## Results, 1979 Novice Roundup

A *Novice*, in learning the *tech* niques of contesting in the NR, will generally advance up the ladder of Amateur Radio licensing, with that little extra effort.

By Bill Jennings,\* K1WJ and Tom Frenaye,\*\* K1Kl

ey, all you Novice and Technician types out there. Ever switched on the rig and called "CQ" without getting an answer? Ever sat there in frustration, trying to break the pileup on that "rare" state that you need for WAS or that DX station who's reeling off the QSOs at a pretty good clip? Then, my friend, you've probably got a case of the "well, you can't win 'em all" blues or the "I can't even win one" syndrome. Have we got the solution to your problems — the Novice Roundup.

Ask any of the 561 ops from whom we received logs for the 28th annual running of the Novice Roundup (NR) what they, personally, got out of their participation, and the variety of answers probably will equal the number of individuals participating. Comments ranged from "worked my first DX" to "worked more stations during the NR than in any or all previous time spent on the air" to "increased my code speed several times over" to "had several fine ragchews with folks that I met while I was in the contest." Although the comments differ somewhat, two basic underlying themes, improved operating skills and enjoyed the competition of the Novice Roundup, seem most prevalent. What more need be said?

If you didn't participate in the 1979 NR, you missed a real FB time. Don't make the same mistake again. If you can put out a decent signal, not necessarily a "killer" signal (ops in the last NR ran from 1-watt input to the full legal limit, using antennas ranging from random longwires to multielement beam arrays), we're sure you'll enjoy the NR. After all, next February isn't all that far off.

Since the Novice license was made a five-year renewable or permanent-type affair, we figured that this year would be a good time to draw the line between those newly licensed (less than two years) and the "old-timers" in grade. It seemed logical to assume that if compared side-by-side, the more experienced operators would dominate any top scoring list compiled. It just ain't so. Newcomers WDØBOG and KAØBJI turned in the top all-around Novice scores. In fact, "new" Novices would hold places 1, 2, 5, 6, 7 and 10 in an overall Top Ten rating. Pretty much the same for "new" Technician licensees. The "new" Techs, led by N6BCY and WB6VVH/9, would hold places 3, 4, 6, 7 and 10 on an overall Top Ten Technician list.

Top Ten Novices				
Licensed more than two years		Licensed less than two years		
WA4UYJ/N	62,228	WDØBQG/N	66,468	
WB1AOG/N	61,408	KAØBJI/N	62,694	
KA2BNF/N	57,440	WD5COV/N	61,335	
WB5LVL/N	54,225	WB1FPF/N	60,515	
WA4OUT/N	49,932	WB1DEU/N	58,310	
KL7ISO/N	47,227	WD9DBC/N	50,641	
WB2IUI/N	44,500	KA3ARI/N	50,000	
WB3GWB/N	40,936	WA2MRW/N	49,929	
WBØYWP/N	38,048	WH6AFE/N	47,005	
WD4AHZ/N	36,849	KA4BUI/N	44,405	
Top Five Technicians	3			
WB3FWD/T	28,824	N6BCY/T	21,255	
WD5HZN/T	22,104	WB6VVH/9T	19,180	
WBØVKE/N	17,334	WD5GRV/T	18,444	
WB2JCU/1T	15,376	WD5FPJ/T	17,052	
K8DHK/T	14,440	WD9DTF/T	16,860	



You can find WA2VQE (NLI Section) at home pounding brass in the Novice Roundup or on the job pounding a beat in the South Bronx. Charles is a police officer in the Big Apple (New York City). Don't try to steal his frequency.



Peggy, KA4FVU, with less than 2 months of previous on-the-air experience, proceeded to jump head first into the NR and came away with 279 QSOs, 63 multipliers and second place in the Georgia Section.

We didn't mean to neglect the "over-twoyear" crowd. For Novices, WA4UYJ, who was fifth last year, and WB1AOG, both turned in fine performances to lead the pack, while Techs WB3FWD and WD5HZN were number one and two, respectively.

Did you find your claimed score reduced somewhat? The ole log checker has sharp eyes. Each log was given a thorough examination. Where necessary, QSOs and points were deleted, not as a punitive measure, but to point out mistakes to prevent recurrence. After all, the Novice/Tech contestants of today are the "Big Gun" contesters of tomorrow.

QSOs and points can be and were deleted from logs for the following reasons;

1) Incomplete contacts in the log. The call sign, time/date, frequency band of QSO, and complete exchange, both sent and received, must be indicated for each and every QSO claimed for credit. Many QSOs were deleted because they lacked the complete exchange,

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Idaho's top scorer Jack, WB7VBC, who shares the rig with XYL KA7ALU, calls his burro mascot (on the tuner) appropriately enough, "DX"



Russ, WD8PMA, at 16k points, placed sixth overall in the Michigan Section.



William, KA4BFU, from Virginia, stuck mostly to 80 meters to keep his QSO rates up and went to 15 meters to snag most of his 58 multipliers.

which in this case was the call sign, a signal report and the ARRL Section. No matter what contest you enter, *always* be sure to indicate on your entry the *complete* exchange required for *each* and *every* QSO that is claimed in the log for credit.

2) Incorrectly copied information. The log checker has a great many entries at his disposal and can cross-check a good portion of the QSOs in most logs. Example. If you copy the call sign of KX6XXX as KX6XXD, the log checker can then cross-check your log with that of KX6XXX and delete the QSO as an incorrectly copied contact. Be sure to copy, correctly, all the information that is sent to you for each contact during the contest. If you are not sure of what was sent because of QRM or the other op sending a little to quickly, ask for a repeat or a QRS. Better to spend a few extra seconds during the QSO than to lose the points later.

