

Phone Section Results

CQ's 1952 DX CONTEST

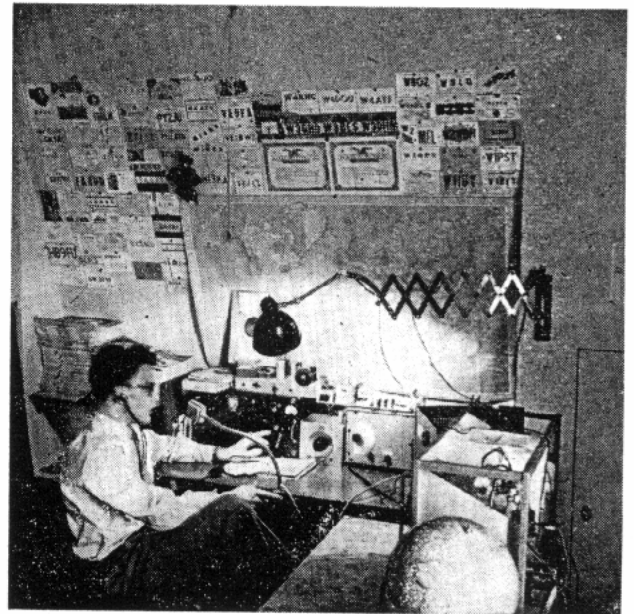
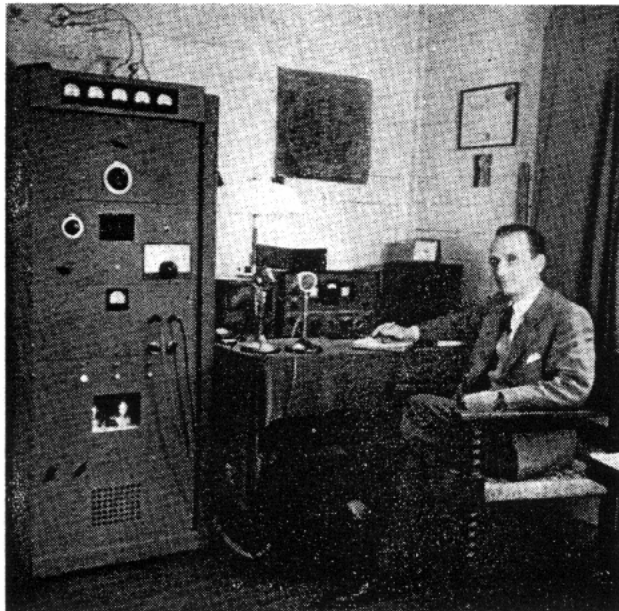
HERB BECKER, W6QD

Contributing Editor, CQ

The final results of the 1952 CQ World Wide DX Contest (Phone Section) are in the following columns. Results of the CW Section will be run next month. Judging from the comments on the logs turned in it appears that the boys really like this type of a contest. Naturally, we get various and sundry suggestions toward making some minor changes here and there. Some ask about shortening each period to 24 hours while others would like it on weekends that might be more favorable in respect to band conditions. However, a majority feel that a 48-hour session is not too long, especially when the first day might prove a flop, whereas the next day conditions might be better. Actually, that is the way it has worked out in several contests. On this business of different weekends . . . we might like to change the dates, too, but unfortunately the world calendar of Ham contests is so filled that what few "open dates" remain would be of no use considering. We cannot just pick out what we

would think to be the ideal dates because we would be infringing on another DX contests of some kind.

A few random comments picked from the logs: ZL2GX operating aids . . . tea, many cups full supplied by the XYL. QRM . . . visitors who "demanded" my company for two hours. EA8AX; "I like the World Wide Contest. Please send me log sheets for next year and if I am in the "world" I take part. Hi." ZS1KW; "would have spent more time but had to go to church and take the YL to the pictures." W1ATE; "very good contest, 75 meters better than last year." W4KE; "even this was fun which is saying a lot for a CW man. Hi." W7LVI; "my first contest and sure enjoyed it. Won't miss the next for anything." OK1MB; "Kindly send awards for first place on each band and also first place on all bands—thanks." SP5KAB; "this type of contest is the great thing on the way to international friendship and brotherhood." W6PWR op-

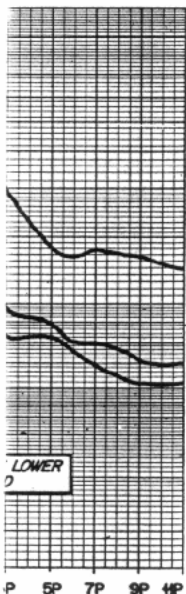


CE3CZ chalked up 245,769 for an all-band total. He runs 550 watts to a Philips QB-3.5/750 (equivalent of 4-250A), modulated by 100TH's. The HQ-129X shown in the photo has since been replaced by a Collins 75A-2. Antennas are 3-element rotaries for 10 and 20 meters, a fixed X-H array 80 feet high aimed on Europe for 21 Mc. and a 40-meter longwire for 40 and 80 meters . . . HB9MS rolled up a score of 173,442 points on all bands. It took 363 QSO's to do it. The shack had three receivers; a British Commander, an NC-200 and a converted BC-342. Several final p.a.s were used with 304TLS, 4-125As and a single 813. For antennas a 3-element beam was used on 20, a cubicle quad on 10, a ground plane on 75. The same antenna, without radials, was used on 40.

