



A master at work! HC1DC, tops c.w. with well over a million and 3rd high phone DX at almost half a million points, must find that 11,700' altitude agreeable. The station includes a 51-J receiver, Viking 500 and Collins 32S-2 transmitters plus a Ranger and a 300-watt 160-meter amplifier (not visible) all used to advantage in a fabulous performance.

Behind the tribander can be seen the snow line of 20,000' Mt. Cotopaxi, top in the clouds. That's Don in the foreground with the long-wire just barely visible over the rooftop.

# ARRL DX COMPETITION

## 1963 Results

COMPILED BY ELLEN WHITE,\* W1YYM

"... the ease with which the big guns took charge in the pileups... the great operating skill of W1JYH... the terrific VK signals at sunrise Sunday a.m. on 80, 3/24... the monumental pileups on the late newcomers just before 2400Z 3/24... the nerve wracking wait to find out who HKØAI was going to call while he sent a string of V's and his call first... the great signals of 9M2UF and VSILP on 14 Mc. at noon... the great DX potential of 21 Mc... the fine signals and competitors from Europe..." — W2CWX

**T**HE stage was set last February and March, the 2nd and 4th weekends scheduled for the competition separating the men from the boys. The ARRL International DX Competition, 29th running, was on the way! What transpired was an interesting example of what can happen when a high degree of W/VE/DX activity challenges a steadily declining m.u.f. Charts and graphs elsewhere in this report indicate what happened to the higher-frequency bands, and additionally, the upsurge of transcontinental DX that was found on 40-80 and 160 meters.

Statistically, this latest continuation of the First Transatlantic Test found 1383 amateurs reporting results, an increase of about 60 over the previous year. A total of 314 section, country and club awards are scheduled for mid-October mailing.

Space won't permit listing all of the single-operator c.w. scores, but here's the top ten: W3GRF 679K, W8FGX 622K, W4YHD 605K, W3ECR 600K, K4RDE 507K, W9EWC 496K, W4DHZ 488K, W8VSK 478K, W4DQS 466K,

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W3ALB 445K. Multi-operator scores draw a lot of interest too; here's the breakdown on the top ten W/VEs: W6RW 683K, W3TMZ 658K, W3WJD 658K, W4KXV 619K, K6EVR 609K, W0NFA 527K, W3KFQ 418K, W3MWC 394K, W3ADO 387K, W3GRS 380K.

On the phone side of the DX picture, the top ten single-operator W/VEs show up as follows: K5MDX 332K, W2FXN 198K, K2GXI 196K, W1ONK 168K, K2IEG 166K, W4BVV 166K, W3ALB 141K, W3TLN 131K, W3OCU 122K, K1RTB 108K. In the more-than-one operator category the top ten W/VE phones are: W3MSK 576K, W6HJT 427K, W8NWO 206K, W3WJD 180K, W3ADO 174K, W2SKE 165K, W3KFQ 141K, W8NGO 107K, K6EXO 90K, W3HHK 70K.

### The Clubs

Back again in the box-topping spot is the Frankford Radio Club with 68 entries for an 8-million-plus aggregate and still another cocobolo gavel to add to their collection. In the 2nd slot, averaging almost 190K points per member is the Potomac Valley Radio Club. Third and fourth show a reverse of last year's position too, with the Northern California DX Club out-pointing the SCDXC, a million points more this year for NCDXC, *f.b.!* A newcomer to the upper echelons of the tabulation with a big jump from '62 is the Virginia Century Club with 13 entries. No stranger to the stratified region of the million-pointers is the Order of Boiled Owls of New York, placing 6th in the club competition. A total of 33 clubs made the box, having the minimum number of entries (3)... lots more were ineligible with less than that number.

## Highlights

**1** W1BIH made all his points the first weekend, spending the second one at Dutch St. Maarten. W1OPB found the last two contest hours on 40 an absolute bedlam. W1ECH had almost "given up" at his city QTH but, nevertheless, got 4 new ones on 20. K1DIR managed to find 56 mult. on 15 and 6 too on 160. W1NJL tried c.w. à la multiop, and found it a saving on nerves and family relations too. Maestro K1RTB finds this by far the contest of contests, bar none.

W1ONK with 168-K phone points in E. Mass. found plenty of goodies with a mult. of 70 on 20 and a total of 92 different countries worked. W1NJL puts in a plug to really use 40 next year. After working South Americans off the ends of his fixed 20-meter east-west array W1ZFV of R. I. concludes he could have used a rotary.

**2** W3SQX, opr. W2FXN, bemoans the loss of the only 15-meter c. w. opening to Europe due to broken coax 80' up. W2GGL earns kudos from ARRL's weak-eyed K1MYQ & W1YYM for a neat orderly and readable log. In turn W2GGL credits a cooperative xyl. FRC faithful K2CPR feels that a ZC4 on 40 and HL9 on 20 are still good catches in such a fracas with 175 watts, sans beam. In WNY K2INP asks "doesn't W3MSK or W8FGX miss anything?" 15-yr. young WA2WGI figures if he improves as much by age 50 as he did over last year he'll have about 10<sup>69</sup> points! OT W2WZ puts in a plea for some of our DX friends to sign their calls at least once every 5 QSOs. 13-yr. old WA2RUB worked 5 bands for a 110 multiplier and wonders if he's the youngest entry at age 13. (Nope, there's WB2BOW at 12!) W2GGE, top c.w. in NNJ, lists some of the bad-type operating observed: key-down v.f.o. tuning, holding key on DX freq., calling too long overlapping the DX reply, disregarding KN, calling during the W/VE transmission, slow drift during call. WB2APG claims some DX stations are still in the dark about the WB prefix, prone to give 599 reports.

W2FXN led the phone boys in SNJ with almost 200-K for the Frankford RC — and a most readable log. K2GX1 found it a tough battle for every QSO this year. K2PZF worked 3 new ones while WA2IZS went up to #296 with Gus at FR7ZC/J. WA2IOK plans to be on 40 and 75 in '63 instead of sleeping. K2IEG at his fine QTH tallied 101 on 20 and with others on 75-40-15-10 tallied 165-K. WA2RUB suffered torment tuning across the sideband areas thinking what might have been had he been on s.s.b.

**3** W3MFW keyed W3ECR to the 3rd high single op, W/VE-snagging 4 QSOs in 3 continents on 160 along the way. After a fine 7-Mc. performance K3NBU says he'll leave that ground plane up forever. Lennie Chertok the grand master of W3GRF shows his system for keeping track of countries and quotas elsewhere in this report. In addition to the totals by W3GRF on 80-10, Lennie snagged 10 multipliers down on 160. W3QQI demonstrated cool, clear-headed positive thinking, i.e., after smoke poured forth from his rotator control box and couldn't be fixed, he climbed the tower, pointed the beam at Europe and finished out the 2nd weekend. W3RNY credits a score improvement to the ability to change bands rapidly. In a 20-meter solo "go", PVRC's W3AFM summed up 282 two-ways in an even 100 countries. W3BKE's log was among the neater, many thanks, Tom. The boys at the U. S. Naval Academy, W3ADO, did a grand job on 80 through 10 to the tune of "BEAT ARMY." The crew at W3GRS made a "must" list for '64: 1) two receivers, one to check the band and locate the stations the DX is working for zero purposes 2) another to keep those really weak ones tuned in on at all times 3) separate finals for quick band changing. Operating during the 2nd weekend only was K3KMA, his first DX test since '34. Bob used a handful of crystals, 100 watts, a folded dipole, pre-WW II receiver and a lot of patience. After realizing how much fun he missed K3KMA plans a return in '64, modern style, perhaps even a v.f.o.!

The boys at W3WJD had fun and found 23 multipliers on 75 phone calling it no less than fantastic. K3CBW throws in a note of appreciation for the DX operator's request for one district at a time, giving the QRP boys a chance. K3SMN got a laugh at the guy answering in a falsetto to a "now let's hear from the YL." The crew at W3MSK racked up points galore for a larger score in spite of worsened conditions, due to a better set up. The boys at the U. S. Naval Academy, W3ADO, did a fine job at their first year of contesting with Midshipman 4/C KØDQI commenting "the midwest was never like this."

## 1964 ARRL DX COMPETITION

Phone: February 8-9, March 14-15

C. W.: February 22-23, March 28-29

### NUMBER OF COUNTRIES WORKED BY BANDS

LISTED ARE COUNTRY TOTALS MORE THAN	30 ON	3.5 Mc.
	50 ON	7 Mc.
	80 ON	14 Mc.
	60 ON	21 Mc.

(Lower Totals Not Listed)

CALL	3.5 Mc.	7 Mc.	14 Mc.	21 Mc.	CALL	3.5 Mc.	7 Mc.	14 Mc.	21 Mc.
K1DIR	34	51			W3TMZ *	45	70	100	69
W1JYH		54	83		W3WJD *	49	72	107	76
W1NJL *	33	55			W4BCV			81	
K1RTB		54	80	60	W4BVV *	36	64		
W1SWX/I	37				W4CKD		80		
W1WY			61		W4DHE	35	66	89	67
WB2APG *	30	52			W4DQS	39	62	84	60
W2AYJ		67			W4DXI		50		
W2CWK			99		W4KXV *	43	58	96	67
W2FXN		62	89	60	W4MCM			90	
W2GGE	30		83		K4RDE	38	69	94	80
W2HAQ			84		W4RQR		61	83	61
W2HMJ		54	86		W4SHJ	36			
W2HO			82		W4VWH		51		
K2IMP		50			W4YHD	44	75	99	64
W2KX *	34				K6AHV		63		
W2VJN		51			W6BYB		57		
W2VZ			84		W6EPZ		63		
W3ADO *	38		82		K6EVR		75	108	
W3AFM			100		W6GRX		53		
W3ALB	36	52	95		W6HOC		56	78	
W3BES		55			W6KG		56		
W3DAO			85		W6RW *		84	108	
W3ECR	35	74	94	71	W8ETU			89	
W3EIV	31	56			W8FGX	37	80	99	74
W3GHM *	33	52	91		W8SJU			101	
W3GRF	43	77	94	76	W8VSK		97	101	75
W3GRS *		55	92		W8ZCQ			80	
W3IYE		89			W9ERU		55	82	
W3KFQ *	31	63	89		W9EWC	37	66	95	60
W3KT			92		W9GIL			85	
W3MVB		54			W9WFS			85	
W3MWC *			92	67	WØNFA *		63	105	61
W3OCU			81		VE2NV	30			

\* Multi-operator

For what transpired on 160 meters, please turn to Operating News, page 92 this issue.

## DX Multioperator Scores

Over 50-K

PJ5ME.....475K	UA9KFG.....101K
VP9L.....338K	11CWN*.....88K
ON4DY.....255K	OK3KAG.....73K
HA1KSA.....202K	UA6KOD.....73K
HA3KGC.....145K	G3KFX*.....58K

\* Phone

**4** K4LPW, the man in Tenn., in general found things tougher but maintains he's surprised at how well the h. f. c.w. bands held up. First-time contester and N. C. winner was K4WVP who feels this contest makes you a veteran in a hurry. An enjoyable highlight for 600-K single op. W4YHD was a QSY to 80 with VQ41V in broad daylight, 569 both ways on an otherwise empty band. Youthful WA4EDY (14) hopes he topped Ala., he did — Bert has since qualified for DXCC, congratulations! W4DQS was amazed at the excellent 21 Mc opening the northern gang got the first weekend while conditions were very poor down Florida way. W4WHK wants to know if you've ever set the receiver on one band and called on another. (*Ed.* — You mean there are some that haven't?). K4TKM worked VP8HD and ZL1ABZ in 5 minutes are waiting and chasing them for 2 months.

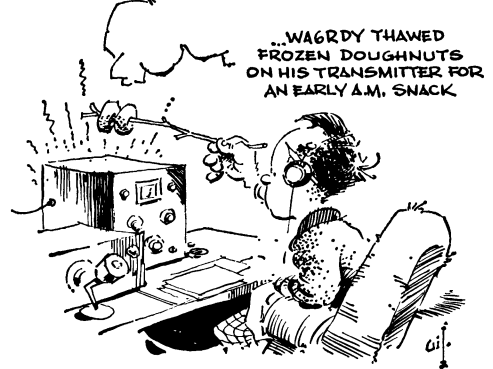
W0FPA/4 in N. C. enjoyed pulling out choice ones in KW alley on 20 phone with his peanut whistle and dipole. K4IIF's most interesting experience was working ZL2WS on 75, the first call through the pack with the dipole only 15' off the ground, pointed NE-SW. WA4LZM, ex-W5SAY, hadn't planned to enter but caught a 15-meter opening and couldn't resist working 'em, then couldn't stop.

**5** WA5CBL (W0KON) managed to snap up the Arkansas c.w. award with a limited operation while recovering from recent lung surgery. Down in Louisiana, old pro W5BUK finally got caught by Murphy. John says everything went wrong, from funerals to antennas. Hey, W5FJE has his own CRPL predictions! Cedric looks over old logs and turns his beam to probable openings and very often there they are. This system paid off with the New Mexico section award.

K5MDX has reason to be pleased with his A3 332-K. He says friend VK3BM summed up his 75/40 phone operation saying he didn't have the signal of the really big boys (Dave ran 200-500 watts, dipoles and a tri-bander) but seemed to be readable in a pile-up; the proof of the pudding. W5LEF found his Spanish, French and German helping out in those sideband pile-ups. W5AJY reports just 10 of his 165 phone two-ways were on a.m. Over in No. Tex. K5FKD found that his 150 watts s.s.b. really got out. Among the neater phone logs (appearance-wise) was the entry by K5JZY. *Gracias!*

**6** Up in the Santa Clara Valley the staunch supporters of the NCDXC really turn out. W6HOC found it a rough go but reports that the beam really paid off on 40. W6PHE elatedly reported working HZ1AB on 20 after an unsuccessful 4-year chase. You think you had troubles? On January 29 W6MSM lost his beam in a storm and later the same day was hit by a truck, nevertheless replacing that antenna in time. With just 75 watts, WA6SLU got 599 reports from VK VSI DU7 and even worked Europe on 7 Mc. WA6KNE found things confusing what with W6KNE participating on A1. K6TZX found 15 a surprier with considerable activity compared to non-contest times. In L. A. W6TZD found 10 good, with 14 different countries! Hey watch out for W6YY, just casual this year but wait till next! San Diego SCM nominates the following as the best DX c.w. oprs.: W9WNV/KG6 VK2EO VK2GW and W6ZDF/KM6.

