

Gross Beta Activity in Land Plants - Rongelap Atoll

Rongelap Island

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Date collected	Genus	Tissue	No of samples	Ave. d/m/g dry	Ave. μ c/kg wet
Aug. 1958	<u>Artocarpus</u>	Leaves	1	538.5	.104
"	"	Fruit	1	136.3	.018
Mar. 1958	<u>Boerhaavia</u>	Leaves	1	518	.039
Aug. 1958	"	"	1	1468.9	.100
Aug. 1953	<u>Canavalia</u>	Leaves	1	325.6	.082
Aug. 1958	<u>Carica</u>	Pulp	1	152.4	.005
Mar. 1959	"	"	4	215	.007
Aug. 1958	"	Seeds and skin	1	289.8	.018
March 1959	"	"	4	390.6	.024
Mar. 1958	<u>Cassytha</u>	Whole plant	2	155	.014
Aug. 1958	"	"	4	503.2	.040

Rongelap Island - (cont.)

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. $\mu\text{c/kg}$ wet
Mar. 1958	<u>Cocos</u>	Leaves	3	197.6	.028
Aug. 1958	"	"	4	653.4	.143
Mar. 1958	"	Trunk borings	3	30	.005
Aug. 1958	"	"	2	22.6	.004
Mar. 1958	"	Husks	1	36	.012
Aug. 1958	"	"	4	28.4	.010
Mar. 1958	"	Meat	8	57.6	.023
Aug. 1958	"	"	4	40.9	.012
Mar. 1958	"	Milk	2	192	.005
Aug. 1958	"	"	2	625.6	.011
Aug. 1958	<u>Cucurbita</u>	Leaves	2	1588	.032 *

* Includes samples of terminal and basal foliage. See tables of individual collections.

Rongelap Island - (cont.)

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. $\mu\text{C}/\text{kg}$ wet
Mar. 1958	<u>Pandanus</u>	Leaves	4	197.2	.026
Aug. 58	"	"	4	495.7	.073
Mar. 1959	"	"	5	328.9	.049
Mar. 1958	"	Fruit, edible	1	666	.060
Aug. 1958	"	" "	1	110.9	.008
Mar. 1959	"	" "	5	345.0	.030
Mar. 1958	<u>Pandanus</u>	Trunk borings	1	125	.011
Aug. 1958	"	"	1	174.8	.015
Mar. 1959	"	Stem	2	172.5	
Aug. 1958	<u>Pemphis</u>	Leaves	1	81.37	.015
Mar. 1958	Roots	Roots	6	46.5	.007
Aug. 1958	"	"	6	109	.025

Rongelap Island - (cont.)

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. μ c/kg wet
Mar. 1958	<u>Fimbristylis</u>	Leaves	3	118	.018
Aug. 1958	"	"	4	446.8	.076
Mar. 1959	"	"	3	480.6	.071
Mar. 1958	<u>Guettarda</u>	Leaves	4	190.05	.022
Aug. 1958	"	"	5	411.7	.049
Aug. 1958	"	Fruit	1	107.1	.020
Mar. 1958	<u>Ipomoea</u>	Leaves	1	287	.016
Aug. 1958	"	"	1	621.7	.055
Mar. 1958	<u>Lepturus</u>	Leaves	2	160	.030
Aug. 1958	"	"	2	864.2	.194
Mar. 1959	"	"	1	195.5	.044
Mar. 1959	<u>Messerschmidea</u>	Leaves	5	380.4	.029*

* Includes samples of terminal and basal foliage. See tables of individual collections.

Rongelap Island - (cont.)

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. $\mu\text{c/kg}$ wet
Mar. 1958	<u>Scaevola</u>	Leaves	4	234.2	.010
Aug. 1958	"	"	5	225.5	.017
Mar. 1959	"	"	7	383.4	.034 *
Mar. 1958	<u>Tacca</u>	Leaves	1	260	.022
Aug. 1958	"	"	1	343.8	.020
Mar. 1958	"	Corm, Peel	1	154	.008
Aug. 1958	"	" "	1	216.5	.016
Mar. 1958	"	Corm, whole	1	80	.059
Aug. 1958	"	" "	1	247.1	.017
Mar. 1959	"	" "	5	230	.015
Mar. 1958	Triumfetta	Leaves	1	650	.056
Aug. 1958	"	"	2	958.6	.080

* Includes samples of terminal and basal foliage. See tables of individual collections.

Eniaetok Island

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. μ c/kg wet
Aug. 1958	<u>Canavalia</u>	Leaves	1	1195	.091
Mar. 1958	<u>Cassya</u>	Whole plant	1	358	.038
Aug. 1958	"	"	2	268.9	.025
Mar. 1958	<u>Cocos</u>	Meat	1	214	.020
Aug. 1958	"	"	4	76.24	.019
Mar. 1958	<u>Cocos</u>	Milk	1	158	.002
Aug. 1958	<u>Cocos</u>	Leaves	2	441.4	.087
Mar. 1958	<u>Cucurbita</u>	Meat	1	353	.025
Mar. 1958	<u>Cucurbita</u>	Pulp, seeds	1	1649	.025

Eniaetok Island - (cont.)

