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Gross Beta Activity in Land Plants - Rongelap Atoll - Feb-March 1958

Island; Species	Plot #	Specimen #	Tissue	d/m/g wet	Microcuries per kg. wet	d/m/g dry
ENIAETOK						
Cassytha filiformis	11	R120	Whole plant	84	.038	358
Cocos nucifera		R111	Meat	43	.020	214
" (coconut)		R112	Milk	5	.002	158
"		R129	Meat, milk	8	.004	264
Cucurbita sp. (squash)		R108	Meat	56	.025	353
"		R109	Pulp, seeds	55	.025	1649
"		R110	Skin	67	.030	448
Fimbristylis cymosa	11	R116	Leaves	147	.067	332
Ipomoea sp.	10	R100	Leaves	36	.016	287
"	11	R119	Leaves	117	.053	871
Messerschmidea argentea		R137	Stem, Leaves	94	.042	612
Morinda citrifolia		R138	Fruit	34	.015	199
"	10	R105	Leaves	53	.024	287
"	11	R118	Leaves	92	.042	607
Pandanus sp.	10	R107	Fruit	104	.047	414
"	11	R114B	Fruit	51	.023	101
"	10	R104	Leaves	50	.023	148
"	11	R114A	Leaves	84	.038	299
Roots	10	R106	Roots	26	.012	159
"	11	R121	Roots	37	.017	115
Scaevola frutescens	10	R101	Leaves	26	.012	100
"	11	R113	Leaves	23	.010	133
Tacca Leontopetaloides	11	R122C	Meat	48	.022	176
" (arrowroot)	11	R122B	Peel	67	.030	104
"	11	R122A	Whole corm	130	.059	59
Triumfetta procumbens	10	R102	Leaves	57	.026	348
"	11	R117	Leaves	171	.078	777

Note - Correction factors based on K^{40}

Island;Species	Plot #	Speciman #	Tissue	d/m/g wet	Microcuries per kg. wet	d/m/g dry
KABELLE				184		
Boerhaavia diffusa	4	R42	Leaves, stems		.084	886
"	5	R61	" "	196	.089	1068
"	7	R82	" "	295	.134	1763
Boerhaavia tetrandra	4	R49	" "	254	.116	1732
"	5	R56	" "	255	.116	1585
"	7	R84	" "	198	.090	1571
Cocos nucifera	7	R91	Husk			39
" (coconut)	5	R135	"			62
"	5	R53	Meat			
"	7	R89	Meat			
"	5	R54	Milk	65	.030	1485
"	7	R90	Milk	29	.013	465
"	5	R63	Leaves	155	.071	637
"	6	R68	Leaves	53	.024	168
"	7	R83	Leaves	117	.053	400
Fimbristylis cymosa	5	R58	Leaves	76	.035	196
Guettarda speciosa	4	R48	Leaves	191	.087	717
"	5	R64	Leaves	42	.019	150
"	7	R78	Leaves	49	.022	240
Lepturus repens	4	R47	Leaves	151	.069	698
"	5	R55	Leaves	64	.029	476
"	6	R72	Leaves	265	.121	2767
"	7	R92	Leaves	564	.257	1169
Messerschmidea argentea	4	R52	Leaves	84	.038	449
"	5	R60	Leaves	84	.038	571
"	6	R71	Leaves	157	.071	1089
Morinda citrifolia	4	R46	Fruit	114	.052	660
"	4	R45	Leaves	152	.069	808
"	7	R76	Leaves	89	.040	571
Pandanus sp.	7	R88	Fruit	87	.040	246
"	5	R65	Leaves	116	.053	855
"	7	R75	Leaves	102	.046	351
Pisonia grandis	4	R44	Leaves	214	.097	1082
"	5	R59	Leaves	145	.066	927
"	7	R77	Leaves	284	.129	1450
"	7	R85	Trunk borings			159
"	4	R128	" "			218
Portulaca lutea	4	R51	Stems, leaves	88	.040	1141
"	6	R70	" "	554	.252	4382
Roots	5	R66	Roots	118	.054	534
"	5	R67	Roots	140	.064	523
"	7	R87	Roots	86	.039	739
"	4	R126	Roots	2952	1.343	14849
"	4	R127	Roots	101	.046	510
Scaevola frutescens	4	R43	Leaves	59	.027	277
"	5	R62	Leaves	64	.029	338
"	6	R74	Leaves	62	.028	377
"	7	R79	Leaves	82	.037	446
"	13	R123	Leaves	67	.030	293
"	14	R124	Leaves	62	.028	301
"	15	R125	Leaves	141	.064	630

