World Wide DX Contest Results |

Combined phone and CW results of the 1953 contest with a tabulation of first-place winners in each country

The first International DX Contest (formerly the World-Wide CQ DX Contest), sponsored by the International DX Club, has been a huge success and a massive reporting job. Apparently, this contest combines all of the ingredients that DX men throughout the world find ideal for a competitive event. Thousands of logs were received from over one hundred countries. Considering that DX conditions throughout the world are generally at a low ebb, the results are nothing short of phenomenal.

The International DX Contest is an extension of the DX Contest originally started by



This is the certificate issued by the International DX Club to all contest winners

the CQ DX Committee. In 1952, because of the every increasing burden of work connected with sponsorship of this operating activity, CQ magazine felt they could no longer continue sponsorship of the event. In order to perpetuate a contest, which was then on its way to becoming one of the most popular amateur events in the world, a group of DX-minded amateurs formed an organization known as the International DX Club. Specifically, this group combined to sponsor the 1953 International DX Contest. As a secondary objective, the worldwide promotion of amateur and DX operation has been subscribed to by membership of the IDXC.

Because of the short time available between the IDXC formation, and the necessity for announcing the 1953 competition, not all of the details could be attended to in the manner which would have been ideal. Despite these many obstacles, some of which seemed insurmountable, tens of thousands of log sheets were distributed throughout the world. In the ensuing months since the 1953 competition, an organization of some greater strength has developed. The dates for the 1954 contest have already been established and are listed in a box elsewhere in this article. Rules in their entirety will appear in September CQ. Awards for the 1953 contest have been made prior to this formal compilation of the contest results.

It is not possible in this single report to give full credit to all of the amateurs who did an outstanding job. It should be pointed out that this contest could not possibly have been the success it was without the wholehearted cooperation of amateur organizations throughout the world, particularly the *Potomac Valley Amateur Radio Club*.

Some of the typical comments picked up on DX logs indicate what a close bond of kinship binds the DX men in every land. Some of these typical comments are quoted: From 4X4BO, "These contests are landmarks in the life of a Ham and when you come to think of it, why not have two each year?" From SWL1120006T in Trieste, "I am an SWL but have worked hard during the contest with my two-tube regenerative receiver and logged 9 zones, 32 countries." It is to perpetuate these bonds that the IDXC exists.

A word about the scoring on the contest. Because the rules and regulations for the contest were sent out in English only, many DX stations had difficulty in fully understanding them. An effort is being made to simplify the explanation of the scoring of the contest and to have the rule translated into every common tongue. However, the problem of figuring scores was such a monumental job that it could not be handled by two or three people. The Potomac Valley Amateur Radio Club volunteered to handle this project as a Club assignment. Not only was every single log checked, but hundreds of logs were refigured for the contestants. While it is not hoped that every single error has been rectified, no detail was overlooked to make the final logs as accurate as possible. Because of the confusion in scoring it was not possible to list the number of QSO's by each winner, since QSO points and not actual number of contacts contribute to tide final multiplier.

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Measuri score with becomes of dominate 247, 68Z a

SING United Sta

W1RY W1RWP W1NHJ

W1DSF W2WZ K2EDL W2SVF

W3GRF W3EIS W3ADZ W3JTC

W4KFC W4AIX W4KRR

W5CKY W5QKZ W5FXN

W6RW K6CIT W6BAX W6BYB

W7PQE W7JLU W7HYW

W8JIN W8WZ W8NBK W8BHW

W9NDA W9MEM W9VIN W9FJB

WØDAE WØDAE

Alaska KL7EVR KL7RZ

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e contest. the conmany DX rstanding iplify the ntest and ery comof figurb that it e people. Club vola Club ngle log refigured ped that no detail gs as acfusion in number O points ontribute

Looking at some of the foreign logs presents a perfectly fascinating picture to the American DX men. Keeping in mind that the great feature of the *International DX Contest* is the one that encourages DX station to work DX station, a run down of some of the logs is enough to make many a DX man forsake wife and home to operate overseas for one of these

In a World Wide DX Contest, it is to be expected that the highest scores will not be made by American stations. Many foreign countries are far more ideally suited geographically in relation to countries and zones, to turn in a better performance. Coupled to this is the natural desire of DX men everywhere to work the "rare ones" first. You can almost certainly count on the highest score being an unusual foreign prefix.

CW Scores

Measuring up to every requirement, world high CW score with a phenomenal 497,458 points, 4X4RE probably becomes one of the very first Asian stations to ever dominate such an event. 692 QSO's and a multiplier of 247, 68Z and 179C is a record that will be hard to beat.

Eagon turned in this performance in 40 hours, operating time being limited due to illness. All bands were used, 80 through 15 with the bulk of the work being done on 20 and 15. Letting the performance speak for itself, 4X4RE did not submit a station description. Outstanding as is the score of 4X4RE, only slightly less extraordinary is the sccond world-high score submitted by 4X4BX with 450,058 points, achieved on all bands from 80 to 10 meters; 63Z and 238C. 4X4BX used 125 watts with half-wave dipoles on 80, 40, 20 and a ground plane for 15 meters; 3 elements on 10.

In summarizing the results of this contest, it is our intention to review the outstanding scores on each continent. A third extraordinary score is that submitted by ZC4IP at 228,363 points. Whether by design or coin-

(Continued on page 24)

NOTE: Space limitations do not permit listing of all scores. You may have a full tabulation for your country or prefix area by addressing a request to W9VW, Harold Brooks, R.F.D. 2, La Porte, Indiana. Please enclose a stamped self-addressed envelope.

