23rd ARRL Sweepstakes Results

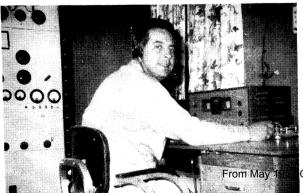
Part I-C.W.

NE THING about the SS: the rules are simple as mud and you can learn the ropes in thirty minutes on the air. You swap NR4 W6XXX 579 SF NOV11-type preambles as often as possible. For the two points per contact (before any multipliers) the five "message" elements must be rogered for in both directions. Which means you have to communicate. Now every amateur worth his salt loves communicating and so you never run out of customers. even when you stick at it for the 40-hour maximum. And coming in 15th or 25th can be as much fun as leading the section, provided one lands new states or doubles his code speed or makes the "clean sweep" - and there are 101 other ways to get your feet wet in the SS and have a whale of a time.

Inasmuch as every recent SS has been bigger than the one before, followers of contests will scarcely swoon at the news that the 23rd smashed all past records with 1960 entries (1435 c.w., 525 phone) present and accounted for. The facing tabulation identifies the 73 brasspounders who came, saw and conquered in their respective ARRL sections in 1956. If you were a winner, FB and congratulations! If not, maybe you'll want to study the meat in this report and enhance your chances of becoming one in November, 1957. For one thing, take note of the wide play that ten and 15 meters are getting as the solar-peak days approach.

Scorewise, the prevailing winds were from the South, it would seem, as just three entrants registered scores of 200K-plus and all were Fours. They have thousands of SS manhours behind them and you will recognize their calls: W4KVX, W4KFC, K4LPW (better known as ex-W3DGM). Their scores were 227,213, 219,000 and 204,660. You will also recognize these others who netted above 150,000 points: W6BJU (W6CUF keying) 198,000, W3EIS 185,670, W8FGX (W8EZF opr.) 182,568, W9YFV 180,720, W9OCB (multi-

If you found Nevada, the odds are ten to one that this is the fellow who made it possible. Las Vegas' W7KEV held sway in his call area and always-rare section with a withering 173,649 points, the U. S. A.'s 11th best code total. Ed's formidable forward gain derives from this antenna farm: a 40-meter zepp.



operator) 178,588, W9APY 176,138, W8LQA 174,600, W7KEV 173,649, W1BFT 172,885, W4YHD 165,710, W3VOS 162,360, W9RQM 161,350, W6YMD 157,096, W3JNQ 156,023, W3EIV 155,845, K6QJJ 153,658, W3MSR 153,270, W3AEL 152,575, K6CEF 151,840. Canada's champs proved to be VE3DSU 110,513, VE3VX 85,593, VE3EAM 85,090, VE3ES 74,725, VE2ADD 64,417.



VE8JW assumes the fighting stance with which he salted away 64,253 points, no cinch from aurora-ridden Whitehorse, Yukon. Earl, ex-VE4ALE-VE7ALE-VE7MW, anticipates more steam come next SS thanks to 14-Mc. horizontal and 7-Mc. vertical beams just completed.

The following call-area comparisons reflect the peak of competitive effort geographically:

the peak of	competit	ıve effort geographı	cally:
W1BFT	172,885	KP4DH	100,328
W2CQB	134,575	KZ5BC	19,796
W3EIS	185,670	VE1CU	220
W4KVX	227,213	VE2ADD	64,417
K5CAW	138,006	VE3DSU	110,513
W6BJU	198,000	W3MCG/VE4	11,019
W7KEV	173,649	VE5DZ	39,329
W8FGX	182,678	VE6MA	51,975
W9YFV	180,720	VE7JO	47,250
WØCDP	129,666	VE8JW	64,253
KH6MG	92,140	VO6N	19,550
KL7MF	17,325		

The rarity of Vermont, Mississippi, and certain Canadian multipliers notwithstanding, these 27 amateurs contacted all 73 sections: W1s EOB HX JYH VG, W2IVS, K2KCE, W3s GRF MFJ PZW VAN, W4s BEY CVI IHN KFC KVX LYV YHD, W6s BIP BVM HOC PYH TT YMD, K6CEF, W7s KEV, TKB, WØCDP. It should be recorded for posterity that, by dint of placing diligent section-searching above all else, W4IHN swung the "clean sweep" in a measly 108 QSOs, W1HX did it in 130, and W7TKB in 212.

QST for

QST © ARRL

C. W. WINNERS, 23RD A.R.R.L. SWEEPSTAKES

Section	Call	Score	Transmitting Equipment	Receiving Equipment	Bands Used
E. Penna.	W3JNQ	156,023	Lysco 600-813	HRO60	80, 40, 20, 15
MdDelD. C.	W3EIS	185,670	Command Sets-813	BC342, Q5er, c.c. conv. (10, 15)	80, 40, 20, 15, 10
S. N. J.	W2HDW	110,773	DX100	HQ140X	80, 40, 20
W. N. Y.	W2SSC	124,783	Ranger	75A3	80, 40, 20, 15, 10
W. Penna.	W3VIW	128,240	Sig. Shifter-813s	HQ129X, R9er, Q multiplier	80, 40, 20
Illinois Indiana	W9YFV	180,720	5100B	75A4	80, 40, 20, 15
Indiana Wisconsin	W9APY W9RQM	176,138	VFO-807-4-125A VFO-807-813	NC300 HRO50T	80, 40, 20, 15
No. Dakota	KØCNC	161,350 32,745	Heath VFO, 6146	NC88, HQ100	80, 40, 20, 15, 10 80, 40, 20, 15, 10
So. Dakota	WØTLD	46,384	Ranger	NC183	80, 40, 20, 15, 10
Minnesota	WØRLI	127,925	Viking VFO-6AG7-6BQ6-811As	NC173, Q multiplier	80, 40, 20, 15
Arkansas	W5BYJ	48,400	Bud VFO-6AG7-1625	HQ129X	80, 40, 20, 10
Louisiana	W5YDC	127,090	HT20	NC183	40, 20, 10
Mississippi	W5FPI	49,500	TBS50C	S76	80, 40, 20, 15, 10
Tennessee Kentucky	K4LPW W4KVX	204,660 227,213	VFO-Viking I Meissner VFO-813	HRO50T1 75A3	80, 40, 20, 15, 10 80, 40, 20, 15, 10
Michigan	W8OCK	125,650	VFO-Viking I	75A3, DB23	80, 40, 20, 15, 10
Ohio	W8FGX	182,678	310B-4-125A	HRO60 (mechanical filter)	80, 40, 20, 15
E. N. Y.	K2PIC	113,750	5100B	75A4, DB23	80, 40, 20, 15
N. Y. CL. I.	W2IVS	129,758	Ranger	NC300	80, 40, 20, 15, 10
N. N. J.	W2CQB	134,575	VFO-807-812s	NC300	80, 40, 20
Iowa Kansas	WØFZO	127,736	Cyclemaster-813	HQ129X HQ129X	80, 40, 20, 15, 10 80, 40, 20, 15, 10
Missouri	WØIUB KØHEM	113,693 107,726	VX101-813	NC300	160, 80, 40, 20, 15, 10
Nebraska	WØBUR	94,013	Viking I; 12AT7-2E26 (6 meters)	HQ129X, c.c. conv. (6)	80, 40, 20, 15, 6
Connecticut	W1TYQ	138,510	Viking II	75A4	80, 40, 20, 15
Maine	W1BCD	51,345	DX100	SX25	80, 40, 20, 10
E. Mass.	W1DDF/1	113,750	32V1	75A3	80, 40, 20, 15
W. Mass.	W1JYH	135,123	VFO-4-250A	Homebuilt	80, 40, 20, 15
N. H. R. I.	W1BFT W1CJH	172,885 80,063	32V3 Viking II	75A4, DB23 75A1	80, 40, 20, 15, 10, 6 80, 40, 20, 15, 10
Vermont	W1QMM	47.530	6AG7s-6L6-813	Homebuilt (triple conv.)	80, 20, 15
Alaska	KL7MF	17,325	AF67	SX25	20, 15
Idaho	W7WMO	53,520	DX35	NC45	40, 20, 15
Montana	W7VGZ	54,653	VF1-AT1-813	BC348P	80, 40, 20
Oregon	W7TML	101,010	VF1-AT1-813s	SX71	80, 40, 20, 15
Washington	W7GWD	114,210	VFO-2E26-814	Super Pro 75A2	40, 20, 15 40, 20, 15, 10
Hawaii Nevada	KH6MG W7KEV	92,140 173,649	Ranger	HQ129X	40, 20, 15
Santa Clara V.	W6UTV	134,750	VFO-4X150B	HRO60	80, 40, 20
East Bay	W6PYH	129,666	32V3	75A4	80, 40, 20, 15, 10
San Francisco	W6BIP	107,164	VT127As p.a	SX28A, Q5er	80, 40, 20, 15, 10
Sacramento V.	K6ORT	93,100	6AG7s-6V6-1625s	BC348, Q5er	80, 40, 20
San Joaquin V.	W6EFV	87,774	32V2 32V3	75A3 75A1	20, 15 80, 40, 20, 15
No. Carolina So. Carolina	W4LYV W4HGW	111,599 86,933	Viking I	HQ129X	40, 20, 15
Virginia	W4KFC	219,000	VFO-807-4E27	75A4	80, 40, 20, 15
W. Virginia	W8KWI	81,680	HT18-813	SX100	80, 40, 20
Colorado	WØCDP	129,666	DX100	SX71	80, 40, 20, 15
Utah	W7BAJ	67,538	DX100	SX100	40, 20, 15, 10
Wyoming	W7HYW	64,470	VFO-813-810s	75A3 BC348N	20, 15 80, 40, 20
Alabama E. Florida	W4WOG W4SHW	58,823 83,573	Ranger	SX100	80, 40, 20, 15, 10
W. Florida	W4WKQ	103,125	Lysco 600-813	HQ140X	80, 40, 20
Georgia	K4BAI	100,969	6L6-807s-100THs	SP400X	80, 40, 20, 1 5
West Indies	KP4DH	100,238	6AH6-6C4-5763s-Viking II (modified)	HROM	40, 20, 15
Canal Zone	KZ5BC	19,796	813 p.a	NC100, HF10-20	20
Los Angeles	W6BJU	198,000	Sonar XEC-4E27	75A2, DB23 Homebuilt (dual conv.)	80, 40, 20, 15 40, 20, 15, 10
Arizona San Diego	W7CJZ W6ZVQ	119,680 107,100	PTO-6AG7s-2E26-814	BC348, SX28	40, 20
San Diego Santa Barbara	W6ERB	100,554	Viking II	75A4	40, 20, 15
No. Texas	W5BLU	114,665	DX100	HRO5	80, 40, 20, 1 5, 10
Oklahoma	W5EQT	103,360	811s p.a	HQ150	40, 20
So. Texas	W5BTS	108,205	6AC7-5763-6146	Homebuilt (50 kc. i.f.)	40, 20
New Mexico	K5CAW	138,006	5100	75A4 HQ129X	40, 20, 15, 10 20, 15
Maritime	VO6N VE2ADD	19,550 64,417	VFO-807-813 VFO-6N7-6AG7-6146-813	NC125	80, 40, 20
Quebec Ontario	VE3DSU	110,513	DX100	HRO7	80, 40, 20 , 10
Manitoba	W3MCG/VE4	11,019	32V2	51J4	40, 20, 15
Saskatchewan	VE5DZ	39,329	6AG7-6L6-807-803	HRO	40, 20
Alberta	VE6MA	51,975	6V6-6L6-807	SX23	40, 20, 10
B. C.	VE7JO	47,250 64,253	6AC7-6AG7-6L6-807s 802-807	AR6, Q5er 75A2	40, 20 40, 20
Yukon	VE8JW	U1,400	002 OUI		,

Contest Ouotes

"Despite necessary school work, made 200 more contacts in my first SS as a General. Expect to represent No. Dak. often in the future and hope ARRL always keeps up this great contest." - KØCNC. . . . "Used four watts input to a 50L6 oscillator and four 40-meter crystals. This peanut whistle won't win a certificate but it's fun to see what can be done with it." — W4SAS/5... "Bet W4SAS/5 was the lowest-powered station in the SS. He gave me NR 70, not bad for four watts." - VE3DUS. . . . "Pickings got rather lean on 20 c.w. towards the end. Was seeking a 14-Mc. WAS but where were Vt. and Miss.?" - W5JPC. . "Bands in order of importance were 20, 40, 10, 80 and 15, but ten meters proved by far the hottest in QSOs per hour.' - W6YMD. . . . "The 1956 SS, c.w. style, was terrific. Operating techniques seemed better than ever and conditions superb." — W6SRT.... "A miserable score but enjoyed listening to the OM (W1SAD) rack up a much better one." — W1COL.... "First time in 27 years of hamming that I was successful in working all 73 sections in the SS, although there appeared to be very little activity in VE5, VE6, VE1, and heard only one station in KL7, KP4, VE4, So. Dak., W. Va., Miss. and No. Dak."—W7TKB. . . . "Open letter to 800 of the 926 stations worked: 'R5 does not mean QSZ.' There's absolutely no reason for a guy to send everything twice or three times reason for a guy to send everything twice or three times after receiving RST 579 or better."—W1JYH....