A look at the countries/band phone chart will show what the boys at W6HJT accomplished, for a look-see at antennas note the July '63 QST cover. W6FYM found his interest perking up when 10 opened, 17 multipliers too! WA6NJV concludes sideband is inevitable.



**7** W7DIS from Ore. got 5 new ones on c.w. towards his DXCC finding it ever worthwhile to pitch into the ARRL DX Competition. W7s generally bemoaned the dearth of African activity. After 31 years of hamming, W7POU finally got countries 98 through 101. K7ADL reported that VS4RS said the water was so high it was beginning to come in on the floor of his shack. After a 27-year absence, W7MX returned finding things "slightly" more crowded than in the 20s!

Rare Idaho K7TMJ applauded XE1CV for a fine phone operating job. Over in Utah, W7UOM honestly found it no less than tough what with poor band conditions and a high local noise level. W7DIS finds the club competition a good shot in the arms for clubs and operators both, leading to a nice showing by the Willamette Valley DX Club boys.

Striking similar poses are, left to right VE4XO and VE2NV. Chas., VE4XO, led Manitoba on both phone and c.w. during the competition while Jack, VE2NV, using an Apache and SB10, topped all VEs on c.w. for a resounding 145-K.



**8** W8ZJM bettered 220-K but felt conditions were poor all around at his Centerville Ohio QTH. W8EGR says he didn't tailend even once and feels he should get an award for listening. W8VSK's log represents the culmination of an all-out effort after a year of planning with many thanks to Detroiters W8GB and W8NGO for pointers on working DX . . . his first real contest action since the '32-'39 era at W9KEH. W8SJU says he doesn't know why he keeps doing this at his age but adds, "When's the next one?" K8MTI will be working on education at Duke U. in '64 instead of DX.

After a one-year leave due to a change of QTH, Michigan phone winner W8WT noted more stations using higher power. W8NWO has comment enough in the following ". . . Lost 120' tower 2 days before the 2nd weekend." W8NGO reports he checked his contest logs back to '51 and found this year the only one when WWV transmitted W3. From his Michigan QTH he says that means "take up photography."

**9** In the windy city W9WFS found c.w. conditions fabulous for Europe on 20 during daylight hours. On the other hand W9JGV claims conditions were worst ever. In spite of weekend work, W9AZP found 26 good ones on 40. WA9AUM is disgusted with Ws calling CQ DX while WA9CVI poses the problem "where do all the DX stations go during the rest of the year?" W9SZR, manning W9EWC, reported Wisc. conditions better than expected with first weekend conditions superb on 80. W9KXX found 7 Mc. an interesting first-time contest experience. W9RH, holder of the same call for 40 years, met many old friends. W9AOW missed the 2nd c.w. go the hard way, by breaking a leg.

W9GAI sums things up neatly in this lucid quote, "The areas of the world heard on phone and worked during this so-called off-year proves to me that while the sunspots may effect circuit strength and reliability, the possibility of amateur communication is dependent on activity in the DX countries. Although weak they were, they were there and being worked." Congratulations to WA9ENF for one of the neatest voice log reports received this year.

**Ø** WØCQC found it great even with a peanut whistle but the best was when he beat a buddy and his k.w. three times in a row on 21-Mc. c.w. KØAYO suffered from a terrific line noise on 20 and 15 and wandered up and down alleys at 2200 looking for noisy poles, etc, with a transistor set but managed only to find numerous neighborhood dogs. The WØNFA group found the c.w. test a real shake-down for the equipment, wound up having a grand time and achieved 525-K. K6LSG at KØMIC, the U.S.A.F. Academy, worked 42 on 7 Mc., a real treat hearing Europeans on 40 for the first time. Antenna changing was a real chore for Kurt, requiring a climb to the top of the dorms to change fittings — best time was 25 minutes. That plus the losses involved in 700' of coax made it tough indeed to rack up that 178-K and the Colorado award. YL KØIKL of Minn., a star of the Twin City DX Club, found 20 a revelation the 2nd weekend, helping "up" her countries worked total to 216. Still problems at home with meals to fix and kid-style QRM to contend with.

WØUCK says it would sure be nice if the W/VE phone boys would listen to the DX and figure where he's listening. At KØAXU the boys found sideband fine but did discover that the a.m. rig helped out very well, especially on 40.

**VE** VE2NV's outstanding c.w. Canadian score comes by way of good multipliers on 80-40-20-15, a nice log too! Ontario activity was fine with VE3BOG finding it a good contest, ditto conditions, but a tough go the 2nd half thanks to Murphy and the flu. VE3ES found 20 good, 15 spotty, VE7BHN reported B. C. conditions on 20 while VE7AHG/7 was disappointed by not being able to break through to Europe on 80.

WA4EDY, top c.w. from Alabama, has held his General Class license for 14 months but acts like an old pro in chasing DX. Besides the section award, Bert holds DXCC.

## NUMBER OF COUNTRIES WORKED BY BANDS

LISTED ARE COUNTRY TOTALS  
MORE THAN

5 ON 3.8 Mc.  
20 ON 7.2 Mc.  
50 ON 14.2 Mc.  
50 ON 21.25 Mc.

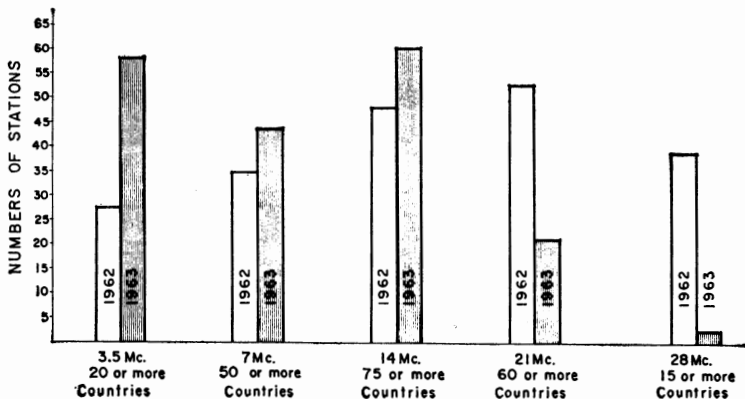
(Lower Totals Not Listed)

CALL	75	40	20	15	CALL	75	40	20	15
W1AW	7				K4IIF	6			
K1DIR	20				W4MCM			67	
K1RTB	8	58			W4OM			63	
W1FZ			50		W4OPM			57	
WINJL *	16				K4QBP			52	
W1ONK	18	70			K4SXT	8		58	
W1ZFB	20	59			K4TEA	12			
W2FXN	10	27	80		W5AJY	6			
K2GXI	17	40	61		K5JZY	8			
WA2HOK			57		W5KC	6			
K2IEG	21		101		K5MDX	18	49	81	
K2PZF			63		K6ERV	8			
W2QKJ	10				W6FYM	5			
W2SFE *	28	24	67		W6HJT *	11	30	79	53
W3ADO *	15		64		W6RCD	7			
W3ALB	15		69		W8NGO *	13		63	
W3EQA	5				W8NWO *	20	29	74	
W3HHK *			59		K9ECE			54	
W3IYE	12	50			WA9ENF	11			
W3JTC			76		W9GIL			55	
W3KFO *	11		73		K9VRU	10			
W3MCG			50		KØAXU *	5			
W3MSK *	24	36	87	67	KØIKL			52	
W3OCU			65		VE2WM	20			
W3TLN	8		68		VE3FLO	13			
W3WJD *	23		66		VE3PV	5			
W4BCV			57		VE4XO	7			
W4BVV	23	30	59		* Multi-operator				

On phone, VE2WM reported 75-meter conditions quite good the first weekend leading to pileups 6 deep at times. He reports appreciation for the excellent cooperation from the boys overseas. Although openings seemed shorter, VE3ES reported surprisingly good phone conditions on 20 during the February weekend. VE3PV after hunting VR30 for ages finally made, of all bands on 75.



## DX COMPETITION C.W.



This visual comparison of the past two c.w. competitions makes it pretty clear just what happened to the m. u. f.!

### AFRICA

Perennial EA9AP reported poor c.w. conditions in Sp. Morocco on 40-20-15. In a single hour-long appearance on Feb. 23, EL2PN caused a brief flurry by working 37 in 8 areas. FB8XX was a fine multiplier for some and an honest reporter to boot — only one 599 given and that to W7PHO. ST2AR, 2nd high code score on the continent, reported that 21 Mc. showed once again that band conditions are generally good, just a plain lack of activity outside of contest times. Multiopr. ZD6OL trekked to the summit of Zomla Mt., 8000' high, and found Murphy in the form of an invasion of African red ants, reducing 2nd weekend operating hours to 9 after exterminating was accomplished. 5N2RSB got a new state and found the c.w. portion a fine test for W/K but what happened to VE/VO? Continent code leader 5A1TW did best on 21 Mc. for 535 two-ways though best multiplier on 20. The ubiquitous Bob Roberts adds 5X5IU to the calls-I-have-held list, currently including VU2DB G2HIL D2CH DL2CH SUIREC ZC4CH VQ5IU.

Continental leader ET3USN spent 9.1 hours on 20 phone alone snagging 226. One of the higher-up QTHs in this competition found ET3USN (K4JRW) operating A3 from an altitude of 7000' in Asmara, Eritrea. An interesting note on FR7ZC/J's log, "I've won for Juan de Nova, please mail the phone award to my home address at W4BPD." (Ah, come on, Gus.) 6O1WF reported awesome pile-ups on 20 when the phone bands opened with just one chap losing his temper.

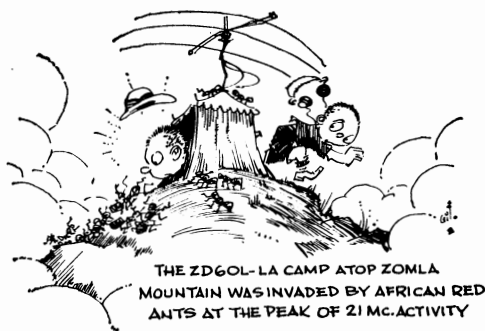


Top Asian phone was HL9KH with 80-K. During the c.w. portion Don led Korea at HL9KH with 195-K and lived things up considerably with a sojourn to Rota in the Marianas as W9WNV/KG6 to the tune of 193-K.

### ASIA

It's quite an event if 3 fellows show up from E. Pakistan! It was so in '63 when the Tiger ARC turned in c.w. reports from 3 members, AP5s CP AH JA. In a 32-hour sprint at HL9KH, the enthusiastic W9WNV totalled 1124 code exchanges. Another familiar stateside call, WITYQ, manned the works at HZ1AB. The big score in exotic Asia was from JA1VX, close to 226-K with a big showing on 20. KR6BQ (KØPIV, CN8IF) reported that c.w. conditions were considerably worse the 2nd weekend with 20 fading frequently. VS1LP reported having a great deal of fun in the test and an especial thrill working W4KFC and W3MSK on 40, for his very first two east-coast exchanges.

Vocal reports from Asia were dominated by the consistent reports from Japan. Big or small, scores were turned in to make this report as complete as possible. The Asian phone leader HL9KH put in 24 hours for 652 QSOs from Korea. JA1ANA led A3/JA entries averaging about 20 QSOs hour.



#### Single-Operator DX, over 200-K

HC1DC . . . . .	1,028,568	W6ZDF/KM6 . . . . .	277,068
YV5AGD . . . . .	652,092	G4CP . . . . .	266,580
XE1CCB* . . . . .	588,720	HK7ZT . . . . .	262,224
XE1CV* . . . . .	585,298	LU1DAB* . . . . .	259,302
HC1DC* . . . . .	487,272	GW3JI . . . . .	251,883
KV4CF . . . . .	461,196	ZP9AY . . . . .	249,015
HP1IE . . . . .	456,459	VP5BP* . . . . .	241,215
CE1AD . . . . .	370,992	CE3AG . . . . .	241,152
OX3DL . . . . .	360,900	KZ5AF* . . . . .	237,750
XE2OK . . . . .	329,706	JA1VX . . . . .	225,992
YV5AGD* . . . . .	318,087	HB9JG . . . . .	222,805
YV4AV . . . . .	303,844	OK1ZL . . . . .	215,028
KP4CC . . . . .	294,624	PAØLOU . . . . .	206,754
HK7BE . . . . .	284,580	YV1IK* . . . . .	204,724
		TGØSC* . . . . .	202,725

\* Phone

XEI CCB created quite a splash down Mexico way with the top single-operator phone DX score and third high score in both competitions. With few exceptions Earle feels that the W/VEs are top ops, patient and cooperative. Look for him from KP4BOQ in '64!