3) Duplicate contacts. If the contest rules state that you can work a station only *once* during the contest for credit, *do not* enter the same station again for credit in your log. When the log checker finds duplicate contacts (dupes) in your entry, he removes that QSO plus a penalty of three additional QSOs. Best way to avoid dupes is to keep a dupe sheet (CD-77A or equivalent) during the contest (enter stations as you work them) and double-check your log by duping it again after the contest. It's time well spent.

4) General rule violations. Be sure to *carefully* read the rules for each contest *before* the

contest begins. Lots of things that you may never consider important, such as time limits, on/off times, etc. might be an important part of that particular contest.

A very important part of the NR are the General and above licensees and our DX friends who pay a visit to the Novice bands, not just 'cause it's kinda fun for them too, but to help hand out points and multipliers to the NR participants. Thanks, fellows and gals, really appreciate it.

To all those who played in 1979, but will have upgraded in license class (as many do), good luck and be sure to come back next year and give us a hand. To those who didn't participate this year, try it next year; you'll like it. To those newly licensed and those who will be licensed by next February and are reading this report, we extend a hearty congratulations and an invitation to enter the Novice Roundup in 1980

#### **SOAPBOX**

I would like to say to new Novices, "Get in your Novice Roundup because if you don't participate, you will always be wondering." I wondered what it was like to be in the Novice Roundup. Now I know how it feels and I know for a fact that if I had missed my Novice Roundup, I would have hated myself for the rest of my years (KA7CKE). I never was a Novice, so by participating in this NR, I'm filling in that time in my ham radio life now (WA3UNX). How many points is a contact with a guy named Mr. Spock located on Vulcac Island worth? (WB3INW). Now that I've got the hang of the NR and have a new rig, I almost wish I wouldn't get that General ticket (Hi!) (KA9BDQ).

The toughest thing about the NR comes afterward in trying to get used to just calling CQ not CQ NR and signing your call without the /N (KA8CBZ). The XYL says that I was an "extra" for nine days — EXTRA hard to live with . . . (WD9IOS). DX wasn't exactly rolling in, but I did alright with my dipole at five feet (WDØBLU). You should have heard all the QRM suddenly disappear at 2359Z on February 11 (WDØEAB). The NR caught me with my "ANTs down" so to speak. I only had 80- and 15-meter dipoles up, so I missed out on 10 and 40 meters (WD45KH). Interesting observation. Quite a few SM (Sweden) statistics the SM (Sweden) statistics the SM (Sweden) statistics that SM (S tions giving out QSOs and points to the Novices . . . nice gesture (W9FSD). Seems a lot of folks that I talked to on the air knew nothing about the NR. I spent a lot of time explaining, made a lot of new friends, and enjoyed the contest (WB2ONA). Hello, Maine? (WD8RUP). Great fun. Non-ham XYL thinks I'm a nut (WD6DBA/7). Last year, someone said that NR stood for numb rist; revise that to Nervous Reck (WA4UYJ). I started with no serious intention of trying to make a score, but found myself so absorbed in the contest that I just couldn't seem to leave it alone. Wonder if the FCC will make you (ARRL) file a statement to the fact that contests may be habit-forming. Hi! (KA1AUK). Surprised a bit with my results. Using 90-watts output and 65-foot longwire up only 10 feet above ground. Moral: don't hesitate to try simple antennas, you may be pleasantly surprised with the results (WD6BJK). Okay, you guys want comments? I'm writing this from my padded cell. Seriously, NR is for the insane. After six hours of operating on the first night, I racked up the astounding total of 10 QSOs. But, I did get four new states after the week was up. I'll be back next year for revenge (WD8OTW). I had a couple of new Novices over to my shack during the contest, and their feeling about the contest was that if the cw was being sent a little slower, they might have given it a try. I think if a standard speed were sent (like 10 wpm) just for the contest, more new Novices might have gotten on the air. Getting the Novices on the air and having them learn a little about contesting, I'm sure, is the whole idea behind the NR (KASBQX). In my third NR. I finally worked North Dakota.

#### Overall Division Leaders

WB3FWD/T KA3ARI/N\* Atlantic WB6VVH/9T\* WD9DBC/N\* Central WDØCHC/T\* WDØBWH/N\* Dakota WA4UYJ/N WD5HZN/T Delta WD4FXX/N\* **Great Lakes** K8DHK/T KA2BZS/T\* KA2BNF/N Hudson WDØAOP/T\* WDØBQG/N\* Midwest New England WB2JCU/1T WB1AOG/N WB7SEN/T KL7ISO/N Northwestern WD6BJK/T\* WH6AFE/N\* Pacific WD4GOO/N\* Roanoke KA4CVL/T\* KAØBJI/N\* Rocky Mountain WD5FMB/T\* KA4EER/T\* KA4BUI/N\* Southeastern N6BCY/T\* WD6EIM/N\* Southwestern WB5LVL/N West Gulf WD5FPJ/T\* \*Denotes operator licensed less than 2 years



The Orange Section's number one operator in the NR, Jeff, KA6AEI.



Ed, WB3FWD, used a beam antenna, inverted Vs, and 180 watts of input power to work 356 stations and become the number one Technician operator in this year's NR.

completing Novice Band WAS . . . With my 2  $\times$  3 call sign, I get calls from other non-Novices (1'm an Extra). Some don't even seem to understand the problem ... By the way, could a Novice/Tech, who had passed the General test and had interim privileges, enter the NR as a Novice/Tech? (WBIANT). [Good question, Matt. Once the Novice/Tech has passed the test and received the Interim Permit, he/she is officially constituted the binker allege (Concept from the work). received the Interim Permit, he/she is officially considered the higher class (General from the question) licensee. You might remember Matt, WBIANT, as having the third highest non-Novice point total in the 1978 NR — Ed.]. Really like the fact that in the NR, you can get an award for making 200 or more contacts. In other contests, you don't get an award unless you win (WDØFGY). Would like to suggest changing the abbreviation of LA to LAX so to avoid confusion with La. LAX would catch on very quickly as it is already the abbreviation for Los Angeles International already the abbreviation for Los Angeles International Airport (WB2IUI). I think I could have done better if my shack were a little warmer. It's only partially insulated and never got above 43° F (KA8BPY). I like to operate on 10 meters best, but there weren't many NR operators on 10 (KA8BQH). Murphy is back. Newly erected dipole caught SWR fever (WD4FJP). Great contest! Moreovers and the second of the second o contest! Mamma mia, so much activity! (N6HE) 1979 NR was a real success for me. Ten new states worked and to my surprise, an SM station answered my CQ. Thirty hours is the perfect amount of operating time. Be back next year (KA2BPV).