"Raised my skyhook the second week end and got out worse."—K6CNE.... "W7TKB gave me my 48th state."—W1AMY.... "Made ten times my '55 score."

—K4DWF.... "First SS and I'll settle for 64 sections and 47 states in every future one."—WSIBX...."47 states and couldn't find Vermont."—W3BQA.... "Thought I would try for all sections this year but ran into the law of diminishing returns." — W8DWP. . . . "Enjoyed testing antennas and flexibility of rig. Suggest that you tabulate the lazy man's SS—the most sections with the least contacts."—W9REC.... "Don't know when I have enjoyed an SS more. Let's always have this excellent contest."—K4HAA....'Great fun but my parents are fed up with hearing odd noises all night, my brother is fed up with being awakened by said noises, and my neighbors are fed up with hearing diddit-diddit on Channel 4." — W3CCQ/5. . . . "Although repeat QSOs cut my score by 3500 points, learned much during my first all-out effort. Doesn't everyone?"—W5FTP... "A real thrill to work VE7AKI, my first DX."—KN9CIC. . . "What a time! A lot of tries and not many contacts, but the Q multiplier was a great help in the QRM. Don't see why more hams don't enter; they just don't know what they are missing." $-K\theta BMQ....$ 'A real pleasure to almost double the amount of stations worked, although I wore out three ball-point pens in the process." — VE2ADD. . . . "Best contest in ham radio." — WN1IEF. . . . "No wonder I'm tired! Just checked the log and find that I changed bands 101 times during the contest, each operation involving two plug-in coils, numerous switches and knob twisting. Guess I must have been the guy everybody heard tuning up right smack on the frequency. . . . 15 meters paid off with two sections (VE4 and KL7) worked on no other band." — W4KFC. . . . "Enjoyed every minute and was amazed at how well the 8-foot whip performed." - W1ZVG/7. . . . "A great contest and the prevailing sportsmanship was outstanding. Thanks especially to K4HAA for taking time to explain the rules. Got four new states."— K2PSE. . . . "First chance to give my one-knob band-switching rig a real workout."— W3RYX....''Used a new rig completed an hour before the SS started. An intermittent in the v.f.o. developed but managed to find the trouble and keep going. Somehow missed three easy sections: No. Dak., Maine and VE4." — W9RQM. . . . "Can't hope to top whatever millions W4KFC sends you but doubled last year's Novice score in one-fourth the time. The new VR-tube added to the oscillator really paid off when someone turned on a hot-plate next door. My lucky QSO No. 13 was Nevada; that makes 13 Nevadans toward a goal of 25 hopefully sought." — K4CQA/4. . . . "93 QSOs as a WN8 in '55 and 279 this year with same rig plus v.f.o." — W3BVF. . . . "How about the guy that must explain the SS to his wife? May I suggest that the League formulate a letter in nontechnical language aimed toward nonham wives? This letter, available in October, might begin, "Dear Madame: Your husband is about to embark on a great adventure in skill, action, travel, and proficiency, right from your own home. Please bear with him." Maybe then the XYL would be able to understand my fascination for the SS." — W4SHW. . . .



"Eight new states! Thanks for a couple of wonderful week ends." - W7Z0I. . . . "More thrills in the SS than I've had from the time of my first QSO." - K2MBU. . . "Although conditions were very good to all WØ on several bands, I failed to hear a single No. Dak. station. VE1 was tough too."— W9RKP.... "Noticed the usual clean, snappy operating but there were also a number of signals of questionable quality consisting of rough notes, chirps and clicks. Trust these do not indicate a trend toward sloppiness or carelessness. Perhaps we should all make an effort to give honest reports so that the op on the other end will be made aware of how his signals sound and take steps to cure the difficulty." — W4CVI. . . . "Thanks for a great contest but the letdown afterwards is awful. A year is a long time to wait for the next one." — $W\emptyset TDR$. "As a new member of the 'frat,' I learned more in a few hours than I could have in weeks of casual operating. My sincere thanks for a swell exercise in amateur communications and sportsmanship." — KN2RQU. . . . "Vt. has always been a millstone around my neck in any contest and this one was no exception. Are all Vt. hams on 420-Mc. n.f.m.? . . . First time ever worked VE1 through VE8 and heard all parts of Canada including Yukon, N.W.T. and Labrador. Three cheers for Canada, especially VEs 6MA 2YA 7AGN 7ANQ 7AKI 5DZ 1EX 8JW 3EU 3DSU 4YZ and 3VX. VE6MA and VE8JW send perfect c.w. and had particularly outstanding signals." — W4WQT.... "A world of fun and finally nailed Wyoming." — KN2SDE. ... "Finished off my WAS and had two wonderful week ends." — K5ARH.... "Hope everyone had half as good a time as I did." — W9VAY.... "First Stateside SS and was surprised at results with an all-band dipole using homemade loading traps. Previous operation was from KL7AOL where I used a 680-foot long wire directed on the

In hotly-contested Md.-Del.-D. C., the chap to beat is W3EIS, holder of five of its last seven awards. This time Don, a Potomac Valley Radio Club prime mover, shoehorned 185,670 points and 1032 QSOs into 40 hours for the nation's fifth-ranking tally and top W3. Between Novembers, Don sets a sterling example in Field Day's Class B with another pretty fair op, W4KFC.

is W3EIS, holder time Don, a Pote shoehorned 185,6 for the nation's fi Novembers, Don Class B with ano

QST for

1957 QST © ARRL

Prowling for new countries is favored but W9YFV is also a Sweepstaker of the first water. Ed was seventh among all brasspounders, leading Nine, and Illinois topper with the 5100B pushing a long wire, 20-meter rotary, or 7-Mc. vertical dipole, latter sporting 32 buried radials. P.p. 4-400As provide additional db. when needed, have helped shore up the W9YFV DXCC standing to 242.

. "Sections were hard to come by. U. S. A. — W81ZS. . Never heard VE1, VE5, VE7 or VE8 and had to go to 21 Mc. for VE4 and VE6. My ambition was to score over the 100,000-point mark and was able to do it only by getting greater QSO quantity to make up for missing sections. - W40MW. . . . "Plenty of good sigs, excellent conditions and courteous operating. Knocked off the last four for 3.5-Mc. WAS but missed So. Dak, for WAS on 20 in spite of good short skip. Was shooting for 110,000 but illness the first period and a football game the second botched that." — $W\emptyset BUR$ "First contest and enjoyed the stick-to-itiveness of fellow hams. Picked up two week ends." — K2SEK. . . 'FB test but missed Miss. and where was W9IOP?" — WØRLI. . . ''Didn't realize that 39 hours could go by so fast." - W9ESK. . . . "Lots of valuable experience in my first try at SS. Will have to do more work on my homemade rig which broke down three times." — W5FCX. . . . "Afraid I wasted too much time chasing sections, resulting in a low QSOs-per-hour average. Didn't hear No. Dak., Utah, KL7 and VE4." -W2EMW. . . . "Experience gained in '55 resulted in a score six times higher. Being limited to 40 meters kept my section total down but that situation will have been corrected by the next SS." -K2MWM. . . . "Very enjoyable although the senior class play interfered with time on air."—W3ZHQ. . . . "FB SS but has Miss. seceded from the Union?"—W9WBL. . . . "The contest taught me the fundamentals of operating and I now have six more states confirmed." - W3DVM. . . . "After winning the Miss. award in '55, I missed that section in '56. We need a Q signal to tell a fellow that he has been worked before. Also wish everyone would use ARRL Operating Aid No. 6." — W9APY. . . . "Evidently many were not keeping a duplicate check sheet. My total could have been increased by a large margin if I had accepted all the second and third calls received. The amount of second callers was so staggering toward the end that I resorted to calling 'CQ SS NEW STNS.'" — W2HMJ. . . . 'Finished WAS but score was poor with 25 watts input. How about an extra multiplier, say at 50 or even 30 watts, to give us low-power boys a better chance?" - K60VJ. . . . "The new 150-watt power multiplier is excellent and hope it will stay. Wish more VE1s and KZ5s would take part. How does W4KFC make so many QSOs?" - W6JVA. . . . "Yipes! Just found out limit was 150, not 100 watts. Better read the rules next time. . . . The guys at ARRL sure pick week ends with good conditions. Sigs were very strong and it's remarkable what a few watts can do when the bands are just right." - WØIUB. . . . "After years of the 100-watt multiplier, many fellows, myself included, have built special rigs for the SS. Why bow to the 'commercial' guys? This is Amateur Radio." — W9ZRG. . . . "I demand an additional multiplier for undernourished stations running ten watts or less. Hi!"— K2EWR. . . . "Second year that Utah was the last section worked. How about a multiplier of five for those who live one block from a multioperator station?" - W2HBE. . . . "Beam rotator failed, power line noise was S8, rig blew condenser, company dropped in, XYL accepted a dinner engagement the second Saturday, and even the electronic key quit. Don't I rate a handicap multiplier of about five?" — W8DUS. . . . "A swell time and already looking forward to next year's get-together."

— W3VAN....''Wow, never heard such activity!

Looking forward to the '57 SS." — W6NHA...''The contest spurred me to set up my rig on 7 Mc., a new expericontest spurred me to set up my rig on / Mc., a new experience. I learned procedure fast and I'll be back next year on three bands with bells."— K6LZU.... "Raised two new states and KP4DH but W1QMM (Vt.) wouldn't come back. Can hardly wait for the next SS."—K6LSG.



... "Very enjoyable as always. Arrival of stork limited time but next year, oh boy!" — VE3FT/W2... "It has been nearly 20 years since I tried the contest. Maybe it's old age but got ten times the bang out of it that I did way back then. Outside of the genuine pleasure of breaking through the roar and the thrill as each new section was contacted, I am now completely convinced that crystal control is not the FB device it was in the thirties. I fought it out with crystals the first period and then, aided by QST. the Handbook and the junk box, I feverishly threw together a v.f.o. and got it going - no fooling - one minute before the start of the second week end. Vast improvement was noted . . . All in all it was just grand, wonderful, swell, and the old ham bug has bitten me again in the worst way. Surely do appreciate the ARRL-sponsored contests and the extra-good dope in QST. With your help I'll be back with a better rig to double my score next year." — W7POU. "My first SS and thoroughly enjoyable but I'm going to devise a better method of eliminating those pesky duplicates. Hope to erect an efficient antenna for each band and boost my power from 35 to the 150-watt limit. I'm gonna take that Tennessee sheepskin. Just wait till next year!" -K4CWS. . . . "Bloodshot eyes, angry XYL, hungry OM, jr. ops thinking Dad off his rocker, but I promise to do as well or better next year." - KN9CAZ. . Really enjoyed hearing all the big guns and upcoming Novices, although an attic antenna was a handicap. Looking forward to next year." — W1FSJ. . . . "Worked 45 stations last time as a KN9 and 490 in '56. Just wait 'til next year!" - K9AKS. . . . "My second SS and it was a dilly. Bettered previous score by 600%. Glad to see KZ5BC, W7KEV, W6BIP, W4KFC, W4KVX and many other fine ops but missed W9IOP. Having special QSL made and can't wait 'til next year." — K6SSM/8. . . . "I'll break 100,000 points or bust next year!" — W3MWC. . . . "Biggest thrill was working my first Idaho. Just wait till next year." — K9ATY. . . . "First SS in Arizona and sorry didn't make a better showing. Will do better next year." — W7EAX. "My brother served as assisting operator and better family relationships resulted. Will have better antennas next year." - K6IBE. . . . "School work crossed me up. Hope to get in the full 40 hours next year."— K5ABV.... "Learned much about operating and message-handling and you can count on a log from me next year." - K6BCG. . . . "Four new states and a new country. Hope to be better prepared next year." - K4EJG. 'til next year.' " - WNIMTX.

All those cheery "Wait till next year" mumblings prophesy another biggest-ever Sweepstakes in November, with oodles of good, healthy QRM, huge QSO and sections-worked totals, and incredible scores from around the field organization. For the nonce, please stand by for the scoop on the radiotelephone and club winners. Just wait till next month. — P. S.



East Bay leader W6PYH pays this tribute to his chief operating aid, "a tolerant XYL who kept me constantly nourished." Pete wouldn't be without his t.r. switch for perfect break-in and, at DXCC-222, is another prominent prefixpursuer who takes an annual fling at

C. W. SCORES Twenty-Third Sweepstakes Contest

Scores are grouped by Division and Sections. . . . The operator of the station first-listed in each Section is award winner for that Section unless otherwise indicated. . . . Likewise the "power factor" used in computing points in each score is indicated by the letter A or B. . . . A indicates power up to and including 150 watts (multiplier of 1.25, c.w.), B over 150 watts (multiplier of 1). . . . The total operating time to the nearest hour, when given for each station, is the last figure following the score. . . . Example of listings: W3JNQ 156,023-880-71-A-39, or, final score 156,023, number of stations 880, number of sections 71, power factor of 1.25, total operating time 39 hours. . . . An asterisk denotes Novice certificate winners in sections where at least 3 Novice logs were submitted. . . . Multioperator stations are grouped in order of score following single-operator station listings in each section tabulation.

