2EWN 7310-215- 7-AB  
 K3FPE 2520- 90- 4-AB WA2OOA  
 WA3IL0 2002- 77- 3-AB 5018-193- 3-ABC  
 W3MNE 1980- 55- 8-B WB2YXP 4760-140- 7-AB  
 W3CPM 1612- 62- 3-B W2JAV 7200-200- 8-ABC  
 W3PIH 1586- 61- 3-B WB2SMJ 6672-209- 6-AB  
 WA3EQO/3 1586- 61- 3-B WB2YEH 6570-219- 5-AB  
 W3MBH 1534- 59- 3-B WB2OAD 5550-111-15-A  
 W3PZK 1392- 58- 2-B WB2LWZ 5440-170- 6-A  
 K3LFN 1200- 50- 2-AB WB2BLV 5150-103-15-B  
 W3MSR 1176- 42- 4-B WB2SZK 5018-193- 3-ABC  
 W3YAG 1128- 47- 2-B WB2VX 4760-140- 7-AB  
 WA3BMM 1104- 46- 2-AB WB2YXP 3480- 87-10-A  
 W3KUH 1066- 41- 3-B WB2CEX 3302-127- 3-A  
 W3BNL 858- 33- 3-B WB2PZF 3192-133- 2-AB  
 W3CEB 780- 33- 2-B WB2QPN 4370-115- 9-A  
 W3AIR 748- 22- 7-B K2QPM 4370-115- 9-A  
 K3RWY 720- 30- 2-AB WB2MGV 4192-131- 6-AB  
 W3KVM 720- 30- 2-B WB2WRP 4160-130- 6-B  
 K3BBG 648- 27- 2-B WB2AQZQ 4020-132- 5-A  
 K3LZX 600- 25- 2-A WB2CEX 4020-132- 5-A  
 K3GMB 576- 24- 2-AB WB2FOC 3480- 87-10-A  
 W3FNU 528- 22- 2-B WB2PZF 3302-127- 3-A  
 W3AX 480- 20- 2-B WB2AQOC 3192-133- 2-AB  
 WN3JAS 456- 19- 2-B WB2QJ 3198-123- 3-AB  
 K3MUJ 360- 15- 2-AB WA3AKZ (WA3s AKZ (HBS) WB2EIJ 3120-120- 3-AB  
 10,856-236-13-AB 2898- 69-11-A

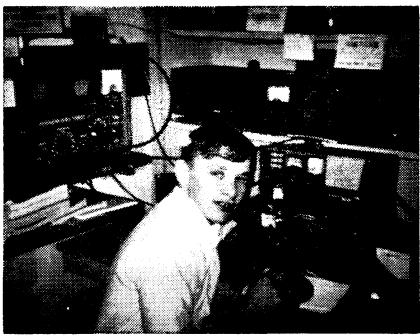


**W4TBQ** utilized this neat setup, plus 4 elements at 60' on six and 7 elements at 35' on two, to take third spot in Virginia.

## DIVISION LEADERS

Single Operator	Multioperator
W3MFY	Atlantic
K9QKB	Central
K0DTA	Dakota
WA5NOB	Delta
K8DOC	Great Lakes
WA2PBW	Hudson
W9ECV/0	Midwest
K1MRI	New England
W6PUZ/7	Northwestern
WB6UYG	Pacific
K4SUM	Roanoke
K7UFQ	Rocky Mt.
K4WHW	Southeastern
WA6WKF	Southwestern
K5IPV	West Gulf
VE3ASO	Canadian