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4X4DF was another high scorer, with an all-band total of 137,685. His transmitter is VFO-controlled with an 807 final, running 60 watts, and his receivers are an HQ-129X and a BC-342N. His antenna setup includes a long wire on 80 and 40, a Windom and a half-wave dipole for 20, for 15 a dipole, and for 10 a three-wire folded dipole. He expects to have a new 2-meter transmitter on the air shortly . . . W1ATE scored 131,930 points on all bands. Chad has three p.p. finals, 250TH's for 20 and 15, 4-250A's for 10 meters, and 250TH's for 40 and 80. Receivers are 75A2 and 75A3. The antennas at W1ATE are always changing but all of them are over 100 feet in the air. Latest are 3 wide spaced 4-element Yagis for 10, 15, and 20. On 40 a 3-element medium spaced rotary does it while a vertical half wave beam fills the bill on 80.

erating aid. . . "no doze" pills and "friends" who drop in to see how the contest is going. W9NDA; "first CQ contest . . . it's really rough. VE2IZ; "some U. S. stations don't know they can work Canadians. It is very funny sometimes." (This is very true. Many W's do not realize they can pick up 1 point per VE QSO. . . QD).

A few station photos are shown, but I would like to mention that this does not mean these are the only stations in the contest worth publicizing. Of course, it's impossible to show you all the high ones, but some of these haven't been seen before.

Multiple operator stations: W6AM, assisted by W6GFE, W6BXL and W6KPC, had fun in scoring 61,270 on all bands. However, W6NIG assisted by W6RRG and W6HNX gave him a close run with 60,762. It is interesting to see that NIG had 27,650 on 20 where AM had 22,010. On the other hand AM had better distributed points thus bringing him out ahead in the all band score. W8NGO with W8CLR ran up 26,602 while W8DUS with W8UP and W8RAE scored 12,136. Another close one was between OZ9WS and OZ7SM. 9WS assisted by 4KX and 2PA had an all band total of 48,512 against 45,889 for 7SM who was helped by 7BG. Here again we see 7SM topping 9WS on 20 with 18,240 to 14,030. By looking at the tabulation you will see they both had the same number of zones and countries on 20, but

7SM had more contacts. KA2OM, helped by W0CWX, did a good job in running an all band score of 90,545 points.

Single operator stations: W1ATE was way out in front in USA with an all band score of 131,930. . . on 20 he scored 65,920. Look at these three single-band 14 mc. scores . . . W6PWR 29,475, W6VVZ 28,875, W6UYX 28,832. VP6SU went to town as usual and his points added up to 188,736. We can't overlook the 245,769 points of CE3CZ nor the closeness of the scores of YV5BZ 61,944 and YV5AB 60,802. ON4SZ was the only one from Belgium to show up with a log. . . his showed 60,363. Although CT1CL had an all band score of 106,665 we shouldn't overlook CT1BK with 56,516. ZS6TE came up with an all band score of 130,799 but ZS6TW concentrated on 20 only and wound up with a tremendous 139,764 for this one band. Another good score was that of 4X4DF with 137,685. It was good to see stations get on such as ZC4XP, CZ6UNI, OD5AD, ZK2AA, 5A2TO, VQ3BU, CT3AN, EA9AR, I1YAK, EA6AR and a flock of others who all helped make the contest a lot of fun.

Countries in which there has been only one participant will show the score under the All-Band section only. Certificates will be awarded in accordance with the Contest rules, and those stations receiving certificates are shown in bold face type.

Multiple Operator Stations

Scoring method: From left to right—station-zones-countries-total score.

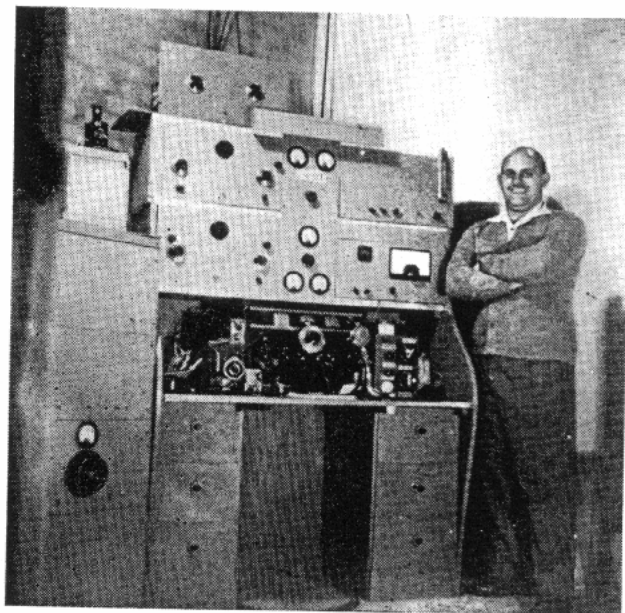
United States				Angola			
All Bands	W6AM	43—67—	61,270	All Bands	W8DUS	3—3—	42
	(W6GFE, W6BXL & W6KPC)				W8NGO	4—4—	40
	W6NIG	44—70—	60,762		W8NGO	23—44—	17,018
	(W6RRG, W6HNX)				W8DUS	18—38—	5,355
28 Mc.	W6HOH	35—52—	37,584	W8DUS	9—15—	864	
	(W6CCP, W6RBW)			W8NGO	8—11—	456	
				W9DWD	21—40—	8,540	
3.5 Mc.	W6AM	6—5—	176	(W9GEM, W9DDP, W9MYC & W9JJ0)			
	W6NIG	5—4—	144	All Bands	CR6BX	28—58—	33,024
	W6HOH	4—3—	91		(CR6CB)		
14 Mc.	W6NIG	24—46—	27,650				
	W6AM	21—41—	22,010				
	W6HOH	20—35—	17,600				
28 Mc.	W6YX	24—34—	11,774				
	(W6VUW, IBY, OOU, JUU)						
	W6AM	16—21—	6,882				
All Bands	W6NIG	15—20—	4,270				
	W6HOH	11—14—	2,475				
	W8NGO	35—59—	26,602				
All Bands	(W8CLR)						
	W8DUS	31—51—	12,136				
	(W8UP & W8RAE)						