Eastern Pennsylvania

Eustein I ennsylvania	١
W3JNQ156,023-880-71-A-39	
W3CPS 141,440- 855-68-A-40	
W3GHM . 125,493- 712-71-A-36	
W3BES 123.251- 715-69-A-28	
W3HHK . 110.863- 636-70-A-39	
W3ALB . 107.654- 607-71-A-25	
W3NOH106,750- 700-61-A-30	
W3LEZ105,840- 675-63-A-33	
W3ARK105,600- 640-66-A-36	
W3LVF98,115- 633-62-A-36	
W3EAN97,580- 574-68-A-36	
W3MDE96,300- 535-72-A-38	
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W3KFQ80,978- 531-61-A-40 W3EQA80,325- 464-70-A-33	
W3EQA80,325- 464-70-A-33	
W3WPG76,555- 502-61-A-40 W3HTR71,195- 491-58-A-40	
W3VDV69,431- 405-69-A-32	
W3MDO68,796- 546-63-B-40	
W3CGS64,600- 380-68-A-30	
W3RRI/3.64,152- 486-66-B-36	
W3ADZ 62.125- 350-71-A-35	
W3EVW 60,375- 350-69-A-23	
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W3ADE53,215- 367-58-A-33	
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W3DUQ53,200- 380-56-A-22	
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W3KDF/3.41,340- 312-53-A W3GRS39,899- 271-59-A-14	
W3ZSX39,000- 328-48-A-18 W3KFK38,500- 308-50-A-33	
W3CLM 36,960- 336-55-B-30	
W3CLM 36,960- 336-55-B-30 W3DFJ 32,035- 299-43-A-30 W3DBF 30,500- 307-40-A-	
W3DBF30.500- 307-40-A-	
W3ORU26,983- 252-43-A-12	
W3GHD. 25,515- 162-63-A-	
W3VTM/3.25.223- 177-57-A-23	
W3NHX . 24.300- 203-48-A-30	
W3AFF 23 834- 315-31-A-33	
W3WHK. 21.060- 234-36-A-32	
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W3YSH19.440- 146-54-A-20	
W3UOE18,478- 196-38-A-10	

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W3VXP (2 oprs.)
1600- 41-41-A- 9
    Md.-Del.-D. C.
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W3EIV . 155,845- 878-71-A-40
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W3AEL152,575-898-68-A-39
W3TMZ145,550- 820-71-A-33
W3GRF141,438- 777-73-A-40
W3KLA140,498- 860-66-A-40

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W 00 I IX	
	138,345- 802-69-A-32
WOVAN	133,006- 911-73-B-36
W3PZW	132.495- 727-73-A-40
W3MFI	133,006- 911-73-B-36 132,495- 727-73-A-40 120,359- 662-73-A-40 119,160- 664-72-A-40 115,740- 643-72-A-34
WOMED D.	110,300- 002-10-1-10
W3KDP	119,160- 664-72-A-40
W3IYE	115.740- 643-72-A-34
WACLAIT	112,525- 650-70-A-25
WOOMU	112,323- 030-70-A-23
wadvo	108,113- 699-62-A-37
W3UE	.78,720- 492-64-A-40
137 2 D7 A 1	.75.040- 471-64-A-30
WOFZA	. 73,040- 471-04-A-30
W3HVM.	.72,795- 424-69-A-35
w3wv	67 320- 374-72-A-27
WILLYN	.67,320- 374-72-A-27 .61,000- 488-50-A-40 .57,575- 329-70-A-26
WollAN.	01,000- 400-30-A-40
W3DRD.	.57.575- 329-70-A-26
W3RVX	.56,350- 405-56-A
W270	41 477 259 50 D 21
W 021Q	.41,477- 302-09-D-21
wawg	.39,730- 274-58-A-19
W3VKI	39 000- 300-52-A-24
WINDW	20 057 220 61 D 20
WOLLD V	00,001- 000-01-15-00
W3HXA	36,438- 292-50-A-24
W3FDJ	.33.750- 338-40-A-32
WOZED	95 040 159 60 A 5
WOZDR	25,640- 152-06-A- 5
W3HH	.25,080- 209-48-A-14
wawii	24 795- 174-57-A
WINTE	21 720 164 52 4-26
WOWLD.	21,730= 104-33-A-30
W3ZGN.,	.20,171- 247-33-A-30
W3DVM.	. 19.500- 200-39-A-16
WOTN	16 021 150 42 4 15
W 3 1 IV	. 10,931- 130-43-14-13
W3ARB	. 15,960- 170-38-A-26
W3IBX	15 215- 179-34-A-20
Waty	13 428 131-41-4-24
WOLAL	10,420- 101-41-4-24
W3CLI/8	3.12,150- 108-45-A-17
W3DBV.	. 11.688- 138-34-A-32
WALKI	0591- 110-35-4- 8
WOIZEL.	9001 110-00-A- 0
W31KN	9184- 119-31-A- 8
W3BKE.	7590- 115-33-B- 8
W3BKE.	7590- 115-33-B- 8
W3HE	
W3HB W3UDO.	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10
W3HB W3UDO. W3VCD.	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8
W3HB W3UDO. W3VCD. W3ZMT	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11
W3BKE. W3HB W3UDO. W3VCD. W3ZMT.	, 7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11
W3BKE. W3HB W3UDO. W3VCD. W3ZMT. W3DNW	. 7590- 115-33-B- 8 . 5689- 63-37-A-14 . 5145 100-21-A-10 . 4200- 70-24-A- 8 . 2132- 41-26-B-11 . 1913- 51-15-A- 3
W3BKE. W3HB W3UDO. W3VCD. W3ZMT. W3DNW.	, 7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8
W3BKE. W3HB W3UDO. W3VCD. W3ZMT. W3DNW. W3CMX.	. 7590- 115-33-B- 8 . 5689- 63-37-A-14 . 5145 100-21-A-10 . 4200- 70-24-A- 8 . 2132- 41-26-B-11 . 1913- 51-15-A- 3 . 1706- 53-13-A- 8 . 1580- 40-16-A- 9
W3HB W3UDO. W3VCD. W3ZMT. W3DNW. W3CMX. W3RYV.	. 7590- 115-33-B- 8 .5689- 63-37-A-14 .5145- 100-21-A-10 .4200- 70-24-A- 8 .2132- 41-26-B-11 .1913- 51-15-A- 3 .1706- 53-13-A- 8 .1580- 40-16-A- 9
W3BKE. W3HB W3UDO. W3VZMT. W3DNW W3CMX. W3RYV. W3ZAQ	. 7590- 115-33-B- 8 .5689- 63-37-A-14 .5145- 100-21-A-10 .4200- 70-24-A- 8 .2132- 41-26-B-11 .1915-A- 3 .1706- 53-13-A- 8 .1580- 40-16-A- 9 .1440- 36-16-A- 5
W3BKE. W3HB W3UDO. W3VCD. W3ZMT. W3DNW W3CMX. W3RYV. W3ZAQ W3CDQ.	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1440- 36-16-A- 5 1296- 31-17-A
W3BKE W3HB W3UDO W3VCD W3ZMT W3DNW W3CMX W3RYV W3ZAQ W3CDQ WN3FYI	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-5-A- 3 1580- 40-16-A- 9 1440- 36-16-A- 5 1296- 31-17-A 473- 26-9-A- 6
W3BKE. W3HB W3UDO. W3VCD. W3ZMT. W3DNW W3CMX. W3CMX. W3ZAQ W3CDQ. WN3FYL	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1440- 36-16-A- 5 1296- 31-17-A 473- 26-9-A- 6
W3BKE W3HB W3UDO W3VCD W3ZMT W3DNW W3CMX W3RYV W3ZAQ W3ZAQ W3ZDQ WN3FYI W3BFW	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1440- 36-16-A- 5 1296- 31-17-A 473- 26-9-A- 6 270- 12-9-A- 1
W3BKE. W3UDO. W3VCD. W3ZMT. W3DNW. W3CMX. W3CMX. W3CDQ. WN3FYU. W3FQE.	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1440- 36-16-A- 5 1296- 31-17-A 473- 26-9-A- 6 270- 12-9-A- 1 140- 8-7-A- 4
W3BKE. W3HB. W3UDO. W3VCD. W3ZMT. W3DNW. W3CMX. W3CAQ. W3CDQ. W3CDQ. WN3FYI. W3BFW. W3FQE. W3FQE.	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1440- 36-16-A- 5 1296- 31-17-A 473- 26-9-A- 1 270- 12-9-A- 1 140- 8-7-A- 4 23- 3-3-A-
W3BKE W3UDO W3VCD W3ZMT W3DNW W3CMX W3CMX W3CDQ W3CDQ W3FQE W3FQE W3FQE W3LII/3	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1440- 36-16-A- 5 1298- 31-17-A 212- 26- A- 6 170- 12- 26- A- 6 170- 12- 3- A- 1 140- 3- 3- 3- A- 1
W3BKE W3UDO W3VCD W3ZMT W3DNW W3CMX W3RYV W3ZAQ W3CDQ W3SFYI W3BFW W3FYI W3EPX W3EPX W3EVS	7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1440- 36-16-A- 5 1296- 31-17-A 473- 26-9-A- 6 270- 12-9-A- 1 140- 8-7-A- 4 23- 3-3-A- 1
W3BKE W3UDO W3VCD W3ZMT W3DNW W3CMX W3CDQ W3CDQ W3FYL W3BFW W3EPX W3LII/3	7590- 115-33-B- 8 5689- 63-37-A-14 51145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1440- 36-16-A- 5 1296- 31-17-A 473- 26- 9-A- 6 270- 12- 9-A- 1 140- 8- 7-A- 4 23- 3-A- 1 33-YS, W6HO-H) W3FYS, W6HO-H)
W3BKE W3HB W3HB W3HB W3HDO W3CD W3ZMT W3CMX W3RYV W3CDQ W3SFYL W3FQE W3EPX W3LII/3 W3FYS (7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1446- 36-16-A- 9 1496- 31-3-A- 6 270- 12-9-A- 1 140- 8-7-A- 4 23- 3-3-A 23- 3-3-A- 1 W3FYS, W6HOH) 149.310- 830-72-A-37
W3BKE W3UDO. W3VCD W3ZMT W3DNW W3CNX W3CNX W3CDQ W3FYL W3BFW W3FYL W3BFW W3EPX W3LII/3 W3FYS (7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1440- 36-16-A- 5 1296- 31-17-A 473- 26- 9-A- 6 270- 12- 9-A- 1 140- 8- 7-A- 4 23- 3- 3-A- 1 W3FYS, W6HOH) 149,310- 830-72-A-37 (W3CYE, K6D/GB)
W3BKE W3UDO W3VCD W3ZMT W3CDN W3CMX W3CMX W3CDQ W3CDQ W3EFW W3EPX W3LII/3 W3FYS (W3CVE ($\begin{array}{c} 5.0.000 - 488-30-A-40 \\ 5.75,75-329-70-A-26 \\ 5.61,350 - 405-56-A-1 \\ 41,477 - 352-59-B.1 \\ 39,730 - 274-58-A-19 \\ 39,730 - 274-58-A-19 \\ 39,630 - 274-58-A-19 \\ 39,630 - 274-58-A-19 \\ 39,637 - 336-61-B-24 \\ 38,637 - 336-61-B-24 \\ 38,637 - 336-61-B-24 \\ 38,750 - 338-40-A-24 \\ 22,840 - 152-68-A-5 \\ 22,840 - 152-68-A-5 \\ 22,840 - 152-68-A-5 \\ 22,800 - 209-48-A-14 \\ 24,795 - 174-57-A2 \\ 21,730 - 164-53-A-8 \\ 20,771 - 247-33-A-30 \\ 20,771 - 247-33-A-30 \\ 19,500 - 200-39-A-16 \\ 19,500 - 200-39-A-16 \\ 16,960 - 170-38-A-26 \\ 15,215 - 179-34-A-20 \\ 15,260 - 170-38-A-26 \\ 15,215 - 179-34-A-20 \\ 11,688 - 131-41-A-24 \\ 112,150 - 108-45-A-17 \\ 11,688 - 131-41-A-24 \\ 112,150 - 108-45-A-17 \\ 11,688 - 131-41-A-24 \\ 112,50 - 108-45-A-17 \\ 116,887 - 31-3-B-8 \\ 7590 - 115-33-B-8 \\ 7590 - 115-33-B-8 \\ 7590 - 115-33-B-8 \\ 1580 - 070-24-A-8 \\ 2132 - 41-26-B-11 \\ 1913 - 51-15-A-3 \\ 1706 - 53-13-A-8 \\ 1580 - 40-16-A-9 \\ 1440 - 87 - 8A-1 \\ 140 - 87 -$
W3BKE W3UDO W3VCD W3VCD W3ZMT W3CDNW W3CAQ W3CDQ W3SFYL W3BFW W3EPX W3LII/3 W3FYS (7590- 115-33-B- 8 5689- 63-37-A-14 5145 100-21-A-10 4200- 70-24-A- 8 2132- 41-26-B-11 1913- 51-15-A- 3 1706- 53-13-A- 8 1580- 40-16-A- 9 1440- 36-16-A- 5 1296- 31-17-A 473- 26-9-A- 6 270- 12-9-A- 1 140- 8-7-A- 4 23- 3- 3-A- 1 23- 3- 3-A- 1 33-YS, W6HOH) 149,310- 830-72-A-37 (W3CVE, K6DGB) 25,155- 281-45-B-23
	20,100- 201-40-10-20
Con	26,165-261-20 thern New Jersey .110,773-755-59-A-40 .104,939-627-67-A-37 .109,958-641-63-A-37 .99,990-607-66-A-40 .61,991-407-61-A-29 .58,000-400-55-A-38 2.55,009-401-55-A-38

