II. CORES FROM BASINS ADJACENT TO THE ATLANTIC OCEAN

V28-122

The study of this core was undertaken to measure the benthic-planktonic age difference for the "Boyle water" of glacial time in the Caribbean Sea (see Figs 5, 6; Table 5).

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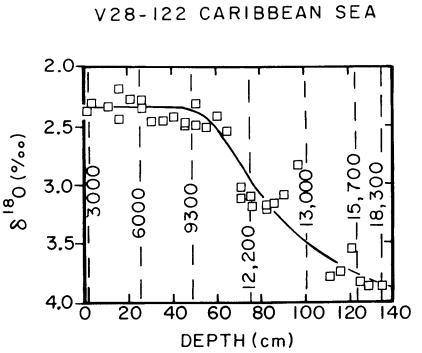

Fig 5. Oxygen isotope record for benthic foraminifera (Oppo & Fairbanks, in press)

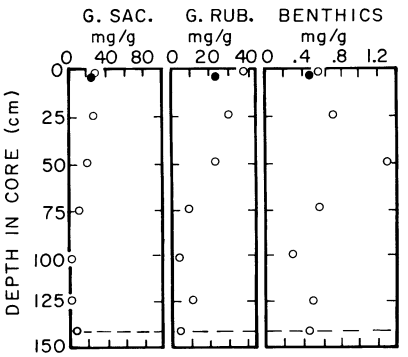

Fig 6. Abundance *vs* depth planktonic and mixed benthic foraminifera shells for V28-122

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TABLE 5

V28-122 Caribbean Sea Columbia Basin
Location (11°56'N, 78°41'W) Depth 3623m

Depth (cm)	Coarse fraction (%)	Foram sp	Abund (no./gm)	Abund (mgm/gm)	No. tests analyzed	Weight analyzed (mgm)	Date of AMS analysis	Age (yr)	Ref*
2- 5TW	23.1	G sacc	437	25.7	241	14.2	Mar 87	3180 ± 160	
"	"	G ruber	1210	23.6	554	10.8	-	-	
"	"	M benth	19.6	0.47	172	4.2	-	-	
1- 3	30.3	G sacc	612	29.0	194	9.2	Mar 86	2930 ± 120	15,16
"	"	G ruber	2300	38.7	493	8.3	"	3040 ± 130	15,16
"	"	M benth	27.2	0.57	530	11.1	"	3280 ± 140	16
24- 25	24.9	G sacc	595	27.0	205	9.3	-	5940 ± 130	15
"	"	G ruber	1780	30.7	610	10.5	-	6170 ± 190	15
"	"	M benth	22.5	0.73	130	4.2	-	-	
48- 49	21.4	G sacc	368	20.4	222	12.3	-	9230 ± 150	15,16
"	"	G ruber	1600	23.4	607	8.9	-	9390 ± 160	15,16
"	"	M benth	32.2	1.32	207	8.5	-	10,120 ± 200	16
74- 75	13.8	G sacc	177	9.9	193	10.8	-	12,040 ± 220	15,16
"	"	G ruber	628	9.4	500	7.5	-	12,410 ± 230	15,16
"	"	M benth	31.2	0.69	367	8.1	-	12,620 ± 210	16
98-104	4.1	G sacc	16.6	1.1	205	13.9	Mar 87	12,650 ± 250	15,16
"	"	G ruber	183	3.3	545	9.8	-	13,240 ± 240	15,16
"	"	M benth	6.50	0.29	227	10.3	Mar 87	15,200 ± 300	16
123-124	6.0	G sacc	38.3	2.2	174	10.1	-	15,860 ± 260	15,16
"	"	G ruber	549	10.6	525	10.1	-	15,540 ± 270	15,16
123-128**	"	M benth	17.0	0.51	302	8.2	-	16,550 ± 270	16
129-139	8.0	G sacc	59.2	4.0	121	8.2	Mar 87	17,910 ± 400	16
"	"	G ruber	374	7.1	582	11.1	-	18,730 ± 480	16
"	"	M benth	16.3	0.46	505	15.3	Mar 87	18,530 ± 420	16
145-146	-	G sacc	28.4	1.5	-	-	-	-	
"	-	G ruber	274	4.2	-	-	-	-	
157-158	-	G sacc	20.3	1.1	-	-	-	-	
"	-	G ruber	268	4.7	-	-	-	-	

*Publication no. in which radiocarbon date has been published (see references cited)
**55.3% from 123-124cm
26.2% from 125cm
18.5% from 128cm

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