Multiple Operator Stations

Austria 14 Mc. OE13HP 17-42- 12,980 (OE13AB, TM, RN)	14 Mc. G3HDA 2-8- 100 G5TN 22-53- 26,775 G3HDA 9-27- 4,212	7 Mc. SP9KKA 3-4- 56 14 Mc. SPSKAB 6-22- 2,352 (SAX, SAR) SP9KKA 9-18- 1,620
Bermuda All Bands VP9BG(2) 21-31- 17,600	Eritrea All Bands MI3BL 23-51- 29,600 (MI3NA & MI3JV)	Portugal All Bands CT1BS 56-135- 95,882 (1BW) CT1FM 37-97- 70,484 (INT, 1DX)
Denmark All Bands OZ9WS 37-91- 48,512 (OZ4KX, OZ2PA) OX7SM 32-77- 45,889 (OZ7BG) 32-77- 45,889	Finland All Bands OH3OX 14-43- 8,537 (OH3QB, OH3QL, OH3QM & OH3QP)	3.5 Mc. CT1BS 7-22- 1,711 CT1FM 3-14- 374
3.5 Mc. OZ7SM 4-17- 1,281 OZ9WS 3-17- 960	Germany All Bands DL9CI 23-61- 24,612 (DL1CR & DL9GG)	7 Mc. CT1BS 11-35- 4,416 CT1FM 6-18- 984
7 Mc. OZ9WS 4-15- 684 OZ7SM 2-9- 110	Guatemala All Bands TG9AD 38-55- 41,385 (TG9HM)	14 Mc. CT1IEY 22-55- 29,799 (1YE)
14 Mc. OZ7SM 19-41- 18,240 OZ9WS 19-41- 14,030	14 Mc. TG9FB(2) 14-21- 10,184 TG9AD 14-25- 8,056	28 Mc. CT1FM 15-45- 22,620 CT1BS 22-48- 16,870 CT1BS 16-30- 4,876 CT1FM 10-14- 1,104
21 Mc. OZ9WS 4-6- 190 OZ7SM 1-1- 6	Italy All Bands I1BDV 50-104- 70,996 (I1ARP, I1RP)	Turkey TA3AA (W6OME, W1VQG) 40-116-226,512
28 Mc. OZ9WS 7-12- 874 OZ7SM 6-9- 645	Japan All Bands KA2OM 30-61- 90,545 (W0CWX)	Uruguay All Bands CX6AR 8-8- 1,320 (7AR)
England All Bands G5TN 29-90- 50,575 (G3AWZ) G3HDA 17-47- 9,280 (G3HCT)	Poland All Bands SP9KKA 12-24- 2,448 (9KY, 9KC)	

Multiple Operator Stations
North America

U.S.A. All Bands W1ATE 50-117-131,930	All Bands W4HA 14-30- 3,564 W4KE 6-8- 252 W5LFG 22-32- 5,454 W5BMM 7-11- 396	14 Mc. W6PWR 26-49- 29,475 W6VVZ 24-51- 28,875 W6UYX 23-45- 28,832 W6YY 21-45- 17,028 W6IBD 20-31- 13,974 W6SRF 19-35- 11,610 W6BJU 17-26- 7,052 W6CHV 18-25- 4,902 W6DRR 18-22- 4,160 W6ATO 12-15- 1,377 W6LMZ 7-7- 294 W6BYH 3-3- 27
3.5 Mc. W1ATE 8-15- 989	14 Mc. W5RPJ 13-22- 2,135 W5FNA 5-9- 196 W5BMM 4-8- 180 W5LFG 6-8- 168	28 Mc. W6JDO 12-15- 2,595 W6SRF 12-18- 2,280 W6CHV 10-10- 740 W6DRR 4-5- 162 W6BJU 4-4- 104 W6NJU 2-2- 15
14 Mc. W1ATE 27-76- 65,920 W1KSK 15-18- 288	28 Mc. W5LFG 16-24- 3,560 W5SFW 13-18- 2,325 W6SRF 31-53- 24,444 W6IBD 24-35- 16,992 W6CHV 31-38- 10,695 W6BJU 24-33- 10,260 W6DRR 22-27- 5,782	
28 Mc. W1ATE 15-26- 4,387	All Bands W6SRF 31-53- 24,444 W6IBD 24-35- 16,992 W6CHV 31-38- 10,695 W6BJU 24-33- 10,260 W6DRR 22-27- 5,782	
All Bands W2FZJ 18-27- 3,690	3.5 Mc. W6IBD 4-4- 112 W6CHV 3-3- 24 W6BJU 3-3- 18	
3.5 Mc. W2FZJ 3-5- 208		
14 Mc. W2ICE 4-6- 121		
14 Mc. W2SKE 23-49- 26,612 W2FZJ 9-17- 1,118		
All Bands W3LXE 27-50- 15,246 W3ZQ 21-39- 8,340		
14 Mc. W3ZQ 20-38- 8,004 W3LXE 15-36- 7,395		
28 Mc. W3LXE 7-9- 640 W3ZQ 1-1- 2		
14 Mc. W4DOH 23-48- 23,359		