#### FEEDBACK

Please note the following corrections to the 1978 Novice Roundup, the results of which are to be found in August 1978 QST, page 67.

WB7RCN, listed in third place in the Arizona Section, should be the one and only station (Section Winner) listed under a Nevada heading.

WBSBUT/TT listed under Idaho should really be WBSBUT/TT.

WD5BUT/7T.



Eileen, WD9HZG (IL), upped her all-time QSO total by about 2000 percent, while doubling her code speed during the Novice Roundup.

#### Station Equipment — Antennas — Multipliers for the Top Ten Overall Scorers

Call	Equipment Receiver/Transmitter/Power Input	Antenna(s) Used	ARRL Sections	DXCC Countries
WDØBQG	Drake TR4-CW/xcvr/250 watts	vertical/Vs	74	13
KAØBJI	Collins 75S-3/Collins 32S-1/160 watts	quad/Vs	66	20
WA4UYJ	Drake TR4-C/xcvr/180 watts	vertical/Vs	73	21
WB1AOG	Yaesu FT-101EE/xcvr/180 watts	beam/vertical	73	28
WD5COV	Heath SB-303/Heath SB-401/180 watts	dipoles	73	14
WB1FPF	Drake TR7/xcvr/250 watts	beam/Vs	70	21
WB1DEU	Heath HW-101/xcvr/180 watts	dipoles	71	14
WB5LVL	Yaesu FT-101E/Drake R4-C/200 watts	beam/vertical/Vs	69	6
WD9DBC	Yaesu FT-101/Drake R4-C/250 watts	beam/vertical	68	21
KA3ARI	Collins 75S-3B/Collins 32S-1/180 watts	beam/Vs	67	13



In Iowa, Wayne, WBØYWP, found himself in the middle of his first contest, the Novice Roundup, and thinks he may be hooked on contesting. Its hard to get that "dupe sheet" off your back. (Hi!)



The number two score from North Carolina came from this lady, KA4APY. Sandra managed to finish up her WAS (Worked All States) during the NR and had a great time do-



Tom, WD6DXH, went into the NR QRP-style from the SCV Section.



Teresa, WD5HPK (N. TX), was pleasantly surprised at the FB results her 70 watts and endfed longwire antenna produced.

#### **Novice Roundup Scores**

Scores read, left to right: call, score, number of contacts, number of multipliers, and number of hours of operation. An asterisk indicates an operator who has been licensed less than 2 years.

## U.S.A.

#### Connecticut

WB1FNU/N*	32,112-431-	72-28
KA1BUQ/N*	24.282-312-	71-18
WB1HKV/N*	16,740-264-	60-29
KA1BUJ/N*	14.495-223-	65-22
WA1ZXT/N	12.320-209-	55-25
WB1FRG/N*	12,272-208-	59-30
KA1BIJ/N*	10.700-214-	50-18
WB1FKU/N*	10,535-200-	49-12
WB1DVE/N*	9389-219-	41-18
WB1CTM/N*	6336-129-	44-17
WB1ESJ/N*	4070- 95-	37-19

#### Eastern Massachusetts

WB1FPF/N*	60.515-645- 91-30
WB1CTH/N*	15,111-197- 73-25
WA1JUY/N*(	WB1GHC,opr)
	11.872-224- 53-17
KA1BJY/N*	11,514-202- 57-18
WB1FVY/N*	3876- 58- 57- 6
N1AJJ/T*	1035- 45- 23-21
	+KA1AUY/N)
	9706-196- 46-23

#### Maine

KA1AJH/N\* 3813- 83- 41-20 New Hanpshire WB2JCU/1T 15.376-248- 62-27

Eastern	New	Y	ork	
WA2MF	W/N	*	49,	9

2

Western Massachusetts WBIAOG/N 61,408-59 KAIBBD/N\* 15,624-25 KAIBLV/N\* 13,908-24 WBIGLX/N\* 13,260-22 KAIBDD/N\* 4248-11 WBIFHN/N\* 1624- 5

Rhode Island

Eastern New 1	rork	
WA2MRW/N* WB2LQI/N* WB2SXL/N WA2VAX/N KA2DLX/N* KA2BFQ/N* WB2YNW/N* WA2JDI/N WD2ABB/T		89-28 77-30 57- 64-24 56-27 61-30 56-28 44-13 23-13

K1FUB/N 14,770-191- 70-30 KA1AUK/N\* 14,100-300- 47-28 WB1EIH/T\* 855- 35- 19-17

### KA2BXS/N\* New York City - L.I. (A2CKM/N\* 27,216 (A2CVM/N\* 16,683 (A2CRF/N\* 16,520 (A2AEV/N\* 16,287

KA2CWI/N* KA2BUU/N* WA2HQB/N KA2DXH/N KA2DIV/N* Northern New	11,025-210- 10,339-201- 5248-128- 250- 15- 231- 11- Jersey	49-25 49-30 41-30 10- 11-24
KA2BNF/N WB21UI/N KA2BTD/N* WA2LXU/N* KA2COY/N KA2BZ5/T* WB3JON/2N* KA2BAG/N* WB2UHM/N* WB2TNN/N WB2VTE/T* WV2ZOW/T* KA2CBU/T*	57,440-718- 44,500-475- 16,730-224- 16,368-244- 16,065-240- 11,970-210- 11,074-211- 8288-224- 6580-140- 5120-113- 5000-100- 4704-96-	80-30 89-30 70-23 62-29 63-30 60-30 57-30 49-22 37-25 47-27 40-26 59-16
WA2KKĠ/N WR2ONA/N*	900- 40-	18- 9