Tabulation of Contest First Place Winners by Country and Operation

CQ

					1			
SINGLE	OPERATOR	cw	SINGLE	OPERATOR	cw	MULTI	OPERATOR	cw
United States			Anglo-Egytian			VESAJ	14	1552
W1RY	All Band	137,070	ST2AR	14	31,430	VE6MN	All Band	5280
W1RWP	3.5	874				VE6ZR	14	1281
WINHJ	7	798	Argentina			VE7VC	All Band	63,690
WIDSF	14	20.544	LU3EX	All Band	121,635	V06U	All Band	18,668
111031	14	20,544	LUSFBH	14	22,533			,
W2WZ	All Band	240.000			22,000	Chile		
K2EDL	7	240,660 42,039	4 4 43			CE3AG	All Band	329,572
W2SVF	14	,	Australia VK2GW	All Dond	04.000			, , , , , , , , , , , , , , , , , , , ,
******	14	7548		All Band	84,332	Cook Islands		
W3GRF	All Band	327,360	VK3AWW	14	. 12,596	ZK1BG	All Band	1702
W3EIS	3.5	560	VK4HR	21	11,319			
W3ADZ	3.5 7	4708				Czechoslovaki	ia	
W3JTC	14	114,684	Azores			OK1MB	All Band	306,078
WSJIC	14	114,684	СТ2ВО	14	1224	-	All balla	300,078
W4KFC	All Band	338,517				Denmark		
W4AIX	14	50,666	Bahrein Island			OZ2PA	All Band	131,040
W4KRR	21	12,312	MP4BBD	All Band	14,716	OZ5UF	3.5	6.
*********	21	12,312				OZ7PH	14	32.637
W5CKY	All Band	45.347	Balearic Island	1				32,037
W5QKZ	7	1820	EA6AF	All Band	57,344	Eire		
W5FXN	14	20,856				EI9Y	All Band	25,137
	4.4	20,030	Belgium				All bulla	23,237
W6RW	All Band	184,527	ON4AU	All Band	35.224	England		
KECIT	7	17.464	ON4CK	14	14,560	G4CP	All Band	104,483
W6BAX	14	120,663			,	G4XC	7	5922
W6BYB	21	11.016				G2LB	14	83.096
		11,010	Belgium Conge			G2BW	21	5782
W7PQE	All Band	68,864	OQ5CP	All Band	105,600	02000	~.	5/82
W7JLU	7	3201	OQ5VN	14	26,019	Finland		
W7 HYW	14	19,950				OH3RA	All Band	46,168
		20,000	Bermuda			OH3TM	3.5	
MIL8W	All Band	300.312	VP9BF	All Band	299,250	OH5PB	7	345 1863
W8KIA	3.5	1856	VF3BF	All Ballu	299,230	OH2ZE	14	31,266
W8WZ	7	32,121				OHZZE	14	31,266
WSNBK	14	85,842	Bolivia			French Eq. A	frica	
W8BHW	21	41.895	CP5EK	All Band	172,572	FQ8AF	All Band	18,100
****		, , , , , ,				French West		20,200
W9NDA	All Band	164,160	D11			FF8JC	All Band	9381
W9MEM	3.5	1242	Brazil PY1ADA	511 Book		France	All ballu	9361
Walin	7	9130		All Band	148,878	F9RM	All Band	59,488
W9FJB	14	36,742	PY6FI	14	8282	F9RS	7	468
WØDAE	All Band	00.670	PY3QX	21	10,812		,	408
WOIBZ		88,672				Germany		
WØJZX	14	2904	Canada	•		DL1AU	All Band	
110327	21	3237	VE1ZZ	All Band	64,260	DLIFF	3.5	240,097
A Imalian			VE2WA	All Band	41,640			10,764
Alaska KL7EVR	All Dend		VE3CCK	All Band	106,824	DL4EF DL4YZ	7	29,425
KL7EVK	· All Band	5300	VESIG	3.5	1428		14	53,483
WEI KZ	. 7	144	VESAAZ	7	3880	DL3RM	21	13,266
Algeria			VESHB	14	2145	C		
			- 25110	4-4	2143	Greece		