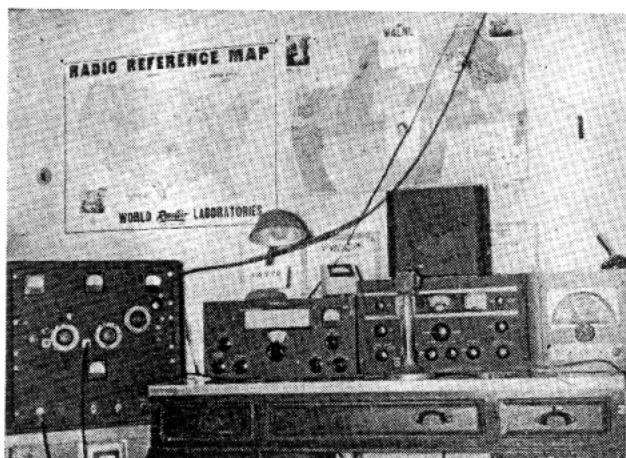
ZS6TE made 130,799 points on all bands. Receiver is an AR-88 and the rig uses a pair of T-55's on all bands except 21 Mc., where an 814 does the job. In the antenna department he has 3-element arrays for 10 and 20, with dipoles used on 40 and 80. The 10 meter all driven array is used on 11 and 15 meters . . . CTICL wound up with 106,665 points and made 290 contacts. The station is about a half mile from the Atlantic and has good height. He runs about 50 watts into an 807. The receiver is an SX-28 while the antennas consist of 3-element rotary arrays for 10 and 20 and a 134-foot wire for 40 and 75.

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5A2TO did a good job in running up 101,115 points with 448 QSO's. He runs 150 watts into an 813; receiver is an AR-88 with a 3 element wide spaced beam being used on 20 and a folded dipole on 10 . . . KA2OM (to the rear) ran up 90,545 points, mostly on 20 meters. He was assisted by W0CWX. They use p.p.par. 813's with a kw. input. Receiver is a 75A2 and the antenna is a 3-element rotary, 97 feet high. KA2OM (W5MIJ) will be back at his old home stand by the time you read this.

Single Operator Stations

North America			South America			Europe				
All Bands	W7DL	30-53-25,315	14 Mc.	VE3RM	10-22-2,208	CE1AJ	20-23-14,416	Curacao	PJ2AA	12-32-16,896
	W7HAD	24-32-12,152	All Bands	VE3API	3-3-30	CE4BX	14-18-7,648	14 Mc.		
3.5 Mc.	W7PQE	21-23-4,620	14 Mc.	VE5DR	13-13-988			All Bands	CX3BH	50-69-42,602
	W7DL	7-6-221		VE7VO	27-45-19,700			3.5 Mc.	CX3BH	2-3-10
	W7HAD	6-5-220	21 Mc.	VE7AIH	11-13-1,560			7 Mc.	CX3BH	2-3-10
	W7PQE	4-4-64	28 Mc.	VE7VO	22-41-15,246			14 Mc.	CX3BH	18-26-5,544
14 Mc.	W7GUI	24-54-25,740	Alaska	VE7AIH	4-6-160			21 Mc.	CX3BH	10-11-567
	W7DL	23-47-20,160	14 Mc.	VE7AIH	7-7-686			28 Mc.	CX3BH	18-26-8,844
	W7LVI	24-46-17,080		VE7MS	10-12-1,364				CX5CE	9-9-738
	W7HAD	18-27-8,865	Cuba						CX3BT	5-4-99
	W7JUO	17-21-2,736	All Bands	KL7AFR	16-36-14,560	Venezuela				
	W7PQE	11-14-2,100	14 Mc.	KL7AON	11-14-3,575	All Bands	YV5BZ	33-56-61,944		
28 Mc.	W7AHX	12-13-1,325				7 Mc.	YV5AB	37-64-60,802		
	W7PQE	6-5-143	3.5 Mc.	C020Z	40-66-44,308	14 Mc.	YV5AB	4-4-56		
All Bands	W8NXF	40-69-25,506	7 Mc.	C020Z	3-3-36		YV5BZ	21-47-41,412		
	W8FJR	15-26-1,886	14 Mc.	C020Z	7-9-368		YV5AB	21-44-34,905		
14 Mc.	W8RHP	26-60-22,446	28 Mc.	C02KC	12-13-975		YV5AB	10-14-1,392		
	W8LIO	24-52-21,204		C020Z	10-11-840		YV5BZ	10-7-1,479		
	W8NXF	20-42-9,362								
	W8VQD	14-20-1,564								
	W8FJR	9-20-1,102	Barbados	VP6SD	59-133-188,736					
28 Mc.	W8NXF	15-22-2,738	All Bands	KG4AF	13-22-3,990	Austria	OE13AAP	17-42-12,980		
	W8FJR	5-5-80	Guantanamo Bay			14 Mc.	EAGAR	5-16-1,092		
All Bands	W9EWC	41-69-28,710	14 Mc.			Balearic Islands				
	W9NDA	34-58-24,748	Mexico	XE1TR	11-15-2,604	14 Mc.				
	W9EZD	31-55-16,770	14 Mc.			Belgium	ON4SZ	48-123-60,363		
	W9ABA	11-18-1,073	Panama	HP1TS	17-34-14,790	All Bands				
3.5 Mc.	W9NDA	7-7-448	14 Mc.			Czechoslovakia	OK1MB	30-80-37,296		
	W9EDC	6-7-260	Argentina	LU1BK	19-26-8,100	All Bands	OK1HI	23-76-30,789		
	W9EZD	2-2-36	28 Mc.			3.5 Mc.	OK1MB	5-20-2,080		
14 Mc.	W9NDA	27-51-18,486	Brazil			7 Mc.	OK1HI	3-17-1,120		
	W9EWC	22-43-10,787	All Bands	PY2AHS	41-74-46,805		OK1HI	4-18-704		
	W9EZD	18-36-6,426		PY4CB	40-63-31,518		OK1MB	4-10-322		
	W9FDX	11-20-2,077		PY4RJ	28-53-22,761		OK1HI	15-40-12,265		
	W9ABA	8-15-552		PY1AQT	23-65-21,120		OK1MB	12-36-8,880		
28 Mc.	W9EWC	13-17-2,400	14 Mc.	PY4CB	25-44-18,216		OK1MB	9-14-1,104		
	W9EZD	11-17-1,876		PY1AQT	21-44-13,260					
	W9ABA	3-3-78		PY2AHS	22-35-12,711					
All Bands	W0DCB	29-38-6,834		PY4RJ	18-38-12,152	Denmark	OZ5KP	17-27-3,784		
14 Mc.	W0ANE	19-29-4,660	21 Mc.	PY4RJ	10-15-1,625	All Bands	OZ3XP	9-25-2,040		
	W0MCX	16-27-4,214		PY1AQT	9-14-823		OZ9BR	5-27-1,472		
	W0DCB	14-24-2,470		PY2AHS	19-39-10,672		OZ9BR	2-10-440		
28 Mc.	W0GEK	15-32-6,768	28 Mc.	PY4CB	15-19-1,423		OZ5KP	3-8-165		
	W0DCB	12-12-864		PY2AUC	7-9-592		OZ9BR	1-7-70		
	W0BPO	7-10-680					OZ7HT	17-46-16,443		
Canada			Chile				OZ8AJ	12-34-6,384		
All Bands	VE1CR	18-36-10,638	All Bands	CE3CZ	65-118-245,769		OZ3XP	6-17-1,035		
	VE2IZ	18-28-6,026		CE6AE	27-33-18,060		OZ5KP	9-12-696		
3.5 Mc.	VE2IZ	3-3-138	14 Mc.	CE3CZ	24-51-56,250		OZ9BR	2-10-280		
14 Mc.	VE2IZ	15-25-4,320		CE3CK	19-31-16,150		OZ5KP	1-1-6		
	VE2CK	16-28-3,696		CE6AB	14-15-2,030		OZ5KP	7-14-1,050		
All Bands	VE3KF	33-68-37,875	28 Mc.	CE3CZ	22-43-34,190		OZ7I	3-4-126		
14 Mc.	VE3KF	23-53-23,104		CE6AB	13-18-18,060					

