

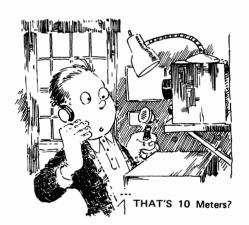
Results, 1st ARRL 10-Meter Contest

WA6FIT, Orange

REPORTED BY RICK NISWANDER,* WA1PID

THE FIRST ANNUAL 10-Meter contest was a smashing success by all indicators. This baby of the varied ARRL contest family opened its mouth at the moment of birth and let out a triumphant cry audible throughout the world. Even the short incubating period (necessitated by the desire to get something going quickly) seemed to have no ill effects on the eventual eventful outcome — 720 logs from 65 (out of a possible 71) sections and 29 foreign countries on all 6 continents. That stellar showing is, to a major extent, due to those who made a handful of contacts, because of various limitations, but still turned in their logs to bolster the totals. These are the unsung heros of this contest — not only did they increase the scores of some of the stations going out "for blood" but

*Asst. Communications Manager, ARRL



they also swelled the ranks of the "listed" to make this contest the biggest in log returns for a first-time event. In fact, in this premiere go-round the 10-Meter contest placed 4th, log wise, in the League contest structure – right behind SS, DX Test and FD. The amazement was rampant in these parts as log returns pushed past 500...600 and then...700 (gasp!) and it had us frantically searching for dictionaries and thesauruses (or is it thesauri?) in hopes of finding words which could adaquately explain the phenomenon.

The amazing part of the 10-Meter contest was that it was successful in spite of, not because of, the conditions. Anyone who as much as listened during the contest period knows conditions were "el-stinko" on December 15-16. However, perseverance and taking advantage of the various propagation modes 10 offers paid off with some nice QSO totals by a large number of participants. This contest shows what can be done on 10 during an average winter weekend when people get on and try. Ed Tilton, W1HDQ, author of the informative "Tips on Ten" article in March 1973 QST has this to say about the propagation shown on 10 during the contest: "If you took out the brief and scattered F-layer openings to the West Coast, inboard states and foreign countries, this contest was almost a carbon copy of 6-meter operation in the VHF Sweepstakes. There was ionospheric scatter in the morning hours (500 to 1200 miles), tropospheric scatter all the time, although better in the morning hours, and the typical VHF coverage of 150 miles, for the better stations, around the clock. It was the first time that I've heard these modes used to anything like their potential on 10. People work this kind of thing every weekend on 6 and they really pour it on on contest weekends. I'm sure that a lot a people learned something of the true potential of the 10-Meter band that they Roger, WB8NDC, used his TS-511 and a quad antenna to snag 106 QSOs and 17 multipliers — good enough for 5th spot in Michigan.

TOP TEN – SINGLE OPERATOR								
W/	VE	DX						
W1BGD/2 K3EST K7GWE WJ5SKY W5RTQ W5QQQ/7 W6RR K6SVL WA1MAO K7IDX	79,968 73,074 64,020 60,720 58,032 56,350 49,808 49,680 49,224 45,496	KZ5NG LU5HFI TI2WX LU8AJG PJ1VD ZF1AG XG1J ZE8JN YV1ACC CR6AI	122,056 58,788 43,276 37,696 28,612 25,100 13,908 8034 7788 6840					

would never have realized otherwise — which is certainly a laudable reason for sponsoring a 10-Meter contest. I just hope they don't forget what they learned until another contest."

Aye, there's the rub. We too easily forget what 10 can offer outside of a contest. The 10-10 Club (now over 8000 strong) has done much to increase the use and awareness of 10 for anything from local ragchews to DX QSOs. As they have shown, all it takes is people, gentlemen. This weekend why not drop in on 10 and call a couple of CQs? Don't tune the band and go away convinced that 10 has had it — call a CQ — after all, it takes a receiver and a transmitter to make a QSO.

The big challenge ahead for the 10-Meter contest is keeping the interest (and, in turn, the log returns) up. Things are going to get worse (propagation-wise) before they get better. Just remember, the QSOs are there, especially during the contest. All you need to do is make your presence known. If we can keep up the enthusiasm (and log submissions), this contest will become a viable part of the ARRL contest structure. Then, in 1977 or so, when conditions have improved, it can take on the appearance of a major operating activity.

The comment that seemed to permeate the soapbox was that the 10-Meter contest was "different" than other contests. In this one you could take time off to chat with others without having to worry about missing QSOs. The atmosphere was more relaxed, less demanding than other contests and all this made it seem more "fun."

WB9IFG and observant friend. David found it hard to "contest" when he was having so many local QSOs that consisted of more than 599 WIS.



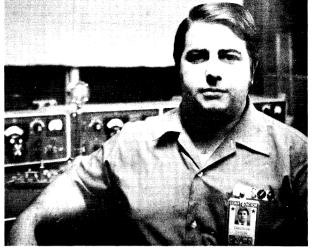
A number of persons remarked that the contest should be moved to sometime in the summer months to get into a time of the year when better conditions can be hoped for. Upon reviewing the contest calendar the only time that appears open is the beginning of August. What are your thoughts? Should the contest be moved to August or should it be left on the second weekend of December? The 1974 10-Meter contest will be held in December but your response to this question will help determine where the 1975 contest will be placed.

All the proceeding would be for naught if it were not for the added pleasure (the finishing touch, you might say) of a few wondrous words from our very own divine dispenser of devilish dictums, V. Y. Senny Tree, who said: "In an army, individual foot soldiers are lost in the shuffle. Such is the fate of the contest participant. However, without the soldier there would be no army and without the contester there would be no contest. Take heart in the fact that the battle is fought by the foot soldier who, most times, receives naught, but through whose sacrifices and efforts the war is won. For these, no task is too great and no praise is too sufficient. The ultimate test of the success of his part in the campaign lies in the heart of the man for each shall contend according to his abilities and each shall reap according to his toil."