Greenland OX3GL	14	180	Pakistan AP2R	14	18,666	Bulgaria + LZ1KPZ	All Band	25,228
Guantanamo Bay KG4AN	All Band	23,838	Peru OA4C OA4J	All Band	20,148	Canada VE80G	A:I Band	32,698
Haiti HH3DM HH2OT	All Band	414 408	Portugal	14	1456	England G2BOZ	7	20,128
Hawaii		, , , , ,	CT1DJ Saar	All Band	80,827	Eritrea ET2US	All Band	239,121
KH6IJ KH6ER KH6LG	All Band 7 14	285,420 82,556 31,569	954AX Southern Rhod	All Band	62,073	Germany DL11N	All Band	73,320
Honduras HR1AT	All Band	36,938	ZE3JP	A!I Band	194,310	Iraq YI2AM	14	69,560
Iceland			Roumania YO3RF	All Band	92,192	Libya SA1TZ	14	78,470
TF3AB Israel	All Band	47,888	Ryukyu Is. KR6AA	A'l Band	15,660	Marianas Is. KG6ADY	All Band	221,494
4X4RE Italy	All Band	497,458	Sardinia ISIAHK	All Band	5500	Marshall Is. KX6BF	All Band	217,700
IIAĹU	All Band	97,515	Saudi Arabia				Tin Bund	227,700
IICIH	14 21	19,530 5143	HZ1 HZ Scotland	All Band	102,311	Netherlands PAØNN	All Band	4250
Japan JA1CJ	All Band	31,768	GM3EOJ	All Band	21,929	Scotiand GM8MJ	All Band	41,612
JA1AA	14	18,054	South Shetland	l Islands				41,011
			LU3ZS	All Band	68,973			
Lebanon ODSLX	All Band	85,956	LU5Z0	14	3588			
ODSEX	All Banu	83,530	Spanish Moroc	60		SINGLE OP	ERATOR F	ONE
Kenya	All Bond	107.022	EA9AP	All Band	116,850			
VQ4RF VQ4ERR	All Band	107,933 2106	Spain ·			United States		
М			EA1AB	All Band	123,074	WIATE	All Band	155,742
Mocau CR9AH	14	11,286	EA1CS EA3GF	7	285	W1LQQ	14	9576
0.00	• •	11,200	EASUF	14	11,439	W1NHJ W2SKE	21 All Band	80 57,810
Maderia Island	A!I Band	18.768	Sweden	au Bond	107.000	W2ICE	3.5	190
CISAB	Air bana	10,700	SM3AKM SM4KL	All Band 7	127,908 3950	W2VWN W2JDE	14 21	7950
Mariana Island	All Bond		SM3HC	14	23,730	W3VKD	All Band	21,630 4720
W5QDF/KG6	All Band	94,754	SM5CO	21	5682	W5SFW	14	5808
Mexico			Switzerland			W3CHH W4OSU	21	225
XE1SA	All Band	9455	нвэко	All Band	76,720	W4080 W40M	All Band 14	18,249 10,912
Monaco			HB9NN	7	2574	W4NQM	28	1250
3A2BM	All Band	33,784	HB9KU	14	11,050	K5FCG	All Band	335
Mozambiana			South Africa,		`	W5WQI W3MFW	14 21	306 3570
Mozambique CR7AF	All Band	9148	ZS5U	All Band	39,714	W5ZFS	28	12
			ZS4AK	14	702	W6YY	All Band	39,416
Netherlands PAØUN	All Band	182,093	Trieste			W6HNX W6SWE	14 21	25,404 726
PAØGIN	3.5	4964	IINU	All Band	34,272	W7HAD	All Band	8280
PAØOI	7	1200	Uruguay			W7JLU	7	150
PAØKW	14	55,524	CX1FB	All Band	28,670	W7JUO W7ENA	14 21	777
Northern Rhodesi	a		Venezuela			W8NXF	All Band	27.000
VQ2GW	All Band	42,952	YV5AB	All Band	154,656	W8JIN .	7	1148
Notharlanda Wast	Indice		YV5AK	14	2424	W8BHW	21	15,142
Netherlands West	All Band	9102	Vissia Islanda			W9NDA W9MEM	All Band 3.5	48,510 340
			Virgin Islands KV4AA	All Band	117,720	W9EZD	14	6148
New Caledonia FK8AO	All Band	11,904			,	WØGEK	All Band	2688
FROAU	All ballu	11,504	Wales GW3JI	All Band	60,500	WØJZK	21	1377
New Zealand			GW3ZV	14	49,929	Alaska		
ZL1BY	All Band 7	153,180 12,690			70,020	KL7AON	All Band	10,707
ZL2MM ZL3OP	14	23,816	Yugoslavia YU1AD	All Band	112 227	KL7AWB	14	1224
				All Danu	113,337	Algeria		
North Ireland GI3FJX	All Band	37,200				FA9VN	All Band	1209
GISHZ	21	8640				Argenting		
Nam Culman			MULTI	DPERATOR C	·w	LU9MA	All Band	5040
New Guinea VK9WZ	All Band	3502				LU2NC	14	11,288
			United States			Australia		
Norway LA6U	All Band	54,889	W2MNN	All Band	1344	VK4EL	All Band	2024
LA4KD	14	4280	W5ZD · W6AM	All Band All Band	38,912 212,128	VK5XN VK4EE	14 21	9350
· -			W6MUR	14	1075	ALMEE	21	238
Poland SP3AN	All Band	251,728	W7DL W9AVJ	All Band All Band	123,032 168,350	Bahama Islands VP7NS	All Band	6825
Puerto Rico KP4CC	All Band	68,365	Argentina LU9EV	All Band	87,312	Belgian Congo OQ5DZ	All Band	95,172

Belgi ON4P ON4C Berm VP9B Boliv CP5A Brazi PY2A PY6B Cana VE1Z VE212 VE2S **VE3H** VE5H VE7A VE8Y VOGN Canal KZ5W Canal EA8A EA8B Colon HK4F HK3H Costa TI2TG Cuba CO202 Ceylor 4S7LB Czech OK1 H Cypru: ZC4IP Denmo OZ5KP OZ70P Ecuado HC1 M Englar G3FXE G3AFN G2WW Eire EI3Y Finland OH5NQ OH2ZE France F9RM F3NG F3PW German DL1AU DL1LH DL1UX DL4YZ DL1VR Greece SVØWE Guanta KG4AN Guatem TG9RB

