

COMPILED BY STANLEY H. ISRAEL,* WA2BAH/WA1FPS

WHERE were you the weekend of the VHF SS (January 8-9, 1966)? If you were in the Arizona section, you would have been enjoying the 70-75 degree weather too much to operate the contest seriously. If you were in New England, where below zero weather was prevalent, chances are that you would have experienced no openings — poor groundwave conditions during most of the contest; you were lucky if you didn't lose your beams! (This weather factor most likely accounts for the decrease in the number of logs received; over 1100 this year compared to about 1400 last year.) If you were in the New York City or Philadelphia area, you would have heard hundreds of stations working the contest; some of them running up contact totals over 500. If you were in Texas or Oklahoma, you would have been favored by good sporadic-E skip which helped some operators in the 5th call area run up multipliers equal to those of the fellows with well-equipped stations on the east coast. If you were out West, you would have heard many portable stations, some of them many thousands of feet above sea level, running up high contact totals and taking advantage of forward scatter propagation to catch extra sections.

The principal factor, as in the past, is the tremendous effort made by club members to run up a good score for the group in which they are a participant. It should be noted that at least three separate entries, each one from a different member is needed in order to qualify for the club scores listing. All awards are scheduled for mid-June mailing.

Highlights

K3IPM, who surprised no one, turned in the highest score for one operator, making 601 contacts in 13 sections for over 27-K. Although Stan's score accounts for only one of the 93 Packrat entries, it alone would have been enough to put the Mt. airy club over two thirds of the way up the club list. WA8BCA/8, operated by the Cleveland 50 Mc. DX Club, turned in the highest multi-op score. Their 6-meter equipment, manned by some of the most experienced v.h.f. contestants in the 8th call area, consisted of a kilowatt a.m., c.w., and s.s.b., fed into a pair of 6-element beams spaced at a full wavelength about 180 feet up on a self-supporting tower. For receiving on 6, a parametric amplifier was used ahead of a homebrew converter and a 75S-3 receiver. Besides successfully completing all scatter schedules, being heard almost consistently throughout the contest all the way to New England and achieving contact with some rare sections by all-night operation, the WA8BCA/8 crew took advantage of the sporadic-E opening that occurred Sunday. They made 334 QSOs in 20 ARRL sections on 6 meters alone, and picked up 161 contacts and an extra section on 2 meters (W2AZL, NNJ) by using a Zeus, Interceptor and on that band two 11-element beams up 110 feet. This group was well prepared to take advantage of anything that came their way and you can imagine what it must have been like to sit at their operating position. Their multiplier of 21 was tops for the contest. Next in line with 16 sections each were WA2FGK, WA5AUA and WA2BAH/1. This is the first time that a station, away from the eastern seaboard area, has been able to come up with the most sections worked and the highest score in either the single or multi-op category.

Out in Chicago, K9RVG, Illinois section certificate winner and Central Division leader, pulled a real eye-opener and submitted the highest score for a station operating on two meters only. His fine showing, 242 contacts in 8 sections, for a score of 8732 points, further demonstrates the capabilities of the aroused Midwest gang, who are now flexing their muscles. You can bet that the fellows on the east coast, who have gotten used to taking the honors for the past 18 years, won't accept this lying down. Now that it has been proven that one doesn't have to live on the east coast to top a v.h.f. contest, nationwide, you can look for increased competition among the better equipped stations in the U. S. and Canada.

Of the 54 stations reporting 220 activity, W3CL topped the list with 41 contacts using a 4X150 rig to a 16 element collinear. A homebrew converter ahead of a 75A-2 receiver was used.

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The York VHF Society presents the new Sections Award trophy at the Oakville "do", a gathering of v.h.f.'s every Saturday night following each ARRL v.h.f. contest for presentation of the 6 Meter Trophy, 2 Meter, 25 watt Trophy and now the York VHF Society Sections Award. Left to right: VE3s ASO EVN FY EKC CLL DSE (President with trophy) DWQ CIL AIB KQ and AL.

Club Comments

"Several of the boys turned in very noteworthy performances this year. WA3EHD, who lost his sight recently, due to an accident, managed to make 161 contacts and the only assistance required was in logging. An unfortunate note during the contest was the death of one of our elder members, K3LBT. His last contact was with our club station, W3CCX." — *W3MFY, Mt. Airy V.H.F. Club*.

"This year, we had a little extra promotion to stir up members, with prizes and a local contest with the Brown Sugar Six Meter Net. We believe our President won the steak dinner. It paid off as we did better than last year, but it's still tough to beat the Eastern clubs." — *W8DPW, Dayton Amateur Radio Association*.

"The VHF SS is really great for promoting club enthusiasm and local v.h.f. activity. It was good practice also for exercising our ability to be as flexible as possible in our operating procedure." — *WA2JWO/2, Albany Amateur Radio Association*.

"There is a lot of new blood developing in the club and the contest helps to stimulate togetherness for the good of the organization. We gave a club trophy to the high scoring station (WA6GAG/6) in our club." — *W6FNE, Southern California V.H.F. Club*.



