

A Preliminary Checklist of the Flora of Rotuma with Rotuman Names¹

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ABSTRACT: The terrestrial flora of the Rotuma island group consists of over 500 species of indigenous and introduced plants. Although the environment of these islands has been highly modified by the Rotuman people, areas of ancient forest have survived. We provide here a list of the taxa identified by ourselves and others from Rotuma in the Bryophyta, Microphyllphyta, Pteridophyta, Coniferophyta, and Anthophyta.

ROTUMA IS A GROUP of 10 volcanic islands that was administered as part of the British Crown Colony of Fiji from 1881 until Fijian independence in 1970. Since 1970, Rotuma administratively has remained a part of the independent nation of Fiji. It is located at 12° 30' S, 177° 05' E, about 450 km north-northwest of the main Fiji group and 400 km southwest of Tuvalu (Figure 1A). The indigenous Polynesian population of Rotuma in the 1996 census was 9727, with 2580 resident in Rotuma and 7147 living elsewhere in Fiji (Fiji Bureau of Statistics 1996). Of Rotuma's 10 volcanic islands, the largest, with an area of about 44 km², is the main island, Rotuma (Figure 1B). The island of Uea is the second largest island, having a surface area of just over 1 km². It is the highest island in the group, with an elevation of 260 m. The other eight islands are currently uninhabited but serve as resource islands for the Rotuman people and may have served as refuges for certain elements of the native flora. A good description of the geology of the islands has been provided by Woodhall (1987), but there has been no published research yet to correlate the geology and geography with the distribution of Rotuman plants.

Rotuma Island is composed of at least 21 small volcanic peaks (or hills) and craters that provide many gentle slopes and some steep inclines but no peaks of substantial height. Valleys found in and between volcanic cones form a ring plain in the center of Rotuma. These are filled with rich soils developed from erosion of the surrounding hills (Laffan et al. 1982, Ladefoged 1993). Historical accounts from the 1800s emphasize the abundance of food and the high fertility of the interior valleys (ring plain) (Bennett 1831, Lesson 1839). No permanent rivers exist on Rotuma (one does exist on Uea), but many temporary stream flows occur following frequent storms. Areas without rich soils are covered in more recent lava flows or, in lower areas, mixtures of sand and nutrient-poor, swampy soils. Rotuma's climate is tropical oceanic with a fairly even distribution of rain throughout the year (although dry periods can occur), with an average rainfall of 335 cm (Woodhall 1987). Temperatures range from 22 to 33°C with an annual mean of 26.7°C (Mueller-Dombois and Fosberg 1998). In general the climate supports a lush growth of plants on all land features.

St. John (1954) described Rotuma Island as largely converted to copra production, with the native forest being cleared. He described two areas on Rotuma Island, Kilinga and Pepjei, as well as the isolated island of Uea as representing the only remaining areas of native forest. These areas had survived because of the rugged terrain and lack of soil suitable for agriculture. This picture has not

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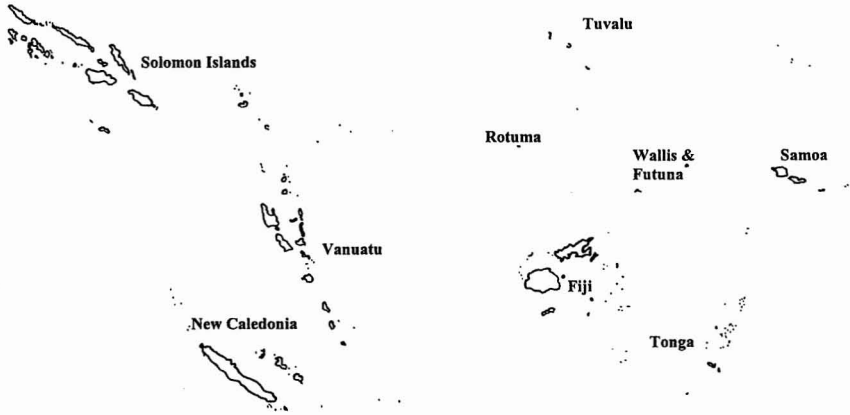
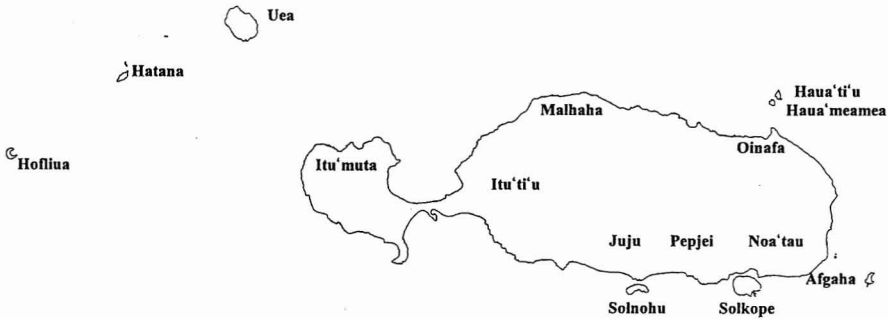
A**B**

FIGURE 1. *A*, The southwestern Pacific area. *B*, The Rotuma island group.

changed substantially since St. John's fieldwork in 1938. However, "copra has declined in importance as a major source of income, although it remains Rotuma's main export" (Rensel 1994: 66). There has been, as stressed by Clarke and Thaman (1993), development and maintenance of a polycultural agroforestry system, employing a diversity of

root crops, banana and plantain cultivars, and other planted and protected useful trees. Pig rearing, often within elaborate stone-walled pens, is also an integral component of the agricultural system and has been recognized by Rotumans as having a considerable impact on the vegetation, especially herbaceous understory species and species with

vulnerable juvenile stages. Human population pressures on Rotuma have decreased over the last 30 yr with heavy migrations to Fiji, New Zealand, and Australia. The 1956 census reported a population of 2993 Rotumans on Rotuma (as cited in Rensel 1997). In 1991, during our research, the population was estimated by the District Officer to be at around 2500 people. Evidence of a substantial level of depopulation over the years is widespread, with many vacant houses, open house foundations, and fallow gardens being found throughout the island. This is partially due to population migrations and partially due to changing from traditional to modern housing (Rensel 1997).