> Haiti HH3DM

	2									
cw		SINGLE OPERATOR FONE			SINGLE OPERATOR FONE			SINGLE OPERATOR FONE		
25,228		Belgium ON4PJ ON4CH	All Band	31,746 880	Hawaii KH6AWM KH6IJ	All Band 21	52,726 1251	Portugal CT1FT	All Band	268,796
32,696		Bermuda VP9BG	All Band	93,288	Honduras HR1AA	All Band	35,280	Puerto Rico KP4WA KP4TA	A:I Band 21	17,020 13,468
20,128	4	Bolivia CP5AB	All Band	37,511	India VU2RC VU2EJ	All Band	4940 9030	Poland SP9KAD	All Band	8151
239,121		Brazil PY2AHS	All Band	53,280 1452	North Ireland	21	8400	Saar 954AX	All Band	5606
73,320	E .	PY6BN	14	1452				Southern Rhodes	ia	
69,560		Canada VE1ZZ VE2IZ	All Band	7524 2400	Isle of Man GD3UB	14	13,018	ZE3JP Roumania	21	912
78,470		VE2SU VE3HB VE5HR	14 14 All Band	7800 999 490	Iraq YI3WH	21	18,290	YO3RF Scotland	All Band	9639
221,494		VETAIH VESYT VOGN	All Band All Band All Band	12,096 5716 2241	Israel 4X4DK	All Band	102,760	GM3DHD Spain	All Band	49,152
217,700	i i	Canal Zone			italy IIAIJ	All Band	31,411	EA2CQ EA4CX	All Band	137,600
	1	KZ5WZ	21	11,280	I1CSP	3.5	300		14	4524
4250					11CWX	14 21	13,216 6110	Switzerland		
41,612		Canary Islands EABAX EABBK	All Band	24,888 248	Jamaica	All Band	30,667	НВ9КU	All Band 14	7834 23660
42,022		Colombia			VP5SC	All Banu	30,007	Sweden SM3LK	All Band	
)NE		HK4FV HK3HY	All Band 14	43,018 2772	Japan JA3AQ KA2OL	All Band	4940 19,142	SM5FA SM5CO	14 21	30,888 24,893 6070
		Costa Rica TI2TG	21	5875	Kenya VQ4RF	All Band	154,721	Tanganyika VQ3ES	14	12,801
155,742 9576		Cuba CO2OZ	All Band	57,658	VQ4TOT Lebanon	14	24,440	Turkey TA3MP	All Band	25,092
80 57,810 190		Ceylon 457LB	All Band	4998	ODSAD Madeira Island	14	45,917	Union of South ZS1MP ZS60M	Africa All Band	111,452
7950 21,630 4720		Czechoslovakia OK1HI	All Band	17,927	CT3AN Marianas Islands	All Band	4690	ZS6DW	14 21	13,554 22,160
5808 225 18,249		Cyprus ZC41P	All Band	10,045	W60NP/KG6 Marshall Is!ands	14	28,556	Uruguay CX3BH CX3BT	A!I Band	12,775
10,912 1250 335		Denmark OZSKP	A!I Band	33,824 1426	KX6BB Mexico	A!I Band	1217	Venezuela YV5AB	All Band	2557
306 3570 12		OZ7OP Ecuador	14		XE1TR XE2WE	All Band 28	2501 660	YV5AK Yuqoslavia	14	25,596 24
39,416 25,404	SANSKA	HC1MB England	All Band	57,057	Morocco CN8MM	A: Band	146,142	YU3RC	All Band	14,931
726 8280	Ē.	G3FXB	A: Band 14	19,758 52 89	Netherlands			MULTI OP	ERATOR F	ONE
150 777 4		G3AFM G2WW	21	5459	PAØVB PAØOI PAØWWP	All Band 7 14	31,080 200 6987	United States W2WZ W6AM	All Band	70,650
27,000 1148		Eire EI3Y	All Band	19,975	PAØKE Neth. West Indi	21	192	W6GIZ W7DL W8NGO	All Band 14 All Band	78,472 34,496 86,223
15,142 48,510 340		Finland OH5NQ OH2ZE	All Band	33,292 6235	PJ2AF	14	9480	W9AVJ Germany	All Band All Band	18.312 44,805
6148 2688 1377		France F9RM	All Band	64,325	New Guinea	All Band	13,728	DL40V England	All Band	64,158
10,707		F3NG F3PW	14 21	1032 1100	New Zealand ZL1BY	All Band	46,761	G3BTG Eritrea	Ail Band	47,424
1224		Germany DL1AU DL1LH	All Band	48, 57 5 540	Nicaragua YN4CB	All Band	5080	ET2US	All Band	107,158
1209		DL1UX DL4YZ	7 14 21	204 30,030 8944	Norway LA4DD LA5YE	All Band	8607 5084	Iraq YI2AM	All Band	39,680
5040 11,288		DL1VR Greece SVØWE	All Band	15,478	Palestine ZOGUNJ	14	902	Italy IICCO Japan	All Band	2272
2024 9350		Guantanamo Ba KG4AN		38,184	Panama HP3FL	All Band	72,765	KA7RC Marianas	All Band	54,834
238		Guatemala TG9RB	14	20,922	Paraguay ZP5CF Peru	14	4100	KG6AEX Marshall Is.	A I Band	92,760
6825		Haiti			OA4CL OA6C	All Band	15,822 836	KX6BF Turkey	All Band	50,484
95.172		ННЗDM	14	1824				TA3AA	All Band	282,918

CQ

cidence, this score, 41Z, 122C and 480 QSO's included only 3 American stations. The extraordinarily high numonly 3 American stations. The extraordinarily high number of foreign amateurs participating in this event are apparent when you review a log of this magnitude, which is made up of page after page of only DX prefixes. George used the modified BC459A series, running 100 watts on 21, 7 and 3.5 Mc. and 140 watts on 20. A 14-Mc. folded dipole and 138' end-feed wire were used along with a modified HRO.

Conditions from Asia apparently did not favor the United States as evidenced by an examination of other Asian logs. For example, the log of 487LB did not indicate a single W contact.

No international contest would be much of an event

No international contest would be much of an event without ZE3JP, FA8DA and EA9AP, so it is little wonder that they finished up in that order for Africa. Conditions in Africa were not particularly good, as a review of the logs indicated. ZE3JP with 463 contacts on all bands had a multiplier of 53Z, 100C, for 194,310 points. Equipment was quite similar to that used in previous events, two separate band switched 813PA 85 different countries during the single weekend of the event. Total elapsed operating time 44½ hours. . . .

Breathing closely on Vic's neck and a force to be reckoned with in every operating event was W3GRF with the identical number of QSO's, 491; but Zone multiplier of 77 and a country multiplier of 163 for a final score of 327,360 points. Len employed a 32V2, driving four different finals on 80, 40, 15 and 20: 75A2 receiver: 133' long wire on 40 and 80, 3-element beams on 20 and 15. It was a refreshing experience to read the two logs of W4KFC and W3GRF, both who commented on good

ornditions, particularly to Europe.

Jim Ringland, W8JIN, had the third highest American score with 434 QSO's; 82Z; 176C, 300,312 points. He used push-pull 250THs in the final; HRO with a 23-kc. i-f strip; 900-cycle band pass; ground planes and doublets on 80; vertical beam on 40; wide space 3-element on 20 and 15. This score is particularly outstanding since W8JIN had to work a great many of his contacts through the east coast wall of QRM.

