

Results, 19th ARRL DX Contest

NEVER experienced worse conditions during a contest." — W4CYA. . . . "Apparently the bands are at rock bottom." — ZLIMQ. . . . "Things went badly, but I've got some FB excuses." — W8DUS. . . . Other adjectival remonstrations re band conditions: "Spotty" — KL7AON. . . . "Poor" — W0BBS. . . . "Very poor" — PA0SPR. . . . "Bad" — HB9AT. . . . "Terrible" — KG4AF. Thus go the comments, practically ad infinitum. But DX men are hardy souls and, whatever the status of the ionosphere, rest assured they'll turn in some fancy scores. And that they did! There were 40 c.w. W/VE scores over 100,000 in 1953 compared with just 27 in 1952; the story is the same in the 'phone portions, with eight scores over 90,000 compared with only two last year. Honest, fellows, were conditions *really* so bad?

In accordance with contest rules, competition for awards was confined to participants in each ARRL mainland section and in each country outside the W/VE area from which qualifying entries were received. Certificates of Performance are being awarded to 66 c.w. and 54 'phone participants in the U. S. and Canada, and to 66 c.w. and 43 'phone entrants overseas. In addition, three multiple-operator stations and 25 club winners are receiving certificates.

The C. W. Section

Honors for the top W/VE score this year go to W2SAI, with W3BES at the helm. Shading all comers by a wide margin, Jerry piled up 320,829 points with 467 contacts and a multiplier of 229. Jerry's score is reminiscent of years when the ionosphere wasn't subjecting us to such shoddy treatment; not since the 1950 DX Test has a W/VE entrant tallied over 300,000. In 80 hours of brass-pounding, the famed W3BES operating prowess led to contacts with 96 different countries and easily earned the Southern New Jersey section award. The antenna lash-up at W2SAI was impressive. For 14 Mc.: three horizontal dipoles stacked at 30-foot intervals and backed by a "bedspring" plane reflector, all mounted on a 100-foot self-supporting and rotatable mast (see cover photo, September QST). Also available were ground-planes for

40 and 80, a 15-meter vertical, and a 3-element rotary for 10.

In the second spot was Eastern Pennsylvania section winner W3CTJ with 272,160 points, 432 QSOs, 210 multiplier. Maury's score, like that of W2SAI, helped considerably to swell the impressive total of the Frankford Radio Club. Maury used two finals, either a 304TL or p.p. 250THs, and a HRO-50-T receiver. Antennas included dipoles on 40 and 80, ground-planes for 40 and 80, and 3-element beams for 10, 15 and 20 meters.

A contact total of 404 and multiplier of 214 netted W4KFC third position. Virginia section winner, Vic was Potomac Valley Radio Club's contribution to the "top three" with his 258,512 points. The rig ran 1 kw. to p.p. 4-250As. Skywires were 2-element rotaries for 15 and 20, a 40-meter ground-plane, and an all-band long wire.

The following also scored over 100,000 points: W4ESK (W3GRF, opr.) 244,728, W2WZ 209,790, W3DHM 208,620, W8ZY 194,394, W4CEN 188,307, W5ENE 167,790, W3JTC 166,725, W8FGX 158,436, W8BTI 148,365, W8HGW 141,816, W3BVN 141,410, W1LOP 131,400, W1RY 129,150, W3GHS 127,449, W6CYI 122,320, VE3ZW 119,196, W4BRB 118,548, W3MFW 117,504, W3ALB 115,420, W3KT 112,398, W1BFT 109,737, W9IOP 107,107, W6RW 106,110, VE2WW 105,264, W7PGS 102,684, W4DQH 101,592, W7PGX 101,304, W6PB 101,010, W8PQQ 100,947, W8ACE 100,584, W9NDA 100,500.

To see how you compared with others in your vicinity, check your score against these U. S. and Canada licensing area leaders:

W1LOP 131,400	W0DAE 96,390
W2SAI 320,829	VE1PQ 75,936
W3CTJ 272,160	VE2WW 105,264
W4KFC 258,512	VE3ZW 119,196
W5ENE 167,790	VE4RO 54,080
W6CYI 122,320	VE5QZ 4536
W7PGS 102,684	VE6MN 7560
W8ZY 194,394	VE7VO 39,216
W9IOP 107,107	VO6N 3036

The upturn in activity of stations in the multi-operator category rates special mention. Each of the following such stations, though not competing with single operators, made an especially noteworthy showing: W3MSK 243,009, W2AGO 230,442, W3LVF 208,512, W6IBD



This is the fancy operating position at W2SAI from which Jerry Mathis, W3BES, was able to take both Southern New Jersey awards, meanwhile running up the top c.w. and No. 3 'phone score in U.S.-Canada. Jerry's 320,829-point c.w. total is the biggest from W since the 1950 Contest. No deterrent to his performance was the antenna structure pictured on the cover of September QST.

190,030, W6AM 101,552, W4HQN 130,011. See the tabulation of scores for calls of contributing operators.

Leaders in number of contacts were W2SAI 467, W3CTJ 432, W4KFC 404, W3MSK 403, W4ESK 396, W2AGO 386, W3DHM 380, W2WZ 370, W3LVF and W6IBD 362, W8ZY 358, W4CEN 343, W5ENE 329, W8FGX 326, W3JTC 325, W6AM 324, W8BTI 315, W8HGW 311, VE3ZW 301, W1LOP 300.

Highest multipliers (sum of countries-worked totals for each band): W2SAI 229, W4KFC 214, W3CTJ 210, W4ESK 206, W3MSK 201, W2AGO 199, W3LVF 192, W2WZ 189, W3DHM and W4CEN 183, W8ZY 181, W6IBD 175, W3JTC 171, W5ENE 170, W6AM 166, W8FGX 162, W3BVN 158, W8BTI 157, W8HGW 152, W4HQN 151, W1RY 150, W4BRB 148, W3GHS 147, W1LOP 146, W3ALB 145, W3MFW 144, W3KT and W9IOP 143.

Maintaining an hourly average of 33.5 QSOs through 67 hours of contest operation, KG4AF piled up 2244 contacts, a multiplier of 81, and a fancy 545,292 points, for the top score from outside W/VE. Gordon wheeled his kw from band to band in true contestmanship fashion, making use of them all from 1.8 to 28 Mc. Recently departed from KG4, he will be sorely missed by those in quest of Guantanamo QSOs.

Veteran DX competitor KV4AA turned in his customary sterling performance, scoring 341,510 points, 1608 contacts, 71 multiplier, for the second highest spot. An excellent score also comes from Hawaiian winner KH6MG, next in line with 1574 stations worked, a 72 multiplier and 339,552 points.

Other high totals from outside W/VE: VP9BF 296,944, KV4AQ 291,028, VP9BDA (mult. opr.) 269,640, KH6IJ 223,788, CE3AG 215,280, KP4JE 200,202, KH6PM 200,064, KZ5BS 199,013, XE2OK 147,539, KH6ER 141,708, TI2TG 140,296, KP4CC 133,280, LU1EP 117,044, KP4UB 102,344, PY4IE 101,495. Top European scores: EA4CN 91,828, EA1AB 71,326, G5RI 59,297; African: ZE3JP 67,896, FF8AG 67,716, CN8EG 39,050; Asiatic: TA3AA 23,610, JA3AB 4875, JA3AF 4790.

Leaders in number of contacts with W/VE: KG4AF 2244, KV4AA 1608, KH6MG 1574, KV4AQ 1565, VP9BF 1479, VP9BDA 1455, KH6IJ 1097, KP4JE 1094, KH6PM 1042, CE3AG 1040, XE2OK 1011, KH6ER 964, KZ5BS 937, KP4CC 915, TI2TG 900, KP4UB 780, EA4CN 701.

Highest multipliers (sum total of U. S./Canadian licensing areas worked per band): KG4AF

◆
This quartet of ardent 'phone DXers got together on the W1ATE antenna farm after the contest to discuss who worked whom. L. to r.: W4ESK, W1ATE, W4OM and W4KWY. Combining their individual scores, one gets 538,662 points. Little wonder they're smiling! Incidentally, W4ESK and W1ATE chalked up the first and second highest W/VE 'phone scores.

October 1953

From October 1953 QST © ARRL

81, KH6MG 72, KV4AA and KZ5BS 71, CE3AG 69, KH6IJ 68, VP9BF 67, KH6PM 64, VP9BDA 63, KV4AQ 62, KP4JE 61, LU1EP 58, YN1AA 55, PY4IE 53, TI2TG and W6DFY/KP4 52, ZL1MQ 51.

The 'Phone Section

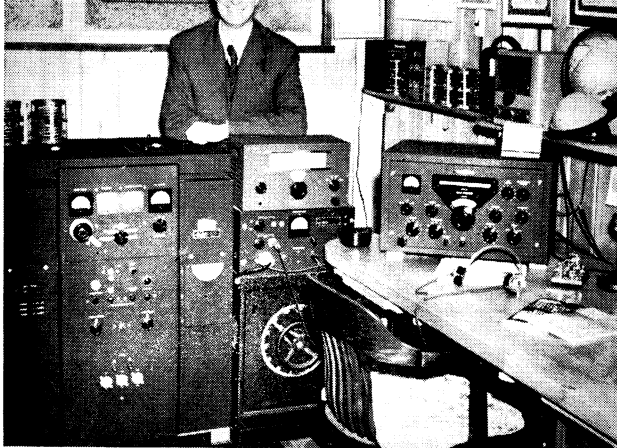
For the second consecutive year, the leading W/VE 'phone score comes from Virginia section and W4ESK. With a 198,720 point total by virtue of his 480 contacts and 139 multiplier, Rush bettered his 1952 work by 50,000 points and latched onto 79 different countries in 80 operating hours. It took the collective efforts of a number of brother amateurs to get the W4ESK contest site at Leesburg, Virginia, on a paying basis — what with erecting the 60-foot tower for the 10/20-meter rotary and the vertical for 40 and 75. Rush vows it was well worth the trouble, though, and guarantees to be in there fighting next year.