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. μ c/kg wet
Mar. 1958	<u>Cucurbita</u>	Skin	1	448	.030
Mar. 1958	<u>Fimbristylis</u>	Leaves	1	332	.067
Aug. 1958	"	"	1	142.4	.028
Mar. 1958	<u>Ipomoea</u>	Leaves	2	579	.035
Aug. 1958	"	"	2	295.4	.016
Mar. 1958	<u>Messerschmidea</u>	Leaves	1	612	.042
Mar. 1958	<u>Morinda</u>	Fruit	1	199	.015
Mar. 1958	<u>Morinda</u>	Leaves	2	447	.033
Aug. 1958	"	"	2	862.2	.074
March 1958	<u>Pandanus</u>	Fruit	2	258	.035
Aug. 1958	"	"	1	77.4	.008

Eniaetok Island - (cont.)

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. μ c/kg wet
Mar. 1958	<u>Pandanus</u>	Leaves	2	224	.030
Aug. 1958	"	"	2	370.1	.062
Aug. 1958	<u>Portulaca</u>	Leaves	1	208.3	.009
Mar. 1958	Roots	Roots	2	137	.015
Mar. 1958	<u>Scaevola</u>	Leaves	2	116	.011
Aug. 1958	"	"	5	552.6	.044 *
Mar. 1958	<u>Tacca</u>	Corm, whole	1	595	.059
Aug. 1958	"	" "	2	151.9	.007
Mar. 1958	<u>Tacca</u>	Corm, peel	1	378	.030
Aug. 1958	"	" "	2	194.4	.009

*Includes samples of terminal and basal foliage. See tables of individual collections.

Eniaetok Island - (cont.)

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. μ c/kg wet
Mar. 1958	<u>Tacca</u>	Corm, center	1	176	.022
Aug. 1958	"	" "	2	222.7	.008
Aug. 1958	<u>Tacca</u>	Leaves	2	611.9	.043
Mar. 1958	<u>Triumfetta</u>	Leaves	2	562	.052
Aug. 1958	"	"	2	443.6	.036

Kabelle Island

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. μ c/kg wet
Mar. 1958	<u>Boerhaavia</u>	Leaves	6	1434	.100
Aug. 1958	"	"	7	1319	.133
Mar. 1958	<u>Cocos</u>	Leaves	3	401.6	.049
Aug. 1958	"	"	3	1926	.456
Mar. 1958	"	Husk	2	50	.017
Aug. 1958	"	"	4	229.5	.076
Mar. 1958	"	Meat	2	128.5	.015
Aug. 1958	"	"	4	96.22	.034
Mar. 1958	"	Milk	2	975	.022
Aug. 1958	"	"	2	873.5	.018
Mar. 1958	<u>Fimbristylis</u>	Leaves	1	196	.035
Aug. 1958	"	"	1	597.4	.090

Kabale Island - (cont.)

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. μ /kg wet
Mar. 1958	<u>Cuettarda</u>	Leaves	3	369	.043
Aug. 1958	"	"	3	3102	.252
Mar. 1958	<u>Lepturus</u>	Leaves	4	1278	.119
Aug. 1958	"	"	3	1494	.362
Mar. 1958	<u>Messerschmidea</u>	Leaves	3	703	.049
Aug. 1958	"	"	5	833.2	.180
Mar. 1959	"	"	6	1912	.148*
Mar. 1958	<u>Morinda</u>	Fruit	1	660	.052
Aug. 1958	"	"	1	513.5	.038
Mar. 1958	"	Leaves	2	690	.055
Aug. 1958	"	"	1	1309.2	.105
Mar. 1958	<u>Pandanus</u>	Fruit	1	246	.040
Aug. 1958	"	"	1	223.6	.021

*Includes samples of terminal and basal foliage. The number of individual

Kabelle Island - (cont.)

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. μ c/kg wet
Mar. 1958	<u>Pisonia</u>	Leaves	3	1153	.097
Aug. 1958	"	"	4	4034	.437
Mar. 1958	"	Trunk borings	2	188	.028
Aug. 1958	"	"	1	220.2	.066
Mar. 1958	<u>Portulaca</u>	Leaves	2	2762	.146
Aug. 1958	"	"	1	2929	.137
Mar. 1958	Roots	Roots	5	3431	.309
Aug. 1958	"	"	2	1987	.310
Mar. 1958	<u>Scaevola</u>	Leaves	7	380.3	.035
Aug. 1958	"	"	11	2270	.022*
Mar. 1959	"	"	7	1131	.088*
Mar. 1958	<u>Sida</u>	Leaves	1	1077	.123
Aug. 1958	"	"	1	2292.8	.817

*includes samples of terminal and basal foliage. See tables of individual collections.

Kabelle Island - (cont.)

Date collected	Genus	Tissue	No. of samples	Ave. d/m/g dry	Ave. μ c/kg wet
Aug. 1958	<u>Tacca</u>	Leaves	1	475.2	.037
Aug. 1958	<u>Tacca</u>	Corm, whole	1	952	.051
Aug. 1958	<u>Tacca</u>	Corm, peel	1	713.4	.048
Mar. 1958	<u>Triumfetta</u>	Leaves	4	472.5	.037
Aug. 1958	"	"	3	1123	.128