SOAPBOX

The amount of 10-meter activity was amazing and I think this one should be an annual affair. — (W6EJJ). The 10-meter contest was great and I expect to do it again next year but I was a little lonely. Only four Generals condescended to come down to the Novice band but I got 'em all. — (WNØLFN). In my opinion this contest was better than Field Day. — (WB2DMI). Conditions were





Number 4 in the country and tops in Southern Texas is WA5LES, operator of WJ5SKY. That confusion creating callsign was a special one issued to celebrate the Skylab space mission. The QTH was at the Johnson Spacecraft Center near Houston.

DIVISION LEADERS

K3EST Atlantic K3IVO W9YT Central W9BGX WAØYKN Dakota WB5CMI Delta K8IDE Great Lakes WB8FUO Hudson W1BGD/2 WA2BOX WBØEZQ. Midwest **WBØCEH** WA1MAO New Engl. WA1LKU K7GWE Northwestern K6SSJ **Pacific** WB6WSL W4WSF Roanoke WB4TBO WØMS Rocky Mt. W4OZF Southeastern W4AQL W6RR Southwestern K6ELX WJ5SKY West Gulf WB5FKC VE3BMV Canadian VE3GAI

conditions were not good, they were interesting. From here they obviously favored Florida and Georgia. At night there was TE to $E_{\rm S}$ into Florida, Georgia and SC. Beam heading on this opening was 10 degrees East of North. At other times, when KZ5s were working Ws like mad, beam headings for Florida stations were 40 degrees West of North. W9DOB was worked with beam on South Africa on backscatter; with the beam on USA he could not be heard. — (LU5HFI). Enjoyed the contest despite a broken mic cord, stuck rotator and finally a call from irate neighbor with Indians in a stereo. — (WA3TZT). Enjoyed the contest. Conditions were stinko here. Heard a bunch of W1-4 stations but the sigs were S1 and lasted 3-5 seconds each. - (WOPAN). I hope band conditions for this year's contest will not discourage participation in 1974. Ten is amazing when it opens. - (WBOIWL). My little brother and sister decided to put up the Christmas tree and the electric train over the weekend. The blinking lights and the train were the loudest signals on the band. - (WA3TMR). Someloudest signals on the band. — (WA3TMR). Someone ought to outlaw 10-meter noise on contest weekends. — (K2KGB). The cw/fone mix gave many rusty keys an airing. — (G3IAS). This contest had lots of plusses — 1) Good night's sleep, 2) three square meals (not always when you want them), 3) chance to meet locals you never knew before. — (K8HBN). Had QRM from only two "roger four" stations. — (WN7UQV). Congratulations on a great, fun idea as evidenced by all the activity. — (K6SVL). In the middle of the contest the rotator froze up and I had to go fix it. I guess that's half the fun. — (WB9LDD). that's half the fun. - (WB9LDD).

poor Saturday and fair Sunday. Saturday's opening to the East Coast was so short that it was over before I even got started. – (W7IUO). I think you have succeeded in stirring up ten quite well and giving everyone a good excuse not to watch football for one whole weekend. — (WASWDZ/6). Sure hurts one's score not to have cw capabilities. on 10 for my 5BWAS. – (K8CVJ). It was amazing to me how many of the gang CQed themselves all the way through a twenty second or so opening. Some of those bursts of band-opening were really short. – (K9JCR). The best part of the contest was meeting many of the local hams I had never met and talking to some which I hadn't worked in years. - (W3FCI). Propagation conditions were very very poor, but do not let anyone talk you out of making this a permanent feature of the contest calendar. - (G3DME). Just like a regular contest the bands were rotten. – (WN1RHS). Band conditions were poor, really, but activity was large. Am amazed with the QSO total I had on what otherwise would've been considered a "dead" hand During the current maximum this considered that the current maximum this considered that the current maximum this considered that the current maximum this curr band. During the sunspot maximum this contest will be pure bedlam. — (W5RTQ). I really believe it was an excellent idea and should be continued without fail. I really can't find fault with any of the format. — (W6RR). Contest was great fun but Sunday's activity was precluded by my 4-year-old's demand that we build a snow fort. — (W3ZSR). A truly new and refreshing idea in contesting. Congratulations. Haven't had so much fun since my first VHF contest 8 years ago. - (WB2CST). While

NOVICE LEADERS

WN7UQV	-	-				-	-	-	-			8850
WN6ARK WN3UTA												3492
												2040 1840
WN6YPQ												1376
Other Novic												
WN2LOJ, WN9KLB.	١	٧r	14	E.	JJ,	,	W	N	80) C	ÞΕ	and

First Annual 10-Meter Contest

Scores are listed by section within call-area and by country within continent. The highest single operator in each section or country receives a certificate. The highest multiple operator station in each section or country and the highest Novice in each section will receive a certificate if there are 3 or more entries listed in that classification or if, in the opinion of the Awards Committee, the entrant displays exceptional effort. Read the listings (from left to right) call, score, QSOs, multiplier, hours of operation.