NOVICE CERTIFICATE WINNERS

WN1ECR	WN3DYT	WN8PXL
WN2TES	WN2ETI/3	WN8QPN
WN2TGW	WN4BHK	WN8SOW
WN2UKF	WL7FIB	WN9PHV

CLUB SCORES

Club	Aggregate	Valid Entries	Certificate Winner	Club	Aggregate	Valid Entries	Certificate Winter	
Mt. Airy V.H.F. Club (Pa.)	623,949	93	K3IPM/3	Central Michigan Amateur Radio Club	.....	12,450	13	W8CKK
South Jersey Radio Assn.	197,939	52	WA2EMB	Argonne Amateur Radio Club (Ill.)	.....	11,716	10	W9LGI
Rochester V.H.F. Group	140,802	94	K2YCO	Columbia University Amateur Radio Club (N.Y.)	.....	10,648	3	WB6NIK/2
Reading Radio Club (Pa.)	98,669	50	W3BN1	Reynolds Amateur Radio Club (Tex.)	.....	10,520	6	WA5AUA
Dayton Amateur Radio Assn.	91,732	43	WA8AKK ²	Hartford County Amateur Radio Assn. (Conn.)	.....	8849	5	W1HDQ
Mobile Sixers Radio Club (Pa.)	83,010	27	W3IZU	East Coast V.H.F. Society (N.J.)	.....	8324	6	WB2KPD
Albany Amateur Radio Assn. (N.Y.)	49,492	26	WA2JWO/2	York V.H.F. Society (Ont.)	.....	8268	4	VE3DSE
6 Meter Club of Chicago	47,548	29	WA9KAY	Huntsville Amateur Radio Club (Ala.)	.....	7351	11	WA4DBQ
Hampden County Radio Assn. (Mass.)	46,730	41	K1ANF	Calhoun County Amateur Radio Club (Mich.)	.....	6313	4	K8YYE
Southern California V.H.F. Radio Club	40,491	15	WA6GAG/6	Lawndale Chicago Boys' Club Amateur Radio Assn.	.....	6270	8	K9RCN
Central New Jersey V.H.F. Society	39,596	9	WB2KLD	Syracuse V.H.F. Club	.....	6198	7	K2QWD
Greater Pittsburgh V.H.F. Society	37,971	25	W3KWH ³	Six Up Amateur Radio Club of Burlington (N.J.)	.....	6146	3	WB2CEX
Rock Creek Amateur Radio Assn. (Md.)	35,866	18	W3LUL	Mid-Island Radio Club (N.Y.)	.....	6132	4	W2SEU
6 & 2 Ham Club (Ill.)	34,837	15	W9EET	Rancocas Valley Amateur Radio Assn. (N.J.)	.....	5999	3	WB2LWZ
Springfield Amateur Radio Club (Ohio)	26,984	16	K8DEO	West Side Radio Club of Toronto (Ont.)	.....	5956	3	VE3AIB
Midwest V.H.F.-U.H.F. Amateur Assn.	23,600	9	K9RVG	Mid-Hudson V.H.F. Society	.....	5894	5	K2ARO
National Capital V.H.F. Society	22,624	8	W3NG	Hamfesters Club (Ill.)	.....	5826	4	WA9IWU
Germantown Radio Club (Pa.)	22,104	5	K3ZPG	Fulton Amateur Radio Club (N.Y.)	.....	5662	3	K2DUR
6 Meter Club of Dallas	21,768	9	WA5EOI	New Providence Amateur Radio Club (N.J.)	.....	5490	4	WB2GPG
Scarborough Amateur Radio Club	20,980	19	VE3EZC	1200 Radio Club (Mass.)	.....	5444	4	K1CHY
Audubon Radio Club (N.J.)	19,606	5	WB2BOK	Arctic Amateur Radio Club (Alaska)	.....	5181	15	KL7FCH
Opequon Radio Society (W.Va.)	19,549	16	W8AEC	Greater New Orleans Amateur Radio Club	.....	4842	4	WA5DXA
Gloucester County Amateur Radio Club (N.J.)	18,316	5	W2LVW	Bootlegger Radio Club (N.Y.)	.....	3261	4	WB2RZL
Keystone V.H.F. Club (Pa.)	17,735	4	.....	Satellite Amateur Radio Club (Cal.)	.....	3102	10	WB6DIK
Bergen Amateur Radio Assn. (N.J.)	16,896	10	WA2IDH	Decatur Amateur Radio Club (Ala.)	.....	2584	3	K4WHW
Communications Club of New Rochelle (N.Y.)	14,662	3	.....	Pennsylvania Wireless Assn.	.....	950	3	K3OQK
Miamisburg Wireless Assn. (Ohio)	14,127	6	WA8DZU	1 K3RZF opr.	.....	W8UU opr.	3	W3ZG1 opr.
Delaware 6 Meter Net	14,099	4	K3UHU					
Dutchess County V.H.F. Society (N.Y.)	13,784	6	W2LWI					
Skokie Six Meter Indians (Ill.)	13,290	9	WA9KAW					

DIVISION LEADERS

Single Operator

K3IPM/3	Atlantic	K3IPX/3
K9RVG	Central	K9DZK
KØDTA	Dakota	.....
K4EJQ/4	Delta	WA4YFL
WA8AKK	Great Lakes	WA8BCA/8
W2NNL	Hudson	WA2FGK
KØKMV	Midwest	KØIJJ
K1MRI	New England	WA2BAH/1
K7BBO	Northwestern	.....
WB6DUB	Pacific	K6AAW/6
K4SUM	Roanoke	WA4CYR
WØAJY	Rocky Mt.	.....
K4WHW	Southeastern	WA4QPL/4
WA6GAG/6	Southwestern	WB6ERG/6
WA5EOI	West Gulf	K5CFM
VE3DWL	Canadian	VE3ASO

Multioperator

night) caused worst groundwave conditions ever experienced in a January contest." — K2CBA/2. "Wonderful contest!" — W2NNL. "Lost all beams (50, 144, 432) in a gale around midnight. Put up a new 2 meter beam Sunday (in zero weather of course). End-fed my 432 feedline for 6." — W1HDQ. "A near victory for M 'y. All day Saturday I had very poor modulation due to difficulty in tuning up a week-old rig. I left the gas funnel at home, finally tied the beam in one position to prevent windmilling in 40 m.p.h. wind, and the generator had to be warmed up in the car for an hour Sunday morning due to -10 degree temperature. But all and all I learned much (through many mistakes) and had a great time." — K1PKQ/1. "Sections hard to get, DX sigs weaker than usual. Sunday night brought some c.w. activity." — K1BTF. "Lost my antennas half way through the contest." — WA1DZJ/1. "Despite risking our necks on an icy roof to fix our frozen rotor (as a result of the season's first storm,) and freezing in an unheated garage, we still managed to rack up more points and as much fun as our last VHF contest." — WA1FC/CD/DWL. "Conditions poor Saturday evening due to a blizzard. Sunday evening pretty good. Listened on 432, but heard nothing. One QSO on 220Mc." — K1OYB. "WA1ELM climbed tower to fix the 2-meter rotor, he was blown across roof and would have been blown away except that he grabbed a guy wire. After this we all stayed inside." — W1HPM/1. "Our worst showing in 21 consecutive ARRL contests. Blizzard conditions (8 inches plus high winds) forced evacuation of QTH after 2½ hours. Good thing, we would have been snow bound for 3 days. Never heard the snow static so bad (30 over 9)" — W1ALE. "Most frustrating thing was to sit on that cold, windy ridge and hear W2BV ask if anyone was working W4's!" — W4GFY/4. "Los Alamos, with an altitude of 7300 ft., overlooks the two principal cities in New Mexico, Albuquerque and Santa Fe. It makes a fine VHF location. However, although Albuquerque has a fair amount of VHF activity, Santa Fe has only one active VHF station present. It sure would be nice to have a location like this back in the East." — W50JM. "With the temperature 70-75 both days everyone was outdoors." — K7YSE. "Little activity on 432 and 1296 this time." — WB6GFD. "Contest activity low, conditions sub-normal, and no E-Skip worked, 6 started to open around 1500 GMT on 9th, but no readable signals, then closed up again. Worked Okla., Ark., Mo., and Kansas, but missed N.Tex due to conditions and activity." — W5WAX. "Temperature down to zero but a very hot contest most of the time." — VE3EZC.