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Single Operator Stations

Europe

England			
14 Mc.	G3GNC	20-40	9,720
	G3FXB	13-31	6,336
	G2MI	14-31	5,895
	G3HTW	3-10	403
Finland			
All Bands	OH5NQ	26-61	16,182
3.5 Mc.	OH3NY	2-7	108
	OH5NQ	3-8	99
7 Mc.	OH5NQ	4-8	216
14 Mc.	OH5NQ	11-35	5,934
	OH1OW	7-17	1,392
28 Mc.	OH5NQ	8-10	540
France			
All Bands	F9RM	39-91	47,320
	F8XP	25-48	10,512
	F8PQ	23-36	5,782
	F3TS	13-15	1,482
	F3PW	13-16	1,392
	F3YE	12-13	1,375
	F8HR	11-11	506
	F8BO	2-7	117
3.5 Mc.	F9RM	4-19	1,725
	F8BO	1-5	42
	F8PQ	1-1	2
7 Mc.	F9RM	4-11	375
	F8PQ	2-3	15
14 Mc.	F9RM	23-50	17,447
	F8PQ	10-19	1,566
	F8XP	5-17	1,100
	F3ES	6-9	420
	F3YE	4-5	261
	F3TZ	3-9	168
	F3TS	4-4	64
	F8HR	3-3	27
21 Mc.	F3PW	6-8	350
	F8HR	8-8	320
	F3TS	6-7	273
	F8XP	6-7	208
	F3YE	6-6	192
	F9RM	4-7	176
	F8BO	1-2	18
28 Mc.	F8XP	14-24	2,964
	F8PQ	10-13	920

Germany

All Bands	DL1VR	51-123	68,382
	DL1LH	36-85	37,994
	DL1FI	36-89	35,000
	DL1EI	39-82	27,709
3.5 Mc.	DL1VR	3-15	522
	DL1FI	3-14	442
	DL1LH	2-14	416
7 Mc.	DL1VR	3-17	580
	DL1FI	2-12	294
14 Mc.	DL4EA	30-78	56,376
	DL1VR	21-52	14,746
	DL1FI	19-46	12,480
	DL1LH	17-35	8,112
	DL6WD	5-14	513
21 Mc.	DL1VR	12-18	1,740
	DL1LH	6-11	493
	DL1FI	6-10	384
28 Mc.	DL1LH	10-21	3,069
	DL1VR	12-21	2,475
	DL1FI	6-7	221
	DL1YA	2-2	12

Iceland

14 Mc.	TF5SV	6-21	3,996
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Italy

All Bands	I1AMU	35-89	36,828
	I1BKF	26-75	23,937
3.5 Mc.	I1AMU	2-4	18
	I1BKF	4-14	524
7 Mc.	I1AMU	3-13	432
	I1SXZ	1-2	9
14 Mc.	I1AMU	13-44	10,716
	I1CSP	10-28	5,472
	I1BKF	6-31	4,625
	I1CCO	8-24	2,668
	I1CVV	5-20	1,100
	I1SXZ	4-6	12
21 Mc.	I1BKF	7-17	1,224
	I1AMU	8-15	943
28 Mc.	I1SXZ	13-22	2,310
	I1AMU	9-13	836
	I1BKF	8-12	660