### EUROPE

DL7AA's log, an interesting report using different colored inks to differentiate band changes, summed up a fine A1 performance; 734 contacts on 20, 392 on 40. DJ2SR joined in the fracas for the first time and discovered how easy it was to work a relatively high number of stations. EI9J did a bang-up job for his country award and included a sojourn on 160 for 16 QSOs and 5 areas. F8IH led his country with 1151 exchanges, putting 6146s to the task on 80-40-20-15. F8VJ, League member since '35, also broke 1000 QSOs for 160-K. A rare and most welcome addition to our current competition was the brief appearance of F3AT. G4CP, continental champ with 267-K, bettered his sterling performance of '62 by about 2000 points. G6BQ put in a little over 4 hours in on the top-band, and came up with 15 contacts — mighty fine, Jack! G2RO was happy to report a higher standard of operating. In Northern Ireland, GI3OQR found 40 poor, but many fine signals coming through on 80. GI3OTV reported a dearth of VE/VO. GW3JI's big band was 20, 850 exchanges keyed thereon, an excellent reporting job and the Wales award. In a rare change of pace, HB9JG, Swiss leader, hopes for poorer conditions in '64 with possibly less QRM. I1GO found his first competition an exciting and interesting experience. Giuseppe plans more than 45 hours at the key next year. In Finland, 17-year young OH2BZ, certificate winner, hopes some of the Ws will please QSL. A tremendous turnout and subsequent reporting job by the OKs brought in scads of c.w. logs, topped by a grand performance from OK1ZL. PA8LOU reported in a most interesting fashion, preparing a table of call areas per band, QSOs and percentages thereon. Louis says it doesn't prove anything but it makes it clear that the eastern states are heavily populated with hams and conditions weren't too bad. However, the western states came through very well on 20, at times W6s and W2s pounding in at the same strength.

EL4AK, tops in phone for Europe, found propagation poor both Sundays but had thought he had broken 700 QSOs until he started scratching dupes. One of the interesting sidelights of this annual affair was the log presentation submitted by the boys at IICWN (IIs AUP CWN NU ZEN). The beautifully bound and embossed report illustrates the enthusiasm these "old-timers" brought to their first sideband endeavor. They all voice a "thank you" to the W/VEs and their ability to "get through." LA5HE reported that it was very nice to see so many sidebanders on 40 and that he would appreciate confirmations for all new contacts. Phone fanciers in G-land reported well while over



in Estonia OT UR2BU reported conditions poorer for phone than for the c.w. portion of the competition.

### NORTH AMERICA

Tops in N. A. for telegraphy for '63 with 461-K is KV4CF with a walloping 2238 QSOs and 69 multipliers from 80-10. OX3DL reported fair conditions while bemoaning difficulties with the mail situation. Ole plans to double his 36-K next year. Old reliable KP4CC, continent champ last year, hopes his health will permit a return in '64. So do we, Juan! In a one-weekend-only sojourn, two of the top N. E. oprs. W1s BIH and EOB, teamed up with W2ADE and W9GVZ to put on a dazzling display of c. w. know-how on an expedition sponsored by the Conn. Wireless Assn. The 42-hour score of 475-K demonstrated the effectiveness of top-notch oprs. albeit modest power (100 watts). Over in the Barbados, 3 of the oprs. at VP6LJ found forty so much fun that they were reluctant to venture into the realm of 14 Mc. Another big Caribbean performance was presented by WINBA and W2YTH joining Cy, VP9L, in a 2000-QSO endeavor, doing fantastically well on 80 and 40, let alone 20. HI1IE got the most multipliers when on 15 and we gratefully report did a fine reporting job, removing his own duplicates, etc. It looks as if some W/VEs have neglected using Operating Aid #61 South of the border down Mexico way, when the boys get on they really do it big . . . witness the c.w. performances of XE2OK at 330-K and XE1VT at 161-K.

### CLUB SCORES

	Score	Valid Entries	C. W. Winner	Phone Winner
Frankford Radio Club	8,323,294	68	W3ECR 1	W2FXN
Potomac Valley Radio Club	6,356,136	33	W3GRF	W4BVV
Northern California DX Club	3,194,765	45	W6KG	K6ERV
Southern California DX Club	2,126,418	15	W6TZD	W4OM
Virginia Century Club	1,693,262	13	K4RDE 2	W4MCM
Order of Boiled Owls of New York	1,449,969	11	W2AYJ	W4MCM
Southeastern DX Club (Ga.)	917,328	12	W4MCM	W8FGX
Ohio Valley Amateur Radio Assn.	859,299	3	W8IBX	W8FPZ
Order of Boiled Owls of Ohio	620,191	7	W1JYH	K1RTB
Connecticut Wireless Assn.	551,042	6	W6PW	W8MPW
San Diego DX Club	528,033	8	W9GIL	W5FJE
Nashua Mike and Key Club (N. H.)	492,377	4	W5FJE	W2PAJ
Twin City DX Club (Minn.)	474,792	5	W2PAJ	W2TJA
Milwaukee Radio Amateurs' Club	462,109	7	W7GBW	W2TUK
Germantown Radio Club (Pa.)	326,147	6	K8DEO	W7DIX
Order of Boiled Owls of New Mexico	324,857	8	K2TQC	W2GKZ
Waltham Amateur Radio Assn. (Mass.)	307,851	14	K8ZPK	W8IJZ
South Jersey Radio Assn.	295,018	18	W2RJJ	K3ZPK
Lake Success Radio Club (N. Y.)	188,602	8	W8CQN	W3LIV
Willamette Valley DX Club (Ore.)	173,139	12	W4DVT	W3LIV
Springfield Amateur Radio Club (Ohio)	149,802	3	W3LIV	W3LIV
Niagara Frontier DX Assn. (N. Y.)	146,166	6	W3LIV	W3LIV
Suffolk County Radio Club (N. Y.)	140,181	4	W3LIV	W3LIV
West Park Radiops (Ohio)	134,829	5	W3LIV	W3LIV
Rochester DX Assn. (N. Y.)	131,217	9	W3LIV	W3LIV
Central Michigan Amateur Radio Club	114,807	5	W3LIV	W3LIV
5 Towns Radio Club (N. Y.)	84,812	3	W3LIV	W3LIV
Lynchburg Amateur Radio Club (Va.)	71,013	7	W3LIV	W3LIV
Horseshoe Radio Club (Pa.)	70,476	3	W3LIV	W3LIV
Northwest St. Louis Amateur Radio Club	44,943	3	W3LIV	W3LIV
20/9 Amateur Radio Club (Ohio)	39,466	3	W3LIV	W3LIV
Chicago Suburban Radio Assn.	38,348	4	W3LIV	W3LIV
Motor City Radio Club (Mich.)	15,516	4	W3LIV	W3LIV

1 W3MFW, opr. 2 K4SXT, opr.

FY7						
G-0	2PL	2DC	6BQ	5CP	8FF	4DP
GC						
GD						
GI						
GM						
GW						
HA						

OT W3GRF, top W/VE c.w. single-op., utilizes sheets similar to this extract for each band. A glance at this check list avoids duplicate QSOs and over-quota calls. Additionally, the numeral following the country's prefix indicates to Len on what page of his ARRL logs he enters England contacts, for example.

### SOUTH AMERICA

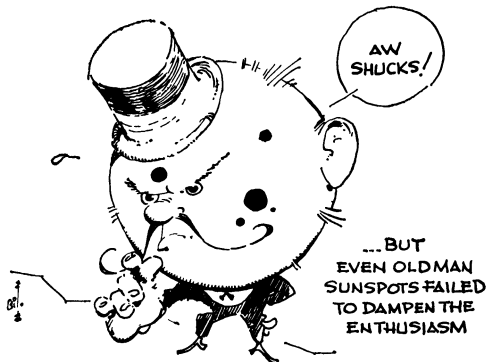
KZ5GRS at KZ5AF enjoyed his first phone contest from a DX location. KZ5LC reported an improved standard of operating in general, with tail-enders still remaining a big problem to DX stations. Canadian Director VE3CJ down at his Caymans location VP5BP commented on the outstanding performance of 15 and the excellent habits and manners of most operators. Noel managed 17 multipliers on 75. An interesting sidelight is the 6 meter venture by VP7CX. Hal found 51 contacts in 4 areas on 50 Mc.! No less than great was the phone competition south of the Rio Grande where final totals of less than 3 thousand points separated XE1CCB and XE1CV. XE1CCB, top phone single-op., with a sum of 2455 contacts after removing his own duplicates, found multipliers galore on 75-20, totalling 588,720. Earle's new QTH is c/o PRIMCO Box 595, Caguas, Puerto Rico. XE1CV with over 2000 QSOs and all areas on 15/20, 19 areas on 40 and 18 areas on 75 and 10 plans an even better than 585,296-pointer come '64. In general Carlos found lots of activity in spite of poorer band conditions.

Two walloping scores were submitted from Chile, CE1AD with 371-K and long-time contester CE3AG with 241-K. Along with CE2OF these chaps dispensed 3577 CE two-ways. A thrilling highlight of the 1963 ARRL DX Competition was the million-plus code compilation by HC1DC. This mathematically-minded maestro started out with the definite goal of breaking a million points and with conditions holding up well, Don hit the mark with an hour and 15 minutes to spare. Final code results for a 76¼ hour stint were 3609/95 for 1,028,565 — the fourth highest ever recorded single op. A truly amazing performance in a year of low sunspot activity. Over in Colombia, HK7BE found our affair well organized and gleefully reported he has finally cornered Utah and Idaho to complete his WAS. After a 30-hour stint, PJ2AE can only say "now I know I'm nuts." Down in Venezuela, YV5AGD operated 6 bands for an impressive 652-K, which included 36 QSOs with a multiplier of 12 on the "top band."

### OCEANIA

Continental high-scorer for Oceania was the Midway entry of W6ZDF/KM6, 277-K on a 5-band operation. With 160 watts input and a 270' longwire, Jack had a ball — but reports spending the first weekend just getting rid of the W6s! Many a W/VE bemoaned the dearth of VK signals, alleviated somewhat by VK5NO: Tubby did right well in his 50-hour "go," finishing up with 189-K. Making it easy to confirm Marianas contact was the W9WNV operation from Rota. Running a k.w. on 10-80, Don scored 193-K in just 26 hours. Murphy played a dirty trick on F08AA shutting off the a.c. from 0951 GMT March 24 through the end. Regardless, 1224 QSOs in 48¼ hours is fine indeed. ZK1AR was a welcome addition on 5 bands for 990 W/VEs. ZLIAMO upheld the honor of New Zealand reporting 701 with a 61 multiplier, about 128-K in 27 hours. More VK/ZL signals and reports in the '64 Competition, we trust.

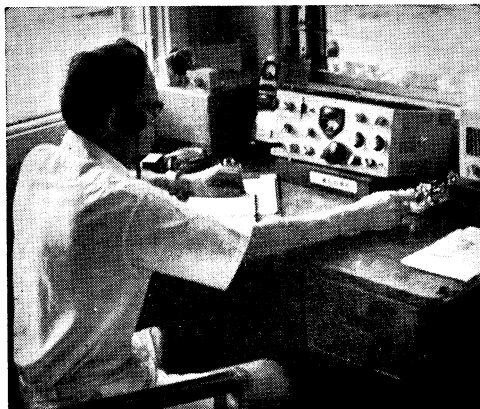
Where oh where were the phone logs from Oceania? Outstanding things did occur, witness the Oceania-topping score by VR30, with 174-K — on a one weekend stint! Martin noted that he worked more call areas on 75 than any other band. ZK1AR regretted equipment troubles during the February weekend (oh that Murphy!).



Phone-wise there was a fine degree of activity in S. A. highlighted by the 59-hour vocal stint by HC1DC. Don reports starting the event with one of the worst sore throats of his life, which improved as he talked! Most QSOs were on 20 (934). Interesting to note were 2 contacts on 160 (8th and 2nd call areas). Indignation was voiced by many DXers for the carelessness by W/VEs in repeat contacts, keeping the DX from working valid additional QSOs. LU1DAB affirms the situation. Hey, who said 10 was dead? LU1DAB made 552 exchanges thereon! PJ2AF tallied 181-K prior to returning to W4-land and retirement. Competition in YV-land was keen with YV5AGD leading the group with 318-K, a notable improvement over his last year's score. Eva, YV1IK with 205-K, afforded interesting competition and was said to report a miss again on Vermont. A beautifully typed log, dupes clearly marked, f.b.! YV5BPG reports being favorably impressed by the fine operational practices of the W/VE contingent.

### Disqualifications

The following are deemed ineligible for score listing or awards. In each case disqualification under contest rule 14 was in view of non-observance of FCC rules as reported by at least two accredited Official Observers, or by a single FCC citation. Such violations as out-of-band operation, phone splatter outside band edges, key clicks and spurious signals, etc. were the criteria for these disqualifications: C.w. — W1MX K3ELL W3MSK W3WPG WA4DCP W4KFC W4PTR W6PBI WA6YMX K7RQX W8CLD W9IRH K9WRX; Phone — W2WZ W3GHM WA4DCP K5SEK W6QNM W9NZM.



With a KWM-1 and a TA-33, KC6BK in the Eastern Carolines proved most popular to both phone and c.w. followers. Stan plans big things for '64.

## Twenty-Ninth ARRL International DX Competition

Operator of the station first listed in each section and country is winner for that area. . . . The multiplier used by each station in determining score is given with the score — in the case of U.S.-Canada this is the total of the countries worked on each frequency-band used; in the case of non-W/K/KHG/KL7/VE/VO entries it is the total of the U.S.-Canada districts worked on each band. . . . The total number of contacts is listed next. . . . The letters A, B, and C approximate the input to the final stage at each station; A indicates power up to and including 150 watts; B indicates over 150 watts up to and including 500 watts; C indicates over 500 watts. . . . The total operating time to the nearest hour is given for each station and is the last figure following the score. . . . Examples of listings; W3ECR 600,480-288-695-BC-80, or final score 600,480; multiplier 288; 695 contacts; power over 500 watts; total operating time 80 hours. . . . Stations manned by more than one operator are grouped in order of score following single-operator listings in each section or country tabulation; calls of participants at multi-operator stations are listed in parentheses. . . . In sections or countries where three or more multiple-operator entries appear, the top-scoring station is being awarded a certificate.