1954 WORLD-WIDE DX CONTEST SCHEDULE

Time Zone	Starting Time	Ending Time			
Greenwich Mean Time (GMT) (London)	Saturday Oct. 23, 0200 Saturday Oct. 30, 0200	Monday, Oct. 25, 0200 Monday, Nov. 1, 0200			
U.S.A.	Friday, Oct. 22, 9:00 PM	Sunday, Oct. 31, 9:00 PM			
Eastern Standard Time	Friday, Oct. 23, 9:00 PM	Sunday, Oct. 31, 9:00 PM			
U.S.A.	Friday, Oct. 22, 6:00 PM	Sunday, Oct. 24, 6:00 PM			
Pacific Standard Time	Friday, Oct. 29, 6:00 PM	Sunday, Oct. 31, 6:00 PM			

transmitters, VFO or crystal controlled an HRO and AR88 receivers, Q5-er and other miscellaneous accessories. A 558' long wire to an 80' gum tree and a ground plane constructed of brass tubing for 21 Mc., per-

formed extremely well.

FA8DA with 152,490 points contacted 377 stations; 34Z and 104C multiplier, running a pair of 807's at 50 watts with a BC348Q modified and a long wire. FA8DA watts with a BC348Q modified and a long wire. FA8DA commented on extremely poor conditions with the exception of a fairly good opening on 7 Mc. EA9AP, who has put a rare country well into the front ranks of DX men, worked 324 stations; 34Z and 89C multiplier, for 116,850 points. Adolfo used an 807, SX43 and a folded dipole and Zepp. Only poor conditions prevented EA9AP from running up an even higher score for the entire world was out looking for this multiplier.

No matter how poor conditions are, South Americans are always able to work into the United States, so it's an unusual day when world conditions permit them to do considerably more than that. Taking advantage of favorable conditions into South America, contest perennal CE3AG turned in the leading South American score and one of the world high scores of 329,672 points, with

nal CE3AG turned in the leading South American score and one of the world high scores of 329,672 points, with a multiplier of 78Z, 125C and 570 QSO's. One of the few really high powered foreign DX stations, Luis used a 304TL running 600 to 1000 watts input; Collins 75A2, 3-element rotary for 10 and 20, long wire on 15, 40, and 80. While performance on 10 was relatively modest, the 13 countries worked there was far above the average. Second highest score in South America made many a DX man happy since it was a prefix too seldom heard

DX man happy, since it was a prefix too seldom heard on the air. CP5EJ turned in a score of 172,572 points. Conditions in Bolivia were not particularly good and Hans echoed the complaint of many of the participants that noise conditions were unusually high. Third highest South American score was that of YV5AB. His 490 contacts in 37Z and 71C added up 154,656 points. A 35T final running at 125 watts with an English "Commander" receiver and a folded dipole, plus a 3-element beam for 20 meters provided the extraordinarily potent signal of YV5AB.

signal of YV5AB.

High scores in North America represent probably the maximum effort because of the extremely competitive nature, of American DX men, and because of rules of the contest which remove any advantage the W's might have. Highest American score was W4KFC with 491 contacts, 88Z, 173C, Vic had 338,517 points. All bands were used from 80 through 10. By now, all contest men should be familiar with W4KFC's station, which uses a kilowatt into a pair of 4-250As; BC348 with a converter and Selectojet; 138' end-feed Zepp; 2-element rotary on 20 and 15; and ground planes on 40 and 10. Vic worked

Out on the West Coast where the International DX Contest had its birth, leading the pack was W6RW with an extremely creditable performance of 341 contacts, 74Z, AR88 receiver; rotaries on 20 and 15; and on 40 and 80 phased half-waves. All of the Americans commented on comparatively good conditions, particularly with some sulcand comparatively. splendid openings to Europe. There was an outstanding European opening on 21 Mc. from the West Coast and 14 Mc. was good from all parts of the United States to The Mc. was good from all parts of the United States to Europe, accounting for some of the particularly good scores. Top Canadian scores were those submitted by VE4RO and VE3CCK. VE4RO with 133,927 points operating from the middle of the continent is an outstanding score, but is nothing less than would be expected from such a long-time DX man. VE3CCK (ex-FP8AJ) followed with over 300 QSO's for 106,824 points. Ronald kept the eastern part of Canada well represented on all kept the eastern part of Canada well represented on all

bands from 80 through 10.

The score of VP9BF is certainly worth mentioning as one of the outstanding world scores, totalling 299,250 points. Since the scores have been listed by continent, and only the top handful have been individually singled out VP9RF's starling performance might have been overout, VP9BF's sterling performance might have been overshadowed by the big guns of North America. . . which barely edged out 9BF. Thoroughly steeped in contest tradition, VP9BF can be counted on keeping Bermuda

well represented in all future events.

Participation from the Oceania continent was not as great as many of the world contestants would like to have seen, but you can almost predict the winner from that part of the world. KH6IJ with 285,420 points was that part of the world. KH6IJ with 285,420 points was high for the continent with a combined multiplier of 142. With his broadside exposure to the United States, KH6IJ really has to work hard to build up his country multiplier. But thumbing through the log are many of the rare prefixes of the world, particularly in the Far East and Asia. And along with KH6IJ, nothing seems more proper than to have that ascending star in Hawaiian DX competition, KH6MG with 175,250 points. Third in line for Oceania was ZL1BY with 153,180 points based on a multiplier of 148. Using 100 watts and three 555' V beams, NC240D receiver with various filters and preselectors, ZL1BY was one of the consistently strong signals from that part of the world.