VE	WA1HAA 3400-100-17-11	WA2EXX 208- 21- 4-	WA3RWO 4488-127-17-13
Maritime	K1HRV 3300-107-15- 8	W2IUC 192- 45- 2- 8	W3TV 2760- 58-23-
VO1AW 816- 34-12-	WA1IEB 2180-108-10- 9 WA1MCY 1586- 59-13-	Southern New Jersey	WN3TBW 1000- 42-10-
VO2AG 432- 26- 8-	W1DDO 780- 38-10-	W2PAU 8046-148-27-11	WA3TMR 408- 29- 6- 2
VE1OC 40- 5- 4-	W1CRL 540- 54- 5-	W2FGY 5814-153-19-22	WA3QER 224- 25- 4- 3 K3LVO 18- 3- 3- 3
VE1AYJ 6- 3- 1- 6	WN1QKD 420- 28- 7-10	W2EKB 780- 30-13-	WN3UFI (+WN3URB)
Quebec	WA1PAZ 384- 46- 4- 4	WB2DMI 430- 43- 5- 4	944- 48-11-
VE2DNM 3920- 70-28-	WA1PGY 276- 44- 3- 5 WN1RNE 168- 28- 3-14	W2BAY 132- 33- 2- 4 WN2MMQ/2 (+M. Adams)	WN3VBM (+WN5JWT)
VE2JR 154- 11- 7- 3	WN1RIM 120- 18- 3- 8	280- 19- 5-	280- 28- 4-13
Ontario	WA1ROG 112- 26- 2- 5	Western New York	4
VE3BMV 11,628-151-38-	WN1RFD 88- 21- 2- 7	WA2BYJ 6950-138-25- 7	•
VE3HUM (VE3BVD, opr.)	WN1QNC 32- 14- 1- 4	WB2FNS 5250-104-25-12	Alabama
5882-169-17-12 VE3BFK 1144- 49-11- 6	WA1LKU (+WA1LAK) 5240-126-20-12	WA2ICB 3612- 83-21-17	K4MG 7134-122-29-
VE3BFK 1144- 49-11- 6 VE3CKU 1098- 61- 9-15		W2EOS 2226- 52-21-18	K4ZGB 2496- 77-16- 7 W4RAL 696- 29-12- 6
VE3BOK 992- 62- 8-36	Maine	W2MDM 552- 46- 6-	WB4UKU 594- 33- 9- 6
VE3AUI 136- 17- 4-	W1GKJ 4628- 85-26-12	WA2BAO 238- 17- 7- 1 WB2JNE 130- 12- 5- 7	WB4ADT 132- 11- 6- 1
VE3GFW 28- 14- 1-	New Hampshire	WB2HDK 120- 10- 6- 1	Georgia
VE3GAI (+VE3GAF)	W1BPW 7776-143-27- 6		W4GIW 14,596-178-41-12
3042-115-13- VE3GYQ (+VE3CDR)	W1DXB 576- 32- 9-	3	K4EZ 9628-166-29- 8
2496-104-12-36	Rhode Island	Delaware	WB4RUA 8280-112-36- 8
Alberta	K1IKN 13,440-190-36-21	K3HBP 448- 28- 8- 5	W4KNW 5880-105-28- 9
VE6AXD 3672-102-18-	K1EGH 6554-112-27- 4	Eastern Pennsylvania	K4BAI 2556- 71-18- 8 K4TWK 2550- 75-17-12
VE6BAS (+VE6BAY)	WA1MQO 6250-125-25-15 K1HMO 820- 41-10-1		K4HQI 2280- 76-15- 4
2432- 64-19- 4	WA1QOG 510- 49- 5- 6	W3BGN 26,296-346-38- WA3NAF 16,124-274-29-	WB4QGN 2268- 63-18-
		WA3ELQ 8904-212-21-18	WA4APG 2142- 63-17-11
British Columbia	Vermont	WA3RBN 8748-162-27-	WA4EMA/4 672- 48- 7- 6
VE7AGN 4576- 88-26-	W2AX/1 10,680-176-30-13	K3AWZ 8188-178-23-	W4ZWT 320- 16-10-11 W4GXW 6- 3- 1- 1
U.S.A.	2	K3DPQ 6854-149-23-	W4AQL (WA4UFT WAØWVN)
0.3.A.		G3HLW/W3 6820-151-22- W3NM 5396-141-19-14	1656- 69-12- 8
1	Eastern New York	W3QOR 2652- 78-17- 3	Kentucky
Commentions	W1BGD/2 79,968-708-56-20	WA3GJA 2478- 59-21-29	WA4JQS 13,608-162-42-17