Soapbox

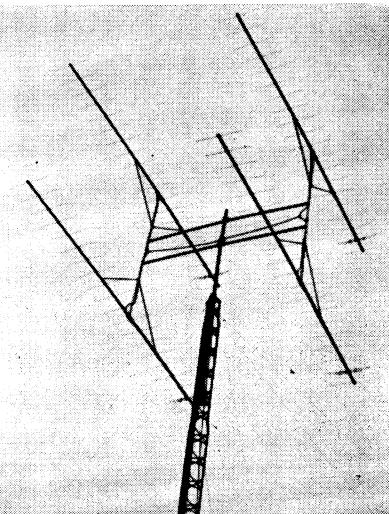
"Great contest! It got so that I didn't hear anyone that I hadn't worked already" — WN2RUH. "When I got a 5-7 report from all of a mile away, I decided to check my antenna. Coax blown off antenna by high winds of Saturday night." — K2QJ. "What happened to WNY section?" — W3BWU (*op. of WA3BAK*) ED NOTE: "Look in the tabulations, there are over 100 entries . . . hi!" "Four modes were used on six meters: a.m.s.s.b., c.w., and RTTY" — W3BWU (*op. of WA3BAK*). "From Milton, Wisconsin, band conditions were below average. Area contacts contributed mostly to my score, with many a station exchanging contacts on both 2 and 6." — WA9FJM. "The 6-meter activity was down considerably this year, however, it was very pleased to see the 2-meter gang turn out in force this time. We will have 5 new 432 Mc. stations on in this area by June." — K4EJQ/4. "Sure would like to see contest start 2 hours earlier and end 2 hours earlier as in June." — W8NSH. "Heard E. Pa., VE3, W2, and W4 but unable to raise them" — K8ALO. "Cold wave (-9 degrees Sat.

In the tabulation on the next pages, 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. A certificate also will be awarded to the highest scoring Novice from sections of less than three entries . . . that in the opinion of the Awards Committee displayed exceptional effort; footnotes denote these winners. 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., E 1215 Mc. Multioperator stations are shown at the end of each section tabulation.

ATLANTIC DIVISION		K3EOD	W3HKZ	7828-206-9-	K3GLK	5200-130-10-AB	K3KTY	2912-112-3-AB		
<i>Delaware</i>		W3GEW	12,920-340-9-AB	K3TPM	7638-201-9-AB	ABC	W3WZC	5044-194-3-AB		
K3UHU	10,600-265-10-AB	K3KVS	12,138-289-11-ABCD	W3WJC	7612-173-12-AB	K3TRY	4752-132-8-AB	ABCD		
K3DFR	3774-104-8-A			K3RCV	7200-225-6-AB	K3PXT	4732-169-4-A	W3ZRR	2834-109-3-AB	
K3OBU	2875-63-13-B	W3SAO	11,968-352-7-ABC	K3WGK	7120-178-10-	K3EPB	4704-168-4-AB	W3GII	2820-94-5-AB	
WA3DYG	1312-41-6-AB	K3ZPN	11,628-307-9-AB	K3LJ	7056-168-11-AB	K3UVV/3	4680-156-5-AB	K3EHQ	2808-108-3-AB	
W3HCB	705-24-5-AB			K3GAS	7040-220-6-	ABC	K3WYV	4544-142-6-A		
K3URP	588-21-4-A	K3AUH	11,118-327-7-ABC	K3HSS	7040-220-6-	ABC	K3KUB	4500-150-5-AB		
K3UXQ	390-15-3-A			W3JSD	7020-195-8-	K3MGQ	4498-173-3-A	W3ZLD	2788-82-7-A	
K3NYG	234-9-3-A	K3PGB	11,080-277-10-A	K3DAQ	6688-209-6-AB	W3AERH	4256-112-9-AB			
		W3IZU	10,480-262-10-AB	K3DAQ	6480-180-8-A	K3YJC	4186-161-3-AB	W3QAS	2760-115-2-AB	
K3IPM/3	27,646-601-13-ABC	K3WEV	10,336-272-9-A	W3MXW	6888-209-6-AB	W3MXU	3936-123-6-A	W3QXV	2660-95-4-AB	
		W3BNV	10,122-241-11-AB	W3KXXH	6390-213-5-A	W3MXU	3636-101-8-A	K3YJG	2656-83-6-AB	
W3KKN	25,784-586-12-ABC	W3MXW	10,120-232-12-A	K3POY	6300-210-5-AB	W3EQ	4356-108-6-	K3PSX	2430-81-A	
		K3ZVD	9888-309-6-AB	K3IOX	6016-188-6-A	W3QAB	2380-85-4-AC	W3BPC	2470-85-3-B	
W3MFY	25,632-534-14-ABCD	W3HAB	9856-309-6-AB	K3ATL/3	5890-155-9-AB	K3VEQ	4356-108-6-	K3FXF	2430-81-A	
		K3UJD	9758-287-7-	K3IUZ	5814-153-9-AB	ABC	K3PSX	2418-93-3-A	W3BPA	2340-78-5-AB
WA3CAG	20,930-455-13-ABC	W3CCX	9252-257-8-	K3FYU	5776-152-9-A	W3QAB	2314-89-3-AB	K3TEJ/3	2314-89-3-AB	
		K3NMN	9030-301-5-AB	K3RIT	5740-205-4-AB	W3ABW	3424-107-6-B	WN3ETI/3	2280-76-5-B	
W3CL	16,984-386-12-ABC	W3MVF	8968-236-9-	K3TEF	5550-185-5-AB	W3ABW	3406-131-3-AB	K3SZG	2280-81-4-AB	
		K3LHF	16,160-404-10-ABC	K3YPL	5436-151-8-A	W3COY	3354-129-3-	W3BQU	2260-74-5-A	
K3DUW	15,680-392-10-AB	W3ETB	8721-258-7-AB	K3WJG	5400-180-5-	W3UCA	3264-96-7-	K3MTK/3	2210-65-7-A	
		K3ZPG	8448-264-6-AB	W3AJF	5396-142-9-	ABC	W3HYO	3240-120-6-B	WA3DJN	2132-82-3-A
K3JJQ	14,516-382-9-ABC	K3GQJ	8400-280-5-	K3RLL	5796-161-8-A	ABC	W3FGQ	3150-105-5-AB	WA3BTE	2132-82-3-A
		K3ACR	13,755-328-11-A	W3LUW ³	8176-257-6-AB	ABC	W3NSI	3144-131-2-	K3FOC	2130-71-5-AB
						ABC	W3BHR	3132-87-8-AB	K3YFO	2088-87-2-AB
						ABC	K3LWY	3120-120-3-A	K3YFQ	2052-86-2-AB
						ABC	K3EMA	3068-118-3-AB	K3HIU	1988-71-4-AB
						ABC	W3GXB	2940-105-4-BC	W3ABH	1946-70-4-AB
						ABC			K3KJQ	1800-75-2-AB