### C.W. SCORES

#### ATLANTIC DIVISION

*Eastern Pennsylvania*  
W3ECR 600,480-288-695-BC-80  
W3ALB 445,050-258-575-C-70  
W3BES 337,240-216-505-C-50  
W3OCU 309,258-207-502-C-  
W3DAO 235,152-184-226-C-80  
W3HHK 229,710-190-403-C-65  
W3GHS 219,096-179-408-B-42  
W3KFT 208,071-183-379-C-  
W3EQA 201,872-176-385-C-52  
W3CGS 173,250-165-350-C-55  
W3DEB 148,950-150-331-B-  
K3INP 98,685-129-255-A-50  
W3HNI 94,656-116-217-C-  
W3EUV 66,402-102-217-C-  
W3FDH 60,900-100-203-C-  
W3BIP 46,992-88-178-C-22  
W3MLW 43,296-82-177-C-62  
W3GHD 37,548-84-149-B-  
K3MNI 33,534-80-162-C-12  
K3HTZ 32,504-84-129-A-35  
W3CAA 31,464-80-152-A-35  
W3CTI 29,400-70-140-C-12  
W3QLV 29,388-62-158-B-39  
K3NBU 29,387-70-137-C-20  
W3IND 28,575-75-127-C-10  
W3KDF 28,127-57-127-C-10  
K3EUR 16,125-43-125-B-  
W3HHA 15,960-56-95-C-13  
W3AFM 8,775-45-65-C-13  
K3RFB 5,040-30-56-B-26  
K3MNT 3,948-28-47-A-15  
K3DYL 3,668-26-47-C-8  
K3DDG 3,591-21-57-A-15  
K3MBJ 2,917-29-34-B-10  
W3QIR 2,961-18-24-B-10  
K3JGJ 855-15-19-A-4  
K3OMP 741-13-19-A-4  
K3LJZ 624-13-16-A-2  
W3PN 294-9-11-B-6  
K3KLE 192-8-B-5  
W3URE 192-8-B-5  
K3TEM 147-7-7-A-  
W3LEZ 90-5-B-2  
K3LWY 12-2-A-3  
W3WJD (K3JJG, W3WJD)  
658,035-315-697-C-93  
W3KFQ (K3GJ, W3KFQ)  
417,972-244-571-C-85  
W3MWC (K3s JLI, LJZ,  
W3MWC)  
394,092-246-534-AC-96  
W3GRS (K3JT, W3GRS)  
380,457-231-549-C-94  
W3GHM (W3s GHM, KDF NOH)  
367,740-227-540-C-70  
K3NUM (K3s DPK KPV)  
177,840-156-380-C-75  
W3YUV (W3s BGN YUV)  
145,530-147-330-B-90  
W3QMZ (K3JXX, W3QMZ)  
112,068-132-283-C-92

*W3ETA (5 ops.)*  
97,398-126-259-C-40  
K3NTD (K3s NTD OMP)  
324-9-12-B-  
  
*Maryland-D.C.*  
W3GRF 678,930-305-742-BC-90  
W3EIV 330,750-225-490-BC-75  
W3MVB 241,878-162-443-A-55  
W3MFJ 162,162-154-351-C-60  
W3KA 140,346-138-339-B-38  
W3MCG 119,136-136-292-BC-30  
W3FRZ 117,180-126-310-C-46  
W3MSR 111,375-135-275-C-38  
W3QQL 109,242-126-289-B-43  
W3RNY 98,040-129-254-C-52  
W3AFM 84,600-100-282-C-46  
W3ZQ 80,712-114-236-C-41  
W3AEL 42,501-93-153-C-20  
W3IWS 33,152-74-150-B-31  
W3BKE 14,040-45-104-B-20  
K3QXP 10,062-39-86-A-33  
W3EPR 8,316-44-63-C-20  
W3WU 7,752-34-76-C-  
K3KMA 2,139-23-31-A-18  
W3YKQ 462-11-14-B-4  
W3BVO 300-10-10-B-5  
W3TMZ (5 ops.)  
657,972-294-746-C-93

*W3ADO (6 ops.)*  
386,552-229-564-C-96  
  
*Delaware*  
W3IYE 268,983-209-429-AC-50  
W3DRD 95,976-129-248-C-41  
K3SMN 48,060-90-178-C-40

*Southern New Jersey*  
W2FXN 412,425-235-585-C-  
W2DAJ 417,408-148-332-C-48  
W2GGL 124,845-145-287-BC-61  
W2HDW 115,062-127-302-A-30  
W2SDB 74,229-109-227-C-36  
W2QDY 67,266-111-202-A-60  
K2OEA 35,757-87-137-A-25  
W2AIEK 27,306-74-123-C-41  
K2CPR 25,842-73-118-B-  
W2AIZS 20,703-67-103-B-  
W2NSJ 13,515-53-85-B-20  
W2FYS 9,462-38-83-AB-18  
K2SQM 6,208-32-66-A-  
W2ZVW 4,032-32-42-A-10  
W2QKJ 3,450-25-46-B-20  
W2REB 3,078-27-38-B-10  
K2BG 2,622-23-38-B-6  
W2BFJF 1,311-19-23-B-21  
W2BEI 648-12-18-  
W2EBW 561-11-17-A-6  
K2HB 378-9-14-A-5  
W2BKWS 162-6-9-B-6  
W2AUOF 21-3-A-2  
W2BAPG (WA2BLV, W2BAPC)  
230,400-192-400-AC-96



"Roger DL3L, K5MDX 59 Mississippi-over." As usual, K5MDX is in there with a big score on phone, leading all the W/VE single ops in '63 with 332-K. Dave runs under 500 watts a. m. or sideband, but manages to get through consistently. A 50' high tri-bander and dipoles for the lower band takes care of the radiating end from a location Dave claims is just not suitable for DXing.

#### Western New York

K2TQC 139,104-144-322-B-50  
W2BJH 101,760-128-265-C-55  
K2INP 77,550-110-235-C-35  
W2LJX 57,600-100-192-C-55  
W2QQ 18,585-59-105-B-20  
WA2WGI 16,068-52-103-B-26  
W2TVT 12,420-46-90-B-40  
WA2HUV 5,508-34-54-A-7  
WA2NFY 3,537-27-45-A-15  
W2SSC 2,652-26-34-B-  
WA2UKA 495-11-15-A-11

#### Western Pennsylvania

W3LIV 37,584-72-174-C-52  
W3BVP 29,547-67-147-A-31  
W3KQD 7,560-36-70-B-21  
W3QPF 2,376-24-33-A-18  
K3OLG 565-11-17-A-  
  
**CENTRAL DIVISION**

#### Illinois

W9ERU 294,168-206-479-C-66  
W9WFS 128,904-164-262-C-45  
W9JGV 59,700-100-199-C-52  
W9BUD 41,085-83-165-C-27  
W9WYB 35,280-84-140-C-16  
K9YOE 27,477-71-129-AB-30  
W9GMS 25,179-77-109-B-40  
W9WIO 24,495-71-115-B-16  
W9FID 24,453-57-143-C-30  
W9IVG 19,110-65-99-C-27  
W9DVK 14,681-53-93-A-45  
W9WHY 11,352-43-88-C-21  
W9AZP 10,128-48-71-C-20  
K9DWG 8,532-36-79-B-16  
W9QQG 4,416-32-46-B-6  
K9GSD 4,278-31-46-A-  
W9QM 4,116-28-49-C-21  
W9YDQ 3,388-28-41-B-  
W9ZYD 2,652-26-34-  
W9TCU 855-15-19-A-19  
WA9AQN 714-14-17-A-  
W9EVX 396-11-12-A-5  
W9GML 297-9-11-B-7

#### K9YRA

231-7-11-A-2  
W9ACS 48-4-A-2  
K9KLL 12-2-2-A-2  
  
*Indiana*  
K9VRU 22,563-69-109-C-50  
K9LVK 10,512-48-73-A-45  
W9MUR 9,786-42-79-B-30  
W9EGQ 6,912-36-65-C-9  
W9LKI 3,528-28-42-B-21  
WA9AUM 2,808-26-36-A-9  
K9IOO 2,700-25-36-A-24  
W9KPN 2,075-25-29-B-  
WA9CVL 714-14-17-A-9  
  
*Wisconsin*  
W9EWC 496,472-271-612-BC-80  
W9RQM 209,208-184-379-C-55  
W9GIL 195,663-173-377-C-8  
W9VZP 145,440-160-303-C-58  
W9KXK 126,072-136-309-C-58  
W9QYW 108,936-136-267-B-43  
W9IHN 64,155-91-235-B-30  
W9RKP 39,444-76-173-C-24  
W9VSO 28,480-55-112-  
W9RH 24,480-60-136-C-28  
K9OPF 10,320-43-80-A-18  
W9DTE 6,912-36-64-B-23  
W9AOW 126-6-7-B-10

#### DAKOTA DIVISION

##### North Dakota

K9QWY 918-17-18-A-3

##### South Dakota

W9BLZ 62,073-99-209-C-35  
W9WUU 5,184-36-48-B-13  
WA9BMW 4,455-33-45-A-20  
W9CUC 1,620-20-27-B-15

##### Minnesota

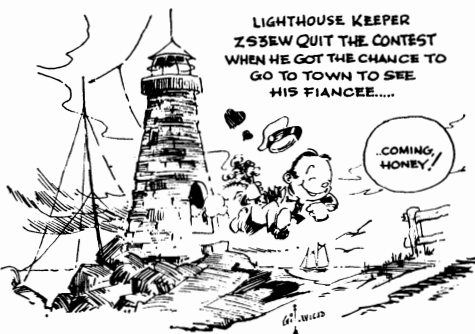
W9MPW 172,890-170-339-C-  
K9IKL 118,428-139-284-C-67  
W9YCR 107,442-127-282-BC-65  
W9PNQ 33,228-78-142-B-12

### W/VE High Scorers — Under 150 Watts Only

C.W. — Over 60-K	Phone — Over 10-K
K4TEA 172,935	K9ECE 59,691
W0BTD 161,564	K5FKD 41,580
WA2RUB 76,010	W0BTD 32,760
W4FZW 69,042	K4TEA 18,156
K1LPL 69,015	VE3PV 16,836
W2QDY 67,266	K5YUV 14,784
VE7EH 61,812	VE2AMW 12,474
W2MUM 61,760	W6FPA/4 12,054
W2HUG 55,872	VE7EH 11,550
W8CQN 52,398	WA4ARV 10,011







**PACIFIC DIVISION**

- Hawaii*  
 KH6IJ...40,824- 84-162- C-10  
 KH6EYP...24,192- 63-128- A-75  
 KH6EJM...17,472- 56-104- A-34
- Nevada*  
 W7TVF...1767- 19- 31- C-11

*Santa Clara Valley*

- W6HOC...216,948-202-358- C-61  
 W6FYM...166,080-173-320- C-65  
 W6WX...134,991-159-283- C-60  
 W6HVN...118,368-144-274- C-42  
 K6OHJ...117,306-147-266- C-60  
 W6ATO...113,847-137-277- C-80  
 W6KEV...100,380-140-239-A-46  
 W6CBE...91,059-127-339- C-53  
 W6JZW...84,240-120-234- C-54  
 W6ISQ...71,508-118-202- C-27  
 K6BWX...70,725-115-205- C-65  
 W6QAU...62,034- 98-211- C-64  
 K6HOR...58,425- 95-205-A-42  
 W6PHE...52,530-103-170- C-62  
 W6JWD...43,824- 88-166- C-43  
 W6JKJ...43,524- 93-156- C-33  
 W6LIZ...40,449- 97-139- C-44  
 K6IEC...35,040- 80-146- C-34  
 K6JIC...29,565- 73-135- B-24  
 W6GTGY...19,206- 66- 97-A-13  
 K6TZX...16,390- 55-100- B-47  
 W6AGNYK...14,151- 53- 89- B-32  
 W6AQQGW...6840- 40- 57- A-25  
 W6KHS...3915- 29- 45- A-11  
 W6CLZ...3589- 26- 46- B- 7  
 W6AGNYJ...1638- 21- 26- B-13  
 W6AJSA...168- 7- 8- A- 5  
 W6CTO...3- 1- 1- C- -  
 W6AHR8 (W6AHR8, W7WJB)  
 132,399-141-313-BC-70

*East Bay*

- W6KG...254,412-191-444- C-84  
 W6LDD...225,895-185-389- C-88  
 W6PQW...84,336-112-251- C- -  
 K6AHT...62,916-107-196- C-34  
 W6PLT...18,480- 56-110- C-26  
 W6ABBJ...15,680- 58- 90- A-17  
 W6AVAT...5394- 31- 58- A-15  
 W6ARGD...1326- 17- 26- B- 8  
 W6IFZ...630- 14- 15- A- 5  
 K7QKB/6...90- 5- 6- A- 9  
 W6APYS...45- 3- 5- A- 2

*San Francisco*

- W6WB...151,800-150-338- C-70  
 W6BYB...133,152-152-292- C-79  
 W6MSM...91,113-121-251- C-70  
 W6ERS...76,228-118-216-BC-75  
 K6IXS...22,491- 63-119- C-27  
 K6ANP...22,230- 65-114- C-58  
 W6ZZM...8487- 41- 69- A-24  
 W6PZX...3276- 28- 39- A-32  
 W6WLW...2691- 23- 39- A-17

*Sacramento Valley*

- W6GRX...216,876-186-389- C-72  
 W6ONZ...165,584-158-350- C-64  
 W6BIL...32,472- 82-132- C-46  
 W6EOU...27,081- 59-153- - -  
 W6ASLU...14,742- 54- 91- A-38  
 W6AF...4860- 30- 54- C-36