The earliest European botanical exploration of the islands occurred less than 2 yr before 1831, when George Bennett stayed for a short period on his way to Australia (Bennett 1831, 1860). Other early plant collectors who visited Rotuma and provided limited comments on the flora during the 1800s were Sir John Thurston (undated manuscript, "Ramble on Rotuma," in Thurston private papers, Fiji National Archives, Suva) and J. Stanley Gardiner (Gardiner 1898). Terrestrial botanical literature from Rotuma is largely limited to the published and unpublished results of St. John's 1938 trip to the islands (St. John 1938*a,b*, 1954, 1970*a,b*, 1975, n.d., Bartram 1943), very short agricultural reports (Parham 1941, Hartley 1963, Brodie 1982), and ethnobotanical studies (McClatchey and Cox 1992, McClatchey 1993*a,b*, 1996*a,b*, Thaman and Clarke 1993). Although Rotuma is politically part of Fiji, it was specifically excluded from the most recently published flora of Fiji (Smith 1979, 1981, 1985, 1988, 1991) and from the floristic inventory of Fiji (Ash and Vodonaivalu 1989). In addition to studies of terrestrial plants, identification of the surrounding reef algae has been carried out by N'Yeurt and South (N'Yeurt 1993*a,b*, 1995, 1996, South and N'Yeurt 1993, South et al. 1993, N'Yeurt et al. 1996). The study reported here is limited to terrestrial botany with the exception of angiosperms that have invaded the marine environment.

MATERIALS AND METHODS

Many botanists and other plant collectors have visited Rotuma, recording their observations and preparing herbarium vouchers. The following individuals are known to have collected from Rotuma: George Bennett, Todd Capsin, William Clarke, Paul Cox, J. Stanley Gardiner, D. Hassall, V. Kauvale, Harley Manner, Will McClatchey, Antoine N'Yeurt, Michael Stevens, Harold St. John, Randy Thaman, John Thurston, Saula Vodonaivalu, A. K. Waqatabu, and Arthur Whistler. In addition, specimens have been found in several herbaria with no collector listed, and a Fiji Department of Agriculture number has been assigned to the specimens.

The main research by McClatchey, Thaman, Vodonaivalu, Clarke, and Manner took place in conjunction with several of the other listed researchers beginning in 1985 and ending in 1994, with about 8 months being spent in the island group. As part of our continuing studies of culturally important plants, we surveyed all major terrestrial ecosystems in each of the seven political districts of Rotuma: Noa'tau, Oinafa, Malhaha, Itu'muta, Itu'ti'u, Juju, and Pepjei (Figure 1*B*). Plant specimens were collected as encountered in nonvillage settings. Some plants of notable cultural importance were also collected from within villages, but most ornamentals were not. Each of the islands was visited although most collection time was dedicated to Rotuma and Uea. Our voucher specimens were added to those of previous work already found in herbaria (BISH, H, K, SUVA, and US).

Names for plants were provided by Rotuman collaborators. Names were either freely assigned in the field by Rotuman guides or were assigned in village group sessions with Rotuman elders reviewing specimens, discussing names, and reaching a consensus. All names recorded are the result of at least two independent reports of the same name. In some cases a plant name was only provided by a single informant. These names have not been included. In a few cases two different names were each independently verified so we have chosen to report both. The written

Rotuman language system incorporates a system of diacritical marking on many of the vowels. These have been omitted but in many cases can be found by referencing the Rotuman dictionary (Inia et al. 1998).

RESULTS

The checklist of Rotuman plants (Appendix 1) is a compilation of the herbarium sheets available in the acknowledged herbaria as well as our own private collections, which will be placed in BISH, BRY, and SUVA. In addition, some species have been noted as being present by the authors and others but are not represented by preserved collections (the listing for these species is marked with an asterisk).

The family names and circumscriptions used for grouping of species represent current nomenclatural understandings. In some cases this means that species names or familial affiliations differ from recent South Pacific floras. Because Rotuma is politically a part of the Republic of Fiji, where the floras of Smith (1979, 1981, 1985, 1988, 1991) and Parham (1972) are used, the volume and page number from these floras is recorded for each species in the checklist after the species listing. It is hoped that this cross-index will facilitate use of the checklist while still accurately reflecting current taxonomic revisions. Nomenclature of bryophytes follows Bartram (1943). As far as is known, no other work on Rotuman Bryophyta has occurred. Pteridophytes are organized into families following Tryon and Tryon (1982). The one gymnosperm is presented following the system of Kubitzki (1990). Monocotyledons are organized following Dahlgren et al. (1985) as modified by Stevenson and Loconte (1995). Dicotyledons are organized following Thorne (1992) as modified by Judd et al. (1994). In certain cases, this has meant that commonly recognized families from other South Pacific studies have been recombined, recondensed, and recircumscribed to more accurately represent their hypothesized phylogenies (i.e., Araliaceae/Apiaceae, Asclepiadaceae/Apocynaceae, Cappariadaceae/Brassicaceae,

Cassythaceae/Lauraceae, Cuscutaceae/Convolvulaceae, Punicaceae/Lythraceae, Verbenaceae/Lamiaceae, and the families of Liliopsida [sensu Cronquist 1988]).

DISCUSSION

The taxa listed in Appendix 1 indicate an overwhelming majority of angiosperms. The ferns (St. John 1954) compose the next most common group, with only a few bryophytes having been identified. The only member of the Coniferophyta is a species of introduced timber trees that are not growing very well (although they have attained a height of at least 15–20 m). Much of the presented flora has been introduced, largely by the Rotumans and missionaries (ornamentals, weeds, and crops). The Fiji government has also directly or indirectly introduced numerous grasses and weeds through the experimental stations in Fiji and Rotuma and through government aid in the form of cattle (arriving with their botanical baggage). The patterns of these introductions and their impacts will be discussed in a future presentation.