Connecticut	WA2EAH 12,090-155-39-15 K2DW 6802-179-19-15	WA3RID 2130- 71-15-	WB4SIJ 6604-124-26-12
WA1MAO 49,224-580-42-	K2ARO 5600-112-25-	W3HMR 1920- 62-15- 9	W4KFB 1248- 46-12- 7
WA1NNC 29,184-376-38-17 WA1PID* 28,810-330-43-11	WA2RQH 1900- 49-19-14	WA3VUC 1820- 70-13-15 W3ARK 1560- 50-15-	WB4ASW 976- 61- 8- 6
K1JHX 26,270-354-37- 8	WB2EQD (+WB2EJE WN2s	K3ZOL 1534- 58-13-	WB4TPU 936- 78- 6- 2
W1SG 25,270-357-35-18	RKF RKI SDM)	W3ETB 1364- 62-11-12	W4YOK 110- 11- 5- 1 W4TBU 84- 7- 6- 4
W1FTX 18,744-209-44-17	1690- 60-13-	WA3RPG 580- 58- 5-19	
WA1KOC 13,632-209-32-13	N.Y.CL.I.	WA3RHX 432- 36- 6- 3	North Carolina
WA1CQW 12,720-212-30- 8 WA1ABV* 11,368-203-28- 5	W2FVS 22,638-331-33-	WN3UDV 432- 16- 9-15 W3JEY 320- 32- 5- 7	WB4JYB 12,792-151-41-
K1BCG 11,312-202-28-25	WB2MAN 15,718-264-29-16	WN3UDS 152- 12- 4-	WA4MDW 1512- 54-14- WN4BSN 144- 8- 6-12
W1AJO 7128-129-27- 9	K2KGB 12,920-161-38-18 WB2UZU 10,032-219-22-	WA3TMP 126- 21- 3- 3	K4JO 126- 9- 7- 5
W1FBY* 5474-119-23- 3	WB2UZU 10,032-219-22- WB2FJX 8832-184-23-13	WA3RCA (WA3s OVH TMP)	K4CAX 2- 1- 1-
WA1NLD 4192-129-16- 6	WA2DLV 6302-137-23-	492- 41- 6- 6	Northern Florida
K1GUD 3692-140-13- 8 K1ZND* 3638-103-17- 2	WA2VEN 6048-134-21-16	Maryland-D.C.	WA4BTC 17,850-255-35-16
W1BIH 3564-161-11- 2	W2LEJ 5832-162-18-15	K3EST 73,074-636-57-	WB4VUP 12,152-193-31- 9
W1FLM 3416-122-14- 3	W2JFG (WB2JSJ, opr.)	W3KDD 29,412-384-38-14	WA4ZJI 4968-108-23-11
W1DEP 3230- 95-17-15	5208-124-21- 4 5200-123-20-	W3AZD 27,142-331-41-18	WB4SQA 1232- 44-14-
K1HTV 2964- 57-26-	WB2GXW 4032-125-16-14	WA3EPT (WB2MZE, opr.) 20,868-282-37-	W4EEO 242- 11-11-
W1 HDQ 2592-101-12- 7 WA9AUM/1* 2376-107-11- 6	WB2LYB 3836-128-14- 7	W3IN 20,150-316-31-13	South Carolina
K1MUJ/1 (WA1HYN, opr.)	WA2FHF 3614-131-13-	W3BQV/3 14,880-246-30- 8	K4GRD 4850- 97-25-
2140-104-10- 5	K2MFY 1742- 65-13- 3 W2KDI 1610-106- 7-12	W3ZSR 13,832-241-28-13	WB4LRK 2144- 67-16-
W1TX 1464- 61-12- 5	W2ILP 1040- 65- 8-	W3GN 12,960-214-30-	K4SLX 2040- 68-15-
WA1NBR 1414-100- 7-	WA2OQO 924- 66- 7- 6	WA3ELE 12,816-173- 36- 21 W3HVM 10,580-222-23-16	WA4DLY/4 682- 30-11- 3
WA1RZA 1210-119- 5- WA1OPB 1200- 75- 8-14	WA2SUH/2 760- 65- 5-16	W3EZT 6188-179-17- 3	K4FRX 44- 11- 2- 1
K1IAX 1134- 81- 7-13	WB2DQP 744- 61- 6- 9 W2TUK 710- 71- 5- 1	W3AXW 4608-128-18-	Southern Florida