Antenna specialist W1ATE also crowded the 200,000 mark by rolling up 189,114 points with 490 QSOs and a 129 multiplier. A number of European operators reported Chad's signal the outstanding W representative on all bands, and one of the few able to override the terrific 7-Mc. b.c. QRM. The antenna set-up at W1ATE is ever in a state of flux, but during the contest Chad relied on two 3-element wide-spaced rotaries plus a 6-element Sterba curtain for 20, a 4-element rotary for 10-11 meters, a folded dipole for 40, and a 3-element vertical beam and 3-wire folded dipole for 75 meters.

In the show position, W2SAI, with W3BES at the mike, scored 171,235 points, 498 stations worked, multiplier 115. Jerry showed he is as savvy on 'phone as on c.w., with 78 countries contacted in 80 hours on the air.

Other high 'phone scores from W/VE: W3DHM 136,899, W3MSK 124,254, W2SKE 113,918, W3LVF (mult. opr.) 108,570, W4KWY 93,318, W4DQH 90,882, W4NTZ/4 83,904, W9EWC 79,905, W5BGP 79,596, W3GHS 72,518, W2WZ 67,284, W8NGO (mult. opr.) 62,775, W6VVZ 58,824, W4OM 57,510, W5JUF 57,368, W8NXXF 56,742, W1MCW 55,420, W9NDA 53,133, W0PRZ 51,750, W3KT 50,922, VE3KF 50,358. Leaders in number of contacts: W2SAI 498, W1ATE 490, W4ESK 480, W2SKE 372, W3DHM 371, W3MSK 356, W3LVF 329, W4DQH 308,





...ans Desmaras, CE3AG, was the highest South American c.w. scorer with a rousing 215,280 points and 1040 contacts. If you missed Luis in the contest, chances are you hooked him from Easter Island when he fired up CE0AA at that elusive spot as of August 7th.



fine 155,935 points from his 805 stations worked and a multiplier of 65. Sydney promises to take part in the 1954 contest from VE2-land, where he's now located.

Other high-scorers from outside W/VE were KH6MG 72,270, CT1BS 68,921, CT1CL 59,422, KL7AON 42,159, KH6PM 34,830, XE2W 28,428, ZS6DW 27,480, KH6IJ 25,047, G2PU 24,708, PJ2AA 22,194, EA4DB 22,113, LU1DDV 21,252, CT1QF 21,204. Largest totals by continental areas: *Africa* — ZS6DW 27,480; *Asia* — TA3AA 7560; *Europe* — CT1BS 68,921; *North America* — VP9BDA 178,974; *Oceania* — KH6MG 72,270; *South America* — PJ2AA 22,194.

The crew at VP9BDA led in number of W/VE 'phone contacts with 1009. Other leaders were KV4BB 828, VP6SD 805, CT1BS 569, CT1CL 543, KH6MG 438, KL7AON 365, G2PU 284, EA4DB 278, PJ2AA 274, KH6PM 270.

Scouting for W/VE contacts from 1.8 through to 28 Mc. paid off handsomely for KV4BB, whose multiplier of 71 was the highest since 1949. Availability of 7-Mc. 'phone to W/VEs the second week end also boosted the multipliers of these participants: VP6SD 65, VP9BDA 61, KH6MG 55, XE2W 46, KH6PM 43, CT1BS 41, ZS6DW 40, KL7AON 39, CT1CL 37, CT1QF 36, KH6IJ 33.

Club Scores

In each ARRL DX Contest, a gavel with an engraved silver band goes to the radio club whose members submit the highest aggregate score. As it has so often in the past, the competition for this useful and attractive award again produced a lively battle betwixt the Frankford Radio Club and the Potomac Valley Radio Club. And again this year Frankford, paced by the potent 'phone and c.w. scores of member W3BES operating W2SAI, came out on top and earned its third straight DX Test gavel. The Northern and Southern California DX Clubs also turned in excellent aggregates for third and fourth place, respectively, in the club standings.

A tabulation of all clubs that entered the competition accompanies this report. Special certificates are being awarded to the leading 'phone



The "young squirts" must look to their laurels when Karl Duerk, W8ZY, brasspounder since 1912, gets going. Karl turned in the top W8 c.w. score, 194,394, and walked off with the Ohio section award.

W4NTZ/4 304, W4KWY 302. Highest multipliers: W4ESK 139, W1ATE 129, W3DHM 123, W3MSK 117, W2SAI 115, W3LVF 110, W9EWC 105, W2SKE and W4KWY 103, W3GHS and W5JUF 101.

Leading mikemen by licensing areas:

W1ATE 189,114	W0PRZ 51,750
W2SAI 171,235	VE1PQ 10,146
W3DHM 136,899	VE2AHE 11,400
W4ESK 198,720	VE3KF 50,358
W5BGP 79,596	VE4RO 40,375
W6VVZ 58,824	VE5GF 378
W7HIA 33,600	VE7VO 26,730
W8NGO 62,775	VO6N 6030
W9EWC 79,905	

Biggest station score in the overseas 'phone category was chalked up by 11 Radio Society of Bermuda members at the controls of VP9BDA. Providing the W/VE gang with 1009 QSOs on all bands from 160 to 10 meters, the VP9s kept the 120-watt rig in action throughout the 96-hour contest period and amassed 178,974 points with a 61 multiplier. Antennas were long wires and dipoles.

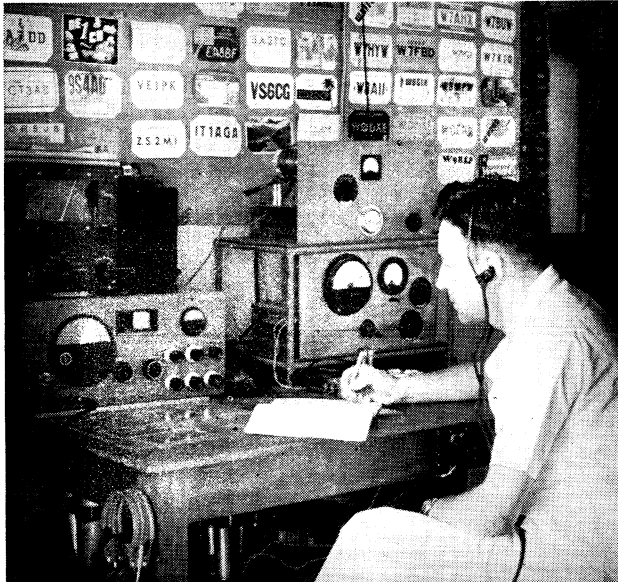
Highest reported single-operator score from outside W/VE was that of KV4BB, with 176,080 points, 828 contacts, 71 multiplier. Bill ran one kw. to p.p. 250TLs modulated by 810s, and employed a 20-meter 3-element beam, a ground plane on 10-11, and a 1200-foot long wire on 40-75-160.

Barbados entrant VP6SD was next with a



QST for

Ivan Pastre, FF8AG, racked up the No. 2 African c.w. score from this neat layout in French Sudan. Formerly FQ3AT and FE8AB, Ivan, with his husky signal and conscientious QSL policy, has supplied new ones for countless DXers.



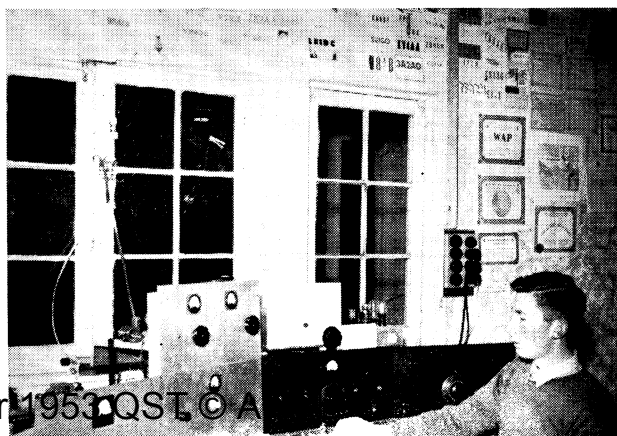
and c.w. operators in each club that submitted the minimum number of entries required by the rules. Congratulations to the winners!

Sidelights

Special mention for perennial consistency accrues to W5ENE, Northern Texas c.w. winner for the sixth straight year, and to British G2PU, whose outstanding signal has earned him his seventh consecutive 'phone award. . . . Only reported Asia-to-North America QSOs on 75-meter 'phone during the contest were from TA3AA to W1ATE and W4ESK. . . . W6AM exchanged c.w. serial numbers with KH6IJ on seven bands. . . . A number of changes in the contest rules were proposed. Rest assured, gang, that every suggestion which might result in a better and more enjoyable contest for all participants will be carefully considered by ARRL's Contest Planning Committee prior to announcement of the rules of the 1954 contest. . . . Now for some words of wisdom culled from contestants near and far. . . . "Although conditions were not of the best, these unpredictable happenings add a bit of spice to the event. I was reminded of the good old days of the 210 TNT. Many thanks for a couple of very enjoyable c.w. week ends." — VE3DT. . . . "With a selective receiver the contest was a real pleasure. Not one repeat was necessary. The discipline of W/VE stations was wonderful." — HB9AT. . . . "Even with terrible conditions I had a good time and made a far better score than last year. I found the 'hammanship' excellent and am looking forward to another contest here before I return to W2-land." — KT1UX (W2UUX). . . . "Bandas de 10-11 metros: muerta; 20 metros: muy buena; 40 metros: excepcionalmente buena; 80 metros: buena." — XE2W. . . . "Very pleased to work several new states for WAS but sorry the W7s did not come through." — SM6ACO. . . . "All in all, had a good time. Would like to praise the operating of such men as CE3AG, FF8AG, KV4AA and others, who managed to keep the QRM down." — W9DWD. . . . "Quite sure that conditions during the 20th ARRL DX Competition will be better, because it will be a jubilee

contest." — DL1DX. . . . "Congratulations on stirring up some honest-to-goodness activity in such trying times." — W6PYH. . . . "Outstanding signals here were those of W1ATE, W2SAI, W4KE, W5ENE, W6s AM VVZ, W8BHW. Our Maui Amateur Radio Club missed some top operators like KH6s AEX DK and EL, who could only be on for a short while. Watch out for us next year!" — KH6PM. . . . "Got my T2FD antenna up for second c.w. week end and it worked fine, all bands from 80 to 15, but wish ARRL would pick a contest time when we have better conditions on 27-28 Mc." — W6BYH. . . . "Although the bands opened up less than an hour each on the two days of operation, it was a pleasure to work those Americans we did and to give them another multiplier." — OD5XX. . . . "ARRL must have done a good job in advising foreign stations about the contest. Never heard so many Europeans on the air." — W8N XF. . . . "Practically all the W/VE boys were S9 and the QRM was so bad that I kept the crystal filter on the sharpest position throughout the contest. Hope I didn't insult some of the kw. brethren with the reports I handed out. Returning to the States in December and still need North Dakota and Montana for WAS. How about it, fellows?" — CN8EG. . . . "Conditions were only fair but enjoyed the Test and

New Zealander J. Bruce, ZL3OA, amassed 92,267 points and took his country's c.w. Certificate of Performance with this 100 per cent home-brew station.