Rotuman names for plants may be generalized to glosses based upon (1) large biological discontinuities (Brown 1984), (2) generic ranks (Berlin et al. 1973), or (3) specific "species" and "varieties" (Berlin et al. 1973, Brown 1977) that may be labeled as binomials. Examples of plant names based upon large biological discontinuities include *julia*, "fern"; *pupu*, "grass or grasslike"; and *faga*, "vine." Examples of generic names include 'apea, *Alocasia*; kapui, *Alpinia* or *Hedychium*; maliha, "lily"; pari, *Musa* or *Heliconia*; sasa, *Piper*; and tiere, *Gardenia* or *Jasminum*. Examples of specific names include 'apea mamala, *Alocasia macrorrhiza*; kapui mi'a, *Alpinia purpurata*; maliha ne uasta, *Zephyranthes candida*; par Samoa, *Heliconia laufao*; and tier toga, *Gardenia vitiensis*.

Most introduced plants were either given no name by our Rotuman collaborators or given descriptive names (e.g., *huas fisi*, literally "white flowers"). Introduced plants that are morphologically or functionally similar to traditionally important plants generally

have names that indicate this relationship (e.g., sa'aga Fiti, literally "the sa'aga from Fiji"). Finally, some introduced plants are commonly known by Rotumanized versions of their English names (e.g., "honeysuckle," hanisaka; "mango," magko; "pineapple," ponapa; and "vanilla," vanila).

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APPENDIX I

A PRELIMINARY CHECKLIST OF THE FLORA OF ROTUMA WITH ROTUMAN NAMES

TAXON	ROTUMAN NAME(S)
Bryophyta	
<i>Exodictyon dentatum</i> (Mitt.) Card	none reported ^a
<i>Isopterygium minutirameum</i> (C.M.) Jaeg.	none reported ^a
<i>Leucophanes smaragdinum</i> (Mitt.) Par.	none reported ^a
<i>Pelekium velatum</i> Mitt.	none reported ^a
<i>Thuidium plumulosum</i> Dozy & Molk.	none reported ^a
<i>Vesicularia hamata</i> Bartr.	none reported ^a
<i>Vesicularia inflectens</i> (Brid.) C.M.	none reported ^a
Pteridophyta	
Aspleniaceae	
<i>Asplenium adiantoides</i> (L.) C.Chr. (P59) ^b	none reported ^a
<i>Asplenium falcatum</i> Lam.	sakoto
<i>Asplenium nidus</i> L. (P60)	kukulufi
Blechnaceae	
<i>Blechnum orientale</i> L. (P58)	julia roroa
Davalliaceae	
<i>Davallia solida</i> (Forst.f.) Sw. (P42)	julia ^c
<i>Nephrolepis biserrata</i> (Sw.) Schott (P43)	julia ^c
<i>Nephrolepis hirsutula</i> (Forster) Presl. (P44)	julia ^c
Dennstaedtiaceae	
<i>Lindsaea ensifolia</i> Sw. (P36)	julia ^c
<i>Microlepia scaberula</i> Mett. ex Kuhn. (P37)	julia ^c
Dryopteridaceae	
<i>Athyrium polyanthes</i> (Soland ex Baker) Copel.	julia ^a

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
<i>Tectaria dimorpha</i> H. St. John (P56)	none reported ^a
<i>Tectaria stearnsii</i> Maxon (P57)	sakoto
Gleicheniaceae	
<i>Dicranopteris linearis</i> (Burm.) Underwood (P28)	julia ^c
Hymenophyllaceae	
<i>Crepidopteris humilis</i> (Forst.) Copel. (P32)	lum usa
<i>Gonocormus minutus</i> (Bl.) v.d. Bosch	none reported ^a
Lycopodiaceae	
<i>Lycopodium carinatum</i> Desv. ex Poir (P22)	julia ^c
<i>Lycopodium cernuum</i> L. (P22)	julia ^c
<i>Lycopodium hamiltonii</i> Spreng. (P22)	julia ^c
<i>Lycopodium phlegmaria</i> L. (P22)	julia ^c
Marattiaceae	
<i>Angiopteris erecta</i> (Forst.f.) Hoffm. (P25)	mbalambala ^d
Ophioglossaceae	
<i>Ophioglossum pendulum</i> L. (P25)	repene
Polypodiaceae	
<i>Phymatosorus scolopendria</i> (Burm.) Ching (P65)	seisei
Psilotaceae	
<i>Psilotum nudum</i> (L.) Griseb. (P24)	julia, pupu
Pteridaceae	
<i>Acrostichum aureum</i> L. (P33)	hana meamea
<i>Adiantum capillus-veneris</i> L. (P33)	none reported ^a
<i>Pteris comans</i> Forst.f. (P38)	julia ^c
<i>Pteris ensiformis</i> Burm. (P39)	sere, sir ^c ia
<i>Pteris pacifica</i> Hieron (P40)	sakoto
<i>Pteris tripartita</i> Sw. (P40)	julia ma'on moa
Schizaeaceae	
<i>Schizaea dichotoma</i> (L.) Sm. (P27)	julia ^c
Thelypteridaceae	
* <i>Cyclosorus interruptus</i> (Willd) H. Ito	none reported ^a
<i>Cyclosorus rotumaensis</i> H. St. John (P50)	sakoto
<i>Cyclosorus unitus</i> (L.) Ching (P51)	sakoto
<i>Lastrea tenericaulis</i> (Hook.) Moore (P54)	none reported ^a
<i>Thelypteris torresiana</i> (Gaud.) Alston (P54)	none reported ^a
Vittariaceae	
<i>Antrophyum plantagineum</i> (Cav.) Kaulf. (P65)	none reported ^a
<i>Vittaria elongata</i> Sw. (P67)	none reported ^a
Coniferophyta	
Pinaceae	
<i>Pinus caribaea</i> Morelet (P71,S1 : 115)	none reported ^e
Anthophyta	
Monocotyledonae	
Agavaceae	
* <i>Hosta</i> sp.	none reported ^e
<i>Yucca</i> sp.	none reported ^e
Alliaceae	
<i>Allium ascalonicum</i> L. (S1 : 147)	ani, ^f ana ^f
* <i>Allium fistulosum</i> L.	none reported ^e
Amaryllidaceae	
<i>Amaryllis rosea</i> Spreng.	none reported ^e
<i>Crinum asiaticum</i> L. (P364,S1 : 157)	maliha
<i>Crinum scabrum</i> Herb.	maliha ^c
<i>Eucharis grandiflora</i> Planch. & Linden (P364,S1 : 158)	lili ^f
<i>Hippeastrum</i> × <i>johnsonii</i> Bury	none reported ^e
* <i>Hippeastrum puniceum</i> (Lam.) Urb. (S1 : 160)	none reported ^e
* <i>Hymenocallis littoralis</i> (Jacq.) Salisb. (P364,S1 : 158)	maliha ^c