W1MBX 1008- 70- 7-	W2TUK 710- 71- 5- 1 WN2LOJ 684- 47- 6-16	WA3TZT 4416-137-16-24	Southern Florida W4OZF 38,000-375-50-
K1RLU 940- 47-10- 4	WN2NDR 570- 45- 5- 9	W3HII 3424-107-16-12 W3KMV 2910- 94-15-	W4OZF 38,000-375-50- K4DBZ 27,888-331-42-
WN1 RID 920- 41-10-13 W1TEE 896- 56- 8-13	WN2ROK 570- 43- 5-12	W3PWO 2736- 76-18-10	WB4OSN 20,424-267-37-25
W1TEE 896- 56- 8-13 W1NPG* 812- 58- 7- 4	WN2IDS 336- 43- 3-10	WA3OHG 2548- 88-14- 8	K4KQ 17,024-221-38-20
W1RML 714- 51- 7- 3	WB2NXF 300- 30- 5- 3 WA2UDS 264- 39- 3- 7	W3DOS (K3KWJ, opr.)	WB4ORS 15,260-217-35-36
WB9FJT/1* 400- 40- 5- 4	WN2HKY 104- 19- 2- 9	2208-134- 8- 9	W4BRB 9060-146-30-11 W4BAA 8382-123-33-13
WA1MBK* 342- 55- 3- 7	W2CUQ 78- 13- 3- 1	WN3UTA 2040- 92-10- W3LVC 1696-106- 8-	W4BAA 8382-123-33-13 WA4SDK 6960-114-30-20
WA1QEP 180- 44- 2- 2 W1RW* 150- 25- 3-	WB2AMU 20- 7- 1- 2	W3FA 1672- 73-11- 5	W4BJ 5600-100-28-13
W1RW* 150- 25- 3- K1WJB 108- 18- 3-	WB2GDB 12- 6- 1- 1	W3CDG 1496- 44-17-	K4CYF 5252-101-26-
WA1MTZ 88- 21- 2-	WA2BOX (+WB2CJN)	K3IMC 1456-102- 7- 8	W4VJH 3584-112-16-
WN1RHS 66- 10- 3-11	8850-172-25- WN2RLF (+WN2RHE)	WA3THD 1430- 62-11-	WB4QFH 3120- 78-20- 7
WA1RSG (W1ARR, opr.)	1316- 73- 7-30	W3DO 1260- 70- 9-13 W3FCI 950- 93- 5-	W4HOS 2816- 88-16- 7 W4WVB 2508- 66-19- 8
32- 8- 2-	Northern New Jersey	W3ENS 310- 31- 5- 4	K4NE 2310- 75-15- 3
WA1PHJ 12- 6- 1- 1 W1AW (WA1MBK WA3JSU)*	W2YT 42,488-447-47-	W3HH 304- 19- 8- 1	WB4ALH 1920- 60-16-13
1512- 82- 9- 4	WB2QYT 42,488-447-47- WB2QYT 22,952-293-38-	WN3UHO 244- 57- 2-	W4JIK 1768- 67-13-
	WB2LDN 8580-165-26-17	WA3MKC 192- 16- 6- 1	K4EYT 1728- 48-18- 8
Eastern Massachusetts	K2DT 4640-116-20-16	WA3URV (WB2NOM, opr.) 160- 39- 3- 1	WB4ZVF 1116- 61- 9- 6 K4FRG 954- 53- 9- 8
K1AGB 15,750-219-35- W1CWU 14,256-198-36-	WB2VKZ 3078- 57-27-	K3IVO (W3DPU WA3s OEJ	W8BZY/4 936- 36-13-
W1PL 13,896-187-36-14	WA2DNY 2632- 90-14- 7	TDZ WA9WGW)	WB4PXW 792- 66- 6-
W1MX (WA8PJJ, opr.)	WB2CST 2052-109- 9- WN2MFM 1840- 70-10-	5436-148-18-	W4DWN 660- 33-10-
10,974-172-31-	W2KHT 1712- 92- 8-11	Western Pennsylvania	K4BZH 180- 17- 5-
WA1LZA 8154-148-27-12	W2FHN 1080- 54-10-	K3DE 12,276-193-31-29	K4HTU 168- 12- 7- WA4JJY 70- 7- 5-
K1OZS 3686- 97-19- W1AX 3650- 72-25-	W2HN 984- 72- 6- 7	W3SDV 11,152-157-34-	WB4OGW (+P. Adamson)
111A 3030-12-23-	K2QBW 660- 30-11- 2	WA3INW 5364-149-18-10	980- 48-10-