K2CPR104,909- 027-07-A-07
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K2OMT58,000- 400-58-A-38
W2TPJ/2 .55.069- 401-55-A-26
W2EXB54.000- 360-60-A-28
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K2CWJ51,000- 401-51-A-27
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K2KFJ40,300- 310-52-A-40
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W2QKJ27,652- 224-62-B-35
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W2PNA11,520- 144-32-A-14
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K2EWR5618- 107-21-A- 4
W2TBD5365- 74-29-A-13
W2DMU5005- 77-26-A-14
K2PPV3320- 83-16-A-15

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K2OEA	2695-	39-28-A- 6
K2AIM		35-19-A-10
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W2PAU (V	VZPAU,	Wallic
	112,283-	683-66-Á-40

112,200- 000-00-11-10
Western New York
W2SSC124,783- 703-71-A-29
K2KCE 114 154- 628-73-A-40
W2PGU91,586- 585-63-A-33
K2HVN /2 21 550- 466-70-4-35
W2EEB 75 970- 536-71-B-40
K21 WB 72 710- 546-54-4-40
W2EMW72,104- 418-69-A-34
W2FXA69.190- 407-68-A-31
W2GSJ/2. 66,895- 394-68-A-40
WZVJU00.12U- 404-07-A-00
W2TFL56,313- 425-53-A-32
K2JAE54.720- 572-48-B-38
W2WOE53,331-403-53-A-33 W2TOP52,215-362-59-A-38
W2TOP 52,215-362-59-A-38 K2EVP 48,668-309-63-A-33 W2RUJ 44,713-256-70-A-27 K2MWK 41,918-311-54-A-23
K2EVP48,668- 309-63-A-33 W2RUJ44,713- 256-70-A-27
W2RUJ44,713- 250-70-A-27
K2MWK41,918- 311-54-A-23 K2LMX40,495- 312-52-A-31
K2LMX40,495- 312-52-A-31 K2UIR35,103- 370-38-A-40
W2NZA33,800- 294-46-A-25
W2NZA33,800-294-46-A-25 K2KID33,696-234-72-B-21 K2GWN32,175-286-45-A-30
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W2KKT25,645- 273-46-A-29
W2EUP22,523- 273-33-A-17
K2MWM . 19,950- 214-38-A-22
K2IWO 19 350- 198-40-A-28
K2GVN17.400- 145-48-A-16
K2GIG 16 188- 175-37-A-20
W2CJQ15.960- 152-42-A-15
K2MLH 15 295- 161-38-A-22
K2BWK14.588- 197-30-A-24
W2FPW12.623- 153-33-A-15
VE3FT/W2
12 420= 138=45=B=17
K2OFY11,688- 140-34-A-11 K2JEK10,355- 109-38-A-15
K2JEK 10,355- 109-38-A-15
W2DRN8515- 131-26-A-11
K2PFC8280- 92-45-B- 7 K2GHD7470- 83-36-A-11
K2GHD7470- 83-36-A-11 K2PJS5130- 108-19-A-25
W2ZRC4830- 69-28-A- 3 W2RHQ4270- 61-28-A
W2OVP1885- 58-13-A- 6
W2MTA840- 24-14-A-6
KN9DHO* 895_ 30_12_4_21
KN2RHQ* 825- 30-12-A-21 W2QBB 555- 19-15-B- 3 KN2RQU 338- 15-10-A-12
KN2RQU338- 15-10-A-12
KN2SKB248- 11- 9-A- 3
K2MTW225- 10- 9-A- 5
K2OSN140- 8- 7-A- 3
KN2RLP120- 8-6-A-2
TANOTITE A 00 7 5 A 2
W2EWT/2 (11 oprs.)
15,164- 224-34-A-24

Western Pennsylvania

W3VIW128,240- 812-64-A-3
W3GJY . 104,913- 600-70-A-4
W3PWN 99,775- 614-65-A-4
W3ZKB76,250- 500-61-A-3
W3NRE75,625- 550-55-A-3
W3YDK 67,650- 414-66-A-3
W3BOA61,520- 385-64-A-
W3UGV50,490- 306-66-A-2
W3ZAO 48,300- 350-69-B-2
W3EPM 37,056- 305-49-A-1
W3BZR34,615- 310-46-A-3
W3YOZ 31,483- 257-49-A-3
W3ZHQ30,013- 245-49-A-1 W3RBH24,940- 232-43-A-2
W3AVY21,930- 215-41-B-2
W3KQD 19.238- 171-45-A-2
W3TFI15,660- 175-36-A-1

W3ZDA	. 13,950-	126-45-A-13
W3EFW.	. 13.035-	160-33-A-25
W3FMP.	5810-	83-28-A-26
W3ZUG		50-28-A- 8
WN3FJY	2584-	46-25-A- 9
W3LXE.		8- 7-A- 1
W3YA (18	3 oprs.)	
	55.803-	494-57-B-39

CENTRAL DIVISION

Illinois
W9YFV180,720-1004-72-A-40
W9ZAB 134,811- 761-71-A-38
W9AMU . 128,610- 715-72-A-40
W9WBL 126.613- 724-70-A-40
W9NII126,140- 742-68-A-40
W9ZQC 124,069- 767-65-A-40
W9PZT 115,403- 669-69-A-40
W9WFS92,250- 514-72-A-26
W9LNQ91,679- 521-71-A-40
K9AKS 78,000- 490-64-A-31
W9YYG74,425- 448-65-A-40
W9MAK67,600- 423-64-A-37
K9EWB64,320- 388-67-A-40
W9AGM 48,750- 300-65-A-21
W9DUA ² 46,690- 32-58-A-20
K9ARN41,938- 306-55-A-24
W9RCJ40,641- 260-61-A-20
W9CMO30,873- 233-53-A-26
W9QGG28,756- 270-43-A-19

K9BMH....2205- 49-18-A- 4 KN9DTB...2205- 46-21-A- 9



In Southern Texas, 16-year-old KN5EZV cranked out 34,583 points, the highest score ever amassed by a Novice. Beginning in the hobby like a house-afire, Bob has already earned WAC, WAS and RCC and will bear close watching in future contests.

W9YRH	28.688-	225-51-A-	18
W9UBI	25.988-	190-55-A-	
W9ZEN	25.048-	233-43-A-	
K9BCV	24.860-	238-44-A-	
WOOAN	22 060-	161-55-A-	
WHIET	21.450-	160-55-A-	
W9IET W9LGI	20,800-	211-40-A-	2ŏ.
W9QQX	20,621-	178-47-A-	
WOWIO	19.596-	189-71-A-	
W9REC	19.500-	130-60-A-	
W9NIU	18, 180-	152-48-A-	
W9BIN	16.920-	144-47-A-	16
W9BIN K9BTD	16.125-	155-43-A-	·23
W9EBY	15.803-	152-42-A-	$\overline{23}$
W9YYF	15.068-	147-41-A-	·11
W9EBY W9YYF W9OJI	14.720-	128-46-A-	·13
W9DWQ	14.639-	119-49-A-	. ğ
W9ZRG	14.342-	101-71-B-	·13
W9JAT	13.500-	137-40-A-	
K9BIU	12.600-	115-45-A-	-18
K9ATY	10.325-	150-28-A-	-29
K9ATY W9YYV	10.165-	107-38-A-	-
W9YDQ	9095-	107-34-A-	
K9BTN	8925-	120-30-A-	-20
W9RGB	8539~	107-33-A-	
W9EET	8360-	89-38-A-	
W9KXD	83333-	101-33-A-	-11
W9VOX	8000-	100-32-A-	-18
W9CR	7030-	74-38-A-	
W9UJB	6818-	102-27-A-	
W9TTJ	6300-	64-40-A-	-10
K9BBD	6152-	67-37-A-	
KN9BZJ*. KN9CHZ.	6006-	83-31-A-	
KN9CHZ.	4640-	61-32-A-	-21
W9EXL	4523-		
W9JCX	4140-	90-23-B	
K9CFQ	4043-	77-21-A-	- 6
W9ZDV3	3983-	59-27-A	
W9TAL	3875-	50-31-A-	- 4
W9NGG K9BPT	3613-	85-17-A-	· 7
KARLL	3611-	55-27-A-	
W9EDH	3575-	55-26-A	: 3
W9EGJ	2925-	65-18-A	

W9YRH.	. 28,688- 225-51-A	18 <i>1 navana</i>
W9UBI	.25.988- 190-55-A	-15 W9APY176.138-1010-70-A-40
W9ZEN.	.25,048- 233-43-A	-26 W9AZM . 114,155- 673-68-A-40
K9BCV	.24.860- 238-44-A	-30 W9ESK 81,413- 506-65-A-39
	.22,069- 161-55-A	-17 W9YSX79,885- 622-65-B-33
WOIET	.21,450- 160-55-A	- 8 K9CUY72,773- 476-62-A-40
WOLGI	.20,800- 211-40-A	-20 W9YFD64,339- 411-63-A-38
W9QQX	.20,621- 178-47-A	-13 W9VAY57,855- 412-57-A-38
wowio		-18 K9BBO 51,675- 390-53-A-
W9REC.	. 19.500- 130-60-A	1-20 W9DGA38.028- 288-53-A-13
W9NIU	. 18.180- 152-48-A	
W9BIN	. 16.920- 144-47-A	1-16 W9CNG31,465- 203-62-A-18
K9BTD.	. 16,920- 144-47-A	
KADID	.10,125- 155-45-A	1-23 W 9 W QQ 22,898- 213-43-A
W9EBY W9YYF	.15,803- 152-42-4	1-23 K9AUE 19,000- 200-38-A-22
W911F	.15,068- 147-41-A	1-11 W9STG18,624- 160-47-A-23
W90JI	. 14,720- 128-46-A	
W9DWQ.	. 14,639- 119-49-A	
W9ZRG	14,342- 101-71-E	3-13 W9YXX4875- 65-30-A- 4
W9JAT	. 13,500- 137-40-A	
K9BIU	.12,600- 115-45-A	
K9ATY		1-29 W9CLY (7 oprs.)
W9YYV	. 10,165- 107-38-A	A 101,238- 629-65-A-40
W9YDQ.	9095- 107-34- <i>A</i>	1-12 W9YB (8 oprs.)
K9BTN	8925- 120-30- <i>A</i>	1-20 74,168- 483-62-A-39
W9RGB.	8539- 107-33- <i>A</i>	
W9EET	8360- 89-38-A	
W9KXD.	8333- 101-33-A	1-11 Wisconsin
W9VOX.		1-18
W9CR	7030- 74-38-A	
W9UJB	6818- 102-27-A	1-29 W9KZZ . 143,150- 825-70-A-36
W9TTJ	6300- 64-40-A	1-10 W9UDK 117,061- 665-71-A-35
K9BBD	6152- 67-37-4	L-11 W9GWK . 106,925- 711-70-A-38
KN9BZJ*	6006- 83-31-4	A-22 W9VOD106,000- 624-70-A-25
KN9CHZ	4640- 61-32-A	A-21 W9DIK 100,640- 599-68-A-33
W9EXL.	4523- 67-27-4	
W9JCX	4140- 90-23-I	
K9CFQ		- 6 W9KXK 79.165- 446-71-A-39
W9ZDV3.	3983- 59-27-4	- 8 K9CAN72,312- 524-69-B-30
W9TAL	3875- 50-31-4	- 4 WOUEV 62 238- 384-65-A-31
W9NGG.	3613- 85-17-4	- 7 W9CXY61.610- 404-61-A-40
K9BPT	3611- 55-27-4	$\mathbf{A} - \mathbf{W}9\mathbf{Z}\mathbf{Q}\mathbf{A}/9.52.595 - 314-67-\mathbf{A}-23$
W9EDH.		A- 5 W9YZG47,713- 356-55-A-25
W9EGJ	2925- 65-18-4	A- 9 W9VOS/9.46.170- 343-54-A-26
W9GCH.	2250- 60-15-4	- 5 W9CHD. 38,070- 282-54-A-21
W9EU	2218- 46-24-1	

