INTRODUCTION OF TROPICAL PLANTS

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In tropical regions, there are many kinds of crop plants which have been originated, and furthermore cultivated since ancient times. It was suggested that there are many plants, whose genetic characters have remained unascertained and left unused, both for cultivation as well as for breeding.

In recent years, natural habitats have been greatly disturbed by many kinds of developmental projects and, accordingly, these genetic resources are considered to be in danger of extinction or already exterminated. From a human life point of view, it has been stressed that these useful genetic resources should be protected from the danger of extinction at their native places as early as possible. The work on the investigation and collection of various kinds of wild and cultivated plants in tropical regions, which is to be carried out with the purpose of preservating and evaluating the unused genetic germ plasm, has been keenly needed.

Collections of crop plants have been brought into Kagoshima University from various parts of the world. They have been successively added in stocks as genetic resources, following the usual procedures of evaluation, multiplication and distribution.

In this survey, some materials for the collection were obtained from: the National Capital Botanic Gardens; PNG Forest Research Institute; and Laloki and Bubia Research Stations, Department of Agriculture and Livestock in PNG.

The materials collected were identified to be 119 strains, 69 genera and 31 families. They are listed in Table 1.

Table 1. A list of the crop plants introduced from Papua New Guinea

Code No.	Scientific name	Common name	Materials	
				strair
1	Abelmoschs manihot LINN	Aibika	Stem	5
2	Adiantum sp.		Plant	1
3	Aglaomorpha sp.		Plant	1
4	Alocasia sp.		Seed	1
5	Alpinia magnifica Roscoe	Torch ginger	Plant	1
6	Alpinia purpurata K. Schum	Red ginger	Plant	1
7	Alpinia sp.		Seed	1
8	Amorphophallus sp.		Seed	1
9	Anacardium occidetale LINN.	Cashew	Seed	1
10	Annona muricata LINN.	Soursop	Seed	1
11	Annona squamosa LINN.	Sugar apple	Seed	1
12	Annona reticulata LINN.	Common Custard apple	Seed	1
13	Aristolochia elegans M.T.Mast	Calico flower	Seed	1
14	Artocarpus heterophyllus LAM.	Jackfruit	Seed	1
15	Asplenium sp.		Plant	1
16	Blechnum sp.		Plant	1
17	Cajanus cajan (LINN.) MILLSP.	Pigeon pea	Seed	1
18	Calathea sp.		Plant	1
19	Canarium commune LINN.	Java almond	Seed	1
20	Canna sp.		Seed	1
21	Carica papaya LINN.	Papaya	Seed	1
22	Cassia fistula LINN.	Golden shower	Seed	1
23	Cinnamomum zeylanicum NEES.	Cinnamon	Seed	1
24	Clitoria sp.	· · · · · · · · · · · · · · · · · · ·	Seed	1
25	Clitoria ternaea LINN.	Butter fly pea	Seed	1
26	Cocos nucifere LINN.	Coconut palm	Fruit	2
27	Coffea arabica LINN.	Coffee	Seed	1
28	Colysis sp.	Correc	Plant	1
29	Cosmos bipinnatus Cav.		Seed	1
30	Costus malorieanus H. Wendl.	Spiral ginger	Plant	1
31	Costus sp.	Spirar ginger	Seed	1
32	Crypsinus sp.		Plant	1
33	-		Plant	1
34	Cyathea sp.			
3 4 35	Cyclosorus sp.	T 44.	Plant	1
	Cyphomandra betacea MIERS	Tree tomato	Seed	1
36	Dioscorea spp.	Yams	Tuber	20
37	Diplazium sp.		Plant	1
38	Drynaria sp.	0.1 - 1	Plant	1
39	Elaeis guineensis JACQ.	Oil palm	Seed	1
40	Eucalyptus sp.	au I I I I I I I I I I I I I I I I I I I	Seed	1
41	Gloriosa sperba	Climing lily	Seed	1
42	Hedychium sp.		Plant	1
43	Heliconia sp.		Plant	1
44	Humata sp.		Plant	1

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Code No.	. Scientific name	Common name	Materials	No. o
				strains
45	Inocarpus edulis FORST.	Tahiti chestnut	Seed	1
46	Kaempheria atrovirens		Plant	1
47	Lagerstroemia speciosa LINN.	Pride of indica	Seed	1
48	Leptochilus sp.		Plant	1
49	Lycopodium sp.		Plant	1
50	Lygodium sp.		Plant	1
51	Mangifera indica LINN.	Mango	Seed	1
52	Microlopia sp.		Plant	1
53	Microsorium sp.		Plant	1
54	Momordica charantia LINN.	Bitter gourd	Seed	1
55	Nephrolepis sp.		Plant	1
56	Nicolaia sp.		Plant	1
57	Oryza sativa LINN.	Rice	Seed	15
58	Passiflora eduis SIMS. f. flavicarpa	Yellow passion fruit	Seed	1
	DEGENER			
59	Passiflora sp.		Seed	1
60	Persea americana MILL.	Avocado	Seed	1
61	Pityrogramma sp.		Plant	1
62	Platyeerium sp.		Plant	1
63	Polypodium sp.		Plant	1
64	Polystichum sp.		Plant	1
65	Pseudodrynaria sp.		Plant	1
66	Pteris sp.		Plant	1
67	Pyrrosia sp.		Plant	1
68	Saccharum spp.	Sugar cane	Stem	10
69	Selaginella sp.		Plant	1
70	Theobroma cacao LINN.	Cacao	Seed	1
71	Vittaria sp.		Plant	1
72	Zingiber spp.		Plant	1