Tennessee	6	WA6JVD 8120-140-29-	Ohio
K4ZLE 1830- 60-15-	East Bay	W6KYA 6156-112-27- W6LOI 3388- 77-22-	W8UNB 18,778-229-41-
WB4NDX 1248- 48-13- WN4FGA 8- 2- 2- 4	WA6ZPL 8448-132-32-17	W6NJU 420- 30- 7- 1	K8MFO 10,416-162-31- WA8ZAN 9128-161-28-
	WA6JVZ 2016- 70-14- 9	WA6YZD 264- 33- 4- 7	W8DB 6272-111-28- 8
Virginia	W6RQZ 1716- 66-13- 6	-	K8YQW 6164-131-23-10
W4WSF 41,280-429-48-25 K4VX 34.900-349-50-	W6MSB 864- 36-12- 3 WN6WVH 80- 9- 4- 5	7	WB8IAY 5500-124-22-16
W4UPJ 34,496-391-44-22		Arizona	WB8MMF 4640-112-20- WB8AMI 4104-106-19-
W4KFC 32,752-353-46-	Los Angeles	W7YU 18,504-257-36-	K8HBN 3822- 91-21-
W4IWZ 29,216-324-44-26	W6RR 49,808-560-43-16 K6SVL 49,680-552-45-16	K7PXI 15,960-228-35-	W8ERD 2850- 72-19-
K4LSD 15,022-200-37-21 K4LDR 14,906-251-29-	W6KNC 30,384-415-36-12	W7ZMD 6400-128-25- K9DKW/7 5658-123-23- 8	WB8KQJ 2100- 70-14-17
K4GMH 8600-213-20-	W6OAL 12,460-178-35-	WA7WMG 3002- 79-19-	WB8GSO 1408- 63-11- WN8OOE 1136- 57- 8-15
K4UEO 6930-158-21-10	WA6KKS 10,150-175-29-	K7BLU 2646- 63-21- 9	W8KOI/8 1008- 57- 8-
WB4SLS 6854-149-23-20	W6EJJ 8512-148-28- 8 WA6RQP 6554-112-29-20	W7LED 1734- 51-17- 9	WB8PHI 1008- 54- 8-11
WB4YPT 4422-198-11-28 WB4HQE 4350-144-15- 6	WA6IYK 6450-127-25- 9	WN7UVX 820- 29-10- K7NEQ 216- 12- 9-	K8MLO 988- 38-13-
W4KMS 1952- 60-16- 8	W6LUL 5192-114-22- 8		W8AVH 848- 53- 8- W8MH 756- 53- 7- 4
WB4TEL 1566- 87- 9- 4	WB6QVD 4720-118-20-	Idaho	WB8BDG 630- 45- 7-
W4 YZC 1188- 64- 9- 4 K4EBY 672- 80- 4-16	K6YB 3300- 74-22- 7 WA6OWM 3192- 83-19- 2	K7NHV 8100-150-27- W7IUO 2496- 78-16- 6	K8CVJ 560- 28-10- 6
W4GF 644- 44- 7-	W6RTT 2552-111-11- 8	W7VSS 2376- 66-18-	WB8CCZ 408- 51- 4-
WN4EJJ 420- 36- 5-11	K6NA 2156- 77-14- 3	W7HZL 450- 25- 9- 6	WB8KMC 384- 30- 6- W8NPF 352- 20- 8- 5
K4JM 400- 23- 8- 4	W6SGJ 2052- 52-18- 5	Montana	W8JRN 220- 21- 5- 5
W4NO 392- 28- 7-	WA6HXF 1416- 59-12-12 K6OVN 1368- 38-18-	WN7VGT 1272- 38-12- 5	K8OGH 144- 18- 4- 2
K4PCL 264- 22- 6- WN4EXP 126- 18- 3- 6	WA6VUD 946- 43-11-	W7LR 680- 34-10- 2	WN8OUE 144- 14- 4-
W4RL 108- 27- 2- 2	WA6ZKI 720- 33-10- 6	Nevada	WB8ODS 102- 16- 3- 4 WN8PJR 90- 12- 3-
K3CLX/4 56- 14- 2-	WA6PXY 54- 9- 3- 1	W7TVF 7000-140-25-	K8KSN 72- 12- 3-
WB4PMG 32- 8- 2- 1	K6ELX (+WA6FFZ) 15,176-262-28-17	WA7CYC 5588-127-22- 6	WN8LZT 4- 2- 1- 1
WN4DHY 12- 4- 1-10 WA4BIX 4- 2- 1- 7	W6VPZ (K6KH W6s CFM LYY	W7WE 4350- 87-25-	W8LT (WB8s IBZ JXS)
WB4TBO (+WA4s BFY BKQ)	NYB WA6BIL)	K7ICW 2808- 78-18- 3	3000- 73-20-20
26,480-325-40-26	232- 28- 19	Oregon	West Virginia
WA4YBV (+W4THU WB4KJF)	WN6UCC (+WN6UFW) 1904- 58-14- 4	WA7PEZ 12,462-198-31-	WB8MOI 3306- 86-19-11
9398-127-37- WA5DJJ/4 (+W4YHK)	Orange	WA7FAB 12,210-184-33-18 W7QK 8178-141-29-	W8FER 1960- 70-14-14 WB8IJW 1800- 72-12-
1360- 39-17-	WA6FIT 26,144-340-38-14	WA70EM 6048-103-28-11	WASUUY 518- 37- 7- 4
	WN6ARK 3492- 82-18-	W7IMP 5562-101-27-	WB8EKG 380- 38- 5-
5	WB6UNX 3162- 90-17- 8	WA7NNU 4050- 72-25-18	W8JWX 30- 5- 3-
Arkansas	WA8WDZ/6 3160- 79-20-12 WN6YPQ 1376- 37-16- 5	WA7GOO 2656- 68-16- W7ZI 992- 31-16- 5	9
WB5ANK 4424- 76-28-16	K6URA 576- 28- 9- 3	WN7TDZ 486- 20- 9-12	
Louisiana	WA6MNV (+WB6MRS)	WN7TWP 96- 10- 4- 2	Illinois
WB5CMI 5664-118-24-15	1040- 40-13- 7	W7IWN 70- 7- 5-	W9DOB 26,230-300-43-
W5WMU/5 5346- 99-27- 7	WN7SVN/6 (+WA4YQQ) 752- 38- 8-	Washington	W9YYG 11,820-194-30-11 WB9EBP 7348-167-22-11
WB5HGH 5014-107-23- 8	Santa Barbara	K7GWE 64,020-582-55-24	K9EGA 6540-109-30-
W5HGT (WB2UFG, opr.) 2604- 62-21-	K6QPH 31,906-371-43-	W5QQQ/7 56,350-567-49-28 K7IDX 45,496-505-44-23	W9DL 4560-108-20-10