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
<i>Pancratium amboinensis</i> L.	none reported ^e
* <i>Zephyranthes candida</i> (Lindl.) Herb.	maliha ne uasta, pala rua
Araceae	
* <i>Alocasia cucullata</i> (Lour.) Schott (P359,S1 : 454)	'apea' ^f
<i>Alocasia macrorrhiza</i> (L.) G. Don (S1 : 455)	'apea mamala, 'apea vara
* <i>Alocasia sanderiana</i> Bull.	'apea' ^f
<i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson (P360,S1 : 447)	soa, soro
<i>Anthurium andraeanum</i> Linden (P360,S1 : 445)	none reported ^e
<i>Caladium bicolor</i> (Ait.) Vent. (P361,S1 : 458)	'apea rau tustusi' ^f
<i>Colocasia esculenta</i> (L.) Schott (P361,S1 : 456)	papula
<i>Cyrtosperma chamissonis</i> (Schott) Merr. (P362,S1 : 451)	papai
* <i>Dieffenbachia seguine</i> (Jacq.) Schott. (P362,S1 : 452)	none reported ^e
<i>Epipremnum pinnatum</i> (L.) Engler (P362,S1 : 441)	rau varu
* <i>Syngonium</i> sp.	none reported ^e
<i>Xanthosoma sagittifolium</i> (L.) Schott (P363,S1 : 459)	'apea man pofo' ^f
Arecaceae	
<i>Cocos nucifera</i> L. (P369,S1 : 437)	niu
<i>Livistonia chinensis</i> (Jacq.) R. Br. (P371,S1 : 395)	none reported ^e
<i>Metroxylon warburgii</i> (Heim.) Becc.	ota
<i>Phoenix dactylifera</i> L. (P371,S1 : 400)	none reported ^e
<i>Phoenix sylvestris</i> (L.) Roxb. (S1 : 401)	none reported ^e
<i>Pritchardia pacifica</i> Seem. & H. Wendl. (P373,S1 : 397)	fak maru
<i>Ptychosperma macarthurii</i> (H. Wendl. ex Veitch) H. Wendl. ex Hook.f. (P373,S1 : 423)	none reported ^e
Asparagaceae	
<i>Asparagus setaceus</i> Baker 'plumosus' (P357,S1 : 163)	none reported ^e
* <i>Asparagus densiflorus</i> Regel 'Sprengeri'	none reported ^e
Asphodelaceae	
<i>Aloe vera</i> (L.) Burm.f.	alo' ^f
Bromeliaceae	
<i>Ananas comosus</i> (L.) Merr. (P352,S1 : 275)	ponapa' ^f
Cannaceae	
<i>Canna indica</i> L. (P356,S1 : 216)	gasau
Colchicaceae	
<i>Gloriosa superba</i> L. (P357,S1 : 141)	none reported ^e
Commelinaceae	
<i>Aneilema vitiense</i> Seem. (P351,S1 : 278)	pup' ^c
<i>Commelina diffusa</i> Burm.f. (P351,S1 : 280)	pup, ^c sau rangi
<i>Tradescantia discolor</i> L'Hérit. (S1 : 281)	none reported ^e
* <i>Tradescantia pallida</i> (Rose) D. Hunt	none reported ^e
<i>Tradescantia zebrina</i> Loudon	none reported ^e
Cymodoceaceae	
<i>Syringodium isoetifolium</i> (Aschers.) Dandy (P350,S1 : 137)	pupu, ^c lumu' ^c
Cyperaceae	
<i>Cyperus compressus</i> L. (P391,S1 : 249)	pup' ^f
<i>Cyperus laevigatus</i> L.	none reported ^e
<i>Cyperus rotundus</i> L. (P392,S1 : 249)	pupu' ^f
<i>Eleocharis geniculata</i> (L.) Roemer & Schultes (P393,S1 : 240)	none reported ^e
<i>Fimbristylis atollensis</i> St. John	pupu' ^c
* <i>Fimbristylis cymosa</i> R. Br. (P393,S1 : 243)	none reported ^e
<i>Fimbristylis dichotoma</i> (L.) Vahl (P393,S1 : 243)	none reported ^e
<i>Kyllinga brevifolia</i> Rottb. (P390,S1 : 261)	none reported ^e
<i>Kyllinga nemoralis</i> (J. R. & G. Forst.) Dandy × Hutch. & Dalziel (S1 : 262)	none reported ^e
<i>Kyllinga polyphylla</i> Willd. ex Kunth (S1 : 260)	none reported ^e
<i>Mariscus cyperinus</i> (Retz.) Vahl (P391,S1 : 256)	none reported ^e
<i>Mariscus javanicus</i> (Houtt.) Merr. & Metcalfe (P391,1 : 253)	sere' ^c
<i>Scirpodendron ghaeri</i> (Gaertn.) Merr. (P394,S1 : 222)	rau mena