WN3EVQ	1800- 60- 5-B	W3SST	288- 12- 2-AB	K3LUK ⁷	2160- 72- 5-AB	W2NSF	12,540-285-12-AB	WB2PGE/2	3510-135- 3-AB
WA3ARC	1792- 64- 4-A	K3EOU	288- 12- 2-A	K3WTD	2054- 79- 5-B	W2REB	11,860-265-12-AB	WB2CEX	3502-103- 7-AB
W3FEY/3	1764- 63- 4-AB	K3NDY	286- 13- 1-B	W3CPM	2040- 48- 5-B	W2PAU	10,626-232-13-AB	WB2JEP	3360-112- 5-B
WA3EJN	1710- 57- 5-A	K3ABK	240- 10- 2-B	W3AQS	1960- 70- 4-AB	W2ZUL	9864-274- 8-AB	WN2UVB	2970- 99- 5-B
K3FYX	1708- 61- 4-AB	K3LDM	132- 6- 1-A	W3AIR	1872- 68- 5-B	WB2NOK	8732-242- 8-AB	W2GQO	2828-101- 4-A
K3AFT	1680- 60- 4-A	W3CXU	(2 oprs.)	W3FRO	1624- 58- 4-AB	W2LVW	8700-218-10-AB	WB2CDP/2	2772- 99- 4-AB
K3GXV	1680- 60- 4-A	W3HZU	(7 oprs.)	W3PIH	1624- 58- 4-B	W2ORA	7786-229- 7-AB	WB2IFC	2600-100- 3-AB
W3EYN	1656- 69- 2-AB	W3CLQ (K3DLS,	10,038-239-11-AB	WA3CXV	1600- 50- 6-A	WB2EEH	6970-205- 7-	WB2EHY	2574- 99- 3-AB
W3WIJ	1656- 69- 2-AB	W3CLQ)	8274-197-11-AB	W3TYJ	1530- 51- 5-A	W2BAY	6018-177- 7-	W2ADA	2464- 88- 4-AB
W3BJG	1649- 49- 7-AB	W3AD/3 (7 oprs.)	8040-201-10-AB	W3BNL	1196- 46- 3-B	WB2MNM	2288- 88- 3-A		
K3CHN	1638- 63- 3-A	W3AD/3 (7 oprs.)	7581-200- 9-AB	W3YAG	884- 34- 3-B	WN2RUH	2158- 83- 3-B		
WA3BRV	1624- 58- 4-A	W3IXL (WA3BIV,	WN3DTY ⁴	W3KUH	858- 33- 3-B	W2VX	1228- 76- 4-B		
W3KPK	1612- 61- 3-A	W3IXL)	702- 27- 3-B	K3LLR	702- 27- 3-A	K2EJW	2080- 80- 3-A		
WA3DIV	1586- 61- 3-AB	W3AD/3 (7 oprs.)	7956-221- 8-AB	W3FNU	676- 26- 3-B	WN2TEN/2	1952- 61- 6-B		
K3LBT	1580- 60- 3-AB	W3AD/3 (7 oprs.)	7581-200- 9-AB	WN3ELA	676- 26- 3-B	WN2TOE	1846- 71- 3-B		
W3VQC	1512- 60- 2-AB	W3AD/3 (7 oprs.)	WN3ETM	702- 27- 3-B	W2DMU	1794- 69- 3-A			
W3THF	1500- 50- 2-A	W3AD/3 (7 oprs.)	1188- 54- 1-B	W2GVB	1690- 65- 3-AB				
K3VVM	1496- 58- 1-AB	W3AD/3 (7 oprs.)	W3GS	1184- 37- 6-A	WA2ABF/2	1656- 89- 2-AB			
K3JXC	1482- 57- 3-AB	W3AD/3 (7 oprs.)	K3ESL	1176- 49- 2-A	K2HOD	1568- 49- 6-AB			
W3RAV	1368- 57- 2-AB	W3AD/3 (7 oprs.)	W3MB	990- 45- 1-B	WB2SPJ	1404- 54- 3-A			
K3IOJ	1364- 62- 1-AB	W3AD/3 (7 oprs.)	K3DLS	984- 42- 2-BC	W2HBE	1316- 47- 4-AB			
K3MEM	1352- 52- 3-AB	W3AD/3 (7 oprs.)	K3CBE	988- 44- 1-AB	WA2WCT	1300- 50- 3-AB			
W3FSC	1352- 52- 3-A	W3AD/3 (7 oprs.)	K3GZT	962- 37- 3-A	WB2FOC	1288- 46- 4-B			
W3MCX	1276- 58- 1-AB	W3AD/3 (7 oprs.)	WA3APN	924- 42- 1-B	WB2OAD	1204- 43- 4-AB			
WA3BRV	1248- 52- 2-A	W3AD/3 (7 oprs.)	K3LML	912- 38- 2-A	WB2LZW	1170- 45- 3-A			
WA3BHE	1224- 51- 2-B	W3AD/3 (7 oprs.)	WA3BPA/3	910- 35- 3-A	W2SDO	992- 31- 6-B			
WA3BCD	1218- 44- 4-A	W3AD/3 (7 oprs.)	K3FPPV	832- 32- 3-A	K2HBY/2	936- 39- 2-AB			
K3ALQ/3	1200- 50- 2-A	W3AD/3 (7 oprs.)	WA3DML	792- 36- 1-B	WN2RRA	744- 31- 2-B			
WN3ETM	1188- 54- 1-B	W3AD/3 (7 oprs.)	K3VWS	792- 36- 1-B	W2BQ	720- 30- 2-A			
W3GS	1184- 37- 6-A	W3AD/3 (7 oprs.)	K3CWS	792- 36- 1-B	WN2UEY	696- 29- 2-B			
K3ESL	1176- 49- 2-A	W3AD/3 (7 oprs.)	K3HWZ	728- 28- 3-A	WB2GZK	672- 33- 2-AB			
W3MB	990- 45- 1-B	W3AD/3 (7 oprs.)	K3ZLL	702- 27- 3-AB	K2IEG	681- 26- 2-A			
K3YDZ	988- 38- 3-A	W3AD/3 (7 oprs.)	K3CXR	6698- 197- 7-AB	W2SDB	504- 21- 2-B			
K3DLX	984- 42- 2-BC	W3AD/3 (7 oprs.)	K3CIV	6902-203- 7-AB	W2AFZ	312- 13- 2-A			
K3CBE	988- 44- 1-AB	W3AD/3 (7 oprs.)	K3CIV (K3CIV,	W3AD/3 (7 oprs.)	K2MZP	240- 10- 2-A			
K3GZT	962- 37- 3-A	W3AD/3 (7 oprs.)	W3IXL)	604- 18- 4-B	WB2SPJ/2	240- 10- 2-A			
WA3APN	924- 42- 1-B	W3AD/3 (7 oprs.)	K3CIV	504- 18- 4-B	WB2LXA/2	77- 4- 1-A			
K3LML	912- 38- 2-A	W3AD/3 (7 oprs.)	K3CIV	504- 18- 4-B	K2QIJ	44- 2- 1-B			
WA3BPA/3	910- 35- 3-A	W3AD/3 (7 oprs.)	K3CIV	504- 18- 4-B	WB2GPH	44- 2- 1-B			
MD-DC.	605- 28- 1-B	W3AD/3 (7 oprs.)	K3CIV	504- 18- 4-B	K2AA/2 (13 oprs.)	10,368-324- 6-AB			
WA3CPQ	550- 25- 1-B	W3AD/3 (7 oprs.)	K3CIV	504- 18- 4-B	K2RRC (K2s MIO	RRC) 6384-168- 9-AB			
K3QKQ	520- 20- 3-A	W3AD/3 (7 oprs.)	K3CIV	504- 18- 4-B	K2DFE	4320-120- 8-AB			
K3SPP	506- 23- 1-B	W3AD/3 (7 oprs.)	K3CIV	504- 18- 4-B	K2MKD	3270-109- 5-AB			
K3VFS	484- 22- 1-B	W3AD/3 (7 oprs.)	K3CIV	504- 18- 4-B	UDA)	3270-109- 5-AB			
W3DYY	462- 21- 1-AB	W3AD/3 (7 oprs.)	K3FPE	4110-137- 5-B	W2FYS/2 (W2FYS	WA2KVS)			
WA3EFE	462- 21- 1-A	W3AD/3 (7 oprs.)	W3BZQ	3400-100- 7-A	520- 20- 3-B				
K3WJE	440- 20- 1-AB	W3AD/3 (7 oprs.)	W3BZQ	1800- 60- 5-A	WA2MVG	Western New York			
K3WJE	440- 20- 1-AB	W3AD/3 (7 oprs.)	K3ZOD	3120- 98- 6-A	K2YCO	6222-183- 7-			
W3EFK	440- 20- 1-AB	W3AD/3 (7 oprs.)	K3ZOD	3060- 90- 7-A	WB2SIR	4350-145- 5-AB			
W3UAX	408- 17- 2-A	W3AD/3 (7 oprs.)	K3ZOD	2850- 95- 5-B	K2DFE	4320-120- 8-AB			
W3ZTL/3	384- 16- 2-B	W3AD/3 (7 oprs.)	K3RWY	2800-110- 4-B	K2MKD	3270-109- 5-AB			
K3GOZ/3	374- 17- 1-A	W3AD/3 (7 oprs.)	W3HB	2688- 81- 6-B	UDA)	3270-109- 5-AB			
K3GAY	386- 14- 2-B	W3AD/3 (7 oprs.)	K3ICH	2500- 80- 6-A	WA2EMB	14,259-340-11-			
K3ESL/3	330- 15- 1-A	W3AD/3 (7 oprs.)	K3LFN	2250- 75- 5-B	ABD	3584-128- 4-AB			
						K2BPX	3570-105- 7-AB	WA2TEY	4200-140- 5-AB