WA5QBX 1440- 40-18- 1	W6UA 15,444-198-39-	K7IDX 45,496-505-44-23 W7BGH 27,300-325-42-	W9KDR 3128- 67-23- W9QWM 1888- 59-16-
WB5GFB 624- 24-13- 8	WB6VGC 5340- 89-30-14	W7VRO 18,924-249-38-	W9QWM 1888- 59-16- K9KZW 1848- 84-11-12
WAØFEQ/5 180- 16- 5-	W6JEO 340- 15-10- 3	W7WMY 10,614-180-29-	WA9LEY 1496- 68-11-
W5YMX 140- 10- 7-	WN6TTH 168- 9- 6-	WN7UQV 8850-139-25-17 K7MKS 7560-123-27-	W9VBV 1342- 57-11- 2
Mississippi	Santa Clara Valley	W7MCU 4988- 84-29- 5	W9RHE 1312- 82- 8-13 WB9LDD 1264- 76- 8-15
W5NCB 720- 40- 9- 4	K6SSJ 30,358-353-43- W6OCP 18,772-246-38-	W7GLS 4150- 83-25-	WB9IFE 1056- 66- 8- 9
New Mexico	W6OCP 18,772-246-38- WA6GFY (WB6EXW, opr.)	W7DFO 3440- 82-20- 7	WB9KLW 918- 48- 9-12
W1FCC/5 6156-113-27-20	15,774-238-33-	W7BCT 3402- 81-21- 6 K7MOK 3168- 71-18-	W9UDK 780- 39-10- 3
WA6BDY/5 1320- 55-12- W5RE 12- 3- 2- 1	WA6NDN 6240-119-26- 9	W7GYF 2040- 60-17- 1	W9HPG 696- 51- 6- 8 W9IB 650- 59- 5-
	WA6UOM 4872-106-21-10 W6CLM 2622- 68-19- 5	K7KGP 1752- 70-12- 5	WB9KKX 450- 45- 5- 9
Northern Texas	WB6KSZ 666- 36- 9- 3	W7 AF 696-58-6-3 K7GGD 168-12-7-1	WN9KLB 400- 32- 5-
W5LUJ 16,082-186-43- W5SZV 5940- 99-30-15	W6GWQ 280- 20- 7-	K7GGD 168- 12- 7- 1 W7SEH 96- 12- 4-	WN9MMT 390- 32- 5- W9YYV 324- 27- 6-
WBØIMC/5 1872- 77-12-	W6PAA 216- 27- 4- 1	WA7IOF 42- 6- 3- 2	W9YYV 324- 27- 6- WB9ETY 318- 53- 3- 6
K5CSM 1430- 55-13-15	WA6HAD 14- 6- 1- 5 WB6WSL (K6ODK JWA6LIJ	WN7WLG 30- 12- 1- 2	WN9LVM 230- 29- 6-
W5QGZ 1184- 73- 8- 2	WA9UCE F. Bowers)	8	WA9TWE 174- 29- 3- 9 W9REC 160- 18- 4-
Oklahoma	43,992-452-47-	Michigan	W9REC 160- 18- 4- WA9SVZ 120- 15- 4- 1
K2GKK/5 5336- 92-29-	WB6JOD (W6KHS WA6s CCR TKE)	K8IDE 20,580-243-42-22	WN9JPX 84- 15- 2-
WA5VAP 90- 9- 5- 4	5346- 81-33-	K8NWD 10,692-197-27-18	W2UJ/9 16- 4- 2-
K5DEC 8- 2- 2- 1	San Diego	WB8BGY 8584-145-29-25 W8KPL 4560- 92-24-	W9HOT 12- 3- 2- 5 W9BGX (WB6NOQ WA9ULU)
	W6RCD 27,434-319-43-	WB8NDC 3604-106-17-15	13,166-222-29-24
Southern Texas	W6PQF 4944-103-24-12	WA8FRE 3230- 85-19-14	WN9JEN (+WN9MQN)
WJ5SKY (WA5LES, opr.)	WA6UFY 650- 25-13-	W8DSO 3136-112-14-17 W8HNI 2200-100-11-10	1280- 64- 8-36
60,720-504-60- W5RTQ 58,032-464-62-20	K6SK 506- 23-11-	W8HNI 2200-100-11-10 WB8AAX 2016- 63-16- 8	Indiana
WA5ZNY 34,216-327-52-20	San Francisco	WB8NVD 1092- 75- 7-	DJ6RD/W9 14,352-180-39-26
WB5ESW 25,480-260-49-20	WNØHWZ/6 84- 6- 6-10	WB8NCD 954- 53- 9- 5	K9OTB 13,440-205-32-
WB5FVT 9024-141-32-13 WA5TPO 5886-109-27-	W6BIP (+WA6DJI) 22,320-266-40-	WB8KPZ 864- 48- 9- WB8DSG 350- 34- 5-	WB9CEP 7680-125-30- K9JCR/9 4400- 99-22-27
W5RO 2640- 66-20- 7		WN8PBE 336- 25- 6-	K9HDP 2848- 87-16-
K5EWJ 2580- 83-15-10	San Joaquin Valley W6VKS 5886-107-27-12	K8BGZ 260- 26- 5- 3	W9SFR 2040- 57-17- 5
W5PXZ (WB5DNA, opr.)	W6YKS 5886-107-27-12 WA6CPP 2100- 70-15-	WB8CCS 252- 20- 6-16	WB9HZD 1104- 44-12- WB9IWN 1104- 68- 8-
1652- 59-14- 7 K5PFL 684- 38- 9- 1	W6PSQ 1728- 54-16- 2	K8DJR 180- 42- 2- 5 K8OOK 180- 17- 5- 6	WB9BAP 324- 26- 6-
WN5JID 660- 23-10-	Sacramento Valley	WB8HDB 180- 17- 5- 6	W9UC 276- 23- 6- 7
WA5ZBN 580- 24-10- 2	WA7EQW/6 27,810-309-45-	WN8QXR 42- 6- 3-	WN9LMT 232- 21- 4-
K5RVF 558- 31- 9- 3	WA6GHH 11,154-169-33-	WB8FUO (+W8JLT)	W9JGH 114- 16- 3- WN9NEU 56- 6- 4-
WA5FOE 260- 26- 5- 7 WB5FKC (+WN6SHZ)	W6GVM 10,744-158-34-	10,962-196-27- WA8JXE/8 (+WB8IJE WN8ONW)	W9YB (WA7USG WA9VY)
528- 22-12-16	WB6POQ 10,304-161-32-	600- 29-10-	WB9s DXK KPT)
	K6MQX 8700-145-30-14		