Malta

All Bands	ZB1KA	6-16	546
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Netherlands

All Bands	PA0VB	22-57	13,551
	PA0GMU	9-35	4,708
	PA0ALO	10-13	805
	PA0HJK	10-12	506
	PA0KE	5-10	480
3.5 Mc.	PA0VB	3-14	595
	PA0HJK	4-4	64
	PA0GMU	1-5	42
	PA0KE	1-1	2
	PA0KDM	1-1	2
7 Mc.	PA0VB	3-11	280
	PA0GMU	2-9	154
	PA0EEM	1-6	56
	PA0HJK	3-4	35
14 Mc.	PA0UV	14-24	3,382
	PA0VB	10-24	3,366
	PA0GMU	6-21	2,322
	PA0RE	7-18	1,448
	PA0KE	4-9	403
	PA0GWB	4-8	252
	PA0ALO	4-4	80
21 Mc.	PA0VB	6-8	110
	PA0ALO	3-4	84
	PA0HJK	3-4	70
28 Mc.	PA0ALO	3-5	104

North Ireland

All Bands	G1SHZ	13-25	2,926
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Norway

All Bands	LA4DD	11-35	4,002
3.5 Mc.	LAGFA	1-2	6
7 Mc.	LA4DD	5-12	391
14 Mc.	LA4DD	6-23	1,856
	LAGFA	2-10	444

Poland

14 Mc.	SP5AB	7-20	3,996
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Portugal

All Bands	CT1CL	52-123	106,665
	CT1PK	43-98	56,516
	CT1MB	18-38	6,496
	CT1ST	16-38	3,496
3.5 Mc.	CT1CL	5-19	960
	CT1PK	3-11	280
	CT1ST	1-2	8
7 Mc.	CT1CL	5-11	496
	CT1PK	5-10	374
	CT1ST	2-2	16
	CT1MB	1-4	15

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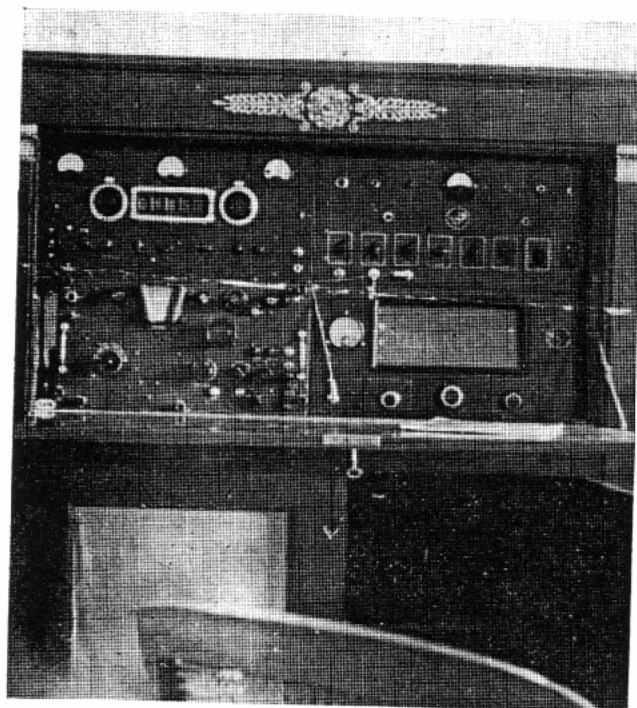
- 14,416
- 7,648
- 16,896
- 42,602
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- 5,544
- 567
- 8,844
- 738
- 99
- 61,944
- 60,802
- 56
- 41,412
- 34,935
- 1,392
- 1,479

- 12,980
- 1,092
- 60,363
- 37,296
- 30,789
- 2,080
- 1,120
- 704
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- 12,265
- 8,880
- 1,104

- 3,784
- 2,040
- 1,472
- 440
- 165
- 70
- 16,443
- 6,384
- 1,035
- 696
- 280
- 6
- 1,050
- 126



EA4CM attained a score of 88,862 on all bands. His equipment, which is totally home constructed, consists of a 150-watt transmitter with an 813 final, and a double-conversion 16-tube receiver. For antennas he uses a folded dipole on 7 and 21 Mc., and a three-element rotary beam for 14 Mc. . . . YV5BZ scored 61,944 on all bands. Rig winds up with a pair of 813's with 500 watts input. Receiver is an HQ-129X. A 3-element close spaced rotary is used on 20; whip folded dipoles do the job on 10 and 40.



ON4SZ ran up 60,363 points. He runs 75 watts into an LS50 and the receiver is a BC342N with two crystal converters for 21 Mc. For antennas three long wires do a good job for him. ZL2GX surprised himself by scoring 45,122 points on one band, 14 Mc. Jock runs 100 watts into a 100TH. Receiver is homebuilt dual conversion job and a Q5-er. The antennas (2) are twin-three beams which were described in Radio some time ago but obviously still do a mighty fine job.