WA2HVD	WB2MPM	WA2UFW
WB2UEV	4830-161- 5-AB	1760- 80- 1-AB
2160- 90- 2-AB	W2ALL 4755-159- 5-AB	W2BPE 1742- 67- 3-B
W2ORA	WA2TEY	WB2INN
2028- 73- 3-AB	4140-138- 5-AB	1738- 79 1-AB
W2PU (WB2CHO, opt.)	WB2VVG 3978-153- 3-AB	WB2SNA
1920- 60- 6-	WB2QY 3960-165- 2-AB	1738- 79 1-AB
WB2EEH	WB2ADN 3822-147- 3-AB	WB2KWZ
1920- 60- 6-AB	WB2BOC 3640- 91-10-A	K2JL 1716- 78- 1-AB
WB2LXA	WA2KND	WB2YJH 1606- 73- 1-AB
1898- 73- 3-A	3432-143- 2-ABD	WB2DKA
WB2ICB	K2B8J 3380-130- 3-AB	1562- 71- 1-A
1728- 72- 2-A	WB2CNS/2	WB2UDV
K2SQM 1540- 55- 4-A	3336-139- 2-ABD	1474- 67- 1-A
WB2SPJ 1536- 64- 2-A	WA2YPT	WA2YRH
WB2EFL	3264-136- 2-AB	1452- 66- 1-ABD
1530- 51- 5-A	WA2ZNC	WB2DWP
K2DFE 1500- 50- 5-AB	K2JA 3192-133- 2-AB	1430- 65- 1-A
WB2MNM	K2WW 3072-128- 2-AB	WA2AQW
1368- 57- 2-A	WA2KVN	1386- 63- 1-A
WB2ZMY	3072-128- 2-AB	K2UOA 1364- 62- 1-A
1274- 49- 3-B	WB2YHD	WB2DC
WB2VMD	3072-128- 2-AB	1342- 61- 1-A
1272- 53- 2-A	WB2JFL 3048-127- 2-AB	K2SQI 1320- 60- 1-A
WB2ZJR	K2YRZ/2	WB2KUY
1118- 43- 3-B	3002- 79- 9-B	1320- 55- 2-B
K2MKD 1040- 40- 3-B	WA2GCF	WB2FAN
K2IEO 1008- 42- 2-B	2992-136- 1-AB	1298- 59- 1-A
K2BG 984- 41- 2-B	WA2YTK	WB2NXL
W2LZA 962- 37- 3-BC	2970-135- 1-AB	WB2HJN
WA2DIN	K2RZI 2882-131- 1-AB	1276- 58- 1-A
924- 33- 4-A	WB2MAC	W2SFA
WN2BXJ/2	2882-131- 1-AB	1254- 57- 1-B
864- 36- 2-B	WB2MAE	WA2SCO
WB2FOC 830- 35- 2-B	2856-102- 4-A	1200- 50- 2-AB
WN2DBB/2	WB2NFY	WB2RVV
816- 34- 2-B	2756-106- 3-A	1188- 54- 1-A
K2OHM 624- 26- 2-A	W2YBZ 2750-125- 1-AB	WB2WBZ
W2SDB 384- 16- 2-B	K2RHS 2684-111- 2-A	1188- 54- 1-B
WB2GPH 384- 16- 2-B	WA2LHM	W2ECM
WB2MNF	2574-117- 1-AB	1144- 52- 1-B
336- 14- 2-B	WB2HJM	WB2WGL
W2BQ	240- 10- 2-A	1140- 30- 9-B
W2HBE	88- 8- 1-B	K2TFO
K2QJ/2	48- 2- 2-A	1122- 51- 1-A
WA2MGV/2	WA2FVG	WA2YFM
44- 2- 1-A	2486-113- 1-AB	1122- 51- 1-A
WB2UVB/2	WA2HWC	WB2ZYY
44- 2- 1-A	2464-112- 1-AB	1122- 51- 1-A
WB2KYO/2	WB2HLI	WB2UAD
22- 1- 1-A	2442-111- 1-AB	1104- 46- 2-B
W2PAU (W2s ESX PAU, WA2HSP)	W2RIS 2424-101- 2-AB	K2QWC
20,462-395-16-AB	K2CEH 2340- 65- 8-BD	1100- 50- 1-A
WB2MOQ/2 (WB2s MOQ ZGR)	WB2LZM	W2RUJ
7424-232- 6-AB	2332-106- 1-AB	1078- 49- 1-B
WB2YCYZ (WA2WTC, WB2s JEP YCZ)	WB2ZFS 2244-102- 1-AB	K2FOG
7072-221- 6-AB	WB2QXB	1067- 50- 1-A
K2MIO (K2s MIO RRC)	2200-100- 1-AB	WB2SMID
2009- 209- 6-AB	K2JY 2136- 89- 2-A	1056- 48- 1-B
W2BAY (W2s BAY FVS)	W2DNS 2136- 88- 2-A	WA2UGE
6450-215- 5-ABC	WB2MDC	1034- 47- 1-A
WN2BVV/2 (opt.)	2134- 97- 1-AB	K2DHA
5814-12- 7-B	WB2FDZ	990- 45- 1-B
WA2KWS (WA2s KWS OAA)	2064- 86- 2-A	WA2ZEA/2
4288-134- 6-AB	K2LZ 2040- 85- 2-A	998- 44- 1-B
WB2ALW	2022- 91- 1-AB	WB2RXS
15,624-252-21-ABD	K2YQ 1920- 80- 2-A	960- 32- 5-B
K2ISI 11,388-219-16-AB	WB2TJS 1914- 87- 1-A	WA2VSG
K2YCO	K2GMZ 1892- 86- 1-AB	946- 43- 1-B
10,464-218-14-ABD	K2YMM 1848- 77- 2-AB	WB2ZYT
W2EDI 5652-157- 8-AB	WA2GIA	924- 42- 1-B
WA2THS/2	1830- 61- 5-A	K2MAJ
5566-121-13-AB	WA2CJP	902- 41- 1-A
Western New York	2002- 91- 1-AB	K2YQT
WA2ALW	WA2ALW	880- 40- 1-A
WB2UTH	1920- 80- 2-A	WB2WZG
15,624-252-21-ABD	WB2TJS 1914- 87- 1-A	890- 40- 1-B
K2ISI 11,388-219-16-AB	K2GMZ 1892- 86- 1-AB	WB2IUI
K2YCO	K2YMM 1848- 77- 2-AB	858- 39- 1-A
10,464-218-14-ABD	WA2GIA	WA2AAI
W2EDI 5652-157- 8-AB	1800- 75- 2-A	816- 38- 1-B
WA2THS/2	WA2CJL	K2UCI
5566-121-13-AB	WA2CJL	748- 34- 1-A
WA2ALW	WA2ALW	WB2MBP
WB2UTH	1920- 80- 2-A	748- 34- 1-B
15,624-252-21-ABD	WB2TJS 1914- 87- 1-A	WA2ZYH
K2ISI 11,388-219-16-AB	K2GMZ 1892- 86- 1-AB	726- 33- 1-B
K2YCO	K2YMM 1848- 77- 2-AB	K2DUR
10,464-218-14-ABD	WA2GIA	704- 32- 1-A
W2EDI 5652-157- 8-AB	1800- 75- 2-A	K2VYH



It isn't easy from Oregon, either! **WATFNZ** stuck to 50 Mc. in this his first contest—Joe had a ball with his Elmac AF68A and 6-element beam turned by rope.