*San Joaquin Valley*

- K6RTRK...85,008-112-253- C-48  
 W6BVM...66,096-108-204- C-43

- W6KTW...59,994-101-198- C-53  
 W6KJS...58,782-101-194- C- -  
 K6AYA...31,995- 79-135- C- -  
 W6UDR...19,293- 59-109- C-22  
 W6AVCQ...1674- 18- 31- A-48  
 W6AIKA...1292- 17- 28- A-15  
 W6ARDY (W6As IRJ RDY)  
 5100- 34- 50- B-67

**ROANOKE DIVISION**

*North Carolina*

- K4WVP...48,576- 92-176- B-90  
 K4ADT...3813- 31- 41- B- 9  
 W4OMW...1725- 23- 25- B- 8  
 W4ACXW...1224- 18- 24- A- 5

*South Carolina*

- W4AIKU...49,599- 99-167- B-62  
 K4WJT...11,205- 45- 83- B-21

*Virginia*

- W4YHD...604,920-284-710-BC-85  
 K4RDE\*...507,486-281-604-BC-83  
 W4DHZ...488,391-263-619- C-80  
 W4RQR...396,988-244-543- C-65  
 W4ACKD...204,660-180-379-AC-46  
 W4OPM...157,248-156-336- C-30  
 W4AJAT...153,768-149-344- C-41  
 K4LIQ...148,584-151-328-BC-47  
 K4ORQ...124,581-131-317- C-60  
 W4WBC...77,280-115-224- C-32  
 W4RVV...67,512- 97-232- C-46  
 W4GFE...64,419-109-197- C- -  
 W4DVT...60,717-111-183- C-25  
 W4AMP...44,928- 96-150- A-48  
 W4ZM...41,082- 82-167- C-16  
 W4LRN...38,367- 87-147- C-18  
 W4OM...30,336- 64-158- C- -  
 K4VWH...28,272- 76-124- C-59  
 K4WUY...24,282- 71-114- B-20  
 K4GWO...10,560- 44- 80- A-36  
 W4SHJ...7884- 36- 73- B-24  
 K4QKY...5220- 29- 60- C- -  
 W4DLA...5076- 36- 47- B-18  
 W4KMS...2886- 26- 37- B-19  
 W4KXV (7 oprs.)  
 618,520-280-736-BC-96  
 W4BVV (W4BVV, W4AIVL)  
 318,304-224-474- C-96

*West Virginia*

- W8UMR...8643- 43- 67- A- 9  
 W8BKK...144- 6- 8- A- 2

**ROCKY MOUNTAIN DIVISION**

*Colorado*

- K6MIC<sup>10</sup>...178,002-174-341- C-70  
 W6EXS...2277- 23- 33- A-30  
 K6SLD...798- 14- 19- C- 5  
 K6GVA...351- 9- 13- B- 4  
 W6DZH (4 oprs.)  
 131,823-151-291-AC-85

*Utah*

- W7POU...9585- 45- 71- A-37  
 W7BAJ...3360- 28- 40- C-10  
 K7RAJ...1122- 17- 22- A- 5

*New Mexico*

- W5FJE...118,863-141-281- C-67  
 W5CK...100,203-127-263- C-51  
 K5UYF...33,462- 78-143- B-20  
 K5STL...14,355- 55- 87-AB-19  
 K5WME...4830- 35- 46- A-15

- Wyoming*  
 W7PGS...184,788-174-354- C-47  
 W7GGE...14- 2- 3- - -

**SOUTHEASTERN DIVISION**

*Alabama*

- W4AEDY...21,168- 63-112- A-30  
 W4PRP...5994- 37- 54- C-24  
 K4HPR...702- 13- 18- - -

*Eastern Florida*

- W4DQS...465,870-265-586-AC-75  
 W4LTV...178,524-171-357-AC-70  
 W4QVJ...137,700-153-300- C-42  
 W4CHA...101,772-132-257- C-53  
 W4WHK...86,562-126-229- B- -  
 W4FZW...69,042-111-208- A-41  
 K4YFQ...25,488- 72-118- A-43  
 W4ZQK...22,916- 68-113- B-50  
 K4LDR...19,998- 66-101- A-30  
 C- W4WYJ...12,614- 53- 80- B-18  
 W4EEO...7500- 50- 50- C-15  
 K6SXX/4...5376- 32- 56- B- 8  
 W4DXL...3936- 32- 41- A-24  
 K4EJ...2592- 27- 32- A-20  
 W4NTE...1224- 17- 24- A-11  
 K4RQE (K4RQE, W4ZWV)  
 46,851- 97-165-BC-38

*Western Florida*

- W4NIX...10,750- 50- 73- B-20  
 K4VFX...5217- 37- 47- A-21

*Georgia*

- W4MCM...284,745-205-463- C-68  
 W4DXI...234,585-195-401-BC-80  
 K4TEA...172,935-183-315- A- -  
 W4BFR...65,934-111-198- C-35  
 W4HOS...30,954- 77-134- B-28  
 K4TKM...14,742- 63- 78- A-15  
 W4BHG...2508- 22- 38- B- 6  
 W4IYJ (K4TBN, W4LQU)  
 9504- 44- 73- B- -

**SOUTHWESTERN DIVISION**

*Los Angeles*

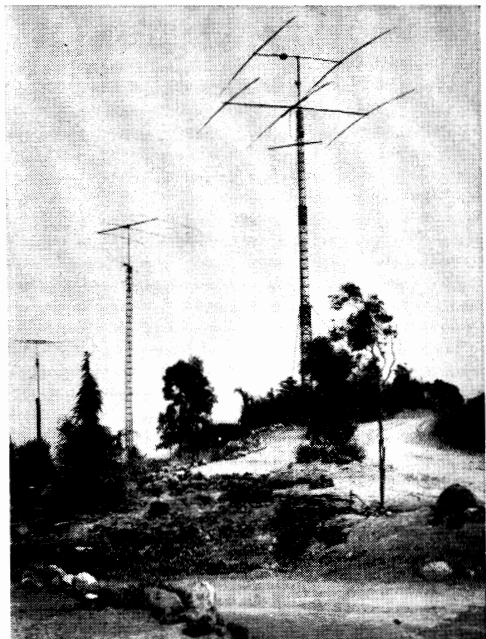
- W6TZD...180,393-157-383- C-64  
 W6EPQ...153,036-156-327- C-80  
 W6AJJ...139,445-163-305- C-84  
 W6NKR...135,366-154-293- C-70  
 W6JFJ...72,594-111-218- C- -  
 W6AUMH...68,848-104-223-BC-46  
 W6NEX...52,896- 96-185-BC-45  
 W6YV...44,631- 87-171- C- -  
 W6AKNE...31,824- 78-136- C-36  
 W6AKMF...25,500- 68-125- A-50  
 W6AAY...21,546- 63-114- B-40  
 K6YVQ...20,832- 62-112-AB-76  
 W6TLL...17,748- 58-102- A-50  
 W6VNI...17,442- 51-114- C-19  
 W6QHQ...13,377- 49- 91- C-14  
 W6CYV...6018- 34- 59- C- 8  
 W6FET...2040- 20- 34- C-21  
 W6AWV...1530- 17- 30- B-18  
 W6WNE...1512- 18- 28- C- 8  
 W6AYAT...231- 7- 11- A- 3  
 W6ATMY...184- 8- 9- A- 3  
 W6RW (5 oprs.)  
 682,872-296-769- C-94  
 K6EVR (6 oprs.)  
 608,760-285-712- C-96  
 K6EGF (K6EGF, W6AWGO)  
 38,880- 81-160- B-90

*Arizona*

- W7ENA...20,979- 63-111- A-34

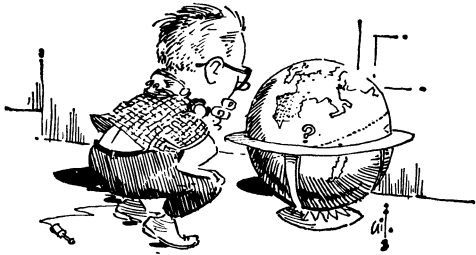
*San Diego*

- W6EPZ...279,642-209-446- C-60  
 W6SBO...78,492-124-211-AC-39  
 K6EC...48,222- 94-171- B-20  
 W6QNM...66,724- 68-131- C-25  
 W6LRU...17,472- 56-104- A-16  
 W6HJT...14,787- 53- 93- -11  
 W6PLK...5742- 33- 58- C-30  
 W6AOZL...5643- 33- 57-AB-23  
 W6AERUS...2772- 21- 44- A-15  
 W6UUS (multiopr.)  
 4680- 30- 52- C-17



W6EPZ, top single-op c.w. score in California at 280-K, creates a stir locally with his fabulous QTH. "Epsie" is situated just outside of San Diego on a mountain in the middle of El Cajon, a clear shot with those 3-L rotaries on 15 and 20, 2-L on 40, dipole for ten and a long wire on 80.

**WPEPZ AND SOME OTHERS  
ASK...WHERE WAS AFRICA?**



*Santa Barbara*  
**WA6QJM** .23,364-66-118- A-60  
**WA6OJL** .2622-23-38- A-7

**WEST GULF  
DIVISION**

*Northern Texas*  
**K5IFL** .37,433-83-151- C-45  
**W5QF** .7749-41-63- A-6  
**W5MBO** .360-10-12- C-4  
**K5UKQ** (K5s SEK UKQ UKR)  
 9870-47-70- C-48

*Oklahoma*  
**W5KIY** .25,661-67-128- C-30  
**K5USA** .14,193-57-83- C-22  
**W5EHY** .3645-27-45- B-10

*Southern Texas*  
**W5BRR** .228,288-192-397- C-55  
**W5MCO** .45,123-89-169- C-46  
**K5JZY** .22,680-72-105-BC-25  
**K5BDS** .16,992-59-96- A-40  
**W5LJT** .9936-48-69- A-11  
**W5KTW** .9828-52-63- C-4  
**W5VA** .5724-36-53- C-21  
**W5KPI** .1638-21-26-AC-5

**CANADIAN DIVISION**

*Maritime*  
**VE1EK** .24,759-63-131- A-28  
**K7GVM/VO1**  
 18,113-59-107- A-45  
**VO1AW** .6630-26-85- A-15  
**VE1DB** .4368-28-52- B-10  
**VE1YB** .1944-24-27- B-30  
**VO2NA** .864-12-24- A-8

*Quebec*  
**VE2NV** .144,615-155-311-AB-65  
**VE2BV** .99,408-109-304- B-35  
**VE2AYU** .14,406-49-98- B-61

*Ontario*  
**VE3AU** .78,255-111-235-AB-46  
**VE3BOG** .74,568-104-238- C-50  
**VE3ES** .61,944-89-232-AB-36  
**VE3FLO** .59,486-98-203- B-38  
**VE3DBB** .25,110-62-135- C-45  
**VE3AWE** .10,428-44-79- B-9  
**VE3BTQ** .696-12-20- A-20

*Manitoba*  
**VE4XO** .70,992-102-232- C-  
**VE4ZX** .3510-26-45- A-26

*Saskatchewan*  
**VE5PM** .10,998-39-94- B-25

*British Columbia*  
**VE7EH** .61,812-101-204- A-46  
**VE7BHN** .270-6-15- A-8  
**VE7AHG/7** (VE7s AHG VC)  
 95,377-127-251- C-70

*Yukon-N. W. T.*  
**VE8RH** .8602-34-85- C-20  
**VE8DX** .2640-20-44- B-  
 -

**AFRICA**

*Mozambique*  
**CR7LZ** .25,950-25-346- A-20  
**CR7LU** .2088-12-58- A-  
 -

*Spanish Morocco*  
**EA9AP** .5436-18-101- A-8

*Liberia*  
**EL2PN** .872-8-37- C-1

*Kerguelen Is.*  
**FB8XX** .2601-17-51- B-16

*Juan de Nova*  
**FR7ZC/J** .35,360-32-369- A-  
 -

*Sudan*  
**ST2AR** .139,284-53-876- A-50

*Nyasaland*  
**ZD6OL** (ZD6s LA OL)  
 12,159-21-193- A-10

*South Africa*  
**ZS6FN** .33,894-42-269- A-12  
**ZS10** .6180-20-103- A-30

*Southwest Africa*  
**ZS3EW** .11,660-20-197- A-10

*Swaziland*  
**ZS7R** .7200-20-120- A-7

*Libya*  
**5A1TW** .154,224-48-1071- A-  
 -

*Nigeria*  
**5N2RSB** .47,421-33-479- A-22

*Malagasy Rep.*  
**5R8AL** .2046-11-62- A-  
 -

*Uganda*  
**5X5IU** .20,769-23-301- A-  
 -

*Republic of the Congo*  
**9Q5AB** .59,706-31-642- A-  
 -

**ASIA**

*East Pakistan*  
**AP5CP** .525-7-25- A-41  
**AP5AH** .204-4-17- A-35  
**AP5JA** .180-6-10- A-17

*Iran*  
**EP2AM** .1107-9-41- B-16

*Korea*  
**HL0KH** .194,616-53-1224- A-32  
**HL0TF** .15,884-19-269- A-10  
**HL0TG** .3395-7-163- A-32

*Saudi Arabia*  
**HZ1AB** .31,725-25-423- C-15

*Japan*  
**JA1VX** .225,992-52-1454- C-60  
**JA1CO** .94,940-47-675- B-  
 -  
**JA1BW** .23,790-26-305- A-12  
**JA2DN** .17,028-33-172- B-33  
**JA2HO** .13,932-18-260- A-31  
**JA1LZ** .13,185-15-293- B-  
 -  
**JA6AKW** .11,084-17-218- A-  
 -  
**JA1SIB** .11,004-14-262- A-  
 -  
**JA1BN** .9616-16-202- A-10  
**JA2AIR** .7633-17-151-AB-30  
**JA2WB** .6912-16-144- A-  
 -  
**JA8GR** .5994-18-112- A-30  
**JA1BDI** .3720-12-104- A-23  
**JA3ART** .3648-12-103- A-  
 -  
**JA1DFQ** .3610-10-124- A-  
 -