# Southern New Jersey

# Western New York

# 7,12-206-0,250-195-7000-160-4773-101-3672- 87-3604-106-2345- 67-1484- 45-1196- 46-

### 3

Delaware		
KA3BSM/N*	11,180-215-	52-2
WA3BZT/T	7579-143-	53-3
WA3GAÝ/N*	(WB3KYQ/N.	opr)
•	3456-108-	27.
WB3KYQ/N*	324- 16-	9.
WB3LGC/T*	1. 1.	
		_

KA3ARI/N* WB3HVS/N* WB3DCT/N WB3GTT/N WB3GTT/N KA3ASI/N* KA3ASI/N* KA3ASI/N* KA3ASI/N* KA3BOD/N* WB3KMF/N* WB3KMF/N* WB3KMF/N* KA3AKZ/N*	50,00.605, 34,848,3818, 34,963,358, 21,700.296, 21,204,3317, 15,200.260, 14,207,320, 12,726,202, 10,560,220, 10,56	80-30 88-30 61-11 70-22 62-30 59-21 60-29 55-30 63-22 48-28 49-30 46-20 46-21 31-14
Maryland - D.	c.	
WB3FWD/T	27.824-356-	74-30

WB3FWD/T KA3BHK/N* WB3EMD/N KA3BXP/N* WB3JRU/N* WB3JMY/N*	27.824-356- 21,827-299- 19,032-312- 18,070-278- 13,132-196- 11,607-209-	73-29 61-29 65-29 67- 53-26
VB3HMX/N*	11,232-208-	54-20

#### Western Pennsylvania

WB3GWB/N WB3HHI/N*	40,936-476-20,164-264-	86-30 71-30
WB3INW/N*	13,720-230-	56-22
KA3APH/T* KA3AVA/N*	12,870-224- 2516- 74-	55-30 34-24



Despite a little needling from her parakeet, who has learned to whistle "CQ," Retha, WD8QZA, managed to take the number three (overall) slot in West Virginia.



All Novice Roundup ops aren't rotten to the core (oops corps!). Paul, KA4EDF, took a short leave from his job with Uncle Sam's Marines to get in on a little NR activity from North



Fran, WA2NBE (SNJ), found the excitement of working a "new" section or state with each contact in the NR yery much to her liking.