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hope to be in many more." — *W6PTQ*. . . . "Would like to express my appreciation to the W6 gang for their courteous operating. The path from here to W6 was open only for a short time but due to good operating at their end I was able to work quite a number. Here's to another contest!" — *GM8MJ*.

Disqualifications

The entrants below are deemed ineligible for score listings or awards in the 1953 DX Competition. In each case disqualification is for off-frequency operation as confirmed by a single FCC citation or advisory notice or two accredited Official Observer measurements: *C.w.*: W2s GLO IIG SAW, W3LEZ. 'Phone: W5s CEW INL, W6s AM YY, W8RLT.

Let's hope that the Europeans are S9 on all bands during the Twentieth ARRL International DX Competition, and that 10-11 meters open wide to give the low-power men a break. Dates for the 1954 affair: 'Phone — Feb. 12th-14th and March 12th-14th; *c.w.* — Feb. 26th-28th and March 26th-28th. There'll be QSOs galore for everyone, conditions notwithstanding, so get set *now* to participate.

Our thanks go to the following operators who, although not wishing to compete, forwarded their logs for checking purposes: *C.w.*: W5RX, W6RO, VE1s AE YB, VE7FC, G14RY, OZ2E, PA0UL, SM5HH, VK2PV. 'Phone: VE2CK.

C. W. SCORES

Nineteenth 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/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 100 watts; B indicates over 100 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. . . . An asterisk following a call indicates contacts were made exclusively on the 27- and/or 28-Mc. bands. . . . Example of listings: W3CTJ 272, 160-210-432-C-82, multiplier 210; 432 contacts; power over 500 watts; total operating time 82

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. . . . Where three or more multiple-operator entries appear, the top-scoring station is being awarded a certificate.

ATLANTIC DIVISION

<i>E. Pennsylvania</i>		<i>W. Pennsylvania</i>	
W3CTJ	272, 160-210-432-C-82	W3LXE	50, 778- 93-182-C-31
W3DHM	203, 620-183-380-C-64	W3LMM	24, 276- 68-119-C-46
W3GHS	127, 449-147-239-B-57	W3AFO	11, 163- 61- 61-A-39
W3MFW	117, 504-144-272-C-72	W3DKL	300- 10- 10-B- 6
W3ALB	115, 420-145-266-C-50	W3NCJ	189- 7- 9-B- -
W3KT	112, 398-143-262-C-	W3KQZ	12- 2- 2-A- -
W3EQA	87, 552-128-228-C-65		
W3ALX	34, 715- 89-145-B- -		
W3DLR	34, 419- 77-149-C-47		
W3IMV	26, 271- 63-139-B-30		
W3GHD	23, 331- 77-101-B- -		
W3RFI	21, 840- 65-112-B-39		
W3NA	20, 520- 57-120-C-25		
W3MLW	19, 778- 53-115-B-50		
W3HFE	18, 383- 61-106-B-25		
W3MDE	17, 100- 57-100-B-40		
W3CHH	15, 660- 58- 90-C-		
W3EVW	14, 076- 51- 92-C-13		
W3GRS	5586- 38- 49-A-11		
W3QLW	5508- 34- 54-B-22		
W3EAN	4896- 34- 48-C- 9		
W3IXN	4278- 31- 46-B- -		
W4DGJ/3	1035- 15- 23-A-15		
W3ADE	540- 12- 15-B- -		
W3LAP	297- 9- 11-B- 4		
W3DVA	7- 10- 7- 10-A- -		
W3LVF (W3s EKK ISE 10DF)	20, 512-192-362-C-80		

CENTRAL DIVISION

<i>Illinois</i>			
W9NDA	100, 500-134-250-C- -	W9PNE	11, 172- 49- 76-B-27
W9HUZ	83, 814-122-229-B-70	W9WJU	7280- 40- 61-C-28
W9GRV	76, 167-117-217-C-73	W9WIO	3969- 27- 49-B-17
W9NII	72, 846-114-213-B-67	W9WJV	2400- 25- 32-B-19
W9FKC	37, 209- 79-157-C-24	W9KMN	1716- 22- 26-B-16
W9ABA	30, 096- 76-132-C-40	W9ALL	1458- 18- 27-B-18
W9VIN	27, 648- 72-125-B-60	W9TCY	720- 15- 16-A- 5
W9FID	24, 381- 63-129-C-45	W9OKI	297- 9- 11-B-10
W9PNE	11, 172- 49- 76-B-27	W9GSK	27- 3- 3-A- 1
W9WJU	7280- 40- 61-C-28	W9ISM	12- 2- 2-B- 3
W9WIO	3969- 27- 49-B-17	W9GVZ (W9s NZM PKW)	97, 042-121-268-C-88
W9WJV	2400- 25- 32-B-19	W9DWD (W9s DDP OUH BIF)	17, 523- 59-100-C-44
W9KMN	1716- 22- 26-B-16		
W9ALL	1458- 18- 27-B-18		
W9TCY	720- 15- 16-A- 5		
W9OKI	297- 9- 11-B-10		
W9GSK	27- 3- 3-A- 1		
W9ISM	12- 2- 2-B- 3		
W9GVZ (W9s NZM PKW)	97, 042-121-268-C-88		
W9DWD (W9s DDP OUH BIF)	17, 523- 59-100-C-44		

Mid.-Del.-D. C.

W3JTC	166, 725-171-325-C-80	W9IOP	107, 107-143-255-C-70
W3BWN	141, 410-158-299-B-60	W9JIF	37, 440- 78-163-C-62
W3W42	130, 422-117-325-C-80	W9UC	832- 14- 21-B-11
W3JTK	78, 840-120-219-C-70		
W3AOD	63, 322-113-193-B-34	<i>Wisconsin</i>	
W3HEC	61, 697-103-201-C-50	W9RQM	63, 327-101-209-C-42
W3EIS	55, 200-100-184-B-60	W9LNM	15, 008- 58- 32-C- -
W3GRF	39, 525- 85-155-C- -	W9GIL	15, 600- 52-100-B-30
W3DRD	39, 105- 83-145-B-38	W9MQK	10, 800- 40- 90-B-24
W3MFI	25, 908- 68-127-B- -	W9RBI	9720- 45- 72-C-11
W3FOB	25, 425- 75-113-A-43	W9GWK	6747- 39- 57-B-16
W3EPR	11, 328- 48- 79-B-23	W9IHN	5772- 37- 52-B-20
W3AEL	9315- 45- 69-B-15	W9IDK	5355- 35- 51-B-15
W3DOZ	9306- 47- 66-A- -	W9RKC	5346- 33- 54-A-65
W3LVI	7308- 42- 58-A-12	W9SKD	2997- 27- 37-A-17
W3DVO	3525- 25- 47-C-22	W9KXK	1404- 18- 26-A-11
K3WAS	3080- 28- 37-C-12	W9OMZ	147- 6- 7-B- 1
W3RNY	2079- 21- 33-B-24		
W3MSK (W3s MCG NOE)	245, 009-201-403-C-80		
W3ZQ (W4NF)	51, 156- 98-174-C-85		
W3WV (W3PZW)	21, 576- 62-116-C- -		

So. New Jersey

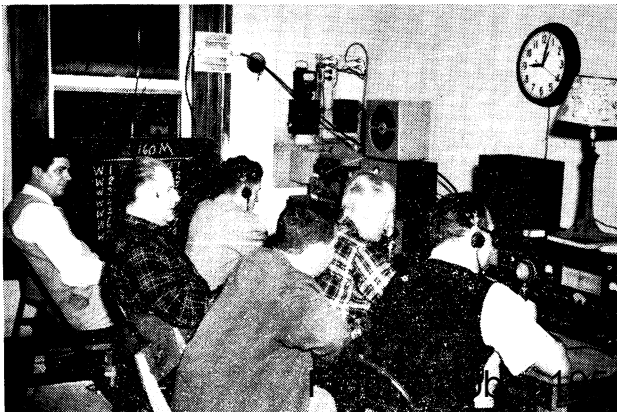
W2SAI*	320, 829-229-467-C-80	W9JMN	13, 197- 53- 83-B-40
W2GGL	73, 803-120-205-C-65	W9YCR	13, 113- 47- 93-C- -
K2CH	32, 951- 83-136-B-54	W9VIP	4131- 27- 51-B-10
W2QKJ	9400- 40- 79-B-40		
W2VUM	1440- 20- 24-B-11		
W2SDB	1054- 17- 22-B-13		