Indiana

W9FZC	25.438-	185-55-A-15
W9SZR/9.	94 199	197-49-A-13
WOEDA.	24,100-	
W9FPA	20,524-	211-39-A-30
W9FDX	20,280-	156-52-A
W9DGB	18.143-	123-59-A
W9AQD		130-54-A
W9DPN		130-52-A-22
W9WAN		144-42-A- 9
K9AEQ		148-37-A-20
W9HCA	. 9120-	115-32-A- 9
W9WUQ		101-27-A-26
W9IUQ/9.	4000-	80-20-A-35
WOHCY	0605	
W9HCX	2023-	50-21-A-10
K9BCB	1575-	32-20-A- 8
K9AQT	1485-	35-17-A
W9BCC	. 1200-	32-15-A- 4
W9CFL	633-	23-11-A- 2
KN9CBE.	304-	15- 9-A- 5
KOCDE.		
K9CPF	175-	10- 7-A- 5
KN9ELT	140-	11- 7-A- 8
W9LUC	63-	5- 5-A
W9JBF	3-	1- 1-A
KN9DGE (KOCAH	. KN9DGE)
	1556-	
	1990-	43-15-A-23

DAKOTA DIVISION

North Dakota

KØCNC...32,745- 222-59-A-12 KØADI....13,904- 117-49-A-23 South Dakota

	-	•		•		0000
D.			46.3	88	4-	29

WØTLD46,384-	295-63-A-24
KNØHHM 5899-	74-33-A-21
WØJLI1125-	25-18-A- 3
KØBMQ1069-	24-19-A-29
WØRRN 225-	10- 9-A- 1
Minneson	la.

WØRLI127,925-	754-68-A-40
WØWDW .97,600-	615-64-A-35
KØBIT63,000-	500 - 63 - B - 40
KØDHH28,069-	251-45-A
KØAUS3188-	
WØDQL2560-	32-32-A- 7
KNØEEN1388-	
KØCAZ1063-	
WØFJJ715-	
KNØECY (KØCAZ	KNØECY)
	9 9 4 1

DELTA DIVISION

Arkaneae

11/ rearroa	· ·
W5BYJ 48,400-	306-64-A-35
W5WUR 44,685-	331-54-A-36
K5DET 42,315-	278-62-A-37
W5KGJ39,585-	273-58-A-29
W5MY17.802-	20 7- 43-B- 8
W4SAS/56680-	84-32-A-22
KN5GRT120-	10- 6-A- 7
KN5EJQ55-	6- 4-A- 7

Louistana

200000
W5YDC.127,090-717-71-A-33
K5DGI114,800- 718-64-A-38
W5JAW87,506- 542-65-A-40
W5BUK57.800- 341-68-A-32
W5GAI 40,184- 265-61-A-16
K5ARH 39,473- 277-57-A-34
K5GWZ35,819- 263-55-A-36
W5NDV28,815- 228-51-A-27
K5AGI24,240- 203-48-A-17
W5JFB10,973- 118-38-A-11
W5EKF9225- 124-30-A-23

	465-	60-24-A- 8 16-12-A- 8 10- 9-A- 2
A	ississip	p t
W5FPI KN5HFM	49,500- 1995-	300-66-A-27 39-21-A-33

KN5fiFM1995-	39-21-A-33
Tennessee	3
K4LPW 204,660-1	138-72-A-40
W4NBV110,880-	678-66-A-40
W4WQT . 100,975-	578-70-A-40
W4YMG 96,931- (600 -65-A-3 9
W4CVM 96,030-	536-72-A-39
K4CWS81,908-	489-67-A-38
K4BOM73,005-	471-62-A-39
W4OGG42,625-	310-55-A-19
K4AMC23,569-	213-45-A-14
	161-49-A-34
K4ECZ15,006-	123-49-A-11
K4CBE/4.14,625-	132-45-A-12
K4APN 10,710-	103-42-A-11
K4CSY 5148-	74-29-A-19
K4CFA4766-	66-31-A-10
K4ACG3190- W4NPS2200-	44-29-A- 3
W4CXY863-	44-25-B- 8
W4KH/4 (W4s KH	23-15-A- 6 WHN)
	321-65-B-24
41,000-	021-00-D-24

GREAT LAKES DIVISION

Kentucky

rentacky
W4KVX.227,213-1246-73-A-40
W4OMW.104,960- 656-64-A-40
K4GEZ101,421- 606-67-A-37
W4HOJ 88,608- 529-67-A-39
W4CVI87,235- 480-73-A-30
W4SUD 80,719- 514-63-A-29
K4DTI77,550- 470-66-A-24
W4JBQ 64,125- 450-57-A-24
W4OXX44,700- 298-60-A-25
K4DVR23,940- 205-48-A-28
K4CHE6663- 104-26-A
KN4JGM5895- 67-36-A-19
KN4JHA743- 27-11-A-11

Michigan

W8OCK4.	125.650-	721-70-A-	40
W8IRO.	. 95.900-	685-70-B-	
W8TJQ	. 75,905-	448-68-A-	
W8SRK	.71.115-	433-66-A-	
W8IZS	71,040-	446-64-A-	
W8PWQ.	69,300-	466-60-A-	
W8GTI.	63,938-	465-55-A-	
W8DM	.59.015-	407-58-A-	
WSUMX.	.55,125-	351-63-A-	
W8HQS.	.55.046-	352-63-A-	
wsbus	.55,025-	359-62-A-2	
W8GB	.49.118-		
W8PVI		333-59-A-	
	.46,238-	344-54-A-3	
W8VPC	.48,225-	322-60-A-	
W8TKW.	. 45,750-	305-60-A-	
W8QZR	.40,878-	307-54-A-	
W8ZNH	.35,500-	384-50-A-2	
W8RVZ	.33,488-	236-57-A-	
W8ONA	. 32,800-	205-64-A-	
W8GEB	.29,278-	241-49-A-3	34
W8IXM	.28,999-	205-57-A-3	33
	. 26,500-	200-53-A-	10
W8TRN	.22,028-	267-33-A-2	
W8HMM.	.20,738-	200-42-A-	18
WEHAN		105-30-A-6	

WØCDP riddled his Colorado opposition what with rotaries, a ground plane, a Vee beam and a DX100. Harrison has previously accumulated plaudits for his work in the SS, DX Contest and the ARRL Membership Party.



W8NGO17.420- 134-52-A-10	W8STR20,329- 2
W8FX13,950- 155-36-A-16	W8IDM19,950-
W8GP12,400- 160-31-A-14	W8FDN19,900-
W8QBG9900- 88-45-A-11	W8CSK18,638-
W8EGI7040- 88-32-A- 9	W8ZLH15,660-
W8FZE/85808- 101-23-A-23	W8CGF14,648-
W8TCY3651- 64-23-A-16	W8QZA14,460-
W8MSK3500- 70-20-A- 9	W8ZJM12,925-
K8BEA3105- 46-27-A-10	W8TZO12.900-
W8KTR2616- 46-23-A-14	W8SJU12,710-
W8QZS2080- 54-16-A	W8DAE12,400-
KN8CPM*1829- 43-19-A-12	W8HBJ11,868-
W8IVK900- 30-12-A- 5	W8VDA11,280-
W8NSS900- 30-12-A- 3	W8MXO9170-
KN8CJX538- 23-10-9- 9	W8KMF8284-
W8JEF518- 23-9-A-3	W8MAE7980-
KN8CPR440- 17-11-A-10	W8UPB7673-
W8FZG333- 19-7-A-10	W8RSW 7400-
W8RTX/830- 4- 3-A- 1	W8EAR6844-
W8EDI (W8s BXY EDI)	W8YGR6510-
41,760- 275-64-A-40	W8PMJ 6300-
W8YY (W8s NDE NDI RTX,	KN8AHO*5950-
K8BKT)	W80YV4200-
10,197- 168-33-B-19	W8YGQ4200-
Ohio	W8CSA3960-
	W8GMK3875-
W8FGX ⁵ . 182,678-1064-69-A-36	KN8AQS3760-
W8LQA 174,600- 975-72-A-40	K8DDF3565-
W8OYI 139,898- 811-69-A-38	W8LQG3220-
W8VTF132,175- 778-68-A-40	K8AZQ3124-
W8IFX . 119,170- 701-68-A-36	W8SWB2888-
W8YPT110,425- 634-70-A-35 W8ETU/8108,630- 612-71-A-	W8QLJ2589-
W8ETU/8108,630- 612-71-A	KN8AAG1975-
W8BOJ 81,506- 473-69-A-18	W8THD 1926-
W8QDH . 80,876- 515-63-A-33 W8SDJ 72,825- 487-60-A-36	W8KHG1687-
	W8VPV1050-
K6SSM/8.69,673-454-62-A-40	KN8BDZ850-



Leading the fifth call area and New Mexico was K5CAW. On the contest scene since 1936, Joe is ex-W9BNB, W3MTQ, W2EHU, W4SEB and KL7AWB, goes for the "Tattoo," a semi-automatic break-in sys-tem described in QST for last August.

THE OCTUPE	00 770 202 70 A 25
W8SWZ	.68,776- 393-70-A-25
W8AXX	.66,000- 400-66-A-22
W8SMK	.55,413- 404-55-A-27
W9VBV/8	
K8COT	. 52,930- 318-67-A-40
W8IBX	. 52,720- 339-64-A-28
W8SGQ	.50,320- 318-64-A-29
W8KCK	.49,925- 293-68-A-37
W8DWP.	
W8VQI	
W8LOF	.43,010- 253-68-A-25
W8FDC	.42,593- 318-54-A-24
W8QXW.	.41,785- 345-61-B-26
W8BVF	.41,700- 279-60-A-25
W8NMR.	.38,088- 277-55-A-19
W8NMK.	.37,950- 346-44-A-39
W8PYX	.32,006- 287-45-A-27
W8BDO	.31,684- 250-45-A-29
W8AL	.31.165- 272-46-A-35
W8GQ	29,540- 211-56-A-27
W8CTP	.29.313- 238-50-A-27
W8NPF	.29.138- 259-45-A-17
W8EXI	.28.875- 210-55-A-24
W8EV	.28,400- 160-71-A
W8UMA.	.28.320- 241-59-B-26
WSELB	
W8RO	.26,250- 210-50-A-22
W8TND.	25.771- 195-53-A-21
W8NOX.	24,955- 217-46-A-17
W8TTN	.24,863- 196-51-A-21
W8VZE	.23,460- 184-51-A-22
W8UPH	.23.063- 226-41-A-31

W8TIZ 715-	23-13-4	1- 3
KN8CTP475-	21-10-4	1-15
W8BUM263-	11-10-4	1-2
W8FU240-	12- 8-4	A- 5
K8AJV200-	12- 8-4	A- 9
W8VSF75-	6- 5-4	Ā- Ī
W8VM 60-	6- 4-4	1-4
W8VUV23-	3- 3-4	\- I
KN8AAI3-	1- 1-2	ī- ī
W8URD (7 oprs.)		
37,750- 3	06-50-4	1-38
W8SPM (W8s SPM	TXO)	

32,195- 242-54-A-37 W8FYI (W8s FYI JBW) 15,593- 150-42-A-22 W8JOY (W8s JOY RIB, 8JO1 (#65.55 KN8BBC) 11,326- 113-41-A-22

HUDSON DIVISION

Eastern New York

K2PIC113,750-	700-65-A-32
K2EDH 107,013-	619-70-A-36
	582-65-A-40
K2DRN52,913-	415-51-A-40
	263-67-A-38
K2HJX39,751-	
W2HSZ23,418-	
K2MBU16,913-	
K2QJR12,600-	
K2QIX10,588-	121-35-A-20

K2RKR 9990- K2HQJ 9075- K2GIR 8236- K2RDM 8120- K2LMQ 7350- K2OSY 6120- K2GTZ 2560-	121-30-A-16 142-29-B-15 118-28-A-20 105-28-A-12 102-24-A- 8
KN2SFY2310-	44-21-A-17
W2FLI1600-	41-16-A-10
W2IP1375-	25-22-A-13
KN2UTV619-	23-11-A- 9
K2IWV338-	14-10-A- 3
K2PRB40-	5- 4-A- 3