•				
4	Louisiana WD5EAE/N* 11 170-207- 54-27	WB7PLX/N 9558-162- 59- WB7RSE/N* 1176- 34- 24-11	KA8BIZ/N* 14,700-210- 70-29 WD8KSL/N* 14,094-223- 58-30	WDØHQL/N* 13,747-218- 59-30 KAØANR/N* 12,789-246- 49-30 WDØDMN/N* 2004- 58- 38-10
Alabama	WD5EAE/N* 11,170-207- 54-27 KA5BCT/N* 9984-208- 47-16 KA5BPY/N* 8064-168- 48-30	idaho	KA8ALP/N* 6273-113- 51- WB8WEZ/N 2201- 61- 31-15	WD9DMN/N* 2204-58-38-10 KA9ANT/N 684-36-19-2
KA4BUI/N* 44,405-520- 83-30	KA5ARC/N* 273- 21- 13- 5	WB7VBC/N* 32,100-408- 75-30		Minnesota
WD4SBM/N* 32,810-366- 85-24 WA4ZCS/N 25,704-378- 68-30	Mississippi	WD6DBA/7N* 29,670-410- 69-30 WB7RXY/N 24,832-388- 64-27	9	
KA4CDS/N* 21,896-322- 68-30 KA4DSF/N* 16,992-221- 72-20	KA5BHD/N* 9856-214- 44-15 WD5CTI/N* 8840-221- 40-13	KA7CXE/N* 11.544-212- 52-24		KAØABQ/N* 25,600-390- 64-26 WBØBQG/N*(KAØCRF/N,opr) 19,800-264- 75-30
WD4JON/N* 14,238-226- 63-12	KA5CPP/N* 8624-144- 56-30 WD5KEM/N* 5670-111- 45-21		Illinois	WBWVKE/T 17,334-321-54-30 KAWASU/N* 17,000-235-68-30
Georgia	WD5BSJ/N* 532- 28- 19-	Nevada KA7CPK/N* 8800-176- 50-22	WD9DBC/N* 50,641-569- 89-29 KA9BVK/N* 35,235-420- 81-30 WD91FW/N* 29,625-395- 75-25	KAØASU/N* 17,000-235- 68-30 WDØGGQ/N* 16,422-213- 69-28 WDØGZE/N* 13,398-216- 58-13
KA4EPX/N* 18.966-327- 58-29	New Mexico	Oregon	WD91OS/N* 23.976-314- 74-30	KA0CAO/N 12.780-213-60-30
KA4FVU/N* 18,207-279- 63-27 WD4RCP/N* 13,224-228- 58-20	WD5COV/N* 61,335-705- 87-30 KA5CWE/N* 39,044-419- 86-29 KA5CNE/N* 12,432-222- 56- WD5FMB/T* 3870- 90- 43-16	-	WD9EJE/N* 20,945-295- 71-26 KA9ACS/N* 20,169-228- 83-30 WB9RKY/N 19,234-326- 59-29	KAØCYF/N 110-11-10-1
	KA5CNE/N* 12,432-222- 56- WD5FMB/T* 3870- 90- 43-16	WB7WSX/N* 27,334-346- 79-19 WB7SEN/T* 12,960-216- 60-30 KA7CDD/N* 10,317-181- 57-15	WB6VVH/9T*	Missouri
Kentucky WD4FXX/N* 38.500-490- 77-22	Northern Texas	WB7VNN/N* 3916-89-44-22	19,180-264- 70-30 WD9JCC/N* 19.020-317- 60-26	WDØFPJ/N* 20,301-303- 67-29 WDØFPK/N* 18,544-304- 61-29 WDØATR/N* 17,995-205- 61-17
WD4NWW/N# 34 044 449 79 30	KA5BXU/N* 18,792-324- 58-21	Utah	KA9AEK/N* 18,476-283- 62-27 KA9CWR/N* 12,760-217- 55-25	WD0ATR/N* 17,995-205- 61-17 KA0AYG/N* 17,792-278- 64-14
KA4CQR/N* 33,150.410-78-30 WD4PWV/N* 23,746-368-62-30 KA4FBZ/N* 22,208-332-64-30 KA4FLZ/N* 21,700-290-70-30	KA5BXU/N* 18,792-324- 58-21 WD5JCF/N* 11,236-212- 53-30 WD5HPK/N* 10,089-171- 59-30	KA7BCD/N* 17,545-309- 55-30 WD8PNY/N* 11,850-222- 50-16 KA7AWO/N* 11,336-208- 52-21	WD9HZG/T* 10,920-210- 52-29 WD9.II O/N* 10,224-213- 48-30	WDWATK/N* 1/,995-205- 61-17 KAØAG/N* 17,792-278- 64-14 WD4FFL/ØN* 11,809-241- 49-25 KAØCEY/N* 8800-200- 44- 9 WDØGFG/N* 1683- 51- 33- 5 KAØAGK/N* 1204- 43- 28- 5
KA4FLZ/N* 21,700-290- 70-30 KA4AZT/N* 16,434-249- 66-23	Oklahoma	KA7AWO/N* 11,336-208- 52-21 WA7KPL/T 1484- 53- 28-12	MAGAI D/NI* 5544.111. 44 12	WDØGFG/N* 1683-51-33-5 KAØAGK/N* 1204-43-28-5 WBØZHB/N 154-14-11-6
WD4IEH/N* 16.250-235- 65-15	KA5ALN/N* 25,608-388- 66-26 WD5FTZ/N* 15,732-276- 57-30	Washington	KA9BRC/N* 2508- 76- 33-20	WB92HB/N 154- 14- 11- 6
WD4IAG/N* 14,198-214- 62-21 KA4DWQ/N* 12,879-233- 53-29	KA5DHO/N* 15,372-237- 61-28 WD5IRR/N* 8575-160- 49-27 N5AFV/T* 2475- 75- 33-14 WD5JTB/N* 2170- 52- 35-20 WD5JLU/T* 135- 15- 9- 2	KA7AWH/N* 31,176-398- 72-30 KA7CXK/N* 19,406-313- 62-27 KA7BOD/N* 16,632-252- 66-30	WD9IDS/N* 2401- 49- 49-20 WD9GPY/N* 1998- 74- 27- 6	Nebraska
KA4CVK/N* 12,800-200- 64-30 WD4NYC/N* 7194-109- 66- 7	N5AFV/T* 2475- 75- 33-14 WD5JTB/N* 2170- 52- 35-20	KA7BOD/N* 16.632-252- 66-30		WDØBQG/N* 66,468-744- 87-30 WDØEAB/N* 19,894-323- 58-19