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
<i>Scleria lithosperma</i> (L.) Sw. (P395,S1 : 234)	somo
<i>Scleria polycarpa</i> Boeck. (P395,S1 : 232)	somo, sere
<i>Torulinium odoratum</i> (L.) S. Hooper (S1 : 257)	sere ^c
Dioscoreaceae	
<i>Dioscorea alata</i> L. (P365,S1 : 170)	'uhi
<i>Dioscorea bulbifera</i> L. (P365,S1 : 168)	fui, favi
<i>Dioscorea esculenta</i> (Lour.) Burkill (P365,S1 : 168)	favi
<i>Dioscorea nummularia</i> Lam. (P366,S1 : 170)	fua kele, paroi
Dracaenaceae	
<i>Cordyline fruticosa</i> (L.) A. Chev. (P366,S1 : 149,5 : 582)	ji, rauji
* <i>Dracaena fragrans</i> (L.) Ker-Gawler. (P367,S1 : 152)	none reported ^e
Heliconiaceae	
<i>Heliconia indica</i> Lam. (P353,S1 : 188)	pari, ^f par Samoa
<i>Heliconia lauffao</i> Kress	par Samoa
<i>Heliconia marginata</i> (Griggs) Pittier	none reported ^e
<i>Heliconia rostrata</i> Ruiz & Pavon (P353,S1 : 190)	none reported ^e
Iridaceae	
<i>Belamcanda chinensis</i> (L.) DC.	repen ^f
* <i>Gladiolus</i> × <i>hybridus</i> Hort. ex E. Rodigas (P365,S1 : 178)	none reported ^e
<i>Iris</i> sp.	none reported ^e
Musaceae	
<i>Musa</i> (AAA Group) Simmonds ('Gros Michel', 'Cavendish') (P353,S1 : 184)	pari
<i>Musa</i> (ABB Group) Simmonds ('Bluggoe', 'Blue Java') (P353,S1 : 185)	pari
<i>Musa</i> (AAB Group) Simmonds ('Pome', 'Vudi') (P353,S1 : 183)	pari
<i>Musa troglodytarum</i> L. (S1 : 185)	sei
Orchidaceae	
<i>Eulophia pulchra</i> (Thou.) Lindl. (S5 : 511)	none reported ^d
<i>Hetaeria oblongifolia</i> Bl. (P384,S5 : 362)	none reported ^d
<i>Malaxis latiseptala</i> (Rolfe) C. Schweinf. (P385,S5 : 376)	none reported ^d
<i>Malaxis</i> sp. (P385,S5 : 368)	none reported ^d
<i>Papilionanthe teres</i> (Roxb.) Schlechter (P389,S5 : 542)	none reported ^d
<i>Spathoglottis pacifica</i> Reichenb.f. (P388,S5 : 477)	none reported ^d
<i>Vanilla planifolia</i> Jackson (P389,S5 : 338)	vanila ^f
Pandanaceae	
<i>Pandanus basalticola</i> H. St. John	hata
<i>Pandanus compressus</i> Martelli	hosoa
<i>Pandanus dubius</i> Spreng.	hosoa
<i>Pandanus sinicola</i> A. C. Smith (P376,S1 : 489)	hata
<i>Pandanus tectorius</i> Warb. (P376,S1 : 494)	hata, sa'aga, kiakia
<i>Pandanus variegatus</i> Miq.	sa'aga farfisi
* <i>Pandanus whitmearianus</i> Martelli (P378,S1 : 485)	sa'aga Fiti, iap Fiti
Poaceae	
<i>Bambusa vulgaris</i> Schrader ex Wendl. (P396,S1 : 295)	vao
* <i>Brachiaria mutica</i> (Forsk.) Stapf. (P397,S1 : 329)	none reported ^e
<i>Brachiaria subquandripara</i> (Trin.) Hitchc. (P397,S1 : 332)	none reported ^e
<i>Cenchrus echinatus</i> L. (P398,S1 : 357)	none reported ^e
<i>Centosteca lappacea</i> (L.) Desv. (P398,S1 : 297)	sauragi ^e
<i>Chrysopogon aciculatus</i> (Retz.) Trin. (S1 : 378)	none reported ^d
<i>Cymbopogon citratus</i> (DC) Stapf (P399,S1 : 379)	maigar, asi
<i>Cynodon dactylon</i> (L.) Pers. (P399,S1 : 309)	none reported ^d
<i>Cyrtococcum oxyphyllum</i> (Hochst. ex Steud.) Stapf (P399,S1 : 351)	sau rahi pen tot maf
<i>Dichanthium caricosum</i> (L.) A. Camus (P400,S1 : 383)	sau rahi ^f
<i>Digitaria ciliaris</i> (Retz.) Koeler (P400,S1 : 326)	none reported ^d
<i>Digitaria setigera</i> Roth. ex Roemer & Schultes (S1 : 327)	none reported ^d
* <i>Digitaria violascens</i> Link (P401,S1 : 324)	sau rag ^f
<i>Echinochloa colona</i> (L.) Link (P401,S1 : 341)	pupu ne rana, sau rag
<i>Eleusine indica</i> (L.) Gaertn. (P402,S1 : 304)	none reported ^e
<i>Eragrostis tenella</i> (L.) Beauv. ex Roemer & Schultes (P402,S1 : 303)	none reported ^e