WA2FGK (high scoring Hudson Division multi-op) at the controls of the rig which has brought 22 states his way on 144 Mc. since August, 1965. You're wrong if you think his antenna (80 element quad— didn't have much to do with it.



W&DPW	2884-103	4-AB
K8GDV	2814-101	4-AB
WA8IKN		
	2520- 90	4-AB
WBZQH	2400-100	2-AB
WA8MSB		
	2210- 85	3-B
WR1PT	2112- 88	2-AB
WA8MHO	2080- 80	3-A
WA8DFD	8/ 8	
	2054- 79	3-A
K8WGJ	2024- 92	1-AB
WA8HVK		
	2002- 77	3-B
WP8PGF	1989- 77	3-A
WA8HWD		
	1976- 76	3-B
WSSK	1960- 70	4-AB
WA8DRD		
	1920- 80	2-A
K8ZQO	1764- 83	4-A
K8ALOY	1736- 82	4-B
WA8LYM		
	1584- 66	2-AB
WA8LXZ	1512- 63	2-B
WA8FZS	1440- 60	2-B
WA8RKL	1392- 58	2-AB
WA8MSA		
	1392- 58	2-A
WN8PXL	1378- 53	3-B
WA8AEY		
	1320- 55	2-B
K8BSC	1280- 42	5-A
K8RZN	1260- 42	5-A
WA8BOA		
	1200- 50	2-AB
W8KSE	1122- 51	1-AB
W8DWT	1104- 46	2-B
K8IGF	1066- 41	3-B
WN8SPFO	1066- 41	3-B
K8STU	968- 44	1-AB

WB2HCS	1170-	39-	5-A-B
K2BGU	1156-	34-	7-AB
WB2JRS	1120-	35-	6-B
WB2UU	1120-	40-	4-AB
WA2RWR	928-	29-	6-A
WB2UEW	896-	32-	4-AB
K2KTJ	868-	31-	4-AB
K2BUE	780-	30-	3-B
K2VNV	750-	25-	5-B
K2CWX ¹³	644-	23-	4-B
WB2OGN	576-	24-	2-A
W2IP	480-	15-	6-B
WA2HRE	476-	17-	4-B
WB2NPB	442-	17-	3-B
WA2GXM	416-	16-	3-B
W2CJS	408-	17-	2-AB
WA2JWL	364-	14-	3-A
WB2QVX	360-	15-	2-A
WB2BZE	286-	11-	3-AB
WB2RBG	198-	9-	1-AB
WB2UYT	176-	7-	2-B
K2VAC/2 (6 opns)	922-924-	9-AB	
WB2NVJ	788-	28-	5-B
WB2PCT	708-	27-	5-AB

CQ
CONTEST



WB2KLD HAD A "QSO" OR
TWO AFTER HE WENT TO SLEEP..

.. ACCORDING
TO HIS BROTHER.