WD4IWU/N* 1160- 48- 20-14	WD5JLU/T* 135- 15- 9- 2	KA7BWF/N* 16,343-267- 59-30 WB7UVR/N* 15,871-269- 59-25 WB7QMR/N* 13,272-237- 56-27 WB7VOW/N* 6223-127- 49- 8	KA9AZY/N* 1056- 48- 22-23 KA9BDQ/T* 608- 32- 19-16 WD9HNM/N* 120- 9- 5- 3	WDØAOP/T* 12,915-205- 63-20 WDØFEV/N* 12,760-232- 55-25 KAØBTN/N* 486- 27- 18- 5
North Carolina	Southern Texas	WB7VOW/N* 6223-127- 49- 8	KA9BNG/N*(+WD9GKG) 12,772-206- 62-25	
WD4GOO/N* 28,800-400- 72-23 KA4APY/N* 26,307-318- 79-30 WD4MIA/N* 17,766-267- 63-30	WB5LVL/N 54,225-723- 75-30 WD5CHB/N 29,370-445- 66-30 WD5FPJ/T* 17,052-294- 58-30	Wyoming	Indiana	North Dakota W@HSC/N*(KA@CVI/N opr)
KA4BNF/N* 12,900-215- 60-21	WD5CHB/N 29,370-445-66-30 WD5FPJ/T* 17,052-294-58-30 KA5DGR/N* 12,876-222-58-29	WB7UVB/N* 20,515-373- 55-15	KA9CDE/N* 42,849-519- 81-30	WØHSC/N*(KAØCVI/N,opr) 19,880-284-70- KAØAEU/N* 19,600-350-56-30 WDØCHC/T* 19,115-281-75-30
KA4EDF/N* 12,449-211- 59-28 WD45KH/T 9185-167- 55-19	WD5/FJ/1 17,032-294 36-30 KA5DGR/N* 12,876-222 58-29 WD5IES/N* 7872-154 48-29 WD5JWP/N* 6014- 82- 62-30 KA5CDJ/T* 4794- 94- 51-19 WD5KDD/N* 2795- 50- 43-30	Alaska	WD9EDP/N* 35,224-461- 74-30 KA9BSD/N* 34,918-427- 79-27	WD9CHC/T* 19,115-281- 75-30 WD9AJS/T* 15,345-279- 55-24
KA4CHG/N* 9180-170- 54-26 WD4NLX/N* 7791-139- 49-30	KĀŠCDJ/T* 4794- 94- 51-19 WD5KDD/N* 2795- 50- 43-30	KL7ISO/N 47,227-544- 83-30 WL7ACP/N* 22,050-280- 70-30	WB9ZPK/N 30,710-415- 74-25 KA9AUF/N 27,122-362- 71-26	South Dakota
WD4JIR/Ń 4361-89-49-26		WL7ACN/N* 392-28-14-24	KA9ALO/N* 11,840-170-64-28	WDØBWH/N* 31,050-435- 69-30 KAØAXD/N* 14,300-286- 50-30
Northern Florida KA4ESB/N* 17,528-298- 56-28	6	8	KA9AIO/N* 11,840-170- 64-28 KA9BSF/N 9065-185- 49-	KAØAXD/N* 14,300-286- 50-30
KA4ANG/N* 16,245-275- 57-30 WD4KHI/N* 14,224-254- 56-30 WD4MDK/N* 1891- 46- 31- 5		•	KA9BSF/N 9065-185- 49- WD9HZV/N* 8400-200- 42-30 WB9WHU/T 6432-124- 48-21	Non-Novices
WD4KHI/N* 14,224-254- 56-30 WD4MDK/N* 1891- 46- 31- 5	East Bay	Michigan	WD9HZN/N* 6235-135- 43-29	K1KI 37,989,K1XA 24,128, K9BG 22,815,WB0PYD 21,063, W3ARK 20,130,WN4KKN
South Carolina	KA6BTU/N* 130- 13- 10- 6	WD8BHE/N 34,204.483- 68-22 WD8NKC/N* 33,831.522- 63.30 KA8CWR/N* 27,975.353- 75.30 WD8KXV/N* 17,514.278- 63.21 WD8JJM/N* 17,514.278- 63.21 WD8JJM/N* 16,335.287- 55.27 WD8JZQ/N 14,340.239- 60.19 WD8JMG/N* 13,572.224- 58.22	Wisconsin WB7VOT/9N 23.800-340- 70-30	W3ARK 20,130,WN4KKN 19,272,WB1ANT 18,644.
KA4ETC/N* 25,920-417- 60-30 KA4AUR/N 19,272-272- 66-22 KA4DRB/N* 12,803-217- 59-29	Los Angeles WD6EIM/N* 26.650-410- 65-30	KA8CWR/N* 27,975-353- 75-30 WD8KXV/N* 17,514-278- 63-21	WB7VOT/9N 23,800-340- 70-30 WD9HTG/N* 21,312-333- 64-26 KA9CPJ/N* 19,703-323- 61-28	W3ARK 20,130,WN4KKN 19,272,WB1ANT 18,644 WBEFFE 579703,W1RN 17,100, WB2FFE 579703,W1RN 14,579, K8AQM 14,101,N6HE 13,340, K9GUY 13,014,K41QJ 12,768, WB8LFC 12,031,WA3UNX 10,302,WA4OGV 10,011,W4YOK 9955,K9FEC 9955,K2SX 9516, K9GDF 9310,WA2LJM 9380, WA4TN 12788,KEMM 9988, K1TO
KA4DRB/N* 12,803-217- 59-29 WD4JOT/N* 9568-208- 46-25	WD6DIR/N 22,043-319- 67-26 N6BCV/T* 21,255-317- 65-30	WD8JJM/N* 17,150-245- 70-17 WD8PMA/N 16,335-287- 55-27	KA9CFI/N* 18 526.314. 59.30	K8AQM 14,101 N6HE 13,340, K0GUY 13.014 K4IQJ 12,768.
WD4PLF/T* 8410-135- 58-27 WD4RHM/N 4578-109- 42- 8	KA6DOX/N* 16,352-292- 56-15 KA6DQX/T* 6783-133- 51-21	WD8JZQ/N 14,340-239- 60-19 WD8PNO/N* 14,091-216- 61-25	WD9DTF/T* 16,860-281- 60-30 KA9CDP/N* 15,972-232- 66-30	WB8LFO 12,031,WA3UNX 10,302,WA4OGV 10,011,W4YOK