K2PRB	40-	5-	4-A- 3
N	Y. Y. C1	. I.	
W2IVS	129,758-	711-7	73-A-38
$\mathbf{W2KTF}$	124.513-		70-A-40
$\mathbf{W}_{2}\mathbf{PRN}_{}$	119,970-	667-	72-A-32
W2TUK.	. 117,386-		59-A-40
W2HQL	113,840-		72-A-33
W2HMJ.	. 109,944~		72-B-40
W2MUM.	. 108,413-		70-A-37
K2CF	105,963-		70-A-39
K2FC	. 98,940-		38-A-36
W2PZE	. 90,055-		52-A-35
W2CWD.	. 85,928-		57-A-40
K2GHS.	. 82,240-		34-A-36
W2VL	63,050-	388-0	55-A-29
W2GXC.	60,032-		64-B-27
W2JBQ	57,391-		19-A-26
K2CMV.	56,238-		55-A-33
W2WFL.	95,045-		62-A-23
W2NCG.	52,178-		54-A-38
K2GBH W2MDM	50,516-	357-	57-A-35
Wandi	00,008-	414-	61-B-28
W2YSL	44,370-	303-	91-A-31
K2OPJ	40,005-	382-	14-A-27
W2LPA W2ZYX	30, / 30-	300-	19-A-30
W2UXY.	35,100-	40U-	00-A-21

56-23-A-10 81-17-A-55-21-A- 9 55-19-A- 4 42-20-A-21 32-23-A- 8 37-19-A-12 30-14-A- 3 20-17-A- 5

WZLPA	. 36,750-	300-49-A-3
W2ZYX	.35,100-	250-56-A-2
W2UXY	.32,640-	256-51-A-1
W2OWO.	30,409	232-53-A-2
W2AOD	.38,320-	236-48-A-2
K2RAR	.24,521-	255-39-A-3
W2DUS	.24.050-	260-37-A-2
K2KYK	.23,925-	218-44-A-2
W2GP	.22.478-	243-37-A-2
K2BTT	.22.100-	173-52-A-2
W2PHF	.20.895-	199-42-A-3
W2AEE6	. 18.480-	133-56-A-
K2GTC	.18.145-	191-38-A-2
W2TNI	. 18,000-	200-36-A-2
W2OBU	. 17,625-	235-30-A-1
K2PRP	. 15.551-	163-39-A-2
W2TEZ	. 15.500-	200-31-A-2
W2AIZ	. 15.340-	236-26-A-2
W2UAL	. 14.945-	214-28-A-2
K2HVM.	. 13,965-	134-42-A-1
K2SEK	. 11,733-	187-26-A-3
W2MZB	10.675-	122-35-A-
K2ONP	9636-	151-33-B-1

	W2MZB	10.675-	122-35-A
	K2ONP	9636-	151-33-B-16
	K2PGP	8827-	107-33-A-13
	K2JTW	8706-	101-35-4-11
	W2DQN	7844-	196-94-A-13
	K2PZH	7650-	00-24-4-15
	K2JQO	7525-	96-25-A-13
	K2BH	7400	90 27 A 7
	W2UNS	7260	00-01-A- 1
	Wawiio	7215	111-26-A-17
	K2LWK.	/215-	111-20-A-17
	KOTAD	/ 155-	107-27-A-12
	K2TAP	09/1-	87-33-A-31
	K2PSE KN2RCC* W2IAS	0848-	127-22-A-27
	KN2RCC*	6688-	107-25-A-17
	W2IAS	5040-	63-32-A- 9
	W20Q1	3445-	53-26-A
	K2LQM	3098-	60-21-A
	W2DID	2800-	61-20-A- 8
			53-21-A-23
	K2OUD	2636-	57-19-A-15
	KN2STF	2310-	47-22-A-17
	KN2SNM.	2213-	62-15-A-18
	W2ENW	1932-	46-21-B- 3
	W2IHE	1886-	41-23-B- 6
	K2UQX	1520-	41-16-A-15
	K2OEG	1360-	34-16-A- 6
	W2IWC	1238-	33-15-A- 1
	K2PTP	991-	31-13-A- 9
•	K2QBW	740-	19-16-A-10
	K2KXZ	690-	23-12-A- 2
	K2ABW	608-	19-16-B- 2
•	K2KND.	325-	13-10-A- 7
	W2CLG7	175-	10- 7-A

K2OEG	1360
W2IWC	1238
K2PTP	. 991
K2QBW	740
K2KXZ	
K2ABW	
K2KND	
W2CLG7	
W2APM	
W2GTY	
K2DEV	
K2TCD	30

Nor	thern	New	Jersey	
COD	194	575-	770-70-	

W2CQB134,575- 770-70-A-40
W2OIB 122,850- 702-70-A-40
W2GND . 108,205- 641-68-A-40
K2BHQ . 101,589- 607-67-A-38
W2LQP79,695- 506-63-A-30
K2KDW 74,865- 486-62-A-28
W2FZY74,195- 419-71-A-39
K2GLQ67,883-431-63-A-27
K2CSC67,481- 459-59-A-37
W2TWC . 67,320- 408-66-A-24
W2LRO63,288- 415-61-A-35
W2WSN62,310- 372-67-A-40
K2MFF60,538- 420-58-A-40
K2JLQ59,210- 383-62-A-33
K2BJA56,925- 380-60-A-31
W2MPP55,581- 421-53-A-36
W2WOS50,003- 339-59-A-25
W2DRV56,691- 316-63-A-20
K2JMX49,275- 365-54-A-34

WAUAA	40.800-	312-DU-A-3	52
W2GBY W2GBY W2OZU W2LSX	45 250-	262 50 A	ā
WOOZII	70,200-	002-00-A-2	. 2
WZUZU	. 38,049-	250-61-A-2	
WZLSX	. 36,366-	319-57-B-1	۱7
K2RPI	35 280-	280-40-4-9	2 1
WOIDI	24,062	272 EO A	á
WAIFJ	. 34,003-	2/3-3U-A-2	Ö
KZKFP	. 33,250-	239-56-A-2	: 1
K2JFJ	31.784-	271-47-A-9	ξQ
K2IBO	30 674	222 F2 A	ñ
W2LSX. K2RPI. W2IPJ. K2KFP. K2JFJ. K2IBO. K2GAL/2 W2JIB. K2RAD. K2RAD.	. 30,074-	404-00-A-2	
KZGAL/Z	. 30,609-	262-47-A-2	ď
W2JIB	. 30.135-	287-42-A-2	22
K2RAD	27 563-	221-50-4-9	o
KOKID	05 540	007 F4 D	::
MANID	. 25,542-	237-54-B-3	Sŏ
W2HUG	.25,144-	224-45-A-1	۱7
W2CWK	24 010-	154-63-4-1	9
WOOME	22,005	177 54 A C	7
WZUAL	. 23,895-	1//-04-A-2	54
W2RAD W2HUG W2CWK W2OAE W2ZEP W2BRC W2EHN	. 23,690-	206-46-A-1	b
W2BRC	23.430-	284-33-A-2	'n
W2FHM	23 250	225 40 A	~
TTO ATTO	.20,200-	200-10-A-2	٠.
WZNEP	. 23,250-	187-50-A-1	lo
K2PLF	. 22.040-	233-38-A-2	25
K2KFF	19 305-	176-44-4-1	4
WOCITAL	10,700	000 04 4 1	3
W2NEP K2PLF K2KFF W2GUM.	. 18,700-	220-34-A-1	10
WZHTX.	. 17,990-	129-56-A-1	8
W2ZXL	. 15.720-	132-48-A-1	ġ
W2HTX W2ZXL W2EQS W2WRG W2CFW	13 335-	197-49-4-1	ň
WOWDO	10,000-	121-12-1-1	2
WZWIG.	. 10,010-	214-20-A-1	ō
WZCFW	.11,238-	155-29-A-1	l 5
K2MMK. K2LSX	. 10.605-	155-28-A-	9
K2LSX	9810-	100-26-A-1	7
WOADI		05.00-11-1	
W2ABL K2QNI	0000-	00-04-M-	Ų
KZQNI	6655-	123-22-A-1	4
K2DN	5820-	97-24-A-1	1
K2DN W2BWW. K2UUU	5425-	70-31-4-1	ā
Kalling		100 00 A	'n
HZUUU		102-20-A-	Ö
W2RXL	4950-	100-20-A-	9
W2BU	4560-	96-19-A-	7
W2BU W2ING/2.	3570-	51-98-A-	ò
K2PHP K2UUT	2445	FO 06 A	ក
MATHE	0440-	03-20-A-	ä
KZUUT	3438-	63-22-A-1	.5
K2GTZ KN2SRA* KN2SDE. W2COG.	2560-	64-20-B-	Ē
IZ MOCD A	9100	47 00 4 1	×
INASKA*	2125-	47-20-A-I	1
KNZSDE.	2040-	37-24-A-1	8
W2COG	1000-	25-16-A-1	15
K2SKK	805-	23-14-4-	ŏ
WOLLD		20-14-74	5
K2SKK W2KKR KN2ULB	083-	20-14-A-	Z
KNZILR	570-	20-19-A-1	O

W2EBG...49,088- 385-51-A-33

MIDWEST DIVISION

Iowa | Iowa | W0FZO | 127,736-| W0FZO | 127,736-| W0FXO | 125,408-| W0FXN | 117,775-| K0FXN | 116,263-| W0FXN | 26,955-| W0FXN | 63,364-| W0FXN | 53,680-| W0FXN | 53,680-| W0FXN | 9,49,339-| K0AAH | 12,540-| W0FXN | 9375-| K0AKH | 12,540-| W0FXN | 9375-| K0AKH | 0,6760-| W0FXN | 9,375-| K0AKH | 0,6760-| W0FXN | 0,6760-| W0FX

WWWDR (W98 WDR YSE, KØCZQ) 51,315-314-66-A-39 KØBSK (KØBSK, KNØGTF) 32,419-238-57-A-39 KØCLS (W9SMS, K96 CLS CUI) 32,137-249-53-A-29 KØDON (2 oprs.) 27,428-207-53-A-18 WØQQH (W98 QQH USP) 24,681-180-55-A-30 KØDPH (KØDPH, KNØHFR) 23,055-174-53-A-31 WØYSE (WØYSE, K9CZQ) 17,480-153-46-A-

Kansas

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M i ssouri					
KØHEM . 107,726- 627-69-A-40					
WØEZU99,964- 665-61-A-40					
WØTDR 93,194- 574-65-A-39					
WØPUV74,506- 459-65-A-40					
WØWYJ70,560- 506-56-A-37					
WØQWS60,600- 410-60-A-39					
WØFIN 57,173- 425-54-A-38					
WØGVI 56,240- 352-64-A-28					
WØETV52,388- 321-66-A-32					
WØMHS. 36,113- 269-54-A-22					
WØYPB30,144- 232-53-A-20					
WØYCA28,500- 230-50-A-32					
WØGUV28,060- 230-61-B-30					
KØAQO 22,110- 201-44-A-26					
KNØGJD5890- 76-31-A-25					
KNØDKQ3080- 51-28-A-25					
WØKIK1960- 49-16-A-13					
WØUAW1215- 27-18-A- 5					
WØZLN83- 1-1-A-1					
WØEEE (7 oprs.)					
66 670- 568-50-B-30					

Nebraska

WØBUR	94.013-	547-69-A-27
WØRNH	85,140-	523-66-A-40
WØWLO	84,175-	521-65-A-40
WØDW	76,640-	483-64-A-40
WØYRY	51,404-	349-59-A-34
WØZIN	9625-	112-35-A-10
WØVSR	8910-	108-33-A-17
KØDSJ	2300-	41-23-A- 7
KØBQY	2104-	52-17-A-13
KØEMH/Ø	(20 oprs	3.)
	15 190	104 49 D 95

NEW ENGLAND DIVISION

Connecticut

W1TYQ138,510- 771-72-A-38
W1BIH . 123,113- 706-70-A-38
W1FEA 109,895- 714-62-A-40
W1ODW . 108,719- 613-71-A-38
W1MHF85,905- 514-69-A-36
W1ZDP9 85,085- 504-68-A-28
W1SVS75,225- 512-59-A-35
W1VG962,689- 344-73-A-25
W1GVK59,850- 400-60-A-33
W1AW9, 10.59,000- 500-59-B-19
W1ACR38,700- 332-48-A-29
W1DDJ35,535- 309-46-A-28
W1OPY34,230- 326-42-A-28
W1AMY23,156- 238-39-A-18



Western Massachusetts



W1QIS9	21,550-	216-40-A-13
WIVKZ	20.213-	231-35-A-37
WINLM	18 724-	151-62-B
		210-44-B-16
WILLY	10,040-	210-44-D-10
		135-49-A-17
		226-29-A-37
W100L	. 11.186-	119-47-B-18
WITCW		158-25-A-20
WIRON		111-22-A-12
WIJBK		81-27-A- 7
W1EBW		100-18-A-15
W1BGP	3800-	76-20-A
WN1IWQ*	2280-	41-24-A-13
W1BDI9		34-26-A- 4
W1NJM9.		50-16-A
WIASO		41-18-A- 4
WIKAM		47-15-A-
W1GBZ		37-17-A- 6
W1YYM9.		22-18-A- 2
W1RFJ	860-	43- 8-A
KNIACC.		10- 7-A- 5
WIINB		8- 5-A- 2
WNINQX		8- 5-A- 9
WN1MDB		4- 3-A- 2
W1IKE9	10-	2- 2-A