**JA1IBX** .2184-7-104- A-  
**JA6BCV** .891-9-33- A-  
**JA1YL** .745-5-50- B-  
**JA0OP** .728-7-35- A-1  
**JA7ADV** .378-6-21- A-8  
**JA1CUM** .156-4-13- A-15  
**JA4DZ** .150-5-10- A-  
**JA1BUI** .45-3-5- A-  
**JA1CJU** .30-2-5- A-5  
**JA6PL** .18-1-6- A-  
**JA3CED** .18-2-3- A-  
**KA2KS** (7 oprs.)  
 45,900-25-612- C-  
**JA1YDU** (5 oprs.)  
 5423-17-108- A-  
 -

*Ryukyu*  
**KR6ED** .76,428-36-708- C-41  
**KR6BQ** .56,770-35-544-AC-28

*Asiatic Russian S. F. S. R.*  
**UA9DA** .23,766-34-233- B-  
**UA0GF** .6324-17-124- B-  
**UA9XG** .4437-17-87- B-  
**UA0SH** .4185-15-93- A-  
**UA0KQB** .2016-14-48- B-  
**UA0BP** .744-8-31- B-  
**UA9WS** .540-10-18- A-  
**UA0LH** .410-4-40- A-  
**UA9FV** .315-7-15- A-  
**UA9FO** .120-5-8- A-  
**UA0KPF** (3 oprs.)  
 100,716-33-1017- B-96  
**UA0KDA** (3 oprs.)  
 46,284-28-551- B-  
**UA0KCO** (3 oprs.)  
 34,542-19-608- B-  
**UA0KZB** (2 oprs.)  
 16,200-18-300- B-  
**UA0KCA** (3 oprs.)  
 6840-15-152- B-56  
**UA9KTF** (UA9s TE TN TS)  
 5871-19-103- B-  
**UW9CD** (3 oprs.)  
 963-9-37- A-  
**U18LB** .1650-10-55- A-  
 -

*Kazakh*  
**UL7KKB** (4 oprs.)  
 1410-10-48- A-  
 -

*Kirghiz*  
**UM8KAA** .1656-12-46- B-  
 -

*Singapore*  
**V81LP** .66,742-34-662- A-36

*India*  
**VU2AJ** .4368-14-104- A-  
 -

*Israel*  
**4X4OZ** .25,810-29-301-AB-30

*Uzbek*  
**U18LB** .1650-10-55- A-  
 -

*Italy*  
**I1GO** .82,917-37-762- A-45  
**I1ER** .10,800-25-144- A-  
 -

*Norway*  
**LA6U** .33,480-31-360- A-20  
**LA5HE** .8959-17-176- A-  
**LA4LG** .4848-16-101- A-9  
**LA6LH** .4716-12-131- A-20  
**LA9AF** .2250-15-50- A-23  
**LA2Q** .2266-11-69- A-  
**LA7H** .609-7-29- A-  
**LA4K** .45-3-5- A-  
**LA1H** (5 oprs.)  
 14,743-23-217- A-48

*Bulgaria*  
**LZ1KSA** .4743-17-94- A-  
**LZ1KRF** (3 oprs.)  
 30,080-32-323- A-  
 -

*Austria*  
**OE1RZ** .96,094-46-700- B-42

*Finland*  
**OH2BZ** .77,328-36-716- B-  
**OH2FS** .37,800-20-630- B-47  
**OH1SH** .26,390-26-339- B-  
**OH1TN** .14,472-24-201- A-  
**OH5PT** .12,882-19-226- A-  
**OH2BR** .9828-26-126- A-16  
**OH2PM/1** .8823-17-173- B-  
**OH5TM** .1008-12-28- A-  
**OH1VR** .288-6-16- A-  
**OH2BAC** .273-7-13- A-  
**OH5UQ** .168-7-8- A-  
**OH1QT** .150-5-10- A-  
**OH5OL** .54-3-6- A-  
**OH5UX** .9-3-1- A-  
 -

*Czechoslovakia*  
**OK1LZ** .215,028-54-1334- B-96  
**OK2KOJ** .157,456-52-1014- A-  
**OK1PG** .131,820-52-845- A-  
**OK1GT** .107,505-45-808- B-  
**OK1BY** .82,755-43-624- A-  
**OK1KTI** .43,928-38-387- A-  
**OK1KRF** .19,920-16-415- A-  
**OK3AG** .19,348-28-235- A-  
**OK1JX** .18,144-32-191- B-40

*Switzerland*  
**HB9JG** .222,805-55-1352- B-  
**HB9KC** .26,400-22-408-AB-18  
**HB9AAG** .12,974-26-168- A-  
**HB9DX** .11,361-21-81- A-  
**HB9ZY** .7050-15-159- B-  
**HB9NL** .5117-17-101- B-  
**HB9UD** .1215-15-27- B-3  
**4U1ITU** (DL1YJ, HB9UD,  
 HS1UN) 39,292-19-696-AC-27

*Germany*  
**DL7AA** .199,492-53-1262-AB-80  
**DL4SD** .123,840-48-860- B-33  
**DJ2SR** .49,062-37-442- A-  
**DL1JW** .47,115-45-353- B-23  
**DL4NV** .40,820-26-529- B-30  
**DLAFT** .40,622-38-359- A-40  
**DJ5GG** .14,640-20-244- B-  
**DM2ATL** .12,960-20-214- A-23  
**DL7CW** .4980-15-111- B-  
**DJ3WU** .4624-17-91- A-28  
**DM3YED** .4200-20-75- A-  
**DL6VP** .1872-16-56- A-20  
**DL4UP** .1125-9-43- A-7  
**DJ0HZ** .96-4-8- A-  
**EA3NA** .5328-18-101- A-22

*Ireland*  
**EI9J** .107,848-52-693- A-28  
**EI9F** .7880-20-132- A-30  
**EI6D** .1512-12-44- A-4

*France*  
**F8IH** .183,062-53-1151- A-  
**F8VJ** .159,838-49-1089- A-41  
**F9MS** .84,344-44-638- A-  
**F2PO** .59,014-38-523- A-40

OK2PO... 14,480- 16-305- A-  
OK2KJU<sup>16</sup>... 13,824- 32-134- A-  
OK3KGI... 13,041- 23-189- A-  
OK1ADM... 7279- 29-145- A-  
OK2KMB... 6318- 13-162- A-  
OK2SN/1... 5904- 16-123- A-  
OK1DK... 3948- 14- 94- A-  
OK100... 3381- 23- 49- A-19  
OK3QQ... 990- 11- 31- A-  
OK2QQ... 819- 13- 21- A-  
OK3WV... 581- 7- 28- A-  
OK2KFK... 288- 6- 16- A-  
OK2BCI... 217- 7- 11- A-  
OK1NK... 96- 4- 8- A-  
OK2BCN... 3- 1- 1- A-  
OK3KAG (2 oprs.)  
72,680- 40-610- A-  
Belgium  
ON4XG... 32,832- 32-342- A-34  
ON4GU... 16,335- 15-363- A-37  
ON4CF... 6394- 14-157- A-19  
ON4DY (ON4s DY UN)  
254,676-57-1501- A-59  
ON4GL (ON4s GL NU)  
6729- 17-113- A- 4  
ON4HX (ON4HX, ON5BQ)  
1110- 10- 37- A- 3  
Denmark  
OZ1W... 102,672- 48-725- A-60  
OZ2LX... 44,310- 35-422- B-  
OZ7G... 35,397- 27-437- A-45  
OZ4RT... 33,300- 25-444- A-  
OZ3FL... 33,150- 25-442- A-  
OZ4H... 10,269- 21-163- A-  
OZ2NU... 1806- 14- 43- A-10  
OZ4DX... 1150- 10- 40- A-  
OZ7KV... 870- 10- 29- B-  
OZ9Q... 198- 6- 11- A-  
OZ2CE... 150- 5- 10- A-  
Netherlands  
PA0LOU... 206,754-51-1380- A-63  
PA0WAC... 20,286- 23-294- A-14  
PA0FLX... 12,474- 22-189- A-  
PA0UZ... 10,395- 15-231- A-22  
PA0VDV... 2184- 14- 56- A- 3  
Sweden  
SM5CCE... 54,672- 34-477- B-29  
SL6BH<sup>16</sup>... 35,721- 21-567- A-28  
SM3TW... 35,244- 22-534- B-  
SM5BEU... 27,216- 21-432- B-  
SM5UU... 3564- 18- 66- B-11  
SM5YX... 3003- 13- 77- A-24  
SM7TV... 1368- 12- 38- A-  
SM5AIO... 1089- 11- 34- A-26  
SM5BDY... 108- 6- 6- A-  
SM6ALA... 54- 3- 6- A-  
SM6JY... 24- 3- 3- B-  
Poland  
SP6FZ... 85,455- 45-633- BC-52  
SP6ADZ... 53,703- 39-486- A-49  
SP1HU... 41,696- 32-444- A-  
SP9ADU... 9360- 26-121- A-16  
SP5YC... 9270- 15-206- A-20  
SP8YA... 5616- 12-156- A-12  
SP2AJ... 3825- 15- 85- A- 4  
SP9ZU... 3255- 15- 73- A-  
SP8MJ... 3188- 16- 66- A- 3  
SP5AJ... 2925- 13- 75- B- 7  
SP3KJL... 1776- 8- 74- B-  
SP6ALD... 964- 8- 36- A- 2  
SP8AN... 660- 5- 44- A-  
SP8AOX... 616- 11- 19- A-  
SP3AOT... 410- 10- 14- A- 1  
SP8HR... 297- 9- 11- A- 5  
SP9AGS... 288- 6- 16- A-  
SP5AHW... 162- 6- 9- A-  
SP2AOZ... 54- 3- 6- A-  
SP2KDS (SP2- CJ WB)  
3094- 17- 61- A-  
Crete  
SV0WZ... 3437- 17- 68- A-  
Iceland  
TF3AB... 31,257- 23-453- -  
European Russian S. F. S. R.  
UA1DH... 61,425- 35-595- B-  
UA4IF... 18,312- 21-292- B-15  
UA1TL... 2772- 14- 66- B-  
UA3BK... 1962- 18- 37- A-  
UA3NG... 792- 12- 22- A-  
UW3AX... 777- 7- 37- A- 2