In Europe competition was unusually keen and two of the three high scores represent less than common prefixes. Leading the entire continent was OK1MB with

prefixes. Leading the entire continent was OKIMB with 306,078 points. Graphically demonstrating the advantage of central location, Beda had a country multiplier of

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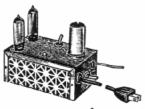
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The elimination of drift is a vital responsibility of every amateur operator. To comply with Federal Regulations

some means of accurately checking transmitter frequency must be available at every "Ham" station. You can avoid a "pink ticket" for off-frequency operation by using the BUD self-powered frequency calibrator. The new, improved BUD FCC-90A uses 2 tubes-50C5 and 35W4. It consists of a 100 kc crystal oscillator that is completely self-powered and will give 100 kc check points on all bands to 30 megacycles. This enables you to determine the exact band edges.

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catalepsy of the capacitors, rheumatiz of the resistors, dysentery of the dials, bursitis of the bandswitch, cirrhosis of the shields, filariasis of the filters? Tch, tch, a pity . . such a nice old receiver. Well, as we were saying. it's too bad it wasn't traded before it was too late. If your old receiver is creaking at the joints and can't seem to stand the gaff of present-day QRM and wearying



contest sessions, it'll pay you to drop a card to our Communications Equipment Division. Tell us the model number of the receiver you want and the receiver you'd like to trade-you'll be surprised at our terrific trade-in offer. By the way, if you don't have our latest Supplement (No. 139), we'd sure like to send you a copy. Write Allied Radio Corp., 100 N. Western Ave., Dept. 16-H-4, Chicago 80, 111.

DX CONTEST RESULTS

(from page 24)

203 and a Zone multiplier of 75. The 203 multiplier is one of the highest turned in by any station in the world. With a 75A1 receiver; 813 power amplifier and eight different antennas, OK1MB had a field day into W6 land with over 44 contacts. It is only fair to point out that with no restrictions between "iron curtain" countries, OK1MB's log shows dozens and dozens of contacts with all of the rare Russian prefixes. Almost all of the Russian countries are represented in his log, including several Zone 19 contacts and many of the old standbys, such as UISKAA, UQ2AB and a host of UEs, UCs, etc.

Second highest European score was a prefix too seldom heard in recent years, but now ably represented by SP3AN with 251,728 points; the result of 55Z, 169C and SP3AN with 251,725 points; the result of 552, 1050 and almost 400 contacts. An outstanding operator with a splendid signal, SP3AN represented a new country to a surprisingly large number of contestants. Third highest European score was DLIAU with 240,097 points. Just prior to the test his beam broke down and the XYL had to give beam directions with a compass. Big: 100 w to give beam directions with a compass. Rig: 100 w., modified SX17, long wire on 3.5 and 7 Mc., rotaries on 21 and 14 Mc. Strong support of the IDXC by the DARC resulted in unusually fine participation by the DLs.

Phone Scores

Generally speaking, in any DX contest held over more than one weekend, conditions are not uniformly favorable. For some years now, the phone men seem to have been beset with poor luck when it comes to conditions been beset with poor luck when it comes to conditions and the 1953 World-Wide DX Contest was no exception. Conditions were tolerable, but definitely inferior to the CW weekend. Coupled with less DX activity, the A3 scores ran lower in every single category for the phone competition.

World-high phone score was CT1FT, operated by CT1BW. Under any conditions the outstanding score of 268,796 points is impressive. 80 through 10 were em-258,796 points is impressive. Ou through 10 were employed with surprisingly good results on both the top and low band. The multiplier was 216C, 82Z and 902 QSO points. Operator CT1BW worked 14 countries on 28 Mc, one of the best performances on that band. Push-pull T55's at 250-watts input provided the rf. A 24-tube, double conversion superhet and an SX42, plus ten separate antennas further helped . . . ranging from a half-wave Zepp and two half-waves in phase on 80, down to fixed beams in the N-S E-W directions on 40, 15 and 10. Congratulations to CT1BW and to CT1FT for his fine attains.

15 and 10. Congratulations to CT1BW and to CT1FT for his fine station.

Southern European signals had a very definite advantage over the rest of the continent as evidenced by the fact the three top leaders were located in that portion of the continent. Second highest European score was EA2CQ, 137,600 points, with a multiplier of 50Z, 150C and 688 QSO points amassed on all bands on 80 through 10. Third highest European score and one of the top world scores, was another well-known Portuguese. the top world scores, was another well-known Portuguese DX man, CT1QG: Raul has a multiplier of 48Z, 136C and 275 contacts for 112,608 points.

How did the Americans make out in the phone contest? A lot of points separated the high American from test? A lot of points separated the high American from the rest of the U.S. competition, and WIATE proved that he could hold his own with any DX station located anywhere. Chad turned in the outstanding score of 155.742 points with a total multiplier of 69Z and 133C worked on five bands from 80 through 10. Chad comments that conditions were worse than any contest to date; 75 meters being exceptionally poor and 40 extremely inactive. 15 meters was the bright spot at W1ATE, but did not show the same promise in the rest of the world. chad pointed out that between 1948 and 1952, no W ever had a higher world position than sixth, but this year he moves into Second World High! Despite the generally poor conditions, W1ATE's score is still the highest American phone score ever submitted for the World-Wide DX Contest.

W1ATE's equipment used on 3.5 Mc., two switchable 3-element vertical half-wavelength beams and one halfwave folded dipole vertical; 7 Mc. 2-element rotary, 0.1 wave spacing and a half-wave folded dipole, both over wave spacing and a han-wave rolled dipole, both over 110' high; 14 Mc., 3-element rotary and 6-element Sterba curtain; 21 Mc., 3-element rotary; 28 Mc., 3-element rotary and a 540' utility antenna, long wire 100' high. A kilowatt on all bands with a Collins receiver rounds

W2SK shows and 41 plane o is a Co conditi score a west w verse multip ing a number all DX

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(from preceding page)

out an outstanding station. Second high U.S. score is W2SKE, Bill Leonard, who took time out from his TV shows to turn in 57,810 points, based upon 53Z and 88C and 410 station points. Bill uses a 75A3, 65' ground plane on 80 and 40 and rotaries on 15 and 20; transmitter is a Collins KW1. Bill also comments on extremely poor conditions on all bands except 15. Third highest U.S. score and outstanding because it comes from the midwest where DX is considerably more difficult under adverse band conditions, W9NDA got 48,510 points with a multiplier of 53Z, 94C and 330 points. It is an operating achievement of far greater magnitude than the number of points might indicate and raises the hopes of all DX men in the mid-west "island."