M aine

W1BCD	51.345-	326-6	3-A-3	31
WN1LCX	394-	23-	9-A-	11
W1HAG	113-	9-	6-A-	4

Eastern Massachusetts

W1DDF/	′ 1	
	113.750-	651-70-A-40
WITW		610-70-A-35
WITSM	104 704-	608-69-4-40

W1ASU		52-36-	
W1YK11			
W1BDV	300-	15- 8-	A-
WIGNN (V	Wis GNI	[GNN)	
-	29,963-	249-51-	A-3
W1ZPJ (W	ls BDV (3HG, W	7N1
CTZIEU	r\ 10_ '	· 9_ 9_	. Α

New Hampshire

W1BFT 172				
W1CRW57				
W1TRM 23				
W1HKA?				
W1IQD				
WN1MTX	3-	1-	1-A-	1

Rhode Island .80.063- 525-61-A-38

W1CJH80,063- 525-61-A-33	
W1VBR55,350- 412-54-A-3	
W1RFQ27,251- 254-43-A-29	
W1BIS24,750- 180-55-A-1	4
W1CMH 22,500- 250-36-A-1	e
W1SXX18,375- 150-49-A-2	2
W1LWA11,770- 107-44-A-1	1
W1FII 10.888- 170-26-A-2	2
W1UTA8330- 119-28-A-1	3
W1AWE2156- 41-21-A-	-
W1DED 1120- 25-19-A-	8
W1ZXA689- 27-13-B-	6
WN1JWZ (WN1s JWZ KGR)	
915- 31-12-A-3	ę

	V 6/ //60/66			
W1QMM47,530- 340-70-B-27 W1UGW35,123- 223-63-A-17 W1OAK2562- 61-21 B- 4	W1ŬGW.	. 35,123-	223-63-A-1	7



Smiling KP4DH copiously distributed West Indies to one and all, taking honors in that section with 100,238 points. When last heard, Frank was batting out about 50 QSOs per hour in the 1957 ARRL International DX Competition.

NORTHWESTERN DIVISION

Alaska	
KL7MF17,325-	165-42-A-14

Idaho

1 44110		
W7WMO53,520-	339-64-A-34	
W7ASA 46,526-		
W7FBD15,810-	156-51-B- 6	
W7IY8190-		
W7ZRC7556-	100-31-A-17	

Montana

W7VGZ	.54,653-	352-63-A-38
		212-73-A-29
W7BMI	1056-	34-13-A- 6

Oregon

W7TML .101,010- 725-70-B-39
W7AOZ 86,681- 523-67-A-39
W7AIJ42,981- 265-60-A-30
W7LT37,844-287-66-B-39
W7ZUD10,920- 156-28-A-28
WN7CMR3445- 64-26-A-21
W7AXK1000- 41-10-A-11
W7JAZ390- 22-10-A- 8
W7SYF383- 17- 9-A- 4
W7WQM/7 (W7s JHA WQM)
89,080- 528-68-A-39
W7ADU (W7s ADU DIS)
56,183- 348-66-A-30

Washington

Vi asittigtoit
W7GWD.114,210- 638-72-A-37 W7PQE. 109,944- 771-72-B-40 W7AJS. 108,290- 629-68-A-29 W7LEV89,355- 521-69-A-35 W7YAQ65,960- 394-68-A-36 W7WMY60,468- 383-67-A-32 W7AMT. 54,560- 343-62-A-28
W7VRO42,981- 273-65-A-18
W7ZOI37,950- 253-60-A-38
W7JJI 26,500- 200-53-A-39
W7FZB 21,330- 159-54-A-18
WN7CNL.20,625- 167-50-A-36
W7VKZ11,468- 140-33-A-30
W7ETO11,300- 113-40-A-18
W7HVM10.814- 107-41-A-19
W7MEA6300- 72-35-A-15
W7FVI2000- 50-16-A- 5
W3UYN/71155- 42-11-A-11
W7SVM131- 8-7-A-2
WN7BUO3- 1-1-A-1
W7YGN (W7s YGN YMW)
65,178- 443-62-A-39
W7QLH (W7s CSK QLH)
12,398- 132-38-A-32
12,000 102 00 11 02

PACIFIC DIVISION

Nepada

W7KEV173,649-	
W7VIU 11,704-	
W7YNO/79240-	
WN7CRT488-	20-10-A

Santa Clara Valley

W6UTV	134.750-	770-70-A-36	
		685-73-A-39	
K6DYX	59,295-	444-67-B-38	
		315-67-A-30	
K6LSG	31,650-	211-60-A-26	,
K6QCI	25,125-	205-50-A-37	•
W6PBV	24,711-	187-53-A-18	
W6CLZ		197-44-A-26	
		47-18-A- 5	
WARCY	150-	10. G A 1	

East Bay

W6PYH129,666-713-73-A-40
W6TT118,808- 651-73-A-34
K6GS106,380- 591-72-A-38
W6TMX97,891- 552-71-A-38
K6AUC69,530- 425-68-A-30
W6IPH 42,880- 335-64-B-27
W6NBX1855- 53-14-A
K6ITZ (K6ITZ, KN6SYR)
23- 4-3-4-1

San Francisco

W6BIP1	07,164-	734-73-B-40	ı
W6EYY	91,560-	662-70-B-31	
K60PI	55,738-	347-65-A-30	ì
W6YC	42,545-	318-67-A-30	ì
		129-52-A	
		179-22-A- ~	

Sacramento Valley

K6ORT.	93,100-	532-70-A-33	3
W60KK	67.830-	400-68-A-33	3
K6CNE.	56,480-	357-64-A-37	7
W6NHA	55,208-	412-67-B-23	3
K6ILB.	10.165-	108-38-A-20)
W6QIV.	7175-	82-35-A-21	l
KN6SXA	12546-	67-21-A-30)
KN6TB1	P 2370-	41-24-A-21	ı
W4AWA	I/6.1720-	44-16-A- 8	2

San Joaquin Valley

W7FVI2000- 50-16-A- 5	W6EFV87,774- 495-71-A-31
W3UYN/71155- 42-11-A-11	W6MYP79,450- 454-70-A-30
W7SVM131- 8-7-A-2	W6BVM 78,767- 542-73-B-26
WN7BUO3- 1-1-A-1	K6OVJ51,300- 345-60-A-39
W7YGN (W7s YGN YMW)	W6HYK 47,120- 300-64-A-27
65.178- 443-62-A-39	W6BYH45,297- 360-63-B-14
W7QLH (W7s CSK QLH)	W6QXF 25,125- 150-67-A-30
12.398- 132-38-A-32	K6HTM 9900- 140-36-A-20
12,000 102 00 11 02	K6JPT 8926- 102-37-A-26
	K6OOV2835- 65-18-A- 9
PACIFIC DIVISION	K6JSY2430- 43-24-A-11
	K6HFA1080- 27-20-B- 3
Hawaii	KN6PKJ*400- 20-8-A-10
KH6MG92,140- 542-68-A-34	KN6TLX340- 17- 8-A- 5
KH6IJ 89,136- 619-72-B-38	K6LZU315- 15- 9-A- 3