W. New York

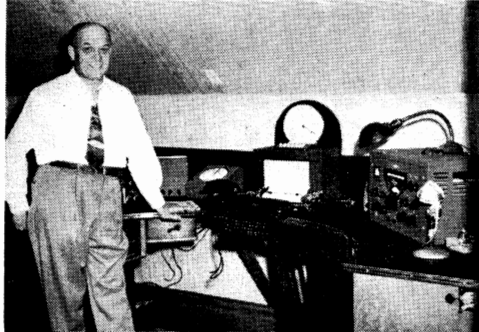
W2FBA	83, 916-126-222-C-40		
W2AW	32, 160- 80-134-B-32		
W2SFW	18, 492- 62- 89-C- -		
W2JBH	15, 423- 53- 99-B-47		
W2TXE	14, 256- 48- 99-C- -		
W2MA	12, 450- 50- 83-C- -		
W2PZM	5378- 32- 56-B-10		
W2ICE	5075- 36- 47-B- -		
W2QJM	4092- 31- 44-B-16		
W2DOD	2448- 24- 34-B-12		
W2VXA	1953- 21- 31-B- -		
W2CNT	1224- 17- 24-B- 5		
W2QO	798- 14- 19-B- 6		
W2TIC	714- 14- 17-B- 6		
W2KEL	60- 4- 5-B- 3		

DELTA DIVISION

<i>Arkansas</i>			
W5MPC	55, 200-100-188-C-43		
<i>Louisiana</i>			
W5CEW	18, 360- 60-102-B- -		
<i>Mississippi</i>			
W5CKY	72, 036-116-207-C-47		
W5AVF	20, 424- 69- 99-B-20		



Shown, *l. to r.*: VP9s AX L BG BI G and D. These 'phone men, among others, kept at it for the entire 96-hour period and multi-operated the Radio Society of Bermuda's VP9BDA to 178,974 points. VP9s BC BD BG BI BJ L and X also used the set-up effectively on *c.w.*, piling up an additional 269,640 points. (Photo courtesy Bermuda Royal Gazette)



Herman Greve, W9EWC, doesn't look unhappy about being Wisconsin's winner and high W9 'phone.



A 91,828-point tally enabled Luis Auyanet, EA4CN, to lead the European c.w. contingent by a wide margin.

<i>Tennessee</i>		W8JGU.....2860-26-37-B-2
W4DQH.....101,592-136-265-C-58	W8FJR.....1920-20-32-C-4	W8WUU.....972-18-18-B-6
W4FKA.....12,900-50-86-B-34	W8JFC.....384-8-16-B-5	W8KMF.....341-11-11-A-6
W4UDS.....528-11-16-A-7		
W4OGC.....480-10-16-A-4		

GREAT LAKES DIVISION

Kentucky

W4OMW.....340-10-12-B-5

Michigan

W8UAS.....47,790-90-177-C-60
 W8UPN.....30,441-73-139-C-29
 W8AAI.....11,421-47-81-B-16
 W8KPL.....5508-36-51-A-
 W8DLZ.....2850-25-39-B-16
 W8HA.....1482-19-26-A-10
 W8MCC.....330-10-11-A-10
 W8DUS (W8RAE) 30,150-75-134-C-36

Ohio

W8ZY.....191,394-181-358-C-54
 W8FGX.....113,436-162-326-C-70
 W8BTI.....148,365-157-315-C-66
 W8HCW.....141,816-132-311-C-30
 W8ACE.....109,584-132-254-C-38
 W8ZJM.....62,316-108-193-B-50
 W8BJ.....13,932-54-86-C-12
 W8DQC.....9471-41-77-C-18
 W8EV.....9108-46-66-A-
 W8AJW.....7030-40-59-A-
 W8JIN.....6600-40-55-C-9
 W8DAE.....4898-32-51-B-23
 W8PM.....4277-31-43-B-18
 W8HFE.....3840-32-40-C-9
 W8LOF.....3780-28-45-A-9

HUDSON DIVISION

Eastern New York

W2HO.....41,583-83-167-B-55
 W2EWD.....27,690-71-130-B-56
 W2AWF.....18,966-58-109-B-28
 W2CJM.....9240-40-71-B-30
 W2HSZ.....7254-39-62-B-22
 W2MHE.....4896-34-48-B-10
 W2VCB.....4185-31-45-B-32

N.Y.C.-L.I.

W2WZ.....209,790-189-370-C-72
 W2GSN.....29,835-65-153-C-
 W2WC.....29,151-79-123-B-36
 W2BRV.....26,130-67-130-B-36
 W2CTO.....23,520-70-112-B-20
 W2ARE.....20,610-58-115-B-36
 W2AZS.....18,630-54-93-C-24
 W2BWC.....12,549-47-89-B-25
 W2KTF.....7052-43-56-B-14
 W2BZO.....6549-37-59-C-21
 W2JB.....2142-21-34-B-11
 W2AWH.....2083-24-29-B-16
 W2KGN.....2040-20-34-B-17
 W2EVT.....2283-8-12-B-9
 W2NHH.....3-1-1-A-
 W2AGW.....63,024-104-202-C-37
 W2ATE.....60,894-102-199-B-41

Northern New Jersey

W2AGW.....63,024-104-202-C-37
 W2ATE.....60,894-102-199-B-41

W2GNO.....41,793-81-160-C-30
 W2EQS.....40,480-81-154-B-88
 W2CWK.....31,932-82-142-A-38
 W2CDP.....15,960-56-95-B-23
 W2DJT.....12,882-57-76-B-23
 W2LTO.....3321-27-41-B-30
 W2AQT.....2184-25-29-A-16
 W2N1Y.....1782-22-27-A-16
 W2LSJ.....1613-19-29-A-3
 K2CW.....1122-17-22-B-20
 K2BCK.....540-12-15-B-6
 W2CVW.....432-12-12-B-7
 W2CJD.....48-4-4-B-10
 W2HEG.....12-2-2-A-10
 W2AGO (W2s HZY OST)
 239,442-193-385-C-90

MIDWEST DIVISION

Iowa

W0NWX.....55,200-100-183-B-
 W0FDL.....24,405-72-113-C-27
 W0DIB.....3-1-1-A-
 W0DAE.....95,390-126-355-C-50
 W0ERI.....15,264-53-96-C-28
 W0VBQ.....7800-40-65-B-19
 W0YZB.....7371-39-63-C-30
 W0BCL.....6120-34-60-A-30
 W0IUB.....4836-31-52-B-14
 W0DEP.....3645-27-45-B-18
 W0HAW.....100-5-2-A-10

Kansas

W0DAE.....95,390-126-355-C-50
 W0ERI.....15,264-53-96-C-28
 W0VBQ.....7800-40-65-B-19
 W0YZB.....7371-39-63-C-30
 W0BCL.....6120-34-60-A-30
 W0IUB.....4836-31-52-B-14
 W0DEP.....3645-27-45-B-18
 W0HAW.....100-5-2-A-10

Missouri

W0DU.....29,304-74-132-B-45
 W0BMM/0.....24,552-66-124-C-80

W6CVZ.....16,920-60-94-B-26
 W0ZRP.....16,588-58-96-C-36
 W0ETW.....1500-20-25-A-48
 W0FNO (W0AIW) 94,875-125-253-C-
 W0BBS.....6405-35-61-C-25
 W0NFX.....3875-31-43-B-17

Nebraska

W0BBS.....6405-35-61-C-25
 W0NFX.....3875-31-43-B-17

NEW ENGLAND DIVISION

Connecticut

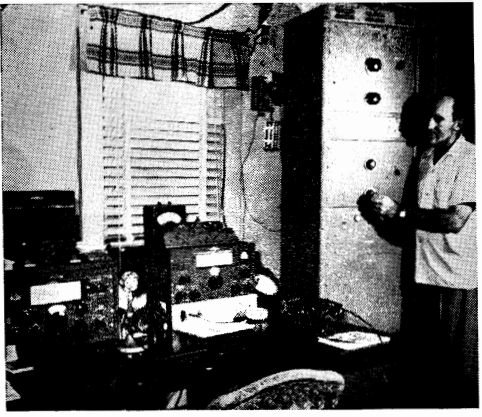
W1LOP.....131,400-146-300-C-65
 W1RY.....129,150-150-287-B-84
 W1AB.....76,128-122-208-C-53
 W1ODW.....47,320-91-174-B-56
 W1BIH.....47,120-95-166-C-
 W1DIT.....39,261-77-133-C-25
 W1FTX.....21,384-72-99-B-26
 W1ORP.....21,080-63-104-C-17
 W1DHO.....16,380-52-105-A-38
 W1AJQ.....13,230-49-90-B-37
 W1TX.....9315-45-71-C-7
 W1WG3.....9180-51-60-B-
 W3VES¹⁸.....5565-35-53-B-10
 W1WPO3.....4725-35-45-B-40
 W1NJM3.....3948-28-47-B-8
 W1TYQ.....2880-24-40-A-13
 W1APA.....1840-20-52-B-15
 W1UHP.....798-14-19-A-8
 W1AW (W1s QIS WPR)3
 702-13-18-C-
 W1QJ.....2250-25-30-B-11
 W1VEH.....147-7-7-B-11

Maine

W1QJ.....2250-25-30-B-11
 W1VEH.....147-7-7-B-11

CLUB SCORES

Club	Score	C.W. Winner	'Phone Winner
Frankford Radio Club	2,286,653	W2SAI	W2SAI
Potomac Valley Radio Club	1,884,093	W4KFC	W4ESK
Northern California DX Club	973,112	W6PB	W6PYH
Southern California DX Club	908,684	W6CYI	KH6MG
Maul Amateur Radio Club	795,665	W8FCX	W8WAG
Ohio Valley Amateur Radio Assn.	472,465	W3GHS	W3GHS
The DX Club	426,215		
Northwest Amateur Radio Club	222,304		
Rochester DX Assn.	162,446	W2FBA	W2FBA
North Suburban Radio Club	153,152	W9GRV	
Ridgewood Amateur Radio Club	146,425	W2ATE	
Tri-City Amateur Radio Club	127,746		
Quincy Amateur Radio Club	104,056		
West Seattle Amateur Radio Club	100,692		
Amateur Radio League of Manitoba	94,455		
Niles Amateur Radio Club	88,778		
Connecticut Wireless Assn.	81,767	W1BIH	
Wisconsin Valley Radio Assn.	63,827		
Dayton Amateur Radio Assn.	62,316		
Four Lakes Amateur Radio Club	54,498	W9LNM	W9RBI
Narragansett Assn., of Amateur Radio Operators	49,005		
Dade Radio Club	48,381	W4LQN	
Raritan Valley Radio Club	34,932		
Milwaukee Radio Amateurs Club	31,356	W9GIL	W9FDX
Providence Radio Assn.	30,573		
Westpark Radlops	28,190	W8AJW	W8AJW
Denver Radio Club	25,461		
Mid-Cities Amateur Radio Club	19,835		
Albany Amateur Radio Assn.	18,968		
El Ray Radio Club	14,535		
South Shore Amateur Radio Club	14,400		
Garden City Radio Club	14,250		
Sonoma County Radio Amateurs	9804		
South Lyme Beer, Chowder & Propagation Society	9180		
Yarmouth Amateur Radio Club	8988		
Tri-County Amateur Radio Club	7886		
Palo Alto Amateur Radio Assn.	7560		
Milwaukee School of Engineering A. R. Club	5390		
Montreal Amateur Radio Club	5280		
St. Louis University Amateur Radio Club	1602		



Morris Guzick, shown tuning up W5BGP, made the top W5 'phone total and took the Northern Texas section award hands down.