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
* <i>Ischaemum indicum</i> (Houtt.) Merr. (P404,S1 : 373)	none reported ^e
<i>Lepturus repens</i> (Forst.f.) R. Br. (P405,S1 : 313)	none reported ^a
<i>Miscanthus floridulus</i> (Labill.) Warb. ex K. Schum. & Lauterb. (P406,S1 : 366)	kasa
* <i>Oplismenus compositus</i> (L.) Beauv. (P406,S1 : 343)	none reported ^e
<i>Oplismenus hirtellus</i> (L.) Beauv. (P406,S1 : 343)	sere ^f
* <i>Panicum repens</i> L.	none reported ^e
<i>Paspalum conjugatum</i> Bergius (P407,S1 : 336)	sau rag pen tot mafa ^f
<i>Paspalum distichum</i> L. (P407,S1 : 336)	pupu ^f
<i>Paspalum paniculatum</i> L. (P408,S1 : 335)	none reported ^e
<i>Pennisetum polystachion</i> (L.) J. A. & J. H. Schultes (P408,S1 : 359)	none reported ^e
<i>Polytrias amaura</i> (Buese) Kuntze (P409,S1 : 368)	none reported ^e
<i>Saccharum officinarum</i> L. (P409,S1 : 369)	fo'u
<i>Schizostachyum glaucifolium</i> (Rupr.) Munro (P410,S1 : 294)	'u'u'ia
* <i>Sporobolus diander</i> (Retz.) Beauv. (P411,S1 : 308)	none reported ^e
<i>Sporobolus jacquemontii</i> Kunth (P412,S1 : 307)	none reported ^e
<i>Stenotaphrum micranthum</i> (Desv.) Hubb. (P412,S1 : 353)	none reported ^a
<i>Thuarea involuta</i> (Forst.f.) R. Br. ex Roemer & Schultes (P412,S1 : 354)	none reported ^a
* <i>Vetiveria zizanioides</i> (L.) Nash (P413,S1 : 377)	'asi, usi
* <i>Zea mays</i> L. (P413,S1 : 387)	korn, ^f kono ^f
Taccaceae	
<i>Tacca leontopetaloides</i> (L.) Kuntze (P378,S1 : 172)	mar fea
Zingiberaceae	
<i>Alpinia macrocephala</i> K. Schum. (P354,S1 : 212)	kapui fisi
<i>Alpinia purpurata</i> (Vieill.) K. Schum. (P354,S1 : 211)	kapui mi'a
<i>Alpinia vittata</i> Bull. (S1 : 212)	kapui ^e
<i>Alpinia zerumbet</i> (Pers.) Burt & R. M. Sm. (S1 : 214)	kapui ^f
<i>Alpinia</i> sp. (P354,S1 : 202)	kapui Rotuam, kapui re lolo
<i>Curcuma longa</i> L. (P355,S1 : 196)	raga
<i>Hedychium coronarium</i> Koenig (P355,S1 : 197)	kapui fisi ^f
<i>Hedychium flavescens</i> Carey ex Roscoe	kapui perperi ^f
<i>Zingiber officinale</i> Roscoe (P356,S1 : 194)	none reported ^e
<i>Zingiber zerumbet</i> (L.) Sm. (P356,S1 : 194)	rag'apua
Dicotyledonae	
Acanthaceae	
<i>Blechum pyramidatum</i> (Lam.) Urb. (P337,S5 : 121)	none reported ^e
* <i>Graptophyllum pictum</i> (L.) Griff. (P338,S5 : 128)	none reported ^e
* <i>Hemigraphis alternata</i> (Burm.f.) T. Anders. (S5 : 120)	none reported ^e
* <i>Pseuderanthemum carruthersii</i> (Seem.) var. <i>carruthersii</i> Guill. (S5 : 134)	none reported ^e
* <i>Pseuderanthemum carruthersii</i> (Seem.) var. <i>reticulatum</i> Fosb. (S5 : 134)	none reported ^e
* <i>Thunbergia erecta</i> var. <i>atropurpureum</i> (Benth.) T. Anders. (P339,S5 : 117)	puka ^f
<i>Thunbergia fragrans</i> Roxb. (P339,S5 : 118)	none reported ^e
Amaranthaceae	
<i>Achyranthes aspera</i> L. (P315,S2 : 290)	sere ^f
<i>Achyranthes canescens</i> R. Br.	sere ^f
* <i>Alternanthera amoena</i> (Lam.) Voss	none reported ^e
<i>Alternanthera bettzickiana</i> (Recquel) Standl. (P315,S2 : 292)	none reported ^e
<i>Alternanthera sessilis</i> (L.) R. Br. ex DC (P315,S2 : 292)	'ai reag somu ^f
<i>Amaranthus tricolor</i> L. (P315,S2 : 286)	none reported ^e
<i>Amaranthus viridis</i> L. (P316,S2 : 286)	none reported ^e
<i>Cyathula prostrata</i> (L.) Bl. (P316,S2 : 289)	none reported ^e
<i>Gomphrena globosa</i> L. (P316,S2 : 293)	akamaliga ^f
Anacardiaceae	
* <i>Dracontomelon vitiense</i> Engl. (P249,S3 : 454)	faorau, fau rau
<i>Mangifera indica</i> L. (P249,S3 : 450)	magko ^f
<i>Pleiogynium timoriense</i> (DC) Leenh. (P249,S3 : 456)	none reported ^a
<i>Spondias dulcis</i> Soland. ex Parkinson (P250,S3 : 452)	vi