**WB2KYQ** 690- 23- 5-B  
**WA2YEK** 682- 31- 1-A  
**K2ZNC** 660- 30- 1-A  
**W2WWO** 616- 28- 1-B  
**WA9LQG/2**

594- 27- 1-B  
**WB2FPT** 594- 27- 1-B  
**WB2QGL** 572- 26- 1-A  
**WB2QGB** 561- 26- 1-A  
**K2UBA** 550- 25- 1-A  
**WA2GVH** 528- 25- 1-B  
**WB2JYK** 523- 23- 1-A  
**K2WKW** 462- 21- 1-A  
**K2KPC** 469- 21- 1-A  
**WA2ZUX** 440- 20- 1-A-B  
**WB2JTN** 440- 20- 1-A-B  
**WB2ZYI** 440- 20- 1-A-B  
**K2ZFY** 396- 18- 1-A-B  
**WA2GRT** 396- 18- 1-A-B  
**WB2ZDP** 360- 15- 2-A  
**WN2BPH\***

352- 16- 1-B  
**K2HDY** 330- 15- 1-A  
**W2ICE** 308- 14- 1-AB  
**WA2BXT** 286- 13- 1-A  
**K2YRU** 242- 11- 1-A  
**WN2AWX**

240- 10- 2-B  
**WN2CJO** 220- 10- 1-B  
**K2ACQ** 182- 7- 3-D  
**WB2QFI** 176- 8- 1-A  
**WB2SER** 132- 6- 1-A  
**WN2BSG** 110- 5- 1-B  
**W2OW** (15 oprs.)  
 6250-125-15-AB

**K2ERQ** (10 oprs.)  
 4000-100-10-AB  
**W2TRS/2** (W2TRS,  
 WA2YQO)

2208- 92- 2-AB  
**WB2VPY** (13 oprs.)  
 1736- 62- 4-A

*Western Pennsylvania*  
**W3KWH** 23,445-261-35-AB  
**WA3ISY** 3040- 80- 9-AB  
**WA3BAK** (W3BWU,  
 opr.) 1802- 53- 7-AB  
**K3FGQ** 1008- 36- 4-AB  
**W3DJM** 784- 28- 4-A  
**K3WNZ** 520- 20- 3-A  
**K3TPP** 420- 15- 4-AB  
**K3QBI** 374- 17- 1-A  
**K3FIW** 312- 13- 2-A  
**K3HKK** (K3s AKR  
 CXZ RHB)  
 12,654-171-27-ABD

## CENTRAL DIVISION

*Illinois*  
**K9QKB** 9240-220-11-ABC  
**K9RVG** 6800-200- 7-B  
**WA9JKT** 5775-193- 5-AB  
**WA9FGK** 5256-146- 8-ABC  
**WN9NW** 5120-160- 6-B  
**W9VWY** 5120-160- 6-B  
**WN9UHB\*** 5120-160- 6-B  
**WA9RNQ** 5088-159- 6-B  
**K9TSQ** 4956-177- 4-B  
**WA9OZC** 4896-153- 6-B  
**WA9TMG** 4800-150- 6-AB  
**W9IPO/9** 4480-160- 4-B  
**WA9SOC** 4160-160- 3-AB  
**K9ENZ** 4147-160- 3-AB

**K9YHB** (WA9EJD, opr.)  
 902- 41- 1-A  
**K9AWV** 896- 32- 4-B  
**WA9SDT** 864- 36- 2-AB  
**W9TOY** 840- 35- 2-B  
**WA9QHI** 748- 34- 1-AB  
**W9YOW** 660- 30- 1-A  
**WA9BMC**

660- 30- 1-A  
**WA9SVF/9** 650- 25- 3-B  
**WA9KIO** 649- 30- 1-AB  
**WA9RIF** 638- 29- 1-B  
**WA9CEM** 624- 26- 2-B  
**WA9WIX** 600- 25- 2-B  
**W9BDL** 480- 26- 2-A  
**W9GWT** 456- 19- 2-B  
**WA9BBZ** 456- 19- 2-B  
**WA9WVJ** 452- 16- 1-A  
**W9AVE/9**

330- 15- 1-B  
**W9ZYL** 364- 12- 1-B  
**WA9TWA**

198- 9- 1-B  
**K9FHM** 176- 8- 1-AB  
**W9ZEW** 176- 8- 1-AB  
**WA9SKJ** 88- 4- 1-A  
**WA9GVE** 66- 3- 1-AB  
**WA9FIH/9**

44- 2- 1-A  
**K9MFE** (4 oprs.)  
 6800-200- 7-AB  
**WA9JYR** (G3PAC,  
 W8PSO)

6244-223- 4-AB  
**W9MCG** (W9s MCG  
 RVG)

5408-169- 6-ABC  
**WA9QZE** (WA9s  
 QZE TCW) 2756-108- 3-B  
**WA9QAD** (WA9s  
 QAD UQJ) 2328- 97- 2-B

*Indiana*  
**W9HTF** 3304-118- 4-B  
**WA9ONY**

2034- 58- 3-B  
**WA9NLA**

1568- 56- 4-B  
**K9EFX** 1056- 45- 2-B  
**WA9UUE** 990- 34- 3-A  
**WA9CRK** 792- 33- 2-B  
**WA9UQJ** 756- 32- 2-B  
**K9LSB** 480- 16- 5-A  
**K9QCB**

448- 16- 4-ABCD  
**WN9UNK**

336- 14- 2-B  
**K9JZT** 312- 12- 3-A  
**K9DZK** (K9DZK,  
 WA9F9A)

26,520-342-29-AB  
**W9BZN/9** (9 oprs.)