W	4176- 84-24-13	WBØJQA KØWEX WØOHY	336- 26- 6- 294- 21- 7-11 224- 16- 7- 8	VS6AW	Hong Kong 410- 41- 5-	Cayn ZF1AG	nan Islands 25,100-251-50-20
W9YT (K9LE	30,060-333-45-	WNØJEN WNØICI	224- 16- 7- 8 130- 10- 5- 2 90- 14- 3- 5 88- 21- 2- 5 72- 18- 2- 2		EUROPE	00	CEANIA
W9DUB	16 490-201-40-15	WØERZ	88- 21- 2- 5		Germany		Guam
W9MLW WB9JLJ	2926- 77-19- 8 480- 30- 8-10	WØMQL	72- 18- 2- 2	DL1GN	Germany 110- 11- 5-	KG6JAR	328- 41- 4-
WB91EG	184- 23- 4- 5	WAØVTC WBØCEH (+	64- 7- 4- 3	DJØLC	16- 4- 2-	Hawa	iian Islands
WN9MVV	184- 23- 4- 5 2- 1- 1-13	МЪИСЕП (7	20,202-258-39-27		England	кн61Ј	5824-112-26-16
				COMPT	2422 7616	KH6GMP	3840- 80-24-17
	olorado CMM, opr.) 11,396-153-37-	Kernin/d	2048- 64-16-15	G3IAS	1274- 91- 7-13 1064- 28-19- 784- 49- 8-13	KH6SP (WB2	
C	olorado	WRGETK	2048- 64-16-15 104- 13- 4- 5	G3IOR	1064- 28-19-	WDOOLD/WI	3344- 76-22-
WØMS (WBØC	CMM, opr.)	WDWITK	104-15-4-5				462- 33- 7-24
	11,396-153-37-	50	utn Dakota	GZDVIN	594- 33- 9- 6 echoslovakia 60- 6- 5-		
	5670-105-27-25			Cz	echoslovakia		ston Island
WAØEGZ WBØJTV	2280- 60-19- 1794- 68-13-14	WRØELN	30- 5- 3- 1 16- 4- 2- 1	OK 1 DV K OK 1 MP	60- 6- 5- 48- 6- 4-		
WAGYNO	174- 08-13-14			OK 2PAW	32- 4- 4-	A	ustralia
WBØBLE	132- 22- 3-11		DX			VK4TL	1230-123- 5- 1120- 56-10-
WOIZV	96- 16- 3-		DX AFRICA		Denmark	AX3XB	1120- 56-10-
WBØIWL	64- 32- 1- 7		AFRICA	OZ3PO	216- 18- 6-	Nev	v Zealand
WNØLFN	20- 5- 2-11		Angola	023DX	216- 18- 6- 36- 9- 2- 8- 2- 2-	ZL2ACP	3618- 67-27-
WØHEP	18- 8-1-1	CR6AI	6840- 95-36- 6	02301	0- 2- 2-	ZL1 AGO	3618- 67-27- 896- 32-14-
	Iowa	CHOIL	Angola 6840- 95-36- 6 Liberia 4624- 68-34-12		Sweden		
WBØFZV	1558- 41-19-	FLADO	Liberia	SMØKV	130- 13- 5- M5s EFX EOS)	SOUT	H AMERICA
WBØCQO	594- 33- 9-	EL2DG	4624- 68-34-12	SK3GV (S	4- 2-1-1		
WØII WBØBPH	112- 14- 4- 2		Rhodesia				cuador
WAØVBW	32- 8- 2-15 28- 6- 2- 4	ZE8JN	Rhodesia 8034-101-39-10	CDODII	Poland	WB5EJJ/HC1	1350- 45-15-
				SP9DH	Poland 84- 7- 6-	C	olombia
KØCML	5432- 97-28-		ASIA Japan	Eu	ropean RSFSR	HK1CMX	3627-117-31-
WARVD	3520- 88-20-34		Japan	UA1DX	90- 9- 5-	IRICMA	
WAØTKJ	2310- 53-21- 8	JA1RUJ	1656- 92- 9-		Lithuania	A,	rgentina
KØIEW	1650- 54-15-12	JA9AG	1656- 92- 9- 1120- 40-14-	UK2BAO	(UP2s 038-2071	LU5HFI LU8AJG	58,788-426-69-
WAØDOZ	2310- 53-21- 8 1650- 54-15-12 336- 21- 8- 8	JA3ZBI	832- 32-13-		038-4671)		
	innesota	JH1EFC	336- 21- 8-		180- 15- 6-		
WAØYKN	3168- 95-16-	JA3XRC	210- 21- 5-	NO	DTH AMERICA	PJ1VD	28,612-293-46-
WOPAN	2190- 72-15- 8 276- 45- 3-11 116- 24- 2-	JA3JM	180- 18- 5-	NO	RTH AMERICA	v	enezuela
WØOWY	276- 45- 3-11	JA6RCH JH3GCN	180- 18- 5- 170- 17- 5-	Don	ninican Republic	YV1ACC	7788-118-33-
WNØHVQ WØOZX	116- 24- 2- 96- 23- 2- 4	JA5BLF	168- 14- 6-	HI8EJH	2080- 80-13-		
		JA1KSJ	144- 18- 4-	HI8XAW	1092- 39-14- 9	MARIT	TIME MOBILE
=	lissouri	JA1VZ	114- 19- 3-		Canal Zone		
WBØEZQ	6670-115-29-11	JF1RPZ/4	108- 9- 6-	KZ5NG (WA4UAZ, opr.)	W1ZH/mmR	200- 20- 5- 3
WØGNX WØEEE	6000-100-30- 7 4100- 82-25-	JH3AKD JH2LMH	96- 16- 3- 36- 6- 3-		1 22,030- /90- /0-		heck Logs
WBØCCF	2670- 87-15-15	JA1BUI	32- 8- 2-	KZ5BB	4480- 80-28-		WIYK, W3ADE,
WAØLEM	1944- 81-12- 8	JAIAAT	30- 5- 3-		Costa Rica		V4JUK, WB4AXL,
WØHBH	1558- 39-19- 3	JA1ZSX	2- 1- 1-		43,276-348-62-	W5TI, W	6ABN, WB8NTY,
WØCDC	900- 44-10-	JA3YBF (JA2WAJ JA4LIK			KØCHE,	KØOEĹ, JF1GKF,
WØJKF	380- 16-10- 3 360- 34- 5- 6	JA6QQZ JA	A9EQN JH3NNN)		Mexico 13,908-183-38-5	SMØBDS,	SMØIX, 5T5CJ.
WBØGGO	300- 34- 3- 6		1408-44- 16-	XG1J	13,908-183-385		