E. Massachusetts

WIBOD.....80,988-116-234-B-56
 WIAZY.....52,992-92-192-B-38
 WIPEG.....14,535-51-95-B-48
 WIDSF.....14,400-48-100-C-53
 WIUBC.....9675-45-73-B-31
 WIPKW.....9546-43-74-B-16
 WIDDO.....2028-26-26-A-9
 WIABA.....585-13-15-B-8
 WILCK.....48-4-4-B-4
 WIPLJ.....27-3-3-A-8
 WIWAG.....27-3-3-A-4
 WIMX (W4YHD, W9COL)
 117,177-139-281-C-90

W. Massachusetts

WIZD.....66,804-114-196-C-43
 WIAEW.....23,312-62-126-B-34
 WIJYH.....4884-37-44-A-10
 WIRB.....4662-37-42-A-26

New Hampshire

WIBFT.....109,737-137-267-B--
 WICRW.....19,380-68-95-C-12
 WINEL.....7686-42-61-B-20
 WIFZ.....840-14-20-A-3

Rhode Island

WICJH.....49,085-99-165-B-40
 WIMLI.....30,573-79-129-B-55
 WIAWE.....14,256-48-99-C-30
 WIAOP.....1890-21-30-B--

NORTHWESTERN DIVISION

Idaho

W7MOU.....3525-25-47-B-20

Montana

W7KVU.....73,629-101-243-C-47

Oregon

W7AHX.....34,875-75-155-B-52
 W7DAA.....28,560-68-140-C-60
 W7OCL.....7828-38-69-C-36
 W7LNG.....4925-31-53-B-30
 W7JLU.....2691-23-39-A-20

Washington

W7DL.....75,492-108-233-C-4
 W7PQE.....52,630-95-185-C-51
 W7CNM.....39,366-81-162-B-50
 W7AJS.....22,509-61-123-C-40
 W7EJD.....21,924-63-116-C-59
 W7NLI.....19,662-58-113-C-50
 W7HAD.....152-29-53-B-15
 W7HJC.....3780-28-45-C-15
 W7MVC.....684-12-19-A-4
 W7HDM.....84-4-7-A-4

PACIFIC DIVISION

Nevada

W7KEV.....13,311-51-87-C-19
 W7KJQ.....2808-24-39-B-10

Santa Clara Valley

W6VE.....57,024-99-192-C--
 W6CSR.....31,974-73-146-B-61
 W6ZZ.....7548-37-68-B-33
 W6VDG (W6EAE) 77,970-115-227-C-74

East Bay

W6PB.....101,010-130-259-C-80
 W6TT.....95,330-122-252-C-70
 W6PTH.....87,483-121-241-C-40
 W6DYP.....66,600-111-200-C-60
 W6LDD.....58,425-95-285-C-85
 W6GIZ.....32,163-71-151-C-46
 W6MVO.....30,810-79-130-C-20
 W6GDE.....26,112-68-122-C-36
 W6LMZ.....23,511-59-103-B-24
 W6AJN.....10,788-31-116-B-40
 W6DUB.....10,584-42-84-C-16
 W6EJA.....9576-38-64-B-22
 W6FLT.....8280-40-69-B-30
 W6TLT.....8103-37-73-C-25
 W6GPH.....7245-35-69-B-24
 W6RCC.....3075-25-41-B-24
 W6VO.....180-6-10-C-1
 W6RRH.....91-7-13-B-10
 W6BZU.....45-3-5-B-1
 W6LW (W6MHB) 91,113-121-151-C-90
 W6KEK (W6CTL) 10,260-45-76-B--

San Francisco

W6WB.....78,309-113-231-C-1
 W6ATO.....47,502-87-182-C-78
 W6GPF.....29,376-72-136-B-60
 W6GOK.....22,692-62-122-C-61
 W6HQN.....9804-43-76-B-21
 W6ERS.....495-15-22-A-45

Sacramento Valley

W6ONZ.....5184-27-64-C-34
 W6EFM.....5112-36-48-C-12
 W6BIL.....1188-18-22-B-7
 W6HWF.....12-2-2-B-3

San Joaquin Valley

W6GQW.....33,525-75-149-C-48
 W6BYH.....17,574-58-101-C-23
 W6MEL.....12,549-47-89-C--

ROANOKE DIVISION

North Carolina

W4CEN.....188,307-183-343-C-55
 W4ALX.....34,365-79-145-B-42
 W4AKE.....21,735-63-115-C-26
 W4CXB.....17,490-53-110-C-20
 W4QOC.....3728-27-46-C-16
 W4LQC.....368-12-16-A-12

South Carolina

W1IIB/4.....6300-36-59-B-12
 W4FNS.....741-13-19-B-8
 W4DNR.....478-12-13-A-11
 W3HH/4.....27-3-3-B-1

Virginia

W4KFC.....258,512-214-404-C-83
 W4ESK.....244,728-206-396-C--
 W40M.....63,640-110-208-C-2
 W4SHJ.....14,094-54-87-B-25
 W4JAT.....12,690-45-94-B--
 W4NH.....4032-28-48-B-10
 W4TE.....248-23-36-C-10
 W4CQL.....1920-20-32-B--
 W4OC.....630-14-15-A-2
 W4UWS.....429-11-13-A-6
 W4RNP.....420-10-14-B-16
 W6LON/4.....363-11-11-B-4
 W4HQX (W4s FF NTZ)
 130,011-151-287-C-90

West Virginia

W8PQQ.....100,947-133-253-C-73
 W8HZA.....4488-33-46-B-13

ROCKY MOUNTAIN DIVISION

Colorado

W0AZT.....25,461-69-123-C--
 W9CDP.....4611-29-53-A-22

Utah

W7NOE.....13,202-46-97-C-63
 W7EHP.....3150-25-42-B-15
 W7QD J.....1786-19-32-A-20
 W7RCP.....682-11-22-A-31

Wyoming

W7PGS.....102,684-129-266-C-54

SOUTHEASTERN DIVISION

Alabama

W4ECL.....74,160-120-206-C-60

Eastern Florida

W4BRB.....118,548-148-271-C-60
 W4LQN.....25,326-63-134-B-42
 W4TRA.....11,700-50-78-A-4
 W4EEZ.....6552-42-52-B-20
 W4WHK.....3836-28-49-A-37
 W4DRK.....2916-27-36-B--
 W4TOA.....2730-26-35-A-50

Western Florida

W4NN.....42,588-84-169-B-48

Georgia

W4DCZ.....76,015-115-221-C-74
 W4CTA.....7320-40-61-B-24

SOUTHWESTERN DIVISION

Los Angeles

W6CTI.....122,320-139-294-C-92
 W6RW.....106,110-185-232-C-82
 W6H0H.....57,900-100-193-B-70
 W6SRF.....55,872-96-194-C-50
 W6LDJ.....52,080-93-188-C-2
 W6BJU.....47,214-86-183-C-58
 W6BFD.....46,464-88-176-B-80
 W6BUD.....43,587-87-167-C-66
 W6NZW.....33,930-78-145-C-47
 W6ALQ.....27,522-66-139-C-3
 W6APH.....16,800-56-100-C-30
 W6MUR.....15,900-53-100-C-10
 W6YUQ.....15,756-52-101-C-35
 W6HJ.....10,866-43-84-B-35
 W6NTR.....10,428-44-79-A-18
 W6JID.....5344-32-56-C-20
 W6WPI.....3675-25-49-A-20
 W6K FV.....3096-24-43-C-21
 W6KWF.....2280-19-40-A-19
 W6NJU.....1640-16-30-B-30
 W6PTQ.....1050-14-25-A-24
 W6HPB.....990-15-22-B-10
 W6UYH.....351-9-13-B--
 W6FTT.....252-7-12-B-7
 W6KBN.....210-5-14-B-12
 W6GK.....90-5-6-B-6
 W6MPO.....30-2-5-A-3
 W6IBD (W6FSJ) 190,050-175-362-C-45
 W6AM (W6s ADP BXL GFE QMC)
 161,352-166-324-C-90
 W6ILP (W6GUF) 17,160-55-104-C-7

Arizona

W7PCX.....101,304-134-252-B-62
 W7ENA.....14,151-53-89-A-54
 W7QJV.....231-7-11-A-4

San Diego

W6LRU.....33,516-76-147-A-46
 W6NKR.....9675-43-75-C-37
 W6CHV.....9102-41-74-B-26
 W6CRT.....5208-31-56-A-15

WEST GULF DIVISION

Northern Texas

WSENE.....167,790-170-328-C-53
 WSENO.....40,317-89-151-C-54
 W50LJ.....12,348-49-84-B-34
 W5AJA.....8118-41-66-C-34
 W5VNV.....1368-19-24-A-10
 W5TVY.....144-6-8-A-25