3654- 63-19-A  
**W9YTF** (K9OXY, opr.)  
 2478- 59-11-AB

*Wisconsin*  
**W9IYQ** 3984- 83-14-AB  
**WA9HNJ**

3654- 63-19-A  
**WA9RTH**

2054- 79- 3-AB  
**WA9POV** 484- 22- 1-AB  
**WA9ULK** 374- 17- 1-A  
**WA9MCC**

242- 11- 1-B  
**WA9EZU** 55- 5- 1-A  
**K9IFF** (6 oprs.)

11,492-169-24-AB  
**WA9SVD**

1568- 57- 4-A  
**WA9FIY** 1560- 65- 2-A  
**K9VUR** 1428- 51- 4-B  
**W9ETK** 1428- 51- 4-B  
**WA9MSZ**

1428- 51- 4-B  
**K9BDJ** 1394- 41- 7-AB  
**WA9VXO**

1378- 53- 3-B  
**W9RPH** 1352- 52- 2-AB  
**K9TUN** 1326- 51- 3-B  
**WA9VKX**

1326- 51- 3-B  
**WA9EEG**

1320- 55- 2-AB  
**WA9QOI** 1272- 53- 2-B  
**K9SYA** 1248- 52- 2-A  
**K9VKF** 1248- 52- 2-B  
**WA9NPF**

1248- 52- 2-AB  
**W9CVX** 1200- 50- 2-B  
**K9DKI** 1128- 47- 2-A  
**WA9IWU**

1100- 50- 1-AB  
**K9OOG** 960- 40- 2-B  
**W9QVE** 946- 43- 1-B  
**W9SQD** 946- 43- 1-A  
**WA9KGD** 912- 38- 2-AB  
**K9FBL** 902- 41- 1-AB