UA3TA... 424- 8- 18- A-  
UA3KWB... 312- 8- 13- B-  
UA3GO... 132- 4- 11- A-  
UA6KOD (3 oprs.)  
73,167- 29-841- B-96  
UA3KWA (3 oprs.)  
26,292- 28-313- B-  
UA4KHW (3 oprs.)  
7155- 15-159- B-13  
UA3KET (3 oprs.)  
648- 8- 27- A-  
Kaliningradsk  
UA2AC... 29,240- 17-574- B-  
Ukraine  
UB5WF... 178,050-50-1189- B-58  
UT5RB... 8526- 14-203- A-  
UB5MZ... 1998- 9- 74- A-  
UB5KED (3 oprs.)  
39,888- 24-554- A-  
White Russian S. S. R.  
UC2AR... 3640- 15- 80- A-  
UC2BL... 150- 5- 10- A-  
UC2AW (2 oprs.)  
17,153- 17-339- A-  
Georgia  
UF6AU... 324- 6- 18- A-  
UF6KPA (3 oprs.)  
3289- 13- 85- A-  
Moldavia  
UO6BM... 21,063- 17-413- A-27  
Lithuania  
UP2NK... 7824- 16-163- A-  
Latvia  
UQ2CC... 819- 9- 31- B-  
UQ2KAR (3 oprs.)  
19,808- 16-413- A-20  
Estonia  
UR2BU... 17,670- 19-313- B-  
UR2BV... 798- 7- 38- A-  
Rumania  
YO2BU... 72,713- 43-587- B-75  
YO3RI... 55,062- 38-487- B-  
YO6KAF<sup>17</sup>... 8106- 21-131- B-12  
YO3JF... 3798- 18- 71- A-12  
YO6EY... 406- 7- 20- A-  
YO4KAK (2 oprs.)  
13,386- 23-197- A-  
YO6KAU (2 oprs.)  
11,134- 19-196- A-34  
Yugoslavia  
YU1SF... 266- 7- 13- A-25  
NORTH AMERICA  
Cuba  
CO2HB... 27,510- 35-264- A-10  
Guadeloupe  
FG7XJ... 11,883- 17-233- A-  
Panama  
HP1IE... 456,459-71-2143- A-65  
Guantanamo Bay  
KG4CY... 32,760- 39-282- B-13  
Puerto Rico  
KP4CC... 294,624-62-1584- A-45  
KP4BJU... 192,717-49-1311- B-  
KP4CH... 97,356- 38-854- B-24  
KP4RK... 38,590- 34-379- A- 8  
KP4DV... 21,600- 9- 80- B-  
Virgin Islands  
KV4CF... 461,196-69-2238- A-72  
Canal Zone  
KZ6LC... 116,754- 61-638- AB-  
Greenland  
OX3DL... 360,900-60-2005- B-  
OX3WQ... 4920- 12-138- A-  
Sint Maarten  
PJ5ME (4 oprs.)  
475,230-62-2555- A-42  
Grenada  
VP2GD... 825- 11- 25- A-  
St. Kitts  
VP2KR... 81,765- 45-607- A-31  
Barbados  
VP6LJ (3 oprs.)  
23,055- 15-523- A-18  
Bermuda  
W4WQQ/VP9  
115,830- 55-702- A-  
VP9L (W1NBA, W2YTH, VP9L)  
337,557-53-2123- A-38  
Mexico  
XE2OK... 329,706-73-1502- A-46  
XE1VT... 161,244-54-1016- A-57  
OCEANIA  
French Oceania  
FO8AA... 172,161-47-1224- A-49  
Eastern Carolines  
KC6BK... 54,513- 27-673- A-  
Marianas  
W9WNV/KG6  
192,510-62-1035- C-26  
Midway Islands  
W6ZDF/KM6  
277,068-66-1400- B-53  
Marshalls  
KX6AJ... 27,081- 27-335- A-10  
Australia  
VK5NO... 188,680-53-1191- A-51  
VK2GW... 166,430-55-1009- A-51  
VK2APK... 108,128- 48-737- A-  
VK3AXK... 76,824- 44-582- A-37  
VK2RA... 25,779- 39-221- A-12  
VK3ZR... 22,815- 45-169- A-  
VK5JT... 3907- 19- 51- A-  
Fiji Islands  
VR2EM... 10,608- 26-137- A-13  
Cook Islands  
ZK1AR... 171,912- 58-990- A-  
New Zealand  
ZL1AMO... 128,283- 61-701- A-27  
ZL3OX... 156- 6- 9- A- 3  
SOUTH AMERICA  
Chile  
CE1AD... 370,992-59-2096- B-  
CE3AG... 241,152-64-1256- AC-34  
CE2OF... 16,875- 25-225- A-  
Bolivia  
CP3CN... 17,135- 23-251- A-  
CP3CD... 10,164- 14-242- A-  
Ecuador  
HC1DC... 1,028,565-95-3609- B-76  
Colombia  
HK7BE... 284,580-62-1545- AB-61  
HK7ZT... 262,224-72-1214- A-67  
HK1QQ... 184,232-52-1181- B-20  
HK3TH... 135,654- 46-999- B-45  
HK3AH... 118,320- 58-680- B-10  
HK7UL... 27,993- 31-301- A-21  
Argentina  
LU6PK... 83,173- 31-900- A-36  
LU8PBH... 57,618- 33-582- A-  
LU5ABL... 4774- 14-114- A-12  
Netherlands Antilles  
PJ2AE... 147,340- 53-928- A-30  
Brazil  
PY4ABH... 113,064- 42-908- A-40  
PY1ADA... 51,891- 49-353- B-10  
PY1NEW... 25,443- 33-257- A-28  
PY7AKQ... 13,182- 13-338- A-  
PY77Y... 13,068- 12-363- B-  
PY7BX... 6783- 19-119- A-  
PY2BBO... 2736- 12- 76- A-  
Venezuela  
YV5AGD... 652,092-98-2218- B-  
YV4AV... 303,844-74-1416- B-70  
YV5BZ... 12,480- 26-160- B-  
YV1DP... 2610- 10- 87- B-  
Paraguay  
ZP9AY... 249,015-65-1277- A-70  
PHONE SCORES  
Atlantic Division  
Eastern Pennsylvania  
W3ALB... 141,384-137-344- C-70  
W3OCU... 122,220-126-331- C-  
W3EQA... 60,096- 96-210- C-45  
W3KTT... 27,714- 62-149- C-  
W3ZSS... 26,934- 67-134- C-45  
W3CGS... 22,935- 55-139- C-32  
W3GHD... 18,648- 56-111- B-  
W3FDH... 16,830- 55-102- -  
W3QIR... 13,617- 51- 89- B-42  
W3N3M... 12,220- 47- 87- BC-27  
W3HHA... 9324- 42- 74- B-  
W3QMZ... 8892- 39- 76- C-  
W3CTJ... 8400- 35- 80- C- 6  
K3RPU... 3864- 28- 46- A-  
W3GHS... 390- 10- 13- B- 1  
W3CAA... 363- 11- 11- A- 3  
W3QLW... 324- 9- 12- B- 2  
W3BIP... 189- 7- 9- C- 1  
K3JNP... 105- 5- 7- A-10  
W3WJD (K3JGJ, W3WJD)  
180,272-152-396- C-85  
W3KFK (K3JGJ, W3KFK)  
140,535-135-347- C-80  
W3HHK (W3s HHK MW C)  
69,615- 91-255- C-35  
W3GRS (K3JCT, W3GRS)  
33,507- 73-153- AC-11  
K3MBS (6 oprs.)  
9920- 40- 83- C-  
K3LJZ (K3s JLI LJZ)  
8073- 39- 69- A-20  
Maryland-D. C.  
W3TLN... 130,875-125-349- C-56  
W3JTC... 64,296- 76-282- C-57  
W3MCG... 30,885- 71-145- C-  
W3ZQJ... 17,985- 55-109- C-20  
W3AYD... 9120- 40- 76- C-  
K3CBW... 2040- 24- 29- A-12  
W3MSK (6 oprs.)  
575,592-232-827- C-96  
W3ADO (7 oprs.)  
173,584-152-382- B-96  
Delaware  
W3IYE... 55,449-101-183- C-30  
K3SMN (K3s JCT SMN)  
22,491- 63-119- C-31  
Southern New Jersey  
W2FXN... 198,432-156-424- C-  
K2PZF... 42,924- 73-197- C-50  
W2AJZ... 37,653- 77-163- B-30  
W2DAJ... 31,416- 68-154- C-36  
W2QKJ... 22,509- 61-123- B-56  
W2SDO... 11,664- 54- 72- C-50  
W2AED... 4836- 31- 52- A-30  
W2QDY... 4650- 31- 50- A-35  
W2HVW... 4128- 32- 43- C- 7  
W2DMR... 2016- 21- 32- C- 9  
W2APW... 720- 15- 16- A-  
K2OEA... 189- 7- 9- A- 3  
K2HBY... 108- 6- 6- A- 4  
W2BAPG (W2BAPG)  
8748- 54- 54- AC-48  
Footnote:  
1 W3MFW, opr. 2 W3SQX, opr. 3 K9RHN, opr. 4 W9SRZ, opr.  
5 Hq. staff - not eligible for award. 6 W1WPR, opr. 7 K7APJ, opr.  
8 WA6VAT, opr. 9 K4SXT, opr. 10 K6LSG, opr. 11 K5ETA, opr.  
12 K6FJT, opr. 13 K5ABV, opr. 14 W1TYQ, opr. 15 OK2BDX, opr.  
16 SM6CKU, opr. 17 YO6EH, opr.

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# DX Competition Results

(Continued from page 75)

## Western New York

K2GXI...195,816-164-400- C-85  
WA2HOK...61,596- 87-236- C-49  
W2QWS...30,459- 71-143- C-35  
WB2CCO...24,804- 53-156- C-46  
W2SNI...4437- 29- 53-BC-27  
W2CZT...3444- 28- 41- C-20  
WA2QFK...300- 10- 10- B- 4  
WA2FUE...168- 7- 8- B- 7

## Western Pennsylvania

W3LIV...18,315- 55-111- C-56  
W3ZVA...2940- 28- 35- C-14  
K3ELL...1404- 18- 26- B-16  
K3SIQ...297- 9- 11- A- 3

## CENTRAL DIVISION

### Illinois

WA9ENF...80,028-117-228- C- -  
K9CSW...31,920- 80-133- C-40  
W9ZTL...17,344- 54-107- C-41  
W9GAI...13,132- 49- 90- C-44  
K9VFF...12,300- 50- 82- C-58  
W9JJV...11,520- 48- 80- C-37  
W9IVG...4557- 31- 49- C-12  
K9ZBI...4557- 31- 49- A-25  
K9JLR...4416- 32- 46- B-18  
K9YWY...2496- 26- 32- A- -  
K9BJM...1716- 22- 26- C- 4  
W9IRH...1500- 20- 25- A- 4  
W9RHV...1056- 16- 22- B-18  
W9WIO...810- 15- 18- B- 4  
W9CRN...585- 13- 15- A- -  
K9YRA...189- 7- 9- A- 2  
WA9AQN...27- 3- 3- A- 2  
W9OKM (K9HUY, W9s OKM  
YYG)...19,647- 59-111- C-46

### Indiana

K9ECE...59,691-101-197- A-57  
W9WHM...56,316- 76-247- C-43  
K9VRU...27,306- 74-123- C-68  
W9EGQ...2507- 23- 37- C- 5

### Wisconsin

W9GIL...54,900-100-183-BC- -  
W9KXX...11,070- 41- 90- C-22  
W9VSO...10,206- 42- 81- - -  
W9AOW...810- 15- 18- A- 9  
W9SZR...105- 5- 7- A- 3

## DAKOTA DIVISION

### North Dakota

W0JWL...7320- 40- 61- B-24  
W0RRW...6090- 35- 58- C-33

### Minnesota

K0IKL...42,804- 87-164- C-65

## DELTA DIVISION

### Arkansas

W5CGR...18,522-163-108- C-21

W5QKZ...5967- 39- 51- - -  
W5DRW...4050- 30- 45- - -  
W5GFT...429- 11- 13- A-14  
K5TYW...360- 10- 12- C- 5

### Louisiana

W5AJY...52,965-107-165-AC-43  
W5KC...37,410- 86-145- C-25  
W5LDH...22,230- 65-114- C-10

### Mississippi

K5MDX...332,232-218-508- B-75

### Tennessee

K4LPW...2520- 28- 30- B-12  
WA4CGA...1449- 21- 24- A-12

## GREAT LAKES DIVISION

### Kentucky

W4BCV...81,750-109-250- - -  
W4JFW...16,968- 56-101- C-15  
W4JRW...6042- 38- 53- C-10  
WA4CDL...330- 10- 11- A-12

### Michigan

W8WT...27,864- 72-129-AC-40  
W8RXY...24,000- 64-125- C-30  
W8EW...3807- 27- 47-AC- 9  
K8OVK...2112- 22- 32- B-11  
W8GG...1932- 23- 28- C- 5  
W8QQL...390- 10- 13- - 5  
W8BNF...216- 8- 9- B- 3  
W8SS...48- 4- 4- C- 1  
W8NWO (W8s NWO TWA ZTJ)  
206,190-174-395- C-96  
W8NGO (W8s CLR NGO ONA)  
107,442-127-282- B-67

### Ohio

W8IJZ...37,146- 82-151- C-32  
W8BMX...8820- 42- 70- C-33  
K8OZL...6475- 35- 62- C-35  
W8WUO...4650- 31- 50- A-25  
K8NMG...561- 11- 17- B- 3  
W8GMK...396- 11- 12- A-11  
K8ZPK...12- 2- 2- A- -  
W8AJW...3- 1- 1- A- 1

## HUDSON DIVISION

### Eastern New York

WA2JBG...28,512- 72-132- C- -  
WA2RNM...13,920- 48- 97- C- 9  
W2VIR...6179- 37- 57- C-10  
WA2OJD...3534- 31- 38- C-11  
W2JMZ...936- 12- 26- A- -

### N. Y. C.-L. I.

K2IEG...165,564-146-379- C- -  
W2GKZ...11,520- 48- 80- C- 9  
W2TUK...7128- 36- 66- C- 8  
W2CWD...2046- 22- 31- C- 8  
WA2RUB...1782- 22- 27- A-11  
W2JB...330- 10- 11- A- 8

WA2TJA ..... 27- 3- 3- A- 1  
 W2SKE (W2s IWC SKE)  
 165,168-148-372- C-75  
 WA2RJZ (WA2RJZ, WB2BJG)  
 108- 6- 6- A- 5

*Northern New Jersey*

W2FFQ ..... 17,982- 54-111- B-55  
 W2JSX ..... 7476- 42- 62- B-30  
 W2JKH ..... 1554- 21- 25- A- 4  
 W2MNV ..... 144- 4- 12- A- 1

**MIDWEST DIVISION**

*Iowa*

K0FAE ..... 11,520- 48- 80- C-20  
 W0EOL ..... 10,626- 46- 77- C-27  
 W0LBS ..... 2700- 25- 36- A-25  
 W0FDL ..... 1404- 18- 26- C- -

*Kansas*

W0ALA ..... 10,296- 44- 78- C-27

*Missouri*

W0LBB ..... 41,310- 90-153- C-59  
 W0BTD ..... 32,760- 78-140- A-31  
 W0UCK ..... 3240- 27- 40- A-54  
 K0AXU (8 oprs.)  
 8775- 45- 65- C-22

**NEW ENGLAND DIVISION**

*Connecticut*

W1BIH ..... 5841- 33- 59- C- -  
 K1OSY ..... 5181- 33- 53- C- 7  
 W1AW<sup>2 3</sup> ..... 5040- 28- 60- C- -

*Maine*

K1VXU ..... 17,442- 51-114- B-54  
 W1GKJ ..... 14,400- 50- 96- C-24  
 W1FDL ..... 1064- 14- 26- B-15

*Eastern Massachusetts*

W1ONK ..... 168,099-137-409- -47  
 K1DIR ..... 67,803- 97-233- C-45  
 K1PJT ..... 11,907- 49- 82- B-23  
 K1KRG ..... 2460- 20- 41- C-36  
 W1PLJ ..... 576- 12- 16- B-15  
 W1NJL (4 oprs.)  
 16,245- 57- 95- B-37  
 W1MX (K4s BVD RNH)  
 252- 7- 12- A- 3

*Western Massachusetts*

W1RF ..... 6264- 27- 78- C- 9  
 W1JYH ..... 108- 6- 6- - -

*New Hampshire*

K1RTB ..... 107,744-112-323- B-65  
 W1FZ ..... 92,769-107-289- C- -  
 K1IHK ..... 60- 4- 5- C- 1

*Rhode Island*

W1ZFV ..... 86,724- 99-292- C-50  
 W1AWE ..... 495- 11- 15- A- -

**NORTHWESTERN DIVISION**

*Alaska*

KL7WAI (KL7DML, W4OSG)  
 24,675- 47-179-AC-96

*Idaho*

K7TMJ ..... 5772- 37- 52- A-44

*Oregon*

W7DIS ..... 6090- 35- 58- A-30  
 W7HIA ..... 1575- 21- 26- C- -  
 W7BTH ..... 585- 13- 15- - -  
 W7DLR ..... 243- 9- 9- C- 4  
 W7IYW ..... 45- 3- 5- C- -  
 K7RQX ..... 12- 2- 2- A- 2