Island; Species	Plot #	Specimen #	Tissue	d/m/g wet	Microcuries per kg. wet	d/m/g dry
KABELLE -Cont'd						
Sida fallax	7	R80	Leaves	271	123	1077
Triumfetta procumbens	4	R50	Leaves	114	.052	838
"	5	R57	Leaves	57	.026	305
"	6	R73	Leaves	78	.035	311
"	7	R81	Leaves	77	.035	436

Island;Species	Plot #	Specimen #	Tissue	d/m/g wet	Microcuries per kg. wet	d/m/g dry
RONGELAP						
Boerhaavia tetrandra	3	R40	Leaves	86	.039	518
Cassytha filiformis	3	R38	Whole plant	33	.015	201
"	8	R96	" "	26	.012	129
Cocos nucifera		R134	Husks			36
" (coconut)	1	R6	Leaves	20	.009	65
"	2	R30	Leaves	43	.020	132
"	3	R39	Leaves	127	.058	396
"	1	R19	Trunk borings			
"	2	R27	" "			30
"	7	R86	" "			
"	1	R8	Meat	29	.013	42
"	1	R12	Meat	48	.021	74
"	1	R13	Meat	48	.021	67
"	1	R15A	Meat	22	.010	48
"	1	R16	Meat	29	.013	51
"	1	R17	Meat	45	.020	70
"	1	R20	Meat	16	.073	49
"	2	R24	Meat	35	.016	60
"	1	R15B	Milk	12	.005	174
"		R133	Milk	12	.005	211
Fimbristylis cymosa	1	R4	Flowers	131	.060	191
"	2	R32	"	81	.037	
"	1	R3	Leaves	36	.016	130
"	2	R33	Leaves	49	.022	126
"	8	R95	"	34	.015	98
Guettarda speciosa	1	R2	"	50	.023	244
"	2	R29	"	69	.031	277
"	3	R37	"	26	.012	99
"	8	R93	"	43	.020	142
Ipomoea sp	1	R9	"	36	.016	287
Lepturus repens	1	R9	"	79	.036	205
"	2	R34	"	53	.024	116
Ochrosia parviflora	8	R97	Leaves	39	.018	138
Pandanus sp.		R130	Fruit	131	.060	666
"	1	R14	Leaves	90	.041	333
"	2	R31	"	50	.023	127
"	3	R36	"	42	.019	153
"	8	R94	"	46	.021	176
"	2	R26	Trunk borings			125
Roots	1	R5	Roots	4	.002	20
"	1	R18	Roots	7	.032	14
"	1	R21	Roots	4	.002	20
"	2	R22	"	4	.002	25
"	2	R23	"	5	.002	26
"	2	R41	"	35	.016	174
Scaevola frutescens	1	R1	Leaves	23	.010	172
"	2	R28	"	23	.010	270
"	3	R35	"	23	.010	307
"	8	R99	Leaves	26	.012	188
Tacca Leontopetaloides (arrowroot)	1	R10C	Meat	22	.010	48

Island;Species	Plot #	Specimen #	Tissue	d/m/g wet	Microcuries per kg. wet	d/m/g dry
RONGELAP Cont'd.						
Pacca Leontopetaloides	1	R10B	Peel	1"	.008	154
"	1	R10A	Whole corms	1-	.05?	8?
"		R132	Meat.native	~		~?
"	1	R11	Stems.leaves	4?	.022	26?
Triumfetta procumbens	2	R25	Leaves	1?"	.056	650