K6MBM68- 9- 3-A- 3	WØWME48,000- 324-60-A-35	K6JBV48,525- 333-60-A-30	W5CYQ70,880- 450-64-A-34
K6CLK40- 4- 4-A- 1 KN6RLX35- 4- 4-A- 4	WOIA45,225- 304-60-A-34 WOIC 34,461- 274-63-B-10	W6KWF43,350- 389-60-A-28 K6CXF 30 340- 281-56-A-20	W5CYQ70,880- 450-64-A-34 W5CKT24,750- 225-55-B-14 W5LPL10 916- 107-41-A-21
KN6UTK23- 3-3-A-1	WØIC34,461-274-63-B-19 KØEDK27,000-200-54-A-20	W6ACL34,368- 234-59-A-25	W5LPL10,916- 107-41-A-21 W5FEC8701- 102-39-A- 8
	KØEDH21,060- 176-48-A-21 KØBWI9263- 95-39-A-18	W6ACL34,368-234-59-A-25 K6GUZ30,590-219-56-A-14 W6WKE30,360-277-55-B-19	K5CBA3375- 54-25-A
ROANOKE DIVISION	KVGEU8750- 100-35-A-25	WBCBV20213- 165-49-4-19	Southern Texas
North Carolina	WUMYB 1870- 34-22-A- 7	W6MJP18,488- 145-51-A-12 K6DQE18,240- 152-48-A-21	W5BTS108,205-650-67-A-40
W4LYV111,599- 621-73-A-40 W5DWT/477,726- 497-63-A-25	KØEDG1725- 30-23-A KNØEGJ*1445- 37-17-A-15	K6IGZ17.273- 141-49-A-16 K6UYK16,800- 140-48-A-12	W5ABV78,790- 464-68-A-27 W5JPC64,020- 388-66-A-33
W5DWT/477,726- 497-63-A-25 W4BTZ54,900- 360-61-A-40 K4LFX21,336- 255-42-A-27	KNØDZJ1175- 52-10-A-20 WØUIB15- 3- 2-A- 3	K6UYK16.800- 140-48-A-12 W6AMY15,480- 131-48-A-31 W6LVQ14,375- 115-50-A-31	W5JPC 64,020- 388-66-A-33 K5WAC ¹⁴ .54,648- 416-66-B-28 KN5EZV*.34,583- 262-53-A-34
W4RDU 13 000= 130=40=4=10	KN0EQS5- 2-1-A-2	K6PQV12,240- 136-36-A-15	
W4RFB11,305- 122-38-A-24 KN4IEX*4894- 87-27-A-19	KØDCC3- 1-1-A-1 KNØEJG3- 1-1-A-1	W6PUV 12,240 - 136-36-A-15 K6PQV 12,240 - 136-36-A-15 K6DLY 9595 - 102-38-A-21 W1CUL/6 9204 - 101-37-A-31	W5CTZ2760- 46-24-A- 9 KN5GFF2670- 55-24-A-31 KN5EAU ¹⁵ 10- 2-2-A- 1
KN4KBA 3438- 55-25-A-20			KN5EAU1510- 2-2-A-1
KN4JAK440- 17-11-A- 4	Utah	K6KZY7830- 131-24-A-27 K6BAG/6 ¹⁸ 7688- 62-62-B- 8 K6LKG7425- 92-33-A-12	
K4BHN383- 17- 9-A- 2 KN4JZE248- 13- 9-A- 5	W7BAJ67,538- 385-70-A-35	KKI.K() 7495 Q9_99_4_19	New Mexico K5CAW138,006- 794-71-A-38
MN49215240- 10- 5-N- 0	W7POU 25,181- 202-51-A-39 W7TTM 24,295- 229-43-A-26 W7BUY (W7BUY, W0AZT) 8815- 86-41-A-15	W6UUC4650- 60-31-A- 8	W5GCI . 104,400- 582-72-A-37 W5FTP 88,468- 662-68-B-39
South Carolina	W7BUY (W7BUY, W0AZT)	K6JAM 4125- 57-30-A-18	W5FTP88,468- 662-68-B-39 W5KWP62.144- 408-61-A-40
W4HGW86,933- 524-67-A-36 W4ZRH70,500- 470-60-A-37	0010 00 11 11 10	K6DDO3713- 55-27-A- 3 KN6QYG*3508- 65-23-A-25 K6SHJ2400- 50-20-A-20	W5KWP62,144-408-61-A-40 W5ECP14,300- 133-44-A-16 W3CCQ/57306- 87-35-A-19
W4BWZ63,365- 441-58-A-40 K4DFR45,598- 403-46-A-35	Wyoming	K6SHJ2400- 50-20-A-20	Wacce/3/300- 87-35-A-19
K4IUD20,625- 193-44-A-40	W7HYW 64,470- 461-70-B-29	W6GTR1853- 40-19-A-11 KN6PSJ1628- 54-14-A	
K4IUD20,625- 193-44-A-40 K4EYV16,215- 139-47-A 20 W4VDG370- 19- 8-A- 3	W7HRM 21,471- 211-51-B-10 W7UFB 14,063- 114-50-A-13 W7PSO 12,488- 113-45-A-7	K6MQN1625- 35-20-A KN6QBZ975- 27-15-A-13	CANADIAN DIVISION
W1724010 10 011 0	W7PSO12,488- 113-45-A- 7 W7BHH3843- 53-29-A-10	KOKMD900- 23-16-A- 3	
Virginia		K6QIP675- 27-10-A W6ZOL/6510- 17-12-A- 3	Maritime
W4KFC219,000-1205-73-A-40 W4YHD.165,710-910-73-A-39 W4PNK.136,413-784-70-A-38	SOUTHEASTERN	K6KME360- 17- 9-A- 2	VO6N19,550- 170-46-A-22 VE1CU220- 11- 8-A- 1
W4PNK136,413- 784-70-A-38	DIVISION	W6DXZ40- 4-4-A	
W4BZE127,075- 749-68-A-38 W4IA114,480- 637-72-A-31	Alabama.	K6PLW23- 3-3-A- 1 K6IBE (K6s CYX IBE)	Quebec
W4TKR107,453- 644-67-A-39 W4JUQ102,296- 658-63-A-39 W4CXA99,720- 554-72-A-35	Alabama W4WOG 58 823- 342-69-4-26	80.730- 468-69-A-40	VE2ADD .64,417- 412-63-A-39 VE2BX43,106- 303-57-A-29
W4CXA99,720- 554-72-A-35	W4WOG58,823- 342-69-A-26 W5LOT/4.55,361- 355-63-A-32 W4GUV47,200- 297-64-A-25	K6LBE (K6s LBE MSG) 20,913- 243-35-A-40	VE2YU 41,025- 275-60-A-21
W4GF 88,751- 564 63-A-34 W4TFX 87,280- 546-64-A-31 W4ZM 83,583- 499-67-A-39 W4GMX 58,499- 483-61-B-37 K4HAA 54,780- 500-44-A-36 WAYZO . 54,780- 500-44-A-36	W4USM 21.788- 210-52-B-12		VE2ADD .64.417- 412-43-A.39 VE2BX .43.106- 303-57-A.29 VE2YU .41,025- 275-60-A.21 VE2CP .30,378- 210-58-A.20 VE2AVC .25,530- 222-46-A.23 VE2PZ .17,220- 163-41-A-15 VE2ANQ .3190- 59-22-A-15 VE2ANQ .3190- 1425- 30-10-A-8
W4ZM83,583- 499-67-A-39 W4GMX58.499- 483-61-B-37	W2GVH/4 13,300- 175-38-B-21 W4EJZ11,973- 155-39-A-12	Artzona	VE2PZ17,220- 163-41-A-15 VE2ANO3190- 59-22-A-15
K4HAA54,780- 500-44-A-36	K4AIW 8915, 107, 31, 4, 90	W7CJZ119,680- 707-68-A-40 W7EAX32,592- 294-56-B-16	VE2AOQ1425- 30-19-A- 6
W4YZC54,138- 355-61-A-11 W4JUJ53,040- 332-64-A-23	K4CXC7640- 96-32-A- 6 W4ZGE4691- 70-27-A- 4	W7ATV20,844- 199-54-B-14 W7PUV10,800- 112-40-A-16	VE2AJD764- 26-13-A-13 VE2ATT200- 11- 8-A
W4WBC 49,300- 340-58-A-33 W4YEA 45,120- 376-60-B-30	K4IVF3705- 59-26-A-15 KN4KID3526- 50-31-A-20	W7PUV10,800- 112-40-A-16	
W4VRT44,395- 342-52-A-10 K4IKF40,500- 325-50-A-21	W4CIU300- 15-8-A-3	San Diego	Ontario VE3DSU.110,513- 632-70-A-40
W4SNH 37,560- 313-48-A-16 W4FRO 34,688- 278-50-A-19			VE3VX ¹⁶ 85,593- 512-67-A-39 VE3EAM .85,090- 510-67-A-36
	Eastern Florida WASHW 83 573- 510-66-A-32	W6ZVQ107,100- 612-70-A-38 W6JVA103,216- 584-71-A-39 K6LIV37,950- 256-60-A-29	VE3EAM .85,090- 510-67-A-36 VE3ES74,725- 494-61-A-39
W4PVA 30,993 - 253-49-A-34 W4JHK 29,820 - 250-48-A-11 W4NH 29,288 - 213-55-A-14	W4SHW . 83,573- 510-66-A-32 K4IXG 83,525- 515-65-A-39	NOEQL20,800- 158-08-A-15	VE3EA M
W4NH29,288- 213-55-A-14	K4EVU 78 199- 501-63-A-40	K6EJK	VE3BXF48,538- 353-55-A-32
W4FJ23,688- 213-54-A-22 W4JAT27,150- 181-60-A-13 K4CQA/4.25,174- 206-49-A-20	K4IXC68,778-451-61-A-34 W4RWA67,408-462-59-A-40 K4DAS66,439-484-56-A-39	K6IWU1983- 32-26-A- 7 K6BCG (K6s BCG OLS	VE3ACB . 34,190- 263-52-A-26 VE3DH 20,213- 194-42-A-21
K4CQA/4.25,174-206-49-A-20 K4BND 22.400-224-40-A-33	W4VPD 65,625- 375-70-A- W4WHK 61,200- 384-64-A-27	KN6ULV)	
K4BND22,400- 224-40-A-33 W4PLS22,375- 182-50-A-21	W4WHK61,200- 384-64-A-27 W4DXL/4.41,895- 338-63-B-36 K4KDN40,165- 277-58-A-17	19,000- 102-40-A-33	VE3IR18,300- 150-61-B-14
K4EZL19,013- 195-39-A W4IHN15,695- 108-73-B-30 K4GWO14,644- 178-33-A-29	K4KDN40,165- 277-58-A-17 K4IKQ21,038- 168-51-A-32	Santa Barbara	VE3IR 18,300- 150-61-B-14 VE3RN 17,763- 145-49-A-29 VE3YV 15,222- 177-43-B-16 VE3BLY 13,640- 177-31-A-18
K4GWO14,644- 178-33-A-29 W4JUY12,303- 133-37-A-	K4DRO20,210- 174-47-A-16	W6ERB100,554- 567-71-A-40	VE3BLY13,640- 177-31-A-18 VE3IZ7750- 100-31-A- 9
W4JUY12,303- 133-37-A KN4JFE12,045- 165-33-A-40 W4BLR11,780- 152-31-A-12	W4VTJ13,200- 132-40-A	W6YK . 92,520- 516-72-A-39 K6INI . 56,438- 323-70-A-36 K6QNR/6 . 25,760- 226-46-A-37 W6DTY . 17,325- 158-44-A-17 K6CST 15,096- 148-51-B-19	VE3IZ7750- 100-31-A- 9 K2INZ/VE3.6885- 82-34-A- 9 VE3DYJ6510- 85-31-A-23
W4NAD. 10.450 110-38-A- 7	Western Flor t da	K6QNR/6.25,760- 226-46-A-37 W6DTV 17.325- 158-44-A-17	VE3BAJ180- 12- 6-A- 3
W4HJK9529- 116-33-A-11 K4GLX7950- 109-30-A-24	W4WKQ.103,125- 627-66-A-37	K6CST15,096- 148-51-B-19	
W4ZCL7552- 118-32-B- 7 W4FPX6606- 76-35-A-13	Georg t a	·	Manttoba W3MCG/VE4
W4BIJ6405- 61-42-A- 6	K4BAL100.969- 753-67-B-38	WEST GULF DIVISION	11.019- 108-41-A- 8
K4DSD/45033- 92-22-A-12 W4PHL2900- 50-29-B- 4 K4HVO2650- 54-20-A-11	W4ZKU71,355- 506-71-B-35 K4DWF68,424- 411-67-A-31		VE4YZ4640- 73-32-B- 7 VE4WI1575- 34-20-A- 7
K4HVO2650- 54-20-A-11 W4BPV2255- 41-22-A- 9	WWW FP/4 67 320- 510-66-H-29	Northern Texas	
W4YE1573- 37-17-A- 1	W4BEY66,065- 365-73-A-37 W4FWU64,739- 387-67-A-37	W5BLU114,665- 680-68-A-40 K5HLG113,419- 658-69-A-40 W5DXW.104,563- 600-70-A-37	Saskatchewan
K4BJU1560- 40-16-A- ~ K4AL1440- 32-18-A- 5	W4BXV 60 776- 427-57-A-28	W5DXW.104,563- 600-70-A-37 W5COY84,105- 543-63- 4-25	VE5DZ39,329- 300-67-B-33
W4HRP1354- 29-19-A- 9 W4FZG 1295- 37-14-A- 3	K4GGN48,000- 302-64-A-38 K4HAV41,663- 304-55-A-29 K4GRI 37,760 257,50 A-29	W5COY84,105- 543-63-A-25 W5FTD62,175- 416-60-A-34	Alberta
K4EJG1091- 24-19-A-12	K4GBL37,760- 257-59-A-22 K4ANZ35,554- 250-57-A-31 W4LDD28,420- 197-58-A-26	W5QF60,165- 382-63-A-28 W5QF46,719- 289-65-A-24	VE6MA51.975- 330-63-A-35
K4EZY510- 18-12-A- 5	W4LDD28,420- 197-58-A-26 W4EGP27,731- 250-45-A-28	W5QF 46,719 - 289-65-A-24 W5QF 46,719 - 289-65-A-24 W5DLM. 41,253 - 291-57-A-23 W5DYK 25,145 - 194-47-A-26 W5PCX 25,145 - 194-47-A-26 W5OBY 23,1366 - 243-48-B-27	VE6SX12,675- 131-39-A-22 VE6TY12,470- 118-43-A-11
W4ZIE413- 15-11-A- 2	W4EGP 27,731- 250-45-A-28 W4YK 26,455- 204-65-B-15 K4HM8 14,580- 112-54-A-	W5FCX25,145- 194-47-A-26 W5ORV 23 138- 242-48-P 27	
W4IMP98- 7- 7-B	K41OV 1900- 40-19-A- 8		British Columbia
W4WSF23- 3-3-A-1	K4HOU1650- 33-20-A- 5 K4CXE1463- 33-18-A-10	W5FIY17,625- 153-47-A-40 W5AWT4495- 73-31-B- 4	VE7JO47,250- 300-63-A-24 VE7AGN27,084- 233-47-A-31 VE7AC24,780- 210-59-A-16
W4WSF23- 3- 3-A- 1 K4JVE10- 2- 2-A- 1 W4ZCL8- 2- 2-B	KN4HIG1401- 42-19-A-16	WalbC920- 23-16-A- 3	VE7AC24,780- 210-59-A-16
W4KXV (W1UGW, W4KXV) 109,200- 624-70-A-35	West Indies	K5BFP11- 3-3-A-1	VE7JL14,981- 120-51-A-34 VE7RZ200- 11- 8-A- 1
K4DKA/4 (K48 DKA JKL)	KP4DH100.238- 616-66-A-35	KN5IBR3- 1- 1-A- 1 W5GNE (W5s GNE ZKJ)	
7020- 104-27-A-11	KP4ZW32,966- 224-59-A-19	89,050- 550-65-A-40	Yukon VESIW 64 252_484_67_B_28
West Virginia	Canal Zone	Oklahoma	VE8JW64,253-484-67-B-28 VE8OJ4633-55-34-A-9 VE8OW3706-56-34-B-25
W8KWI81,680- 518-64-A-25 W8TDG 46,839- 354-53-A-26	KZ5BC19,796- 202-49-B		VESOW3706- 56-34-B-25 VESCN (VESS AB CN)
W8TDG46,839- 354-53-A-26 W8SNP22,052- 302-37-B-16 W8UYR20,304- 213-48-B-20		W5EQT103,360- 672-64-A-39 W5NQF76,455- 481-64-A-36	30,409- 230-53-A-12
W85WX	SOUTHWESTERN		
KN8CMW5731- 70-35-A-32	DIVISION	I W2001 or * W07M*	3 WOEVD one 4 WODAN
W8MLX1254- 32-17-A-11 KN8CCO123- 8- 7-A- 4	Los Angeles	WSEZF, opr. 6 K2DVT, opr.	. 3 W9EXP, opr. 4 W8DJN, opr. 7 W2GNP, opr. 8 W9CMU, opr. rd. 10 W1WPR, opr. 11 W1WMH, opr. 14 W6HQN, opr. 15 K5ABV,
ROCKY MOUNTAIN		opr. 12 W6CUF, opr. 13 W6NJU.	opr. 14 W6HQN, opr. 15 K5ABV.
DIVISION	W6BJU ¹² . 198,000-1107-72-A-38 W6YMD. 157,096-1079-73-B-34 K6JQJ 153,658- 878-70-A-38 K6CEF 151,840- 832-73-A-37	opr. 16 VE3BHS, opr.	mateurs for submitting their loss
	KACEE 151 840- 832-73-4-37	for checking nurnoses: Wis SE	mateurs for submitting their logs O HE W2CVW, W3HTK, W48

EASOM* K6.QJ. . 153.658- 878-76-Ā-38 ***ARRĪ. thanks the following amateurs for submitting their logs K6.CEF. . 151.840- 832-73-A-37 for checking purposes: \$\mu 1.85 \text{UE}\$. W2CVW W3HTK. \$\mu 3.47 \text{W6SBB}\$. 146.881- 832-73-A-39 ***AUM GGD KOQ NSM, \$\mu 6MUR, \$\mu 7.8 \text{CCC}\$ FCD HBO RGZ, \$\mu 800 \text{W6SGG}\$. . 64,181- 410-63-A-28 ***W6SRT... 56,063- 325-69-A-32 ***V6SVD.***U6S