K8TUY	908- 44-1-AB
W8PTF	960- 40- 2-B
K8EJI	924- 42- 1-A
WA8OFZ	902- 41- 1-A
W8WAU	888- 37- 2-B
W8YCP	840- 35- 2-A
WA8DZS	767- 30- 3-B
WA8HHF	704- 32- 1-A
WA8DTH	660- 30- 1-AB
K8OTS	648- 27- 2-A
W8WYH	638- 29- 1-B
WA8BNW	624- 30- 2-A

WA9IFU	624-26-5	1-AB
W93DV	528-25-1	1-AB
W8RLY	528-24-1	B
WA8LTA	528-22-2	B
K8AOH/S	504-21-2	B
WA8HCC	504-21-2	A
K8WVS	450-15-5	A
WA8JGD	440-20-1	B
WE8EH	374-17-1	B
WA8RWZ	286-13-1	A
WA8HCC/S	242-11-1	B
KSJXE/8	220-10-1	A
WN8NQR/8	154-7	1-B
W8RXM/8	132-6	1-B
WA8HVK/8	134-2	1-B
WA8ABC/S	(10 oprs.) 30,690-495-21-AB	
W8CC(S)	(10 oprs.) 16,544-376-12-AB	
WA8RIX/8	(WA8s LIS LIT LIU)	
WA8KX(S)	7712-241-6-A	
WA8GFG/8	WA8KX(S) 68-29-2	

HUDSON DIVISION

Eastern New Y

W2LWI	5350-107-15-B
WB2POM	3510-117- 5-A
WA2ZPD	3264-102- 6-B
WA2JWO/2	3200-100- 6-A
K2ARO	2706- 75-8-B
K2CBA/2	2508- 66- 9-A
K2GCH	2280- 60- 9-A
K2DNR	2040- 75-10-B
WA2YRF	2016- 72- 4-A
W2CTH	1920- 60- 6-A
WA2MCP	1856- 58- 6-A
WA2DTE	1800- 60- 5-A
W2HZZ	1752- 52- 7-B
W2DSK	1680- 61- 4-A
K2UKE	1596- 42- 9-B
WA2OYV	1540- 55- 4-A
WA2GGD	1470- 49- 5-A
WB2CQJ	1386- 50- 4-A
WA2WSY	1260- 45- 4-A

WB2EDJ (**WB2s EDF SKQ TEO**)
 12-654-354- 8-AB
WB2UWM (**WB2UWM, WN2s TTW UFH**)
 2670- 89- 5-AB
WB2LCP (**WB2s LCP UIV**) 2040- 68- 5-A
Northern New Jersey
W2NNL 13-310-304-12-AB
WA2FYH/₂ 10-320-258-10-AB
WB2KLD 10-208-232-12-AB
WA2WIL 9430-205-13-AB
WA2UDT 9400-235-10-AB
WTPUA/₂ 6930-165-11-BD
WB2KPD 5168-152- 7-AB
WB2MZH 5160-172- 5-AB
W2AQAT 4370- 95-13-B
WB2GKR 3450-115- 5-AB
WB2XSO 3400-100- 7-A
WB2AIDP 3200-100- 6-AB
W2MHJ/₂ 3000-102- 5-B

K2GLS	1680-	56-	5-AB
WB2OYK			
	1638-	59-	4-B
WN2UUKF ⁴			
	1352-	52-	3-B
WB2HXA	1230-	41-	5-AB
WA2ZSN	1148-	41-	4-AB
WA2FWL	1120-	40-	4-B
WB2SMJ	780-	30-	3-AB
WB2QCH	560-	20-	4-B
WB2QNE	456-	19-	2-AB
K2GNA	442-	17-	3-AB
WB2SWB	432-	18-	2-AB
WB2MHR			
	408-	17-	2-A
K2SKV	156-	6-	3-B
K2VNW	144-	6-	2-B
WB2BLQ	72-	3-	2-B
WA2IQU	66-	3-	1-B
WA2FGK	(WB2 LNS UYH)		
	18,720-360-16-AB		
WB2JIB	(K2es EFB RMD, WB2JIB)		
	12,870-338- 8-AB		
WB2PAZ	(WB2s GRL PAZ STR)		
	1505- 69- 5-AB		
WA2OOD	(WA2OOD, WB2TMB)		
	1250- 47- 5-B		

WAØJRJ (WØRQO,
WAØs BED JRJ)
2100- 75- 4-AB
KØLIR (8 oprs.)
1248- 52- 2-AB

NEW ENGLAND DIVISION

Connecticut

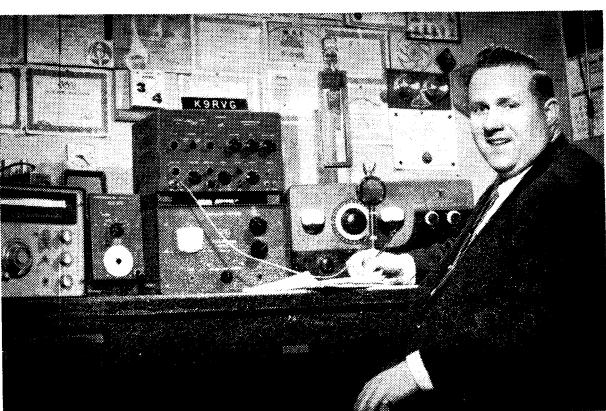
Connecticut	
K1MRI	13,904-316-12-A
K1IED	8316-198-11-B
W1HDQ ¹⁶	5497-120-13-AB
W1WHL	4160-104-10-
W1FXS	3680-115- 6-B
K1PKQ ¹	2464- 77- 6-B
K1KKK	2460- 82- 5-AB
K1PAI	1824- 76- 2-B
WA1CYM	1428- 51- 4-B
W1VNO	960- 40- 2-AB
W1DXE	932- 34- 4-B
K1SXF	744- 31- 2-B
W1IQJL	310- 30- 2-B
WA1CWM	720- 30- 2-AB
K1AOY	696- 29- 2-B
WA2BAH	(15 orders)
	20,304-395-16-
	ABCDE

W1MEH (W1MEH,
K1LOM)
6996-159-12-BC
K1MUJ/1 (4 oprs.)
4692-138-7-AB
WA1EAZ (K1VQW,
WA1EAZ)
3870-130-5-AB
W1AW¹⁶ (W1s QIS
WBBD) 1929-17-2-B

Eastern Massachusetts

W1EIJU	6426-153-11-AB
WAIDZJ/1	
K1BTF	995-118- 7-A
W1JSM	3348- 93- 8-A
K1CHY	3340- 84-10-AB
W1OOP	2460- 82- 5-AB
W1QIB	2432- 65- 9- ABC
W1BW8	1500- 50- 5-AB
K1CQX	1290- 43- 5-A
W1BXI	756- 27- 4-BC
WN1FFY	728- 26- 4-AB
WAIDBN	176- 26- 3-B
WAICBG (4 opers.)	176- 3- 1-B
K1FVF (K1FVF, WA1ABU)	5040-168- 5-AB
K1RWS/1 (K1RWS, WA1CYX)	3696- 78-14-A
WA1FCF (WA1S's DW1 FCD)	1036- 37- 4-AB
	624- 24- 3-B
<i>Maine</i>	
K1MTJ	972- 27- 8-B
K1OYB	330- 11- 5- ABC
<i>New Hampshire</i>	
W1ASZ/1 ¹⁶	884- 26- 7-B

K9RVG of Chicago, Illinois with the rig that did the trick. Highest score for a station operating only on two.