WD4FJP/T* 608- 38- 16- 8 WD4PRJ/N* 560- 28- 20-10	KA6DOX/N* 16,332-292- 56-15 KA6DQX/T* 6783-133- 51-21 WD6FYP/N* 5712-112- 51-16 KA6CAD/N 510-130- 17-11	WD0 IDILLT+ 10 505 002 50 30	WD9DXG/N* 13,481-221- 61-24 WD9EKV/N* 13,296-257- 48-16	9955,KØFPC 9955,K2SX 9516, K9GDF 9310 WA2L JM 9180
WA4WYE/T 336- 21- 16- 7	Orange	WD8KJY/T 12,388-222-36-23 WD8KJY/N* 11,988-222-58-27 KA8CRIZ/N* 11,7450-300-30-30 WB8RDY/N* 11,450-300-30-30 WB8RDY/N* 10,710-210-51-23 WD8DDA/N* 8985-147-55-30 WD8KLP/N* 7729-131-59-15 WD8KLP/N* 7729-131-59-15 WD8KLP/N* 680-172-39-15	KA9CHP/N* 12.980-220- 59-18 KA9CBR/N* 6930-221- 30-18	WØUBT 8208.N6QH 8003. WA4TNI 7548,K5HM 6968,K1TO
Southern Florida	KA6AEI/N* 11,577-227- 51-23 KA6ANJ/N* 6120-120- 51- 6	WB8WTZ/N 11,450-229- 50-19 KA8RPY/N* 11,286-209- 54-23	WB9UAJ/T* 5985-133- 45-15 WB9WBV/N 4800-120- 40-10 N1ABY/9T* 4400-100- 40-19	6912,KA1BKM 6800,N1ADX 6625,K1FD 6566,WA2EYA 6517,K7WF 6500,WD8IJZ 6396,
WD4AHZ/N 36,849-519- 71-26 WD8BQV/4N	KA6ANJ/N* 6120-120- 51- 6 WD6HBR/N* 5418-106- 43-21 KA6DUE/N 5209-124- 42-12	WD8PLZ/N* 10,710-210- 51-23 WD8DD4/N* 8085-147- 55-30	N1ABY/9T* 4400-100- 40-19 WD9GTQ/N 3450- 75- 46-16	6517,K7WF 6500,WD8IJZ 6396, WB8MSV 6300.WD8LFK 6251.
12,906-224- 54-27 KAADHC/N* 12,192-234- 48-17	WD6EWG/N* 2870- 70- 41- 8	WD8KLP/N* 7729-131- 59-15 KA8DEZ/N 6020-172- 35-27		WB8MSV 6300, WD8LFK 6251, SM6BZE 5984, WA7NXL 5980, WA4BTK 5520, K2ZR 5355, K1ZZ 5203, AF8O 5198, N2CC 4940.
WD4NRF/N* 9200-230- 40-29 KA4EER/T* 7008-146- 48-30	Santa Barbara	KABDEZ/N 6020-172- 35-27 WD8LCE/N* 5304-104- 51-30 KABCCW/N* 4085- 95- 43-16 KABCUT/N 306- 18- 17- 7	0	5203,AF8O 5198,N2CC 4940. W4GHV/5 4905 WB4YQQ
WD4ONZ/N* 2929-101- 29-22 WD4ERA/T* 494- 26- 19- 8	KA6DKS/N* 5980-130- 46-29 KA6BSD/N* 5130- 99- 45-14	KA8CUT/N 306- 18- 17- 7		4662,WD8OUP 4644,W2EZ 4636,K8TU 4371,AG5B 3854
KA4FGE/T* 315- 21- 15-11	Santa Clara Valley	Ohio	Colorado KAØBJI/N* 62,694-729- 86-27	5203,AF60 3196,N2CC 4940. W4GHV/5 4905,W84YQQ 4662,WD8OUP 4644,W2E2 4636,K8TU 4371,RG5B 3854, N6HC 3825,KH6CP 3720, VE4AAU 3649,W9WR 3645, AB6R 3608,NGGL 3325,W8XT 3293,WD9ISG 3132,NØZA
Tennessee WA4UYJ/N 62,228-647- 94-23	MAGDZC/NH 22 224 242 69 20	WB8YNF/N 35,768-526- 68-30 WD8MHD/N* 35,651-443- 77-29 WD8QYH/N* 21,075-266- 75-22 KA8AZN/N* 19,656-273- 72-26 WD8JUO/N 17,157-301- 57-26 WD8RNT/N 14,941-223- 67-23	WBØVNN/N 27,584-431- 64-29 WDØGXR/N* 17,940-299- 60-17	AB6R 3608 N6GL 3325 W8XT 3293 WD9ISG 3192 N6ZA
WA4OUT/N 49,932-647- 76-30 WD4SIG/N* 14,280-255- 56-14	KA6DZS/N* 23,324-343- 68-30 WD6CIO/N* 23,270-343- 65-19 KA6DLS/N* 17,546-273- 62-30	WD8QYH/N* 21,075-266- 75-22 KA8AZN/N* 19,656-273- 72-26	WDØEPV/N* 16,714-259- 61-18 WØDK/N(WBØWQS/N,opr) 14,357-293- 49-18	3078 WD313 AWS C 3078 WD313 AWS C 2821 K8DDG(WAITWD.opr) 2736 WB1DFV 2409 WA2LLO 2016 WA90TV 1683 WB2HSG 1674 VESTEA 1508 ABIP
KA4CHT/N* 14,101-224- 59-20 WD4PEQ/N* 13,359-219- 61-25	WD6ERA/N* 14,112-224- 63-16 WD6GYJ/N* 7191-138- 47-18	KA8AZN/N* 19,656-273- 72-26 WD8JUO/N 17,157-301- 57-26 WD8RNT/N 14,941-223- 67-23	14,357-293- 49-18 KAØCHL/N* 12,750-250- 51-15	2736,WB1DFV 2409,WA2LLO 2016.WAGOTV 1683,WB2HSG
WD4NMD/N* 13,115-190- 61-15 WD9HJD/N* 4746-103- 42-21	WD6DXH/N* 49- /- /- 1	WD8PUH/N* 14,850-255- 55-29 WD8SAF/N* 14,848-222- 64-26	KA9CHL/N* 12,750-250- 51-15 KA9CVA/N* 11,977-203- 59-19 WD9DYH/N 10,440-174- 60-14	
WD4NLJ/N* 3330- 80- 37-12 KA1AIX/N* 2747- 67- 41-13	San Diego	KA8BQH/N* 14,535-235- 57-30 K8DHK/T 14,440-175- 76-18	WD0FLX/N* 10,504-202- 52-21	