Multiple Operator Stations

Europe			Switzerland			Libya		
14 Mc.	CT1CL	24-58-32,226	28 Mc.	SM5ARL	12-34-8,280	28 Mc.	CR6AI	19-33-13,936
	CT1JM	18-44-33,146		SM5TF	13-31-6,408		CR6AG	9-23-5,952
	CT1PK	17-46-14,366		SM4BTF	10-27-4,662	Canary Island	EABAX	11-15-2,912
	CT1ST	7-19-1,352		SM3AXX	12-31-4,257	All Bands		
	CT1MB	5-16-756		SM5WJ	13-20-2,607	Cape Verde Islands	CR4AC	18-28-9,982
28 Mc.	CT1CL	18-35-7,685		SM7TQ	11-20-2,015	All Bands	CR4AC	1-2-45
	CT1PK	18-31-6,468		SM3AV	5-16-1,071	7 Mc.	CR4AI	10-23-4,884
	CT1MB	12-18-2,310		SM4PG	8-13-567	14 Mc.	CR4AC	7-6-520
	CT1ST	6-11-476	28 Mc.	SM5PW	2-2-16	28 Mc.	CR4AC	10-20-4,860
Saarland	9S4AX	9-33-3,134	All Bands	SM5ARL	3-3-36	Madeira Island	SA2TO	37-68-101,115
All Bands						All Bands	CT3AN	28-32-6,389
Scotland	GM2DBX	15-45-11,220	3.5 Mc.	HB9MS	25-109-3,597	Mozambique	CR7AF	15-25-2,600
All Bands	GM2DBX	1-10-209		HB9LA	6-18-1,296	All Bands	CR7AR	9-9-738
7 Mc.	GM2DBX	14-35-8,232	7 Mc.	HB9LA	9-23-1,432	14 Mc.	CR7AF	5-10-285
14 Mc.	GM3CSM	4-4-80		HB9MS	5-21-1,118	28 Mc.	CR7AF	10-15-1,150
28 Mc.			14 Mc.	HB9MS	26-74-56,100	South Rhodesia	ZE3JO	10-14-840
Spain	EA4CM	49-108-88,862		HB9LA	23-59-18,368	All Bands	EA9AR	20-40-15,240
All Bands	EA5AQ	4-13-357	21 Mc.	HB9MU	7-21-1,260	Spanish Morocco		
7 Mc.	EA4CM	6-15-887		HB9LA	9-18-1,512	All Bands		
	EA5AQ	2-2-16	28 Mc.	HB9MS	7-10-408	Swaziland	ZS7C	34-66-41,800
14 Mc.	EA4CM	19-51-17,710		HB9MS	11-24-3,010	All Bands		
	EA5BD	4-20-1,920	Trieste	HB9LA	10-14-912	Tanganika	VQ3BU	34-69-58,607
	EA5AQ	2-11-221	All Bands	I1YAK	38-78-38,976	All Bands		
21 Mc.	EA4CM	9-16-1,700	Yugoslavia	YU2CF	15-34-4,606	Union of South Africa	ZS6TE	44-95-130,799
28 Mc.	EA4CM	15-26-6,478	All Bands	YU2CF	8-19-1,566	All Bands	ZS1MP	37-67-61,880
	EA3GT	4-5-171	14 Mc.	YU1AG	3-16-1,484		ZS1KW	38-61-43,362
Sweden	SM5ARL	19-60-18,486	Africa			14 Mc.	ZS6BW	31-83-139,764
All Bands	SM4BTF	14-40-8,046					ZS6TE	27-58-43,845
3.5 Mc.	SM5ARL	2-15-595	Algeria	FA3JY	18-40-15,602	28 Mc.	ZS1KW	23-34-10,545
	SM4BTF	2-8-160	14 Mc.	FA9UO	6-20-2,652		ZS1MP	16-29-10,485
	SM5GR	3-5-88		FA9RZ	7-16-1,866		ZS6TE	16-35-21,585
7 Mc.	SM5ARL	2-8-130	21 Mc.				ZS1MP	19-35-19,491
	SM4BTF	2-5-49	Angola	CR6AI	40-72-55,664		ZS1KW	15-27-10,626
	SM7AKO	1-3-16	All Bands	CR6AG	20-42-15,934			
14 Mc.	SM5FA	24-53-34,034	14 Mc.	CR6AI	21-39-13,740			
	SM5BCO	23-46-16,836		CR6AG	11-19-2,130			
	SM5WL	26-49-14,325						
	SM3EP	17-39-10,980						

(Continued on page 61)

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cycle which began in 1944. Since 1948, sunspot activity has been steadily declining. The dashed continuation of the graph, starting with September, 1952, is a prediction of the remainder of the present solar cycle. Since little is actually known about the theory or origin of sunspots, it is not possible to know *exactly* what laws or behavior patterns sunspots will follow. This prediction, therefore must be based upon certain estimates derived from studies of the behavior of the previous ten cycles. Based upon this prediction, there is less than a year and a half remaining before the minimum is reached, during the Winter of 1954-1955.

We have already shown that a relationship exists between sunspot activity and usable frequencies for a specific circuit. To determine to what extent DX conditions will be affected by the continued decrease in solar activity, it is necessary to analyze certain frequency data already recorded during the present cycle. *Figure 7* is a circuit analysis curve for an East Coast, U.S.A. to Western Europe path. During peak sunspot activity (smoothed sunspot number 150), the monthly median value of MUF for December, was approximately 45 Mc. Since daily variations of up to 15% from the monthly median values of MUF are not uncommon, this would indicate that trans-Atlantic openings on the amateur six-meter band might be expected on some days. Actually, this was the case as during December, 1947, trans-Atlantic six-meter openings were reported for this circuit. As solar activity decreased, the value of the maximum usable frequencies on this circuit also decreased. This past December, when the smoothed sunspot number was calculated to be about 27, the monthly median value of MUF had dropped well below 28 Mc., and the ten-meter amateur band did not open for this circuit. As solar activity continues to decrease, so will the value of MUF decrease. Conditions on all circuits are similarly affected.

End of part I. Part II will be featured in August.