The operating position at WB2MRK, Manhattan island. It's not a new country, but Phil is sure doing his best to pull that S-2 signal through the noise for a new 432 Mc. QSO. A 4X150 tripler is used with a converter built from the ARRL Handbook. Phil's antenna for 432

is a 64-element colinear.

K1FTG 130- 5- 3-AB WIKUE 132- 6- 1-A
WIHPM (K1WPM, WIKAM 110- 5- 1-A
WA1s DEI ELM) KIWVX 22- 1- 1-A
5436-151- 8- W1WFL 22- 1- 1-B
ABC KIUVP/1 (KIUVP,
WIALE (W1s ALE YQH) 630- 21- 5-AB
Rhode Island W1UDT) 9000-225-10-AB
K1TPK 8736-208-11-AB W1UWX/1 (W1s EZD
Western Massachusetts KIUVT/1 (K1s NJC
K1ANF 3800-101- 9-AB PKZ, W1ADZ/1
WIMNG 2384- 75- 6-AB 1600- 50- 6-A
W1STR 2356- 62- 9-AB W1GIV (2 oprs.)
W1ADZ/1 2132- 82- 3-B 1440- 60- 2-B
W1WLE 2072- 74- 4-B W1MMG/1 (2 oprs.)
K1PKZ 1950- 75- 3-B 176- 8- 1-B
KINJC/1 1800- 50- 8-A

WA1CYK 1680- 70- 2-B KL7FCH 506- 23- 1-B
W1FAB 1586- 61- 3-AB KL7ENZ 481- 23- 1-B
KJULZ 1470- 49- 5-B KL7EUW 462- 21- 1-B
WN1ECR⁴ KL7AEQ 396- 18- 1-B
1464- 61- 2-B KL7BLQ 396- 18- 1-B
W1JWV 1428- 51- 4-AB KL7FBN 374- 17- 1-B
W1MDM 1320- 44- 5-A WSKNC/KL7
W1ALL/1 1032- 43- 2-B KL7FHF 363- 17- 1-B
W1ESA 1032- 43- 2-B W1UFB/1 363- 17- 1-B
K1PMK 1008- 42- 2-B KL7FCG 286- 13- 1-B
WINY 912- 38- 2-B KL7AZJ 264- 12- 1-B
K1IJU 888- 37- 2-B KL7EWH 253- 12- 1-B
W1IIC 888- 37- 2-B KL7ECO 154- 7- 1-B
KINMK 825- 29- 5-A KL7ENO 110- 5- 1-B
K1WXU 816- 34- 2-A Oregon
K1JJV 792- 33- 2-B WA7BJU/7
W1OY 792- 22- 2-A 840- 35- 2-AB
K1ESN 756- 27- 4-A Washington
W1VWH 740- 30- 2-B K7BBO 2212- 79- 4-A
K1EPB 696- 29- 2-B
K1LDE 696- 29- 2-B
WA1DDB 672- 28- 2-B
W1UCB 624- 26- 2-AB
W1UPP 624- 26- 2-AB
K1EPP 504- 21- 2-A
W1DGA/1 504- 21- 2-B
K1CZZ 384- 16- 2-B Sacramento Valley
W1QWJ 330- 11- 5-D
K1EFP 288- 12- 2-A
WA1COR 234- 9- 3-AB

PACIFIC DIVISION

East Bay

K6JHV¹⁷

2820- 94- 5-B

W6WLJ 1092- 39- 4-B

WA6IDT 924- 33- 4-B

From the West, WB6DUB puts his rig through the paces. Dick finds that using a pair of 6146B's in the Seneca is well worth the investment. He's the certificate winner for the S.C.V. section.



WA6CQG/6 858- 33- 3-AB
W6GDO 532- 19- 4-ABCD
W6KDJ 234- 9-3-B
K6AAW/6 (K6AAW,
WA6RCY)
2950- 75- 5-AB
WB2OVB/6 (4 oprs.)
1848- 66- 4-B

San Francisco
WB6FZH 22- 1- 1-B
San Joaquin Valley
K6UJG 1376- 43- 6-AB
WB6NFT 1290- 43- 5-AB