Highest West Coast score is that of W6YY, achieved without the benefit of a strong 21-Mc. opening. Conditions definitely worked against the interest of the West Coast gang who put in a mighty effort, but just couldn't hear the stuff to work. 176 QSO's and a multiplier of 43Z and 61C gave John 39,416 points. Equipment used: 4-1000A driven by a 32V3, Collins 75A2, RME-69, two RME DB-23 preselectors, vertical on 80 and 40, 2-element phased array on 20 and a piece of "haywire" on 21 Mc.

Two other scores are particularly worth commenting on in the Central American-North American competition group. VP9BG turned in 93,288 points with a multiplier of 49Z, 107C and 598 QSO points. While, of course, there are a lot of North American QSO's in his log, there's an extraordinarily large amount of choice DX despite adverse conditions. HP3FL with 72,765 points had a multiplier of 54Z, 81C and 539 QSO points. A prefix that isn't heard too often, Frank made a lot of DX men very pleased to get the contact.

In the World-Wide DX Contest with conditions good, bad or indifferent, Asians can do well because of their strategic location. High score for the continent of Asia was 4X4DK with 102,760 points followed by 4X4BO with 88,172 points resulting from a multiplier of 26Z, 83C and 809 QSO points on 14 and 21 Mc. only. Equipment consisted of PP 6L6s, 2-element fixed 14-Mc beam; and two folded dipoles; SX-23 receiver. Ample evidence that only conditions prevented some "adding machine" scores are the large number of rare prefixes in the logs of the individual country winners. In the log of 4X4BO, for example, there are over fifteen prefixes that do not appear in the 14-Mc. log of W1ATE.

Third high Asian score was a prefix that meant a new country for a lot of DX men, OD5AD, who confined his operation to 14 Mc. and had 222 QSO's in 21Z, 52C for 45,917 points. The W's who worked OD5AD can count themselves mighty fortunate since there are less than a dozen stateside contacts in the whole log.

Oceania usually supplies more than its fair share of contestants, but not so this year. Leading this area was KH6AWM with 52,726 points, consisting of a multiplier of 35Z, 47C and 645 QSO points. Russ would have turned in an even bigger score, except for a misunderstanding of the rules, resulting from his first participation in this event. You can look forward to hearing the big signal of KH6AWM next year, adding up to a lot more points.

ZLIBY proves again that he can handle a microphone as well as a key by turning in a score of 46.761 points: 48Z, 61C and 429 QSO points. Those same three 550' V beams fed by an 813, modulated by 807's put out an equally potent signal on A3. An NC240D completes the station of ZLIBY. Only lack of operating time also prevented Bill from turning in a larger score. Third high for Oceania is ZLIMQ with 36.487 points, 48Z and 59C. Cliff's 95 watts, double conversion receiver and V beam plus 3-element fixed beam on 14 Mc. is one of the best known ZL sigs active.

South Americans who have in past years run away with the World-Wide DX Contest didn't fare as well this year. Leading the continent was HC1MB, operated by Lt. Col. W. G. Boyd, another American enjoying the satisfaction of being on the receiving end of a DX event. 225 QSO's, 35Z and 56C gave Willis 57,057 points. This score was followed very closely by PY2AHS with 53,280 points, 36Z, 75C and 480 QSO points. Contrary to what you might expect in going through a South American log, i.e., page after page of W's, openings from that continent favored the rest of the world and there are only a scattering of American contacts. Unusual conditions to say the least.

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Africans suffered less from the conditions than some of the other continents, and leading the field is VQ4RF with 154,721 points representing 36Z, 83C and 907 QSO points. A versatile CW operator, VQ4RF provided a new Zone and Country multiplier to many of the phone contingent this year. Top band for VQ4RF . . . 21 Mc., of corrse, with three times the score that he made on 14 Mc. Second highest African score was CN8MM with of course, with three times the score that he made on 14 Mc. Second highest African score was CN8MM with 146,142 points: 40Z, 93C and 1.174 QSO points. Except for a fair 21-Mc. opening to the United States, American for a fair 21-Mc. opening to the United States, American contacts represented a very minor portion of the log. Third highest African score was ZS1MP, 57Z, 92C and 748 QSO points for 111,452 points. Don used 100 watts and an SX71 receiver. His very effective antenna is a rhombic designed for 21 Mc., 275' per leg, 60' high with a 70° angle, fed with 600-ohm line. With performance good on all bands from 80 through 10, its dimensions might be of interest to some of the DX fraternity. Since ZS1MP will shortly be in Canada, this is the last World-Wide Contest where that call will be presented. CQØDZ operating from Ruanda-Urndi deserves a special vote of thanks since he depended solely upon a gasoline power plant. His 95,172 points represents one of the outstanding African scores and made

Multiple Operator Participation

Not all DX men have the stamina or the time to participate in a DX Contest as a single operator station. For this reason, and to welcome club operation, the multi-operator category has been established, which not only can earn an award for the station, but for each operator. An increasing number of stations are participating in this class and the results of such combined activity show up in some outstanding scores. In the activity show up in some outstanding scores. In the phone category, one of the extraordinary scores of the entire contest was turned in by TA3AA in Turkey; operated by WSOME and WIVQG, not only is this one of operated by W6UME and WIVQG, not only is this one of the sterling operating performances of the contest, but also the highest phone score turned in by any class of contextant. Andy and Ed had 527 QSO's, 43Z, 140C and a final score of 282,918 points. To do it, they used a rhombic pointed on the United States, a BC610 running on a half kw. and a Collins 75A1. To quote them, "We believe that this type of contest is the only truly DX contest, as all countries are trying to work all others rather than most countries trying to work a certain one." rather than most countries trying to work a certain one." If you look at their log you will see what they mean with page after page of mouth-watering prefixes in all continents. The stateside rhombic earned them considerably more contacts with W's than might have been expected under the very adverse conditions. When old-time DX men think back to the years when Turkey was among the rare of the rare countries, they appreciate what the effort of TA3AA and TA3MP means to DX men.