## GREAT LAKES DIVISION

### Michigan

#### WA8ABT

3100- 78-20-AB

**WA8RQJ**

2610- 73- 8-B

**WA8VHG**

2460- 82- 5-B

**K8LZF** 1976- 52- 9-B

**W8CVQ** 1680- 70- 2-AB

**WA8HAA**

1540- 55- 4-AB

**WA8TSY**

1472- 46- 6-A

**WA8PST**

1368- 57- 2-AB

**WA8UDE**

1014- 39- 1-A

**K8WEX** 960- 40- 2-AB

**K8MVO** 952- 34- 4-AB

**WA8QBG** 864- 36- 2-A

**WA8EOW**

702- 27- 4-A

**W8CKK** 672- 28- 2-AB

**K8SNB** /8 624- 25- 3-A

**K8UDJ** 480- 20- 2-A

**W8WVU** 264- 12- 1-B

**K8AJC** 198- 9- 1-A

**WA8USU** 22- 1- 1-B

**W8BQD** (4 oprs.)

7000-140-15-AB

*Ohio*

**K8DOC** 9972-139-26-AB

**W8KRF** 7296-192- 9-AB

**W8MOW**

6048-168- 8-AB

**WA8HPY**

4023- 76- 17-A

**WSNEE** 3780-105- 8-AB

**WA8REM**

3458- 91- 9-AB

**K8OWB** 3276-126- 3-AB

**W8JRN** 3248-102- 6-AB

**K8DEO**

3060- 85- 8-ABD

**WA8STX**

3030-101- 5-AB

**K8TWT** 2940-105- 4-B

**WA8TYF**

2755- 73- 9-AB

**K8MHJ** 2128- 76- 4-AB

**K8HRH** 2112- 66- 6-AB

**WA8AUO**

2100- 70- 5-A

**WA8BOB**

2080- 80- 3-AB

**K8GDV** 1778- 64- 4-AB

**WA8HVK**

1632- 68- 2-B

**WN8YYV\***

1200- 50- 2-B

**W8WAU** 1196- 46- 3-B

**WA8IKN**

1152- 48- 2-AB

**K8VAK** 1056- 48- 1-AB

**W8DPW** 1056- 44- 2-AB

**WA8LYM**

988- 37- 2-B

**WA8CZF** 984- 41- 2-AB

**WA8RUO** 936- 36- 3-B

**WA8WJV**

884- 34- 3-A

**K8IIH**

864- 36- 2-B

**K8ADI**

858- 33- 3-AB

**W8RLY** 792- 33- 2-B

**W8MCW** 682- 31- 1-B

**WA8UYM**

616- 28- 1-B

**WA8FZS** 552- 23- 2-B

**WB2WZW**

1080- 45- 2-A

**WB2ICJ** 1014- 39- 2-AB

**K2ARO** 986- 29- 2-B

**W2CDW** 936- 36- 3-AB

**W2IP** 884- 32- 2-B

**K2ACB** 858- 33- 3-AB

**K2AXX** 840- 30- 4-AB

**K2KTJ** 840- 35- 4-AB

**WA2GXM**

846- 38- 1-AB

**WB2WZW**

1036- 37- 4-AB

**WB2ICJ** 1014- 39- 2-AB

**K2ARO** 986- 29- 2-B

**W2CDW** 936- 36- 3-AB

**W2IP** 884- 32- 2-B

**K2ACB** 858- 33- 3-AB

**K2AXX** 840- 30- 4-AB

**K2KTJ** 840- 35- 4-AB

**WA2GXM**

846- 38- 1-AB

**WB2WZW**

1036- 37- 4-AB

**WB2ICJ** 1014- 39- 2-AB

**K2ARO** 986- 29- 2-B

**W2CDW** 936- 36- 3-AB

**W2IP** 884- 32- 2-B

**K2ACB** 858- 33- 3-AB

**K2AXX** 840- 30- 4-AB

**K2KTJ** 840- 35- 4-AB

**WA2GXM**

846- 38- 1-AB

**WB2WZW**

1036- 37- 4-AB

**WB2ICJ** 1014- 39- 2-AB

**K2ARO** 986- 29- 2-B

**W2CDW** 936- 36- 3-AB

**W2IP** 884- 32- 2-B

**K2ACB** 858- 33- 3-AB

**K2AXX** 840- 30- 4-AB

**K2KTJ** 840- 35- 4-AB

**WA2GXM**

846- 38- 1-AB

**WB2WZW**

1036- 37- 4-AB

**WB2ICJ** 1014- 39- 2-AB

**K2ARO** 986- 29- 2-B

**W2CDW** 936- 36- 3-AB

**W2IP** 884- 32- 2-B

**K2ACB** 858- 33- 3-AB

**K2AXX** 840- 30- 4-AB

**K2KTJ** 840- 35- 4-AB

**WA2GXM**

846- 38- 1-AB

**WB2WZW**

1036- 37- 4-AB

**WB2ICJ** 1014- 39- 2-AB

**K2ARO** 986- 29- 2-B

**W2CDW** 936- 36- 3-AB

**W2IP** 884- 32- 2-B

**K2ACB** 858- 33- 3-AB

**K2AXX** 840- 30- 4-AB

**K2KTJ** 840- 35- 4-AB

**WA2GXM**

846- 38- 1-AB

**WB2WZW**

1036- 37- 4-AB

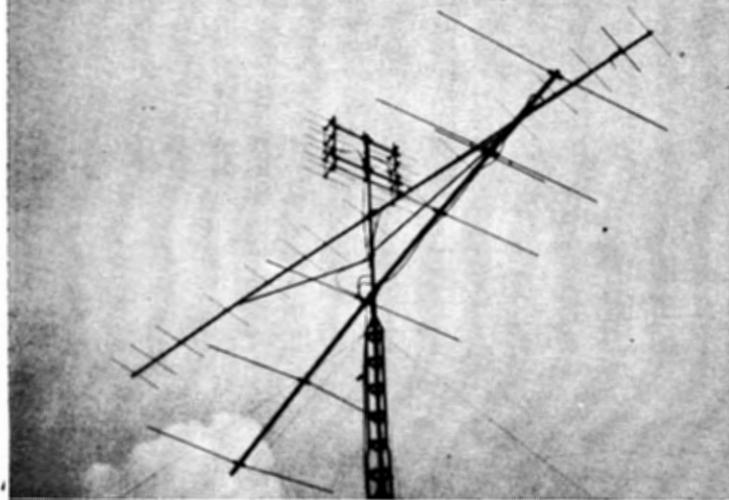
**WB2ICJ** 1014- 39- 2-AB

**K2ARO** 986- 29- 2-B

**W2CDW** 936- 36- 3-AB

**W2IP** 884- 32- 2-B

**K2ACB** 858- 33- 3-AB



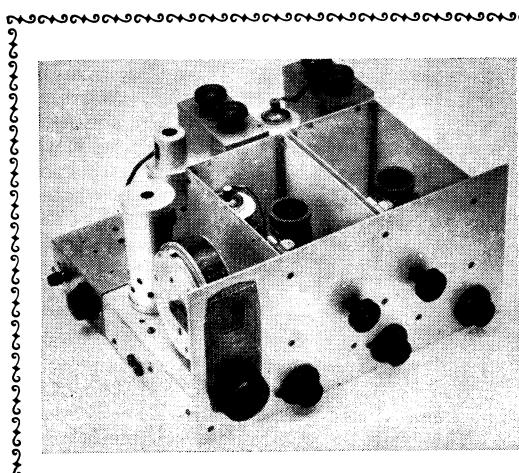
Some of the hardware used on 50, 144 and 432Mc. by **WA5KPU** to roll up the top score in Southern Texas. Dick, ex-K1IGY, threatens to return to Mass. if he doesn't get some local competition pretty soon!