KA4AHÚ/T* 638- 29- 22- 8	WA6EEH/T* 5151-101- 51-20	WD6FOH/N* 14,848-223- 54-25 WD8SAF/N* 14,848-223- 64-26 KA8BQH/N* 14,535-235- 57-30 K8DHK/T 14,440-175- 76-18 KA8CZW/N* 12,939-217- 57-27 KA8AMI/N* 12,644-203- 58-28	WDØFLX/N* 10,504-202- 52-21 KA2AXF/ØN* 10,200-200- 51-21 KAØCSL/N* 2926- 77- 38- 5 WD5DOB/ØN* 2176- 64- 34-10	WISE 765, N9ALG 756, AA9F 714 KH6 III 494 KB3DS
Virginia	San Francisco WD6GUS/N* 22.080-320- 69-28	KA8CGF/N* 11.956-234- 49-30		1102,WB82ME 1034,W9HPG 972, WA9QWY 782, W1SE 765, N9ALG 756, AA9F 714,KH6JJI 494,KB3DS 420,K3OX/1 90,KA6EFC/N(+ WA6VNO,WD6CYW) 22,685, WD9GPF(+AEGOM) 16,800, WA6BX/17(+K6VK) 8109, WD8QMP(Multiop) 7950,W8TQE W86 BAJ MKIC KAB AJ F AJ G
WD4JHY/N* 26,216-432- 58-30 KA4BFU/N* 23,954-393- 58-30 WD4LGQ/N* 19,057-323- 59-27	WD6GUS/N* 22,080-320- 69-28 KA6AXV/N* 18,361-286- 61-20	WD8RIF/N* 11,800-236- 50-26 WD8CWS/N 10,660-205- 52-21	IOWA WDØHMR/N* 43.092-567- 76-30	WD0GPF(+AE0OM) 16,800, WA6BXI/T(+K6YK) 8109
	San Joaquin Valley	KA8ANQ/T* 9881-231- 41-28 KA8BQX/N* 8862-202- 42-28 WA8WFX/T 7770-200- 37-30	WBØYWP/N 38,048-464- 82-30 WDØFGY/N* 32,010-470- 66-30	WD8QMP(Multiop) 7950,W8TQE (K8s AQM KIC,KA8s ALF ALG ALH ALI,N8ASB,WB8s BTJ DSU
KA4BQK/N* 16,932-239- 68-27 KA4CVL/T* 13,038-236- 53-24 WD4MVP/N* 10,759-203- 53-30	WD6FGT/N* 25,949-317- 77-30 WD6BJK/T* 11,536-206- 56-30 KA6CZR/N* 4800-100- 48-15	KA8CZR/N* 5198-113- 46-30		ÀLH ALI,N8ASB,WB8s BTJ DSU ZFB,WD8AUX,oprs) 792,N8ASB
KA4EOW/N* 6240-146- 40-23 WD4ACG/N 5060-110- 46-29 KA4BPU/N* 4690-119- 35-30	KA6CZR/N* 4800-100- 48-15 WD6AHV/N* 3026- 74- 34-19	WD8PTU/N* 2992- 88- 34-21 WD8POG/N* 2601- 51- 51-30 KA8CRX/N* 2124- 59- 36-18	KAOCGM/N* 23,520-316- 70-27 KAOBLT/N* 16,968-293- 56-16	(+KA8s ALF ALG ALH ALLK8s
KA4BPU/N* 4690-119- 35-30	Sacramento Valley	KA8BKN/T* 672- 22- 21-10	WDØLU/N 29,996-464 64-29 WDØLV/N 27,404-403 68-29 KAØCGM/N* 23,520-316 70-27 KAØBLT/N* 16,968-293- 56-16 WBØSPX/N 16,775-260- 61-30 KAØBED/N* 15,544-258- 58-12	AQM KIC,WB8s BTJ DSU, WD8AUX) 200
	KA6AVS/N* 13,140-209- 60-28 KA6CDO/N* 10,260-171- 60-19	WD8AQH/T 630- 30- 21-16 WD8OTW/N* 528- 33- 16-15	WDØHWU/N* 15,435-245- 63-30 KAØCCF/N* 14,042-228- 59-17	Check Logs
5		WD8RWW/N 56- 8- 7- 4 WD8LKW/N* 6- 3- 2-15	KAØBIN/N* 11.284-207- 52-30	KIVUT,KAIAZT/N,KAIARB/N,
	Hawaii WH6AFE/N* 47,005-595- 79-30	WB8YNC/N 4- 2- 2- 3 KA8CLB/N*(+WD8NSD/N)	WDØBNP/N* 7208-126- 53-23 WDØEWD/N* 6700-100- 67-10 WDØELK/T* 5535-125- 41-28	KAZAOZ/N,W3QEI,WA3EEE, WB3DNI WA3IISW/A K4EIO
Arkansas	IOM: E/14 4/,000-050: /5-00	53,944-613- 88-30	WDØEWD/N* 6700-100- 67-10 WDØELK/T* 5535-125- 41-28 KAØCIT/N* 1200- 50- 24-19	KIVUT, KAIAZT/N, KAIARB/N, WIDA, WIJEC, WBIEBB/R, WIJEC, WBIEBB/R, WASACI, WBIEBB/R, WASACI, WBIEBB/R, WBI
WD5HZN/T 22,104-307- 72-17 WD5GRV/T* 18,444-318- 58-24 WD5BTM/N 12,432-212- 56-23	7	West Virginia WD8 DM V/N * 37 620.495. 76.28	Kansas	WD6FLV,KA7AHC,W7YS,
WD5CND/T* 6477-102-51-19		WB8WRY/N 34,224-481- 69-30	WB@YJT/N 21,889-361-59-30 KA@BUT/N* 20,522-321-62-30	W8VUV.WA8BHF/T.WD8LFQ. WD8PPQ/T.WD8RUP/N K9RK
KA5ADQ/N* 3060- 65- 36-21	Arizona KA7CME/N* 10.712-206- 52-24	WD8RMY/N* 37,620-495- 76-28 WB8WRY/N 34,224-481- 69-30 WD8QZA/N* 26,100-420- 60-29 KA8AEO/N* 26,025-332- 75-28 WD8KAC/N* 19,435-284- 65-16	WB@YJT/N 21,889-361- 59-30 KA@BUT/N* 20,522-321- 62-30 KA@CPD/N* 19,592-316- 62-28 WD@FTT/N* 14,340-239- 60-30	N9AIB, W9FSD, KAØAWN/N, KAØBAI/N, KAØCDM/N, SM2COP
KA5APD/N* 220- 20- 11- 8	KA/CME/N* 10,712-206- 52-24	MD8KMC/N- 13,433-284- 05-10		