Another prefix rarely heard until a local club went in for contest operating, is ET2US, operated by nine club members on phone, 40Z, 91C and 818 QSO points earned the Kagnew Station Amateur Radio Club 107,158 points. All hands were used from 7 Mc. to 28 Mc. with 20 and 15 turning in conjugate performance. Interesting to 15 turning in equivalent performance. Interesting to note is an opening into Asia on 10 meters with Malaya, India and several choice countries represented. Third highest multi-operator phone score submitted was KG6AEX with three operators turning in 92,760 points, 46Z, 74C and 773 contact points. Single 833A's running 46Z, 74C and 773 contact points. Single 833A's running 400-watts input with a separate rig for each band were employed. An HRO with crystal control converters; NC183, 7-Mc. ground plane and an unusual multi-band beam provided the signal. On 20, 15 and 10 a triple stack 8JK, whose fundamental is 14 Mc., with 22' spacing is employed. Switchable phasing is used to give uni-directional or bi-directional characteristics as desired. Incidentally, 80-meter operation was not yet permitted on Guam during the contest. KG6ADY and KG6AEV were the operators. the operators.

When a W7 turns in the high American multi-operator score, that's news! Bob Hoffman, W7DL, one of the top West Crast DX'ers with the assistance of W6VUW did exactly that; 86,223 points, 271 QSO's 48Z and 75C. Push-pull 450TH's at a kilowatt, 75A1 and 75A2 receivers; ground planes on 75, 40 and 15 with a 3-element 20-meter retary complete the equipment. From any part of the states, it is a fine performance; from the far Northwest, it is outstanding.

Following W7DL, is W6AM with 78,472 points, 238 QSO's, 53Z, 83C; operating at Don's station was W6BXL, 6JID, 6KPC and 6QMC as well as 6AM. With separate finals running a kilowatt and receivers by

(Continued on next page)

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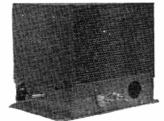
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(from preceding page)

every standard brand manufacturer, 12 rhombics and a Sterba curtain, plus a dozen miscellaneous operating aids.

W6AM is always near the top of a contest.

The multi-operator CW group took advantage of favorable conditions and unlimited stamina to turn in favorable conditions and unlimited stamina to turn in a group of extraordinarily high scores very closely grouped together. Leading the world was ET2US with 239,121 points, represented by 53Z, 110C and 1,467 QSO points. Writes secretary C. W. Green of the Kagnew Station Amateur Radio Club of Asmara, "Have had much fun participating in both the phone and CW sections of this contest." So did the over 1000 DX stations throughout the world that worked them on phone and CW. The outstanding performance of this station on both phone and CW certainly emphasizes the versatility

both phone and CW certainly emphasizes the versatility of their operators. Congratulations to all nine of them!

Amazingly close on the heels of ET2US is KG6ADY, operated with the assistance of KG6AEX; 221,494 points, the result of 66Z, 116C and 1,217 QSO points. Had 3.5 Mc. been permitted, KG6ADY might have been in the permitted of the permitt top spot. As it is, no apology is necessary for this splendid performance. And so close behind KG6ADY that it is almost a tie, is KX6BF. 217,700 points, 57 zones, 83 countries at 1,555 contact points. Operators at KX6BF were W5TIY, W5RGA, W6VIG and KX6BG. Based upon listening for the past six months, the operators report extremely poor European conditions with no phone opening and only a very mediocre CW opening. Conditions were rated about average for the CW contest and below

par for phone.

For the U.S. W6AM did it on CW with the help of W6BXL, 6GFE, 6JID, 6KPC and 6QMC. They amassed 212,128 points, 370 QSO's, 85Z, 139C. A tremendous score for the West Coast and ample demonstration of score for the West Coast and ample demonstration of 6AM's powers, if it is still needed. A new multi-operator American group shows up this year with W9AVJ. The Northwest Amateur Radio Club, operated by 9PKW, 9GVZ, 9NZM and appropriately enough, 9DX. This group has taken over the station of the late W9LM and now uses separate push-pull RK63 finals on all bands, 75A3; SX88; Super Pro; 3.5 Mc. ground plane and rotaries on 40, 20 and 15, 362 QSO's, 68Z, 107C for 168,350 points is a performance that rates cheers, particularly considering the extremely unfavorable conditicularly considering the extremely unfavorable conditions to the Mid-West during this competition.

TEST EQUIPMENT

(from page 28)

age should be bucked out with a d-c voltage of the same value but of opposite polarity. There have been devised a number of ways to do this and one of the simplest is to use a double diode. One section is used as a voltmeter rectifier and the second section used only for its contact potential which is applied to and in opposition to that of the first section.

This method of eliminating the contact potential is used in the Heathkit VTVM and gives very good results. In this case a 6H6 tube is used. In the specs for the meter as given by the Heath Company, the response of the a-c portion of the meter is given only for the audio range. However, in checking one of these meters we find it to be much better than this, with good response into the lower r-f region with the exception of several spots which seemed to show small peaks. These perhaps could be removed with a little work.

For those who are about to acquire a VTVM either by building or buying, a small point may be in the F terna with r-f fie tem meter Un

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