WB2PUH	819- 32- 3-AB	W2TUK	3816-106- 8-AB	K1TZD	240- 10- 2-B	WØIPB/Ø	1900- 50- 9-AB	<b>Rhode Island</b>	
W2AWF	784- 28- 4-B	WB2UZU	3492- 87- 8-AB	K1OXU	144- 6- 2-A	WØSPF	398- 18- 1-AB	W1EYH (K1PLP, opr.)	
K2UKE	782- 23- 7-B	K2RLW	3136- 99- 6-B	WA1FJF	44- 2- 1-A	WAØJYK	(7 oprs.)	11,160-180-21-A	
WA2BAH	728- 28- 3-AB	WN2DBA*	3008- 94- 6-B	WA1IOX (K1TZD, WA1CYT IOX)	6279-137-13-AB	9520-136-25-AB	W1POP 4242-102-11-AB		
WA2KCB/2	704- 32- 1-AB	3008- 94- 6-B	W1AW (W1ARR, WA1FVJ)**	WØDSW	1728- 72- 2-AB	<i>Missouri</i>			
WA2RWR	696- 29- 2-A	W2KXG	2180- 72- 5-B	2380- 85- 4-AB	WØTLM	3822- 74-16-A	K1GYT	3834- 71-17-AB	
K2BUF	650- 25- 3-B	W2SEU	1824- 57- 6-ABCD	WNNIIZR (WN1s ISD IZR)	1846- 71- 3-B	WØDSW	1728- 72- 2-AB	W1EXZ	120- 5- 2-AB
W2FEN	650- 25- 3-B	WA2OVG	1800- 60- 5-A	<i>Eastern Massachusetts</i>		<i>Western Massachusetts</i>			
W2HCS (K2ACB, opr.)	624- 24- 3-AB	WB2YYY	1176- 42- 4-B	WAIACD	7332-141-16-A	K1ANF	7358-141-16-AB		
W2YPN/2	576- 24- 2-AB	WB2TJE	1024- 32- 6-B	WIMM/1	4160-130- 6-A	WA1ECR			
WB2QVX	572- 26- 1-AB	WB2QAN	930- 31- 5-B	K1CHY	3690-123- 5-ABC	K1PCG/Ø	3978-117- 7-AB		
WA1GDA/2	528- 24- 1-AB	WA2EXX	900- 30- 5-B	WA1GGB	3520-110- 6-AB	W1STR	3000-100- 9-AB		
WA2JIK/2	528- 24- 1-AB	W2TN1	676- 26- 3-B	WIEUJ	3434-101- 7-AB	K1ULZ	2784- 87- 6-AB		
WB2BDG/2	528- 24- 1-AB	WB2DDL	616- 22- 4-	W1QIB	3060- 90- 7-AB	K1PYX	2728- 62-12-AB		
W2CJS	484- 22- 1-AB	W2ML	286- 13- 1-B	K1KKN1	2720- 80- 7-A	W1UFP	2632- 94- 4-AB		
K7TAZ/2 (K2UAR, opr.)	462- 21- 1-AB	W2GFF	252- 9- 4-B	WIRSR	2592- 81- 6-AB	K1DQ	2548- 91- 4-AB		
WA1FPS/2	352- 16- 1-AB	WB2PGF	22- 1- 1-B	WAIFCD	2288- 72- 6-AB	WN1HHN**			
W2HVM	338- 13- 3-B	K2VMR (8 oprs.)	26,588-391-24-AB	WA1GVH	1984- 62- 6-A	2460- 82- 5-B			
WA2OYY	330- 15- 1-AB	WA2CVS (WA2BCY, WB2WOI)	7412-218- 7-AB	WIAGN	1920- 60- 6-A	KINJC	1800- 60- 5-AB		
WB2BZE	330- 15- 1-AB	WA2PNF (WA2s KIK PNF)	3296-103- 6-AB	WAIEIH/1	1376- 43- 6-A	W1ALL	1768- 68- 3-AB		
WB2JRS	286- 12- 3-B	WA2BRA/2	220- 10- 1-AB	WAIDYU	1260- 42- 5-AB	WINY	1586- 61- 3-AB		
WA2BRA/2	220- 10- 1-AB	<i>Northern New Jersey</i>		WA1HON	1110- 37- 5-AB	W1QWJ	1540- 55- 4-BD		
WB2YEM/2	144- 6- 2-AB	WA2PBW	21,200-265-30-A	K1QYY	896- 32- 4-A	WN1IEK			
WA2YRF	132- 6- 1-B	K2QJD	7920-165-14-AB	K1CQX	788- 26- 3-A	W1IC	1196- 46- 3-AB		
W2PNI	120- 5- 2-AB	W2AQT	4840-121-10-	WA1GSF	798- 23- 3-A	K1DYL	1176- 42- 4-AB		
WA2JIK	88- 4- 1-A	WA2BLB	4032-126- 6-B	W1JSM	504- 18- 4-B	K1PMK	1066- 41- 3-B		
K2CLU	44- 2- 1-B	K3AFW/2	3488-109- 6-B	WA1BLS	476- 17- 4-A	K1LDT	1056- 44- 2-B		
WA2KCB	33- 2- 1-A	W2CVW	2265- 76- 5-AB	K1CTR	442- 17- 3-B	W1UCB	1056- 44- 2-B		
WA2PZB	22- 1- 1-A	W2CVW	35,150-475-27-ABCD	K1DUZ	405- 14- 5-A	W1VNB	1020- 34- 5-B		
W2JKI (4 oprs.)	22- 1- 1-A	K2KJL	1710- 45- 9-B	WA1AWJ/1	1260- 42- 5-AB	K1RKB	952- 28- 7-AB		