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
Annonaceae	
<i>Annona murcata</i> L. (P77,S2:39)	'ai puoi mamam ^f
<i>Annona reticulata</i> L. (P78,S2:40)	fat manava, ^f fat manao ^f
* <i>Annona squamosa</i> L. (P78,S2:39)	fat manava, ^f 'ai piol moumou ^f
<i>Artabotrys uncinatus</i> (Lam.) Merr.	none reported ^e
<i>Cananga odorata</i> (Lam.) Hook.f. & Thouars (P78,S2:37)	moskoi
Apiaceae	
<i>Centella asiatica</i> (L.) Urban (P320,S3:655)	ti togo
<i>Daucus carota</i> L. var. <i>sativa</i> DC (P320,S3:657)	none reported ^e
<i>Petroselinum crispum</i> (Mill.) Nyman ex Airy Shaw (P320,S3:660)	none reported ^e
<i>Polyscias fruticosa</i> (L.) Harms (P129,S3:640)	tantane rau he heap
* <i>Polyscias guilfoylei</i> (Cogn. & March.) Bailey (P129,S3:638)	none reported ^a
<i>Polyscias scutellaria</i> (Burm.f.) Fosb. (P129,S3:638)	sasa, tanetane
<i>Schefflera</i> sp. (P129,S3:648)	none reported ^a
Apocynaceae	
<i>Allamanda cathartica</i> L. (P256,S4:100)	none reported ^e
<i>Alyxia stellata</i> (J. R. & G. Forst.) Roemer & Schultes (P259,S4:57)	ma'iro
<i>Asclepias curassavica</i> L. (P263,S4:109)	'ai peapusu, ^f 'ai pen pulu ^f
<i>Carruthersia scandens</i> (Seem.) Seem. (P260,S4:79)	fag kele
<i>Catharanthus roseus</i> (L.) G. Don (P261,S4:85)	none reported ^e
<i>Cerbera manghas</i> L. (P261,S4:89)	giagia
<i>Hoya australis</i> R. Br. ex Traill (P263,S4:118)	hoi ^f
<i>Hoya diptera</i> Seem. ex A. Gray (P263,S4:123)	hoi
<i>Nerium oleander</i> L. (P261,S4:103)	sasa, rosasa ^f
<i>Ochrosia oppositifolia</i> (Lam.) K. Schum. (P261,S4:54)	haohao
<i>Parsonsia laevis</i> (A. Gray) Markgraf (P262,S4:107)	none reported ^e
<i>Plumeria rubra</i> L. (P262,S4:86)	pua ^f
<i>Tabernaemontana divaricata</i> (L.) R. Br. (S4:98)	none reported ^e
<i>Tylophora samoensis</i> A. Gray (S4:113)	fag fea
Asteraceae	
<i>Ageratum conyzoides</i> L. (P321,S5:296)	none reported ^e
<i>Aster laevis</i> L. (S5:304)	none reported ^e
<i>Bidens pilosa</i> L. var. <i>pilosa</i> (P322,S5:281)	none reported ^e
<i>Calendula officinalis</i> L.	sau ne Hamau ^f
<i>Chrysanthemum morifolium</i> Ramat. (P322,S5311)	'ai fak furu ^f
<i>Chrysanthemum segetum</i> L.	none reported ^e
<i>Cosmos caudatus</i> H. B. & K. (P322,S5:284)	none reported ^e
* <i>Cosmos sulfureus</i> Cav. (P323,S5:284)	none reported ^e
* <i>Crassocephalum crepidioides</i> (Benth.) S. Moore (P323,S5:317)	none reported ^e
<i>Eclipta prostrata</i> (L.) L. Mant. (P324,S5:274)	none reported ^e
* <i>Eleutheranthera ruderalis</i> (Sw.) Schultz (P324,S5:275)	none reported ^e
<i>Emilia sonchifolia</i> (L.) DC (P324,S5:318)	huas pupuiaki ^f
<i>Erechtites valerianifolia</i> (Wolf) DC (P324,S5:315)	huas pupuiaki ^f
<i>Gaillardia pulchella</i> Foug. var. <i>picta</i> (Sweet) A. Gray	none reported ^e
<i>Gerbera jamesonii</i> Bolus (P325,S5:258)	none reported ^e
<i>Helianthus cucumerifolius</i> Torrey & A. Gray	none reported ^e
<i>Lactuca sativa</i> L. var. <i>sativa</i> (P325,S5:266)	none reported ^e
<i>Mikania micrantha</i> H. B. & K. (P325,S5:297)	'ai raurau, ^f ma'us raurau ^f
<i>Synedrella nodiflora</i> (L.) Gaertn. (S5:276)	'ai rau 'ai hehe'ap ta ^f
<i>Tagetes erecta</i> L. (P326,S5:291)	none reported ^e
<i>Tridax procumbens</i> L. (P327,S5:288)	none reported ^e
<i>Vernonia cinerea</i> (L.) Less. (P327,S5:262)	none reported ^e
<i>Wedelia trilobata</i> (L.) Hitchc.	none reported ^e
<i>Wollastonia biflora</i> (L.) DC (P327,S5:271)	totoro, tua'toro
* <i>Zinnia elegans</i> Jacq.	none reported ^e
<i>Zinnia paucifolia</i> L.	sau ne Hamau ^f

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
Balsaminaceae	
<i>Impatiens balsamina</i> L. (P345,S3: 630)	balsamina ^f
Begoniaceae	
<i>Begonia coccinea</i> Hook.f. (P160,S2: 690)	none reported ^e
Bignoniaceae	
<i>Spathodea campanulata</i> Beauv. (P295,S5: 145)	none reported ^e
Bixaceae	
<i>Bixa orellana</i> L. (P144,S2: 670)	'ai mena ^f
Bombacaceae	
<i>Ceiba pentandra</i> (L.) Gaertn. (P170,S2: 413)	kapok, ^f sipi, ^f sip Rotuam ^f
Boraginaceae	
<i>Argusia argentea</i> (L.f.) Heine (P346,5: 156)	sumi
<i>Cordia subcordata</i> Lam. (P296,S5: 152)	man'ao
Brassicaceae	
* <i>Brassica chinensis</i> L. var. <i>chinensis</i> (L.) O. E. Schulz (P311,S2: 706)	kapeje Jaene ^f
<i>Brassica oleracea</i> L. var. <i>capitata</i> L. (P312,S2: 705)	kapeje kalkalu ^f
<i>Brassica rapa</i> L.	none reported ^e
<i>Capparis cordifolia</i> Lam. (P154,S2: 694)	periro
<i>Raphanus sativus</i> L. (P312,S2: 707)	none reported ^e
<i>Rorippa sarmentosa</i> (DC) Macbride (P312,S2: 710)	matori
Cactaceae	
* <i>Opuntia</i> sp. (P161,S2: 271)	none reported ^e
Campanulaceae	
<i>Hippobroma longiflora</i> (L.) G. Don. (P320,S5: 245)	none reported ^e
Caprifoliaceae	
<i>Lonicera japonica</i> Thunb. (P130,S4: 377)	hanisaka ^f
Caricaceae	
<i>Carica papaya</i> L. (P161,S2: 672)	esu ^f
Caryophyllaceae	
<i>Dianthus chinensis</i> L.	none reported ^e
Casuarinaceae	
<i>Casuarina equisetifolia</i> J. R. & G. Forst. (P131,S2: 253)	toa
Chrysobalanaceae	
<i>Atuna racemosa</i> Raf. (S3: 48)	pipi, makita
<i>Parinari insularum</i> A. Gray (P94,S3: 44)	sea
Clusiaceae	
<i>Calophyllum inophyllum</i> L. (P192,S2: 336)	hefau
* <i>Garcinia xanthochymus</i> Hook.f. (P195,S2: 346)	suagke
<i>Mammea odorata</i> (Raf.) Korterm. (P195,S2: 340)	fetau lei ^f
Combretaceae	
<i>Quisqualis indica</i> L. (P206,S3: 416)	none reported ^e
<i>Terminalia catappa</i> L. (P207,S3: 432)	tog oi, salisa
<i>Terminalia litoralis</i> Seem. (P207,S3: 433)	tog ai
Convolvulaceae	
<i>Cuscuta campestris</i> Yuncker (P345,S5: 70)	lu'on ravaka
<i>Ipomoea alba</i> L. (P331,S5: 58)	puak pal fisi
<i>Ipomoea batatas</i> (L.) Lam. (P331,S5: 66)	kumara
* <i>Ipomoea fistulosa</i> Mart. ex Choisy (P334,S5: 63)	puka ^f
<i>Ipomoea indica</i> (Burm.) Merr. (P333,S5: 62)	puket e raufasa
<i>Ipomoea littoralis</i> Bl. (S5: 64)	johea, puak rarag jona
<i>Ipomoea macrantha</i> Roemer & Schultes (S5: 55)	puka, puak fisi
<i>Ipomoea pes-caprae</i> (L.) R. Br. (P333,S5: 60)	puka
<i>Ipomoea quamoclit</i> L. (P334,S5: 56)	ranisi ^f
<i>Merremia peltata</i> (L.) Merr. (P334,S5: 49)	puka, puka te rau fasa
<i>Merremia umbellata</i> (L.) Hall.f. (P335,S5: 48)	none reported ^e
Crassulaceae	
* <i>Kalanchoe pinnata</i> (Lam.) Pers. (S3: 36)	none reported ^e