Oklahoma

W5DQV.....40,572-84-161-B-50
 W5VNV.....5083-32-53-A-28
 W5LJL.....936-13-24-B-10

Southern Texas

W5ZD/S.....34,263-81-141-B-8
 W5KCR.....10,652-56-99-B-39
 W5VIR.....7224-42-58-B-12
 W5HSD.....2622-23-38-A-14
 W5DML.....714-14-17-C-3

New Mexico

W5LGS.....12,972-47-92-B-29
 W5TOU.....741-13-19-A-5

CANADA

Maritime

VEIPQ.....75,936-112-226-B-65
 VEI2Z.....29,640-76-130-B-49
 VEIEK.....10,280-40-87-A-23
 VEICU.....8988-42-72-A-30
 VEIHG.....4902-38-43-B-11
 VO6N.....3036-22-46-A-50
 VO6U.....225-9-9-A-14

Quebec

VE2WW.....105,264-136-258-B-57
 VE2WA.....41,832-83-168-B-30
 VE2BK.....7257-41-59-B-11
 VE2KZ.....5290-32-55-B-11
 VE2KJ.....5133-29-59-B-7
 VE2AL.....3196-26-41-A-11
 VE2AIE.....1330-19-24-A--

Ontario

VE3ZW.....119,196-132-301-C-71
 VE3DT.....8772-43-68-B-52
 VE3JJ.....5312-32-56-B-25
 VE3DQ.....2544-24-36-B--
 VE3VT.....1860-20-31-B-14
 VE3RB.....1620-18-30-A-30
 VE3AU.....450-10-15-A-5

Manitoba

VEARO.....54,080-104-212-C-57

Saskatchewan

VE5OZ.....4536-27-56-A-15
 VE5JV.....3174-23-46-B--
 VE5RU.....486-9-18-A-10
 VE5FG.....3-1-1-B--

Alberta

VE6MN.....7560-35-72-C-30

British Columbia

VE7VO.....39,216-76-172-C-52
 VE7ZM.....15,100-50-102-B-24
 VE7KC.....8436-37-76-B-22

AFRICA

Algeria

FA9RZ.....33,336-36-309-A-28

Belgian Congo

OQ5CQ.....22,770-23-330-A--
 OQ5CF.....4524-13-116-A-26
 OQ5BB.....4035-15-93-A-9
 OQ5RA.....60-4-5-B--

Canary Is.

EAB8K.....5985-19-108-A-21

Eritrea

MISAT.....6270-15-144-B-13

French Morocco

CN8EG.....39,050-22-594-A-26
 CN8AG.....1809-9-67-A-13

French West Africa

FR8AG.....67,716-44-513-A--

Madeira Is.

CT3AA.....7395-15-169-B-13
 CT3AB.....6840-24-95-B-6

Mozambique

CR7LU.....3996-18-75-A-14

Portuguese Guinea

CR5AE.....780-10-26-A-2

Southern Rhodesia

ZE3JP.....67,896-46-492-A-50

Spanish Morocco

EA9AP.....26,388-36-245-A-17

(Continued on page 128)

DX Contest Scores

(Continued from page 60)

Sudan

ST2AR.....1242- 9- 46-A- -

Tangier Zone

KT1UX.....17,072- 22-259-B-33
CN2AS.....850- 10- 29-A- 3

Union of South Africa

ZS5MP.....17,920- 28-214-A- -
ZS6BJ.....369- 9- 14-A- -
ZS5LA.....118- 2- 20-A- -

ASIA

Japan

JA3AB.....4875- 13-125-A-25
JA3AF.....4790- 10-166-A-26
KA2HQ.....2984- 8-125-B-15
JA3AA.....1590- 6- 93-C-22
KA9AA.....1406- 8- 59-A- -
KAZLG⁷.....1368- 6- 76-B- -
JA2AI.....1052- 4- 89-A- -
JA1BC.....312- 4- 26-A- 4
JA1AB.....243- 3- 27-A-11
JA1BN.....45- 3- 5-A- 3
KA8AB (KA8LB).....2400- 10- 80-C- -

Lebanon

OD5XX.....823- 7- 31-A- 4

Turkey

TA3AA.....23,610- 30-263-B-18

EUROPE

Austria

OE13RN.....8910- 18-165-B-20
OE13HL.....4130- 14- 99-B-11

Azores

CT2BO.....11,880- 27-150-A-11

Belgium

ON4TQ.....7696- 16-161-A-20
ON4RT.....5096- 13-131-A- -
ON4PA.....1032- 8- 43-A- -

Czechoslovakia

OK1MB.....13,075- 25-176-C- -

Denmark

OZ1W.....25,830- 30-297-A-58

Eire

EI5C.....38,456- 23-565-A-48
EI5G.....2486- 11- 79-B-11
EI5F.....1925- 11- 60-A- -
EI9J.....1056- 8- 45-B- 3

England

G5RI.....59,297- 43-460-B-43
G6GN.....35,112- 38-314-B-60
G2HOF.....2268- 12- 64-B-12
G2DPY.....45- 3- 5-A- -

Finland

OH2VZ.....1970- 10- 67-A- -
OH2MQ.....1144- 11- 36-A-10
OH3RA.....693- 9- 26-A- -
OH5OU.....198- 6- 11-A- 6
OH2SD.....180- 5- 12-A- -

France

F8V.....33,033- 33-335-A-33
F8OP.....11,400- 25-152-A- -
F9RM.....9513- 21-151-A- -
F8TQ.....5214- 22- 79-A- -
F8PM.....3978- 13-102-A- -
F8GB.....576- 9- 22-A- 5
F9BB.....72- 3- 8-A- -

Germany

DL4EF.....27,944- 28-335-B-36
DL1DX.....20,169- 27-249-B-30
DL1FF.....16,878- 29-198-B-41
DL1BR.....15,960- 28-190-A- -
DL1KB.....7938- 27- 98-B- -
DL4TX.....6272- 14-156-B-33
DL6GB.....3876- 19- 68-A- -
DL1HH.....1635- 15- 37-B-21
DL6DF.....174- 6- 10-A- -

Iceland

TF3AB.....12,206- 17-242-A- -
TF3MB.....9612- 18-182-A- -
TF3SG.....5104- 16-108-A- -

Italy

I1ALU.....16,416- 24-228-A-25
I1ER.....462- 7- 22-A-18

Netherlands

PA0EP.....24,288- 32-257-A-82
PA0VB.....21,111- 31-227-B-34
PA0GN.....19,032- 26-244-A-60
PA0KW.....11,115- 16-193-A-30
PA0SPR.....4860- 15-108-A-21
PA0TAU.....4428- 18- 82-A- -
PA0WAC.....3234- 14- 77-A- 8
PA0ZL.....432- 8- 18-A-13
PA0FW.....170- 5- 12-A-12
PA0LY.....115- 5- 8-A- 2

Norway

LA6U.....5530- 14-137-A-15
LA3HA.....3146- 13- 82-A- -
LA7Z.....918- 9- 34-A- 7
LA4KD.....510- 10- 17-A- 6
LA4K.....294- 7- 14-A- -
LA1TC.....85- 5- 6-A-10

Portugal

CT1DJ.....48,246- 34-473-B- -
CT1TY.....5558- 14-135-A-20

Saarland

9S4AX.....8604- 21-131-A-60
9S4AL.....940- 10- 32-A- 5

Scotland

GM2FHH.....8664- 19-156-B-24
GM8MJ.....6384- 14-152-A-20
GM3DPL.....1431- 9- 53-B- -

Spain

EA4CN.....91,828- 44-701-A- -
EA1AB.....71,326- 38-629-A-38
EA3CY.....3822- 14- 91-A- 8
EA3GF.....2431- 11- 78-B-12

Sweden

SM3ARE.....2952- 12- 82-B- -
SM6ACO.....2736- 12- 77-B-16
SM6DA.....2573- 11- 49-B- -
SM5AQV.....1377- 9- 51-B- -
SM7AKG.....1045- 11- 32-A- 8
SM7AVA.....1012- 11- 31-A- -
SM7XV.....990- 10- 33-B- -
SM5BQJ.....975- 15- 22-B- -
SM5XX.....525- 7- 25-B- -
SM6BUD.....480- 8- 20-A- -
SM6APB.....350- 7- 18-B- -
SM6AOU.....192- 6- 11-B- 3
SM7AOU.....18- 2- 3-A- -
SM2RF.....18- 2- 3-B- -
SM5UU.....6- 1- 2-B- 1
SM5CO.....3- 1- 1-B- -

Switzerland

HB9MU.....5600- 14-135-A-23
HB9MX.....3996- 18- 76-B- 1
HB9AT.....2652- 13- 68-A- 9
HB9CI.....2158- 13- 58-A- 7

Wales

GW3ZV.....51,016- 28-610-B-46

Yugoslavia

YU1AG.....5400- 18-100-A- -

NORTH AMERICA

Alaska

KL7WC.....27,300-28- 325-B-20
KL7APH.....2250- 9- 86-A-37

Bahamas

VP7NM.....86,448-48 -603-A-

Barbados

VP6AF.....5544-12- 154-A-14

Bermuda

VP9BF.....296,944-67-1479-A-60
VP9BDA (VP9 BC BD BG BI BJ D L X)
269,640-63-1455-B-90

Canal Zone

KZ5BS.....199,013-71- 937-A-51

Cayman Is.