WB2VUK/2 (6 oprs.)	7680-243- 6-AB	WN2CEW*	1144- 44- 3-B	VE2DBK/W1	284- 12- 2-	W1WJV	816- 34- 2-B		
K2DNR (8 oprs.)	6000-120-15-BC	WA2VOZ	1072- 34- 6-A	W1EHHK	198- 9- 1-A	WA1DNE			
WB2YQU/2	4978-131- 9-AB	WB2VFX	1020- 34- 5-B	W1CHF	198- 9- 1-B	K1LJH (K1KQS, opr.)	792- 33- 2-B		
W2SZ (6 oprs.)	3026- 89- 7-AB	W2DLT	840- 28- 5-B	W1CMX (4 oprs.)	192- 8- 2-AB	K1BNS	780- 26- 5-A		
WB2VFK (WB2UFT, WB2FXB)	2204- 58- 9-B	WA2CMG	800- 25- 6-AB	4800-150- 6-AB	W1TVT	3200- 80-10-AB	WA1BTU/1 (W1UPH, opr.)	786- 32- 2-A	
WB2ABJ/2 (4 oprs.)	1950- 65- 5-AB	WN2AQK	741- 29- 3-B	W1IPJ (W1s BXI CHF)	2550- 51-15-B	W1IUE*	786- 32- 2-AB		
WB2MOX/2 (K1NKR, WB2MOX)	88- 4- 1-B	WA2DRX	1248- 39- 6-A	W1RNT	1760- 55- 6-AB	WA1FKE	748- 34- 1-A		
<i>N. Y. C.-L. I.</i>		K2MHP	598- 23- 3-B	K1KKK	552- 23- 2-B	K1LML	650- 50- 3-AB		
K2HLA	11,542-199-19-B	K2VNW	260- 10- 3-A	WA1DGH (K1PAM, WA1DGH)	552- 23- 2-B	K1YXX	648- 27- 2-B		
W3ANW/2	10,266-177-19-AB	WB2WIK/2	(5 oprs.)	K1PCP	544- 16- 7-B	W1UWQ	624- 26- 2-AB		
W2AAE (WB0NIK, opr.)	7904-250- 6-AB	19,282-312-21-AB	K1JFN/1	528- 22- 2-A	WA1EHWK	786- 32- 2-AB			
WB2MZM	6516-181- 8-AB	WB2WIK/2	10,428-237-12-AB	K1SXF	480- 20- 2-B	WA1IYJ	912- 38- 2-A		
WB2DIN	5334-127-11- -	WB2SBC	10,838-258-11-AB	WA1GNG	432- 18- 2-A	W1NWG/1	384- 16- 2-B		
<i>Iowa</i>		WB2TGT	12,280-309-10-AB	W1IMV/1	598- 23- 3-ABD	WA1UII	144- 6- 2-B		
WB2KHO/2 (11 oprs.)	17,440-237-12-AB	WB2QOM	1740- 30-19-A	K1QVF	264- 11- 2-ABD	K1FUA	88- 4- 1-B		
WB2MZE	17,440-237-12-AB	WB2UQAQ/2	18670-255- 7-AB	W1LVQF/1	1066- 41- 3-A	W1YK (K1FJM, WA2VFN)	572- 22- 3-A		
WB2DIN	5334-127-11- -	WB2WIK/2	21,282-312-21-AB	W1VLP	1118- 43- 3-B	W1MNG	552- 23- 2-B		
<i>Kansas</i>		WB2WIK/2	10,428-237-12-AB	W1YCP	1066- 41- 3-A	W1UKR	528- 22- 2-B		
<i>New Hampshire</i>		WB2WIK/2	10,838-258-11-AB	W1ZGZ/1	260- 10- 3-A	W1UPC	480- 20- 2-AB		
<i>MIDWEST DIVISION</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1MDM	392- 14- 4-AB		
<i>Iowa</i>		WB2WIK/2	10,838-258-11-AB	K1QVF	264- 11- 2-ABD	W5NWG/1	384- 16- 2-B		
<i>Kansas</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	WA1FJW	572- 22- 3-A		
<i>New Hampshire</i>		WB2WIK/2	10,838-258-11-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>MIDWEST DIVISION</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Kansas</i>		WB2WIK/2	10,838-258-11-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>New Hampshire</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,838-258-11-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>NORTHWESTERN DIVISION</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	K1QVF	264- 11- 2-ABD	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1LVQF/1	1066- 41- 3-A	W1WNC	552- 23- 2-B		
<i>Oregon</i>		WB2WIK/2	10,428-237-12-AB	W1WNT	260- 10- 3-A	W1WNC	552- 23- 2-B		