**PACIFIC DIVISION**

*Santa Clara Valley*

K6ERV ..... 90,504-108-280- C-62  
 K6OHJ ..... 84,870-115-246- C-60  
 W6FYM ..... 40,770- 90-151- C-37  
 W6WX ..... 22,815- 65-117- C-20  
 W6UMI ..... 10,512- 48- 72- C-25  
 W6JKJ ..... 10,200- 50- 68- C- -  
 W6HOC ..... 6201- 39- 53- C-20  
 K6UXV ..... 5508- 34- 54- B-23  
 W6JWD ..... 2520- 24- 35- C-17  
 WA6YMX ..... 1914- 22- 29- C-10  
 WA6TGY ..... 1518- 22- 23- A- 3  
 K6BWX ..... 1071- 17- 21- C- 8  
 K6HOR ..... 960- 16- 20- B- 8  
 WA6NYJ ..... 27- 3- 3- B- 6  
 WA6NYK ..... 27- 3- 3- A- 5  
 K6TZX ..... 27- 3- 3- B- 2

*East Bay*

KL7DTB/6 ..... 58,140- 95-204- C- -  
 W6KGB ..... 35,076- 74-158- C- -  
 W6PQW ..... 26,820- 60-149- B-32  
 K6AHV ..... 16,461- 59- 93- C-20  
 W6LDD ..... 3483- 27- 43- C-10  
 W6FLT ..... 468- 12- 13- C- 5

*San Francisco*

W6YEJ ..... 4794- 34- 49- A-24  
 W6ERS ..... 75- 5- 5- B- -

*Sacramento Valley*

W6GRX ..... 35,604- 86-138- C-56  
 W6SIA ..... 22,338- 73-102- B-34  
 WA6SLU ..... 324- 9- 12- A- 8

*San Joaquin Valley*

W6BVM ..... 1680- 20- 28- B- -

**ROANOKE DIVISION**

*North Carolina*

W0FPA/4 ..... 12,054- 49-82- A-42

*South Carolina*

K4WJT ..... 4872- 29- 56- B-13

*Virginia*

W4BVV ..... 165,516-156-355- C-85  
 W4OM ..... 89,880-107-280- C- -  
 K4SXT ..... 69,230-115-201- C-35  
 W4OPM ..... 60,720- 92-220- C-24  
 W4LRN ..... 10,074- 46- 73- C-15  
 W4NJF ..... 9585- 45- 71- C-17  
 K4ORQ ..... 810- 15- 18- C- 3  
 W4GF ..... 36- 3- 4- C- -

*West Virginia*

W8UMR ..... 4995- 37- 45- A- 6

**ROCKY MOUNTAIN DIVISION**

*Colorado*

W0GAA ..... 20,085- 65-103-AC-55  
 K0MIC<sup>4</sup> ..... 10,350- 50- 69- C-20

*Utah*

W7UOM ..... 6156- 36- 57- B-48

*New Mexico*

W5FJE ..... 28,835- 79-125- C-38  
 W5LEF ..... 26,199- 71-123- C-33  
 K5STL ..... 1560- 20- 26- A-10  
 K5UYF ..... 1380- 20- 23- B- 4

**SOUTHEASTERN DIVISION**

*Alabama*

W4PRP ..... 33,744- 74-152-BC-60  
 W4DS ..... 10,578- 41- 86- -21

*Eastern Florida*

W4QVJ ..... 66,768-107-208- C-39

K4QBP...37,908- 81-156- C-21  
 K41IF...36,288- 84-148- B-43  
 W4LVV...10,320- 43- 80-BC-14  
 WA4LZM...4530- 30- 51-BC-15  
 W4EEO...3267- 33- 33- C-12  
 K4EJ...2185- 23- 32- B-20  
 K4RQE...1320- 20- 22- B- 2  
 K4LDR...270- 9- 10- - -  
 WA4KFB...264- 8- 11- C- 3  
 K4BUA (K4s BUA BWF)  
 27,885- 65-143- B-69  
 K4VGL (K4VGL, WA4GVM)  
 429- 11- 14- -12

*Western Florida*

WA4FIJ...2520- 24- 35-AC-18

*Georgia*

W4MCM...73,548-108-227- C-50  
 K4RPK...25,740- 65-132- C-30  
 K4TEA...18,156- 68- 89- A- -  
 W4BFR...13,608- 56- 81- B-17  
 WA4ARV...10,011- 47- 71- A-65  
 K4GSX...9198- 42- 74- B- -  
 W4SSU...9009- 39- 77- - -  
 K4TKM...1782- 22- 27- A- -  
 W51NL/4...1680- 20- 28- C- 5

**SOUTHWESTERN DIVISION**

*Los Angeles*

WA6IPY...100,080-102-300- - -  
 WA6QGM...13,860- 60- 77- B-24  
 W6VNJ...10,530- 45- 78- C-13  
 WA6KNE...6519- 41- 53- B-13  
 W6FET...2997- 27- 37- C-24  
 WA6HGC...2691- 23- 39- C- 6  
 W6MBV...810- 15- 18- C- 4  
 WB6BLU...243- 9- 9- A- 6  
 WB6CGA...90- 5- 6- B- 4  
 K6EXO (K6s EXO YRA)  
 89,925-109-275- C-75

*San Diego*

W6RCD...48,306- 97-166- C-41  
 WA6SBO...23,532- 74-106-AC-19  
 K6AVF...5724- 36- 53- A-32  
 W6HJT (6 oprs.)  
 426,624-202-704- C-96

*Santa Barbara*

WA6KCM...495- 11- 15- A-46

**WEST GULF DIVISION**

*Northern Texas*

K5FKD...41,580- 90-154- A-60  
 K5YUV...14,784- 56- 88- A-50  
 W5IPH...7560- 45- 56- C-14  
 WA5AKH...1980- 22- 30- C-31  
 K5MUX...12- 2- 2-AC-19

*Oklahoma*

W5KIY...7520- 40- 64- A-12  
 K5FSU...585- 13- 15- A- 9

*Southern Texas*

K5JZY...60,049-103-192-BC-75  
 W5EDX...1584- 22- 24- A-14  
 W5OP...342- 9- 13- - 4

**CANADIAN DIVISION**

*Quebec*

VE2AMW...12,474- 42- 99- A-12  
 VE2BV...7326- 37- 66- B-12  
 VE2WM...4170- 30- 47- B-14  
 VE2ANK...3330- 30- 37- A-15  
 VE2AFC...195- 5- 13- B- 3

*Ontario*

VE3FLO...25,024- 68-123- C-35  
 VE3ES...24,180- 65-124-AB-33  
 VE3PV...16,836- 61- 92- A- -  
 VE3BJZ...363- 11- 11-C- 2

*Manitoba*

VE4XO...16,632- 56- 99- C-38  
 VE4ZX...396- 11- 12- A- 8

*Saskatchewan*

VE5GF...1870- 22- 29- B-12

*Alberta*

VE6PL...1242- 18- 23- A- 9

*British Columbia*

VE7EH...11,550- 50 -77- A-26  
 VE7BBB...75- 5- 5- A- 4

**AFRICA**

*Ethiopia*

ET3USN...11,577- 17-226- A- 9

*Juan de Nova*

FR7ZC/J...3555- 9-140- A- -

*Libya*

5A1TW...4224- 11-128- A- -

*Somali Rep.*

6O1WF...8110- 10-272- C- -

**ASIA**

*Iran*

EP2AM...12- 2- 2- B- 1

*Korea*

HL9KH...80,262- 42-637- A-24

*Japan*

JA1ANA...5808- 11-176- B- 9  
 JA1LZ...4740- 10-158- B- -  
 JA1FSL...2988- 6-166- A- -  
 JA1DN...1890- 10- 63- A- -  
 JA1CWP...1650- 5-110- A- -  
 JA1INJ...846- 6- 47- A- -  
 JA1BWA...144- 4- 12- A- 1  
 JA6PL...72- 3- 8- A- 4  
 JA2BVS...42- 2- 7- A- -  
 JA1BUI...30- 2- 5- A- -  
 JA3BBG...3- 1- 1- A- 1  
 KA2JA (WA4GFQ, WA5FDP)  
 456- 6- 27- B-12

*Asiatic Russian S. F. S. R.*

UA0EH...2880- 10- 96- B- -

**EUROPE**

*Germany*

DL2DM...37,962- 38-333- B-19

*Spain*

EA4GZ...38,280- 22-580- A-22

*Ireland*

EI4AK...70,074- 34-687- A-24

*France*

F7BI...32,706- 23-474- A-17  
 F7CP...4947- 17- 97- A- 9  
 F3II...4545- 15-101- A- -  
 F9IR...648- 6- 36- B- -

*England*

G3DO...58,032- 39-496- A-35  
 G3MEA...26,244- 27-324- A- -  
 G3PEU...21,390- 23-313- A-22  
 G3AS...7326- 18-136- B-11  
 G3PRP...1120- 7- 54- A- -  
 G3KFX (G3s JOC KFX)  
 58,345- 35-557- A-36

*Scotland*

GM3HMU...5030- 10-169- A-12

*Switzerland*

HB9ZY...4688- 16- 97- B- -  
 4U1ITU (4 oprs.)  
 15,225- 15-343- C-14

*Italy*

I1BBZ.....1896- 12- 53- A- -  
 IT1ZDA.....1012- 11- 31- A- -  
 I1LCF.....525- 7- 25- A- -  
 I1GO.....180- 5- 12- A- 2  
 I1CWN (4 oprs.)  
 87,500- 35-834- A-70

*Norway*

LA5HE....14,094- 29-162- A- -

*Austria*

OE1RZ.....21,312- 24-296- B-20

*Finland*

OH5NQ.....2834- 13- 73- B- -  
 OH2PM/1...1340- 11- 40- B- -  
 OH5TM.....168- 4- 14- A- -  
 OH2BR.....72- 4- 6- A- 1

*Czechoslovakia*

OK1JX.....564- 12- 16- B- 4

*Belgium*

ON4UN....44,448- 32-464- A-26

*Denmark*

OZ5JT.....34,344- 27-424- A-20  
 OZ4RT.....3375- 15- 75- A- 6  
 OZ5KQ.....784- 8- 33- A- -  
 OZ3KE.....324- 6- 18- A- 4

*Sweden*

SL6BH<sup>5</sup>.....2160- 8- 90- A- 7  
 SM5BFR.....810- 10- 27- B- 5  
 SM6AOE (SM6s AOE BJI)  
 5520- 16-115- B- -

*European Russian S. F. S. R.*

UA1KBW (2 oprs.)  
 17,920- 14-418- B-44

*Estonia*

UR2BU.....1352- 13- 36- B- -

**NORTH AMERICA***Cuba*

CO8RA...119,970- 62-666- A-67

*Haiti*

HH2ML....17,134- 26-222- A-26

*Dominican Republic*

HI8MMN..22,002- 38-193- B-11

*Panama*

HP1AC.....1644- 12- 46- A- -

*Guantanamo Bay*

KG4BH....36,855- 35-356- B-27

*Puerto Rico*

KP4BIQ...91,665- 45-678- C- -  
 KP4BMG...10,362- 11-317- A- 9  
 KP4AYI....2640- 11- 80- C- 2

*Canal Zone*

KZ5AF<sup>6</sup>...237,750-50-1585- B-52  
 KZ5LC....103,776-47- 736- B-24

*Greenland*

OX3KM...29,856- 32-311- A- -

*Guatemala*

TG9SC....202,725-53-1275- A-30

*Caymans*

VP5BP....241,215-65-1238- A- -

*Bahamas*

VP7CX...112,926- 59-638- A-60  
 VP7CC....17,862- 26-232- A-17  
 VP7NS.....3220- 10-109- A- -

*Bermuda*

W5JDX/VP9  
 67,725- 45-502- A-25

*Mexico*

XE1CCB..588,720-80-2455-AB-52  
 XE1CV...585,298-97-2012- C- -  
 XE1FFU....165- 5- 11- B- 1

**OCEANIA***Eastern Carolines*

KC6BK.....8772- 17-172- A- -

*Australia*

VK3HL.....285- 5- 19- A- 1

*Fanning & Christmas Is.*

VR3O....173,880- 69-842- A- -

*Cook Islands*

ZK1AR....10,080- 28-120- A-15

*New Zealand*

ZL3RT.....140- 4- 12- A- 4

**SOUTH AMERICA***Chile*

CE3XA....56,979- 39-487- C- 7  
 CE8CG.....270- 6- 15- C- 3

*Ecuador*

HC1DC...487,272-79-2056- B-59  
 HC5EJ....73,556-37- 672- B-26

*Colombia*

HK4EB....20,916- 18-391- B-14  
 HK3LX....8740- 23-127- A- -

*Argentina*

LU1DAB..259,302-46-1879- B-66  
 LU3EQ....58,170-35- 554- B-37

*Peru*

OA1W....13,788- 36-129- A-16  
 OA4PX....12,033- 21-191- B- 8

*Netherlands Antilles*

PJ2AF....181,610-55-1105- A-31  
 PJ2CR.....5724-18- 106- A- 6

*Brazil*

PY2BGO...4224- 11-128- C- 9  
 PY1CK.....108- 6- 6- A- 1

*British Guiana*

VP3HAG..164,142- 66-828- C-26

*Venezuela*

YV5AGD..318,087-81-1309-BC-55  
 YV1IK....204,724-62-1101- B-39  
 YV5BPG...19,482-34- 191- A-17  
 YV1DP.....3207-10- 109- B- -

<sup>1</sup> K5VUV, opr. <sup>2</sup> W1WPR, opr. <sup>3</sup> Hq. staff — not eligible for award. <sup>4</sup> K6LSG, opr. <sup>5</sup> SM6CKU, opr. <sup>6</sup> KZ5GRS, opr.

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