VP5BH.....27,864-27- 344-A-26

(Continued on page 124)

Costa Rica

TI2TG.....140,296-52- 900-B-32

CubaCO2BM.....56,790-30- 631-A- -
CM7PT.....5148-13- 132-A- -**Greenland**

OX3UD.....6480-15- 144-A- -

Guantanamo Bay

KG4AF.....545,292-81-2244-C-67

MexicoXE2OK.....147,539-49-1011-B-48
XE1PJ.....5796-12- 161-A- 6**Nicaragua**

YN1AA.....66,385-55- 403-A-18

Puerto RicoKP4JE.....200,202-61-1094-B-42
KP4CC.....133,280-49- 915-B-44
KP4UB.....102,344-44- 780-B-34
W6DFY/KP4.....66,144-52- 424-A-32
W6RCB/KP4.....18,055-23- 265-B-35**Virgin Islands**KV4AA.....341,510-71-1608-C-52
KV4AQ.....291,028-62-1565-C-60**OCEANIA****Australia**VK2GW.....45,535-35- 435-A-51
VK2ADE.....20,860-28- 249-A- -
VK3XX.....20,007-27- 247-A-17
VK3AHH.....8925-25- 119-A-26
VK3XB.....5250-14- 126-A-18
VK3ANJ.....3672-17- 73-A-30
VK5JE.....2706-11- 82-A- -
VK5FO.....924-11- 28-A- 2
VK5LC.....144- 3- 16-A- -
VK2HZ.....84- 4- 7-A- -
VK7RT.....24- 2- 4-A- -**Canton Is**

KB6AY.....58,053-37- 523-B-26

HawaiiKH6MG.....339,552-72-1574-C-70
KH6IJ.....223,788-68-1097-C-51
KH6PM.....200,064-64-1042-B-53
KH6ER.....141,708-49- 964-C-53
KH6BW.....4032-18- 76-B-11
KH6ANK.....2717-19- 48-A-35**Marianas Is.**

KG6FAA.....24,120-24- 335-B- 9

New ZealandZL30A.....92,267-49- 633-A- -
ZL1MQ.....54,264-51- 355-A-30
ZL2GS.....38,232-36- 355-A-60
ZL3GQ.....32,682-39- 282-A- -
ZL1HY.....8148-28- 97-A- 6
ZL2MM.....4452-14- 106-A- -**Wake Island**

KW6BI.....14,722-17- 289-B-26

SOUTH AMERICA**Argentina**LU1EP.....117,044-58- 683-C-33
LU8AE.....84,105-45- 629-B-17
LU9AX.....54,604-44- 417-B- -
LU2GB.....15,960-24- 133-A- -**Bolivia**

CP1BX.....12,620-20- 211-A-11

BrazilPY4IE.....101,495-53- 642-B-54
PY2OE.....71,064-42- 564-B-38
PY1ADA.....58,338-42- 463-B-28
PY4AJD.....34,104-42- 275-B-25
PY3QX.....24,128-29- 280-A-27
PY6DU.....9570-29- 112-B- -
PY6AK.....4260-20- 73-C- -
PY4ABN.....525- 7- 25-A- -**Chile**CE3AG.....215,280-69-1040-C-46
CE6AB.....23,636-38- 210-B- -
CE1BD.....1287-13- 33-A- 8**Netherlands West Indies**PJ2AA.....62,976-41- 512-B-23
PJ2CB.....28,128-32- 293-A-11
PJ2AJ.....56- 4- 5-A- 1**Peru**

OA4N.....60,759-43- 477-B-25

UruguayCX7AC.....4746-14- 113-C- -
CX6AD.....2232-12- 62-A- -
CX1FB.....84- 4- 7-A- 1**Venezuela**YV5DE.....92,966-47- 661-A-52
YV5FH.....37,758-42- 301-B- 7
YV5BJ.....60- 3- 7-C- -

- 1 W4PNK, opr.
- 2 W3BES, opr.
- 3 Hq. staff, not eligible for award.
- 4 W6BIL, opr.
- 5 W3GRF, opr.
- 6 W6LHN, opr.
- 7 W0SZU, opr.

'PHONE SCORES**ATLANTIC DIVISION****E. Pennsylvania**W3DHM.....136,899-123-371-C-70
W3GHS.....72,518-101-240-B-48
W3KT.....50,922- 69-246-C-56
W3CTJ.....38,340- 71-180-C-26
W3NA.....34,569- 69-167-C-40
W3IMV.....29,835- 65-153-B-30
W3EQA.....24,522- 61-134-C-57
W3HFD.....18,984- 54-109-C-20
W3ALB.....17,013- 53-107-C-24
W3CUB.....13,440- 48- 95-C-23
W3DLR.....12,831- 47- 91-C-29
W3OJE.....6144- 32- 64-B-18
W3DPS.....4536- 27- 56-B-12
W3POB.....1656- 23- 24-B- 7
W3JBC.....969- 17- 19-C- -
W3QLW.....969- 17- 19-B-10
W3CHH.....330- 10- 11-B- -
W3GHD.....312- 8- 13-B- 5
W3EAN.....144- 6- 8-C- 3
W3LVF (W3s EKK ISE KDF)
108,570-110-329-C-80
W3CGS (W3GHD)
17,004- 52-109-C-36**Md.-Del.-D.C.**W3MSK.....124,254-117-356-C-80
W3DRD.....7560- 42- 60-B-30
W3GR.....6264- 36- 58-B-25
W3JTC.....2112- 22- 32-C-10
W3EQK.....1848- 22- 28-B-11
W3EIS.....429- 11- 13-B- 5
W3WV.....75- 5- 5-B- -
W3ZQ (W3VES)
28,609- 67-143-B-64**So. New Jersey**W2SAI¹.....171,235-115-498-C-80**W. New York**W2FBA.....13,674- 53- 86-C-20
W2UTH.....1944- 24- 27-B- 8
W2TXB.....855- 15- 19-C-11
W2MA.....504- 12- 14-C- -
W2ICE.....494- 13- 14-C- -
W2FZO (W2BEO).....5404- 28- 65-C-16**W. Pennsylvania**W3LXE.....23,058- 61-126-C-27
W3AER.....588- 14- 14-B- 5
W3VKD.....6- 1- 2-C- 1
W3NCP*.....3- 1- 1-A- -**CENTRAL DIVISION****Illinois**W9NDA.....53,133- 89-199-C-50
W9NII.....6732- 44- 51-B-43
K9FAJ².....2484- 27- 31-B-34
W9ABA.....108- 6- 6-C- 1
W9PKW (W9s GVZ NZM)
45,684- 81-192-C-84**Indiana**W9JIP.....11,718- 42- 93-B-58
W9EGQ.....437- 19- 21-B- -**Wisconsin**

W9EWC.....79,905-105-254-C-73

(Continued on page 126)

W9RBI.....10,260- 45- 76-B-14
 W9EZD.....9240- 44- 70-B-23
 W9FDX.....3900- 39- 52-B-15
 W9OMZ.....924- 22- 23-B- 8
 W9BVX.....561- 11- 17-C- -
 W9HMG.....390- 10- 13-B- -
 W9GIL.....84- 4- 7-B- -
 W9GWK.....12- 2- 2-B- 2
 W9HHX (W7MMI, W0CEO)
 5390- 35- 52-C-35

DAKOTA DIVISION

No. Dakota

W0BP0.....35- 3- 4-A- 5

So. Dakota

W0PRZ.....51,750- 90-191-C-50
 W0NGM.....5670- 35- 54-C- -

Minnesota

W0VIP.....4794- 34- 47-B-13

DELTA DIVISION

Louisiana

W5JUF.....57,368-101-190-B-70

Tennessee

W4DQH.....90,882- 99-308-C-65
 W4FKA.....4032- 32- 42-B-20

GREAT LAKES DIVISION

Kentucky

W4KZF.....5772- 37- 52-B-16
 W4OMW.....108- 6- 6-B- -

Michigan

W8VQD.....28,272- 62-152-C-30
 W8NGO (W8CLR) 62,775- 93-225-C- -
 W8DUS (W8s RAE UPN) 28,187- 72-133-C-60

Ohio

W8NKF.....56,742- 98-195-B-57
 W8ACE.....12,144- 46- 83-C-18
 W8AJW.....10,731- 49- 74-A- -
 W8JIN.....3441- 31- 37-C- 5
 W8BF.....330- 10- 11-C- 2
 W8PM.....32- 4- 4-B- 2
 W8JGU.....12- 2- 2-B- 1

HUDSON DIVISION

E. New York

W2ANB.....175- 7- 11-B- 3
 W2BTV.....3- 1- 1-C- -

N. Y. C.-L. I.

W2SKE.....113,918-103-372-C-70
 W2WZ.....67,284- 84-267-C-75
 W2BRV.....6612- 38- 58-B- -
 W2GSN.....4956- 28- 59-B- -
 W2BWC.....1701- 21- 27-B- 8

No. New Jersey

W2ATE.....4224- 32- 44-B-14
 W2EQS.....27- 3- 3-B- 2
 K2BCK.....12- 2- 2-B- 3

MIDWEST DIVISION

Iowa

W0NWX.....108- 6- 6-A-

Missouri

W0GEK*.....2210- 17- 44-B-18
 W0FLN (W9GNG, W0s AJE ETW) 27- 3- 3-B- 4

Nebraska

W0BBS.....10,293- 47- 73-C-28

NEW ENGLAND DIVISION

Connecticut

W1ATE.....189,114-129-490-C- -
 W1ODW.....3393- 29- 39-B-27
 W1MRJ.....2205- 21- 35-B-14
 W1QFQ.....1575- 21- 25-B-15

Maine

W1MCW.....55,420- 68-275-B-53

E. Massachusetts

W1PST.....5084- 31- 55-C-20
 W1MKW.....408- 8- 17-B-14

W. Massachusetts

W1ZD.....37,252- 67-186-C-48

New Hampshire

W1BFT.....30,240- 63-160-A- -

NORTHWESTERN DIVISION

Oregon

W7HIA.....33,600- 64-175-C-60
 W7LNG.....804- 12- 23-B-20
 W7GWE.....3- 1- 1-B- 1

Washington

W7DL.....25,200- 60-140-C- -
 W7HAD.....9207- 33- 93-C-35
 W7PQE.....6216- 28- 76-C-31

PACIFIC DIVISION

Santa Clara Valley

W6YX³.....45,150- 70-215-C-42
 W6ZZ.....12- 2- 2-B-

East Bay

W6VYZ.....58,824- 76-258-C- -
 W6PYH.....47,828- 77-208-C-40
 W6LDD.....8568- 34- 84-C-30
 W6GIZ.....4848- 16-101-C-18
 W6EJA.....810- 9- 25-A- 7
 W6KEK.....195- 5- 13-B- -