DX CONTEST RESULTS

(from page 24)

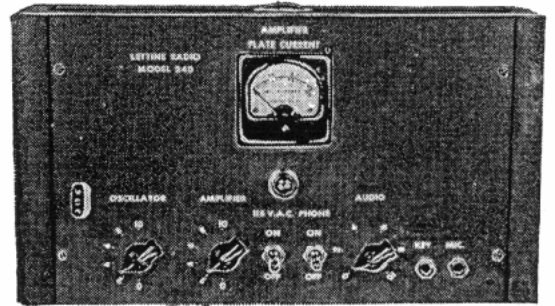
Asia

Cyprus	All Bands	4X4XP	19—51—	23,310
Israel	All Bands	4XDF	37—100—	137,685
		4X4B0	13—34—	12,784
	14 Mc.	4X4DF	14—44—	31,842
		4X4B0	11—31—	10,920
	21 Mc.	4X4DF	6—12—	1,476
		4X4B0	2—3—	60
Lebanon	All Bands	ODSAD	28—71—	39,188

(Continued on page 62)

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CONTACT SWITCH ASSEMBLIES			
CAT. NO.	TYPE	COMBINATION	
200-1	Standard 8 amps	Single Pole	Double Throw
200-2	Standard 8 amps	Double Pole	Double Throw
200-3	Standard Contact Switch Parts Kit with complete assembly and wiring details.	Double Pole	Double Throw
200-4	Standard 12.5 amps	Double Pole	Double Throw
200-5	Standard 8 amps	Four Pole	Double Throw
200-M1	Midget 8 amps	Single Pole	Double Throw
200-M2	Midget 8 amps	Double Pole	Double Throw
200-M3	Midget Contact Switch Parts Kit with complete assembly and wiring details.	Double Pole	Double Throw


13 COILS ASSEMBLIES			
CAT. NO.	A.C. COILS*	VOLTS	D.C. COILS
200-6A	6 A.C.	200-6D	16 D.C.
200-12A	12 A.C.	200-12D	12 D.C.
200-24A	24 A.C.	200-24D	24 D.C.
200-115A	115 A.C.	200-32D	32 D.C.
		200-110D	110 D.C.
		200-5000D	for current type

*All A. C. coils available in 25 and 60 cycles

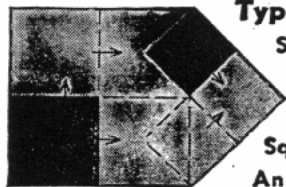
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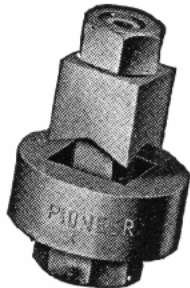
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(from preceding page)

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14 Mc.	VS9AW	13—21—	4,114
Palestine			
14 Mc.	ZC6UNI	4—5—	117

Oceania

Australia			
21 Mc.	VK4FJ	4—5—	72
	VK5FO	1—2—	3
Hawaii			
All Bands	KH6IJ	38—59—	110,677
	KH6MG	40—52—	66,700
3.5 Mc.	KH6IJ	5—4—	684
	KH6MG	4—3—	357
14 Mc.	KH6IJ	20—36—	29,568
	KH6MG	20—28—	19,896
	KH6LG	19—27—	18,998
	KHGCD	19—27—	15,916
	KH6ER	15—22—	9,324
28 Mc.	KH6IJ	13—19—	17,184
	KH6MG	16—21—	9,640
Marshall			
14 Mc.	KX6AS	15—18—	5,445
New Zealand			
All Bands	ZL1MQ	31—50—	20,736
	ZL1HY	16—16—	1,696
3.5 Mc.	ZL1MQ	2—4—	24
7 Mc.	ZL1MQ	2—2—	8
	ZL1HY	2—2—	24
14 Mc.	ZL2GX	25—52—	45,122
	ZL1MQ	20—35—	11,660
	ZL1HY	10—9—	684
21 Mc.	ZL1HY	4—5—	99
	ZL1MQ	3—5—	56
Niue			
All Bands	ZK2AA	27—37—	22,336

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1945 August September	1949 August October	1952 January February March April May June July September October November December
1946 March June July August September October December	1950 February April June July October November December	1953 January February March April May June
1947 February June August September October November December	1951 January February March April May June July August September October November	
1948 April May June September October November		

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Present and Prophetic

Baltimore, Md.

The Sixth Annual Hamfest Picnic, sponsored by the Baltimore Amateur Radio Club, has been scheduled for Sunday, August ninth, at Triton Beach, Mayo, Md. Tickets are \$1.00 per person (children half price); this price includes bathing privileges, the use of the bathhouse, locker, picnic tables, and the pavilion. Beer and soft drinks will be on sale. An interesting program has been planned, and there will be awards for the best mobile installations. Bring your picnic basket and remember that the festivities start at 1000. W3PSG will be on hand to guide visiting mobiles. From Washington take Route 214 through Capital Heights to Route 2. From Baltimore take Route 2 through Annapolis, then follow the Hamfest signs. For further information, write Chairman Ernie Dobbs, W3JCL, 2208 North Fulton Ave., Baltimore 17, Md.

Kokomo, Ind.

The Kokomo Amateur Radio Club, Inc. has scheduled their annual Hamfest for August sixteenth. The "Big Bull" session will be held in Highland Park. Registration will start at 1030. The lunch will be pot luck; you are urged to bring something. A transmitter hunt and entertainment for the XYL and the little QRM's will be provided. The registration fee is \$1.00. Advance registration is not necessary, but may be obtained through W9DKR, on 75

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