Working the V.h.f. SS from the San Joaquin Valley takes patience, determination, and a good rig! **WB6UYG** racked up the highest single-operator score in the Pacific Division with two stacked 6-element beams at 75' for 50 Mc. and 20 elements cross-polarized for 144. The six-meter array is shown on the right.

WN7IWU	110- 5- 1-B	W4TBQ	3026- 89- 7-AB	Wyoming	WA6ZNP	910- 35- 3-A	Ontario
K7UYX (4 oprs.)	319- 15- 1-AB	WB4HJ	2184- 84- 3-A	K7UFQ (K6QPH, opr.)	WB6SX8	336- 14- 2-B	VE3ASO 6072-132-13-B
Washington		WB4EIY	2132- 82- 3-AB		5320- 95-18-AB	Orange	VE3EZC 6050-121-15-BD
W6PUZ/7	1520- 41- 9-A	WB4FQR	2100- 75- 4-A	SOUTHEASTERN DIVISION	K6IBY	2160- 54-10-ABCD	VE3CUA 2875- 63-13-AB
PACIFIC DIVISION		W4KVI	1760- 55- 6-B	Alabama	WA6ZQU	San Diego	VE3ERQ 1608- 67- 2-B
Sacramento Valley		W4XKH	1584- 66- 2-B	K4WHW	1734- 51- 7-A	WB6NMT	1410- 90-13-
WB6NTL	1938- 51- 9-A	K4QIF	1134- 27-11-B	Easter Florida	WB6TFC	3444- 84-11-AB	VE3DSQ 1512- 63- 2-B
W6TEE 1188- 50- 2-AB	WB6UEO/6 (WB6UVH, opr.)	K4AJE	1014- 39- 3-AB	WB4EHR	2016- 73- 4-B	VE3ABM 1456- 52- 4-B	
WB6WVX	1050- 35- 5-AB	WB4GKR	1008- 42- 2-A	Georgia	WB4FMJ/4 (7 oprs.)	VE3GAF 1248- 52- 2-BD	
W6MIW	840- 30- 4-B	WA4AU	980- 40- 2-A		3082- 67-13-AB	VE3OJ 1062- 30- 8-AB	
WA6CXB	572- 22- 3-B	WA4HIM	936- 39- 2-A	K4ICR (K4ICR, WA5RBI)	K5IPV	5564-107-16-A	VE3BBC 650- 50- 3-ABD
K6IKV	240- 10- 2-B	WA4VWX	840- 39- 2-B		WA5PWJ	3104- 97- 6-A	VE3DWQ 576- 24- 2-B
San Joaquin Valley		WA4MH	792- 33- 2-AB	K4YCG	779- 23- 7-A	WA5RPJ	432- 18- 2-
WB6UYG	3480- 60-19-AB	WA4BTS	744- 31- 2-A	WB4BSR	3040- 76-10-A	VE3FOE 408- 17- 2-B	
K6UJG	504- 14- 8-A	K4GPH	528- 22- 2-B	K4OKM	2240- 56-10-A	VE3CUG 264- 12- 1-B	
WB6GSS	WB6HIL	K4YCG	480- 20- 2-A	K4OKW	1680- 60- 4-A	VE3HRI 240- 12- 1-B	
3990- 95-11-AB	WA4OUP	WB4BSR	480- 20- 2-AB	WA4YKF	216- 9- 2-B	VE3DAY 88- 4- 1-B	
Santa Clara Valley		WA4WUW	336- 14- 2-A	WA7CJO	2356- 38-21-A	VE2SH 5244-114-13-ABD	
WB6WLE/6 (WB6s RGR WLE)	264- 11- 2-AB	K4OKW	288- 12- 2-A	W7EPB	1150- 50-13-A	VE2BU 1708- 61- 4-	
ROANOKE DIVISION		WA4YKF	216- 9- 2-B	Los Angeles	W5WAX	2755- 47-19-A	VE2HW 1316- 47- 4-ABDE
North Carolina		WA8AEC	3360- 70-14-B	WA6WKF	5780-170- 7-A	VE2BMQ 960- 32- 5-ABD	
K4HKG	3120- 60-16-A	ROCKY MOUNTAIN DIVISION	Colorado	WB6IMV	3890-123- 5-AB	VE2BMH 576- 24- 2-B	
South Carolina		W0INK	1932- 42-13-AB	K6BPC (W6FNE, opr.)	3990- 68-20-	VE2BGJ 532- 19- 4-	
WA4LTS (5 oprs.)	12,792-164-29-ABD	WA0MJR	512- 19- 6-AB	2688- 96- 4-AB	K5BDQ	504- 21- 2-B	VE2ALE 408- 17- 2-B
Virginia		W0WYX	96- 4- 2-B	WA6ARC	2080- 80- 3-AB	VE2DFO (VE2s BGJ DFO DGB) 3168- 66-14-AB	
K4SUM	9240-154-20-ABD	WA0PHZ/0 (7 oprs.)	WA0PHZ/0 (7 oprs.)	WA6KIK	1846- 71- 3-A	Check logs: W1HAX,	
K4YCH	5508-102-17-A	8062-141-19-ABD	8062-141-19-ABD	WB6TSM	1500- 50- 5-A	K2PBP, W2HF,	
New Mexico		W5IXR	828- 23- 8-AB	WB6YVP/6	1235- 48- 3-B	WA2DNJ, WB2YUK,	
		K5EFW	352- 16- 1-B			W4ISS, W5LHD,	
						WA7DSS, W8YHX,	
						WA8ALO, WA8UIV,	
						WA8WCF, WN8ZHU,	
						WA9CXQ, VE3BDX.	



## From the Museum of Amateur Radio

In January, 1933, George Grammer, W1DF, described his "rationalized" Autodyne receiver, which gained immense popularity and was just the thing to build. It had an r.f. stage, ganged with the detector tuning condenser. A little later, James Lamb, W1AL, converted this rig to a single-signal superhet, the necessary additional gear being fastened on the rear. The photo shows the composite outfit.