San Francisco

W6WB.....15,624- 42-124-C- -
 W6ATO.....3366- 22- 51-C-20
 W6GPB.....1008- 12- 28-B-14

San Joaquin Valley

W6MEL.....27,144- 52-174-C-45

ROANOKE DIVISION

North Carolina

W4GXB.....11,352- 44- 86-C- 9
 W4CEN.....2484- 23- 36-B- 6
 W4KE.....546- 13- 14-C- 4

Virginia

W4ESK.....198,720-139-480-C-80
 W4KWY.....93,318-103-302-C- -
 W4NTZ/4.....83,904- 92-304-C- -
 W4OM.....57,510- 90-213-C- -
 W4LIM.....5436- 36- 51-B- -
 W3GRF/4.....4620- 28- 55-C- -
 W4CC.....108- 6- 6-A- 4
 W4WAB.....75- 5- 5-B-

West Virginia

W8PQQ.....22,311- 67-111-C-44

ROCKY MOUNTAIN DIVISION

Colorado

W0NWW.....2106- 18- 39-B-

Utah

W7QDJ.....2- 1- 1-A-

SOUTHEASTERN DIVISION

Alabama

W4HA.....8640- 40- 72-C-20
 W4TKL.....240- 8- 10-B- -

E. Florida

W4EEO.....1071- 17- 21-B- 8
 W4TRA.....816- 12- 23-B- 8

W. Florida

W4AGB.....10,224- 48- 71-B-

Georgia

K4WAR⁴.....4056- 26- 52-C-17
 W4SCU.....858- 13- 22-A-11

SOUTHWESTERN DIVISION

Los Angeles

W6BJU.....10,101- 37- 91-C-27
 W6CYI.....9234- 38- 81-C-30
 W6NJU.....147- 7- 7-A-18
 W6GEB.....132- 4- 11-C- 3
 W6LTV*.....3- 1- 1-B- -
 W6YRA (W6s BHN ERN HOH) 1170- 13- 30-B-10

(Continued on page 128)

Arizona

W7PZ.....1680- 20- 28-B-20
 W7ENA.....9- 3- 3-A-2

San Diego

W6CHV.....9657- 37- 87-B-35
 W6CTP.....6090- 35- 58-C-14
 W6CAE.....3384- 24- 47-C-10

WEST GULF DIVISION**Northern Texas**

W5BGP.....79,596- 99-270-B-54
 W5DJH.....34,383- 73-157-B-62

Oklahoma

W5ALB.....4140- 23- 60-B-10

Southern Texas

W5KBP.....19,320- 60-108-C-48
 W5DML.....48- 4- 4-C-1

New Mexico

W5LGS.....5390- 35- 52-B-23

CANADIAN DIVISION**Maritime**

VE1PQ.....10,146- 38- 89-B-42
 VE1CM.....7854- 34- 79-B-20
 VO6N.....6030- 30- 67-A- -
 VE1CU.....2231- 23- 33-A-18
 VE1YT.....1584- 16- 33-A-13
 VO6U.....672- 14- 16-A- 6
 VE1EK.....550- 10- 19-A-11
 K1FBH/VO2.....270- 9- 10-B- -
 VO1D.....27- 3- 3-A- 1

Quebec

VE2AHE.....11,400- 38-100-B-22
 VE2IZ.....3159- 27- 39-B-24
 VE2WA.....2808- 24- 39-B- 9

Ontario

VE3KF.....50,358- 77-218-C-35
 VE3HJ.....336- 8- 14-B- 2

Manitoba

VE4RO.....40,375- 85-177-C-55
 VE4RP.....390- 10- 13-B-25

Saskatchewan

VE5GF.....378- 9- 14-B- 8

British Columbia

VE7VO.....26,730- 66-135-C-41
 VE7ZM.....897- 13- 23-B- 7

AFRICA**Algeria**

FA3JY.....432- 6- 24-A- -

Angola

CR6AI (CR6CM).....5852- 14-142-A-12

Madeira Is.

CT3AN.....891- 9- 33-A- 3

Union of South Africa

ZS6DW.....27,480- 40-229-A-

ASIA**Japan**

KA2IM⁵.....4446- 13-114-C-11

JA1AD.....240- 5- 16-A- 3
 KA2LG⁶.....153- 3- 17-C- -
 KA8AB (WØQDC).....2340- 10- 78-C- -

Turkey

TA3AA.....7560- 18-140-B-25

EUROPE**Belgium**

ON4RT.....504- 9- 19-A- -

Denmark

OZ7PH.....4095- 13-106-A-16
 OZ9R.....3468- 17- 68-C- -
 OZ1W.....12- 2- 2-A- 1
 OZ3EA (OZ6BC).....5418- 18-103-A-26

Eire

EI3Y.....6256- 17-126-B-35

England

G2PU.....24,708- 29-284-B-22
 G3DO.....3456- 16- 72-B- 8
 G3COJ.....3200- 25- 44-B- -

France

F9RM.....5508- 18-102-A- -
 F9NL.....2145- 13- 55-A-22
 F9ZO.....1296- 12- 36-A- -

Germany

DL4AY.....1536- 8- 64-B-10
 DL4OV⁷.....1440- 12- 40-B- -
 DL4LU.....1320- 11- 40-B-16

Italy

I1BDV.....9300- 20-155-A- -
 I1RL.....8436- 18-157-A-18

Netherlands

PAØBRG.....4528- 16- 95-A-23

Norway

LA4KD.....150- 6- 9-A- 3

Poland

SP9KKA.....168- 6- 10-A-

Portugal

CT1CL.....59,422- 37-543-A- -
 CT1QF.....21,204- 36-201-B-21
 CT1SQ.....11,388- 26-147-B-22
 CT1CD.....3250- 15- 73-A- -
 CT1ER.....936- 13- 24-A- -
 CT1BS (CT1BW).....68,921- 41-569-A- -

Spain

EA4DB.....22,113- 27-278-A-30
 EA4CX.....1650- 10- 55-A- 8
 EA4CK.....120- 4- 10-A- -

Sweden

SMSFA.....4320- 15- 96-B-16
 SM7VH.....711- 9- 23-A- -

Switzerland

HB9MX.....6624- 23- 99-B- 1

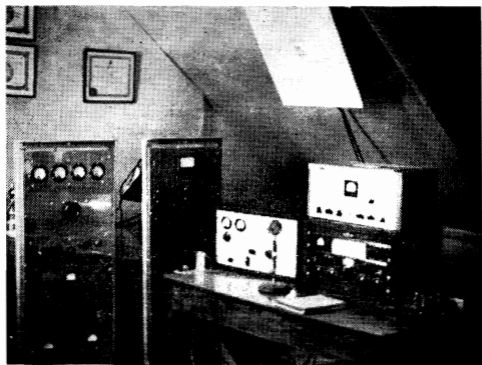
Trieste

I1CGU (I1BLF).....720- 8- 31-A- 9

NORTH AMERICA**Alaska**

KL7AON.....42,159- 39-365-B-35

(Continued on page 130)



VE3ZW didn't use that microphone in the contest, but his c.w. score of 119,196 was tops for Canada.

KL7ATN.....2145- 11- 65-A- 7
KL7WC.....1296- 12- 36-B- 3

Barbados

VP6SD.....155,935- 65-805-C-72

Bermuda

VP9BDA (VP9s AU AV AX BA BC BD
BE BG D G L)
178,974- 61-1009-B-96

Costa Rica

TI3LA.....11,058- 19-194-A- -

Guantanamo Bay

KG4AF.....13,130- 26-171-C- -

Mexico

XE2W.....28,428- 46-206-A- 8

Nicaragua

YN4CB.....16,713- 27-209-A- -

Panama

HP1BR.....6314- 22- 98-A-15

Virgin Islands

KV4BB.....176,080- 71-828-C-76

OCEANIA

Australia

VK4TN.....816- 8- 34-A-14
VK2JZ.....3- 1- 1-A- -

Hawaii

KH6MG.....72,270- 55-438-C-32
KH6PM.....34,830- 43-270-B-21
KH6IJ.....25,047- 33-253-C-14
KH6ER.....4524- 13-116-C- 5

New Zealand

ZL1MQ.....6561- 27- 81-A-13
ZL1HY.....3477- 19- 61-A- 6

SOUTH AMERICA

Argentina

LU1DDV.....21,252- 28-259-B-55

LU3PF.....6720- 14- 64-C- -
LU4DMG.....3360- 16- 71-B- -
LU5AR.....2640- 11- 80-B- -
LU2NC.....2412- 12- 67-A- -
LU9FAY*.....1392- 8- 58-A- -
LU9FP.....816- 8- 34-B- 2
LU9KE.....144- 6- 8-A- 2

Brazil

PY4VX.....9750- 25-130-A-20
PY4KL.....2310- 11- 70-B- -
PY4RJ.....2128- 14- 51-B- -
PY2AHS.....1600- 10- 54-C- 4
PY7GC.....48- 4- 4-B- -

British Guiana

VP3YG.....5992- 14-143-A-18
VP3HAG.....5068- 14-121-A-20

Chile

CE4BX*.....9178- 13-240-A-19
CE6AB.....696- 8- 29-B- -

Colombia

HK1FE.....1368- 9- 52-A- 6

Ecuador

HC2OL.....5796- 21- 92-B- 3

Neth. West Indies

PJ2AA.....22,194- 27-274-B-23

Peru

OA4V.....8848- 16-165-B-14

Uruguay

CX3BT*.....1232- 8- 52-A-16
CX7BA*.....756- 9- 28-A-15

Venezuela

YV5DE.....1308- 12- 37-A-10

- 1 W3BES, opr.
- 2 W2VGQ, opr.
- 3 W6VUW, opr.
- 4 W5LPG, opr.
- 5 W5IZN, opr.
- 6 W6SZU, opr.
- 7 DL4BM, opr.