Santa Clara Valley
WB6DUB 5272-146- 6-AB

K6DTR 1800- 60- 5-AB

ROANOKE DIVISION

North Carolina

W4EFV 1717- 52- 7-A
W4FDO/4 1036- 37- 4-AB

South Carolina
WA4LTS 3990- 95-11-A

Virginia
K4SUM 5244-138- 9-AB

WA4TYZ 884- 34- 3-AB

WA6KIK 672- 28- 2-A

W6FNE/6 384- 16- 2-AB

KH6EVT/6 154- 7- 1-A

K6BPC (4 oprs.) 8120-290- 4-AB

WA6ZNP (WA6s KIK ZNP, WB6IMV)
2604- 93- 4-AB

Orange
W6GZK 2520- 90- 4-AB

WB6PH 792- 33- 2-AB

K6DLY 208- 8- 3-B

WB6MVU 144- 6- 2-A

WB6ERG/6 (WA6WTD,
WB6ERG) 11,060-395- 4-AB

San Diego
WN6RGS 1040- 40- 3-B

W6UFJ/6 (W6UJF,
WB6UW, WN6PUH)
4228-151- 4-AB

Santa Barbara
W6AJCC 2656- 83- 6-AB

WA5JFA 2656- 83- 6-AB

WA5KTT 2656- 83- 6-AB

K8WVP 2176- 68- 6-AB

K8WXB 990- 33- 5-B

WA8CTS 930- 31- 5-B

K8SSD 924- 33- 4-B

K8KSD 624- 24- 3-B

WA5MRL 560- 20- 4-B

WN8RDL 476- 17- 4-B

K8WMX 420- 15- 4-B

WA8OKG 392- 14- 4-B

Rocky Mountain
Division

Colorado

W0AJY 1800- 75- 2-AB

W0JJR 650- 25- 3-A

WA0KDJ 88- 4- 1-A

New Mexico
WA5ETF 784- 28- 4-ABC

W5OJM 754- 29- 3-AB

SOUTHEASTERN DIVISION

Alabama

K4WHLW 1896- 53- 6-AB

WA4DBQ 1232- 44- 4-A

WB4ALW 1156- 34- 7-AB

WA4KMA 1140- 38- 5-AB

WA4EBS 910- 35- 3-A

WA4EKL 870- 29- 5-AB

WA4UVM 812- 29- 4-A

WA4PHF 696- 29- 2-AB

W4ERX 645- 22- 5-A

W5GVE/4 510- 17- 5-AB

W4YRM 504- 21- 2-AB

WA4YFN 494- 19- 3-A

K4UT 456- 19- 2-A

WA4WZF 418- 19- 1-A

WA4YXI 384- 16- 2-A

K4AAO 264- 11- 2-A

K4VJL 110- 5- 1-A

Georgia
K4YZE 312- 13- 2-B

WN4ARB 314- 7- 1-B

WA4QPL/4 (10 oprs.)
5922-165- 8-AB

SOUTHWESTERN DIVISION

Arizona

K7YSE 576- 24- 2-A

W7AYY 308- 14- 1-A

Los Angeles
WA6GAG/6 6210-207- 5-AB

WA6WKL 5040-180- 4-A

WB6HRR 3224-124- 3-AB

WB6ITG 2860-110- 3-AB

WB6GFD 2548- 98- 3-
ABC

WB6IBZ 2262- 87- 3-AB

WA6FJJ 1911- 74- 3-A

WA6QWE 1666- 66- 4-B

WB6QXY 1664- 64- 3-A

WB6KTD 1568- 56- 4-A

K6IOV 1508- 58- 3-A

WA6ARC 1417- 55- 3-A

WB6KGR 884- 34- 3-AB

WA6KIK 672- 28- 2-A

W6FNE/6 384- 16- 2-AB

KH6EVT/6 154- 7- 1-A

K6BPC (4 oprs.) 8120-290- 4-AB

WA6ZNP (WA6s KIK ZNP, WB6IMV)
2604- 93- 4-AB

Orange
W6GZK 2520- 90- 4-AB

WB6PH 792- 33- 2-AB

K6DLY 208- 8- 3-B

WB6MVU 144- 6- 2-A

WB6ERG/6 (WA6WTD,
WB6ERG) 11,060-395- 4-AB

San Diego
WN6RGS 1040- 40- 3-B

W6UFJ/6 (W6UJF,
WB6UW, WN6PUH)
4228-151- 4-AB

Santa Barbara
WA5JCC 2656- 83- 6-AB

WA5JFA 2656- 83- 6-AB

WA5KTT 2656- 83- 6-AB

K8WVP 2176- 68- 6-AB

K8WXB 990- 33- 5-B

WA8CTS 930- 31- 5-B

K8SSD 924- 33- 4-B

K8KSD 624- 24- 3-B

WA5MRL 560- 20- 4-B

WN8RDL 476- 17- 4-B

K8WMX 420- 15- 4-B

WA8OKG 392- 14- 4-B

WB6NPJ/6 198- 9- 1-B

W1KNV/6 176- 8- 1-B

W1PIX/6 176- 8- 1-B

Rocky Mountain
Division

Colorado

W0AJY 1800- 75- 2-AB

W0JJR 650- 25- 3-A

WA0KDJ 88- 4- 1-A

New Mexico
WA5ETF 784- 28- 4-ABC

W5OJM 754- 29- 3-AB

Rocky Mountain
Division

Northern Texas

WA6EOI 6164-134-13-A

K5IVB 5192-118-12-A

W5WJ 2376- 66- 8-A

WA5ODT 2176- 64- 7-A

WA5JTM 2108- 62- 7-A

VE2BZH 1792- 64- 4-B

VE2ALE 1708- 61- 4-B

Quebec
Check Logs: K1FQL/1, WB2GYS.

1 K3RZF, opr. 2 K3HJA, opr. 3 K3YQS, opr.
4 Novice award winner. 5 WA3BCD, opr. 6 K3ZAA,
opr. 7 K3KWO, opr. 8 W3ZGI, opr. 9 W3BWU, opr.
10 W8FZE, opr. 11 W8UU, opr. 12 WA8BOA, opr.
13 W2TFS, opr. 14 WA2ZZF, opr. 15 HQ, staff, not
eligible for award. 16 K1WHS, opr. 17 WA62TY,
opr. 18 WA4BBY, opr. 19 VE3FOI, opr.

CST

It's W1BGD at the 2-meter position at WA2BA-
H/1, East Hartland, Connecticut.



K5CMC 1254- 57- 1-A

WA5JTN 1156- 34- 7-A

WA5OMG 924- 33- 4-A

K5SXU 418- 19- 1-A

Oklahoma
W5WAX 1148- 41- 4-AB

WA5DWR 1468- 18- 3-A

W5LOW 249- 11- 1-B

K5CFM (K5s CFM
EZG, WA5JRH)

5308-104-16-AB

Southern Texas
WA5AUU

5356-103-16-AB

K5WUD 2560- 64-10-A

WA5AUB

1938- 57- 7-AB

WA5AZF/5

110- 5- 1-A

WA5BEY 2520- 90- 4-AB

VE3CBM 2314- 89- 3-B

VE3AR 2232- 93- 2-B

VE3BBC 1898- 73- 3-B

VE3DSQ 1846- 71- 3-B

VE3CIL 1512- 54- 4-B

VE3GAB 2314- 89- 3-B

VE3CRU 4060-145- 4-B

VE3AIB 3108-111- 4-

ABD

VE3DSE 2940-105- 4-B

VE3CSO 3256-102- 4-B

VE3BYU 2520- 90- 4-AB

VE3CBM 2314- 89- 3-B

VE3AR 2232- 93- 2-B

VE3BBC 1898- 73- 3-B

VE3DSQ 1846- 71- 3-B

VE3CIL 1512- 54- 4-B

VE3GAB 2314- 89- 3-B

VE3CRU 4060-145- 4-B

VE3DSE 2940-105- 4-B

VE3CSO 3256-102- 4-B

VE3BYU 2520- 90- 4-AB

VE3CIL 1512- 54- 4-B

VE3GAB 2314- 89- 3-B

VE3CRU 4060-145- 4-B

VE3DSE 2940-105- 4-B

VE3CSO 3256-102- 4-B

VE3BYU 2520- 90- 4-AB

VE3CIL 1512- 54- 4-B

VE3GAB 2314- 89- 3-B

VE3CRU 4060-145- 4-B

VE3DSE 2940-105- 4-B

VE3CSO 3256-102- 4-B

VE3BYU 2520- 90- 4-AB

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