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
Cucurbitaceae	
<i>Benincasa hispida</i> (Thunb.) Cogn. (S2: 676)	'ai jou, pirorogo
<i>Citrullus lanatus</i> (Thunb.) Matsf. (P159,S2: 678)	merene ^f
* <i>Citrullus colocynthis</i> (L.) Schrader	none reported ^e
<i>Coccinia grandis</i> (L.) Voigt (S2: 677)	none reported ^e
<i>Cucumis sativus</i> L. (P159,S2: 684)	kiukama, ^f kukama ^f
<i>Cucurbita pepo</i> L. (P159,S2: 681)	pum kin, ^f papukena ^f
<i>Luffa cylindrica</i> (L.) M. Roemer (P159,S2: 682)	ogio
<i>Momordica charantia</i> L. (P160,S2: 675)	naere
<i>Zehneria mucronata</i> (Bl.) Miq. (S2: 685)	jou ne 'atua
Ebenaceae	
<i>Diospyros gillespiei</i> (Fosb.) Kostermans (S2: 735)	pei
<i>Diospyros phlebodes</i> (A. C. Smith) A. C. Smith (S2: 737)	pei ragoa
<i>Diospyros samoensis</i> A. Gray (P225,S2: 740)	peipei
Elaeocarpaceae	
<i>Eleocarpus christophersenii</i> A. C. Smith	umasa
<i>Eleocarpus grandis</i> F. v. Muell. (P162,S2: 353)	umasa ^f
* <i>Eleocarpus tonganus</i> Burkill	mamrava, mamrao
Euphorbiaceae	
<i>Acalypha grandis</i> Benth. (P175,S2: 524)	karposi
* <i>Acalypha hispida</i> Burm.f. (P175,S2: 525)	feu ne pusi ^f
<i>Acalypha wilkesiana</i> Muell. Arg. (P176,S2: 525)	karpos mi'a, hau
<i>Alewives moluccana</i> (L.) Willd. (P176,S2: 548)	si'ursi, si'esi
<i>Antidesma sphaerocarpum</i> Muell. Arg.	komo
<i>Breynia disticha</i> J. R. & G. Forst. var. <i>nivosa</i> (Small) Croizat (P177,S2: 466)	none reported ^e
<i>Chamaesyce atoto</i> (Forst.f.) Croizat (P180,S2: 572)	majila
<i>Chamaesyce hirta</i> (L.) Millsp. (P180,S2: 574)	pulu ^f
<i>Chamaesyce prostrata</i> (Ait.) Small (P181,S2: 573)	pulu ^f
<i>Codiaeum variegatum</i> (L.) A. H. L. Juss. var. <i>variegatum</i> J. W. Parham f. <i>variegatum</i> A. C. Smith (P179,S2: 550)	sasa
* <i>Endospermum macrophyllum</i> (Muell. Arg.) Pax & Hoffm. (P180,S2: 541)	'ai hapa ^f
<i>Euphorbia pulcherrima</i> Willd. ex. Kl. (P181,S2: 569)	none reported ^e
<i>Excoecaria agallocha</i> L. (P182,S2: 562)	majila
<i>Flueggea flexuosa</i> Muell. Arg. (S2: 460)	pou, 'am'ama
<i>Glochidion ramiflorum</i> J. R. & G. Forster (P183,S2: 473)	'am'ama
<i>Jatropha curcas</i> L. (P185,S2: 545)	virviri ^f
<i>Jatropha integerrima</i> Jacq. (S2: 546)	none reported ^e
* <i>Macaranga graeffeana</i> Pax & Hoffm. var. <i>graeffeana</i> A. C. Smith (P185,S2: 507)	sa'a, sa'a rau hemaheama
<i>Macaranga harveyana</i> (Muell. Arg.) Muell. Arg. (P185,S2: 512)	sa'a, sa'a rau piriipi
<i>Manihot esculenta</i> Grantz (P188,S2: 543)	tapiko ^f
* <i>Pedilanthus tithymaloides</i> (L.) Poit.	none reported ^e
<i>Phyllanthus amarus</i> Schum. & Thonning (P188,S2: 465)	sasano ^f
Fabaceae (Caesalpinaceae)	
<i>Bauhinia monandra</i> Kurz. (P95,S3: 120)	none reported ^e
<i>Caesalpinia bonduc</i> (L.) Roxb. (P96,S3: 93)	tartar manu
<i>Caesalpinia pulcherrima</i> (L.) Sw. (P96,S3: 92)	riopripo 'a'a ^f
<i>Cassia fistula</i> L. (P97,S3: 102)	none reported ^e
<i>Delonix regia</i> (Bojer ex Hook.) Raf. (P99,S3: 90)	riap ripo ^f
<i>Intsia bijuga</i> (Colebr.) Kuntze (P99,S3: 134)	fesi
<i>Senna alata</i> (L.) Roxb. (P97,S3: 113)	'ai ne tane ^f
<i>Senna occidentalis</i> (L.) Link (P98,S112)	none reported ^e
* <i>Senna siamea</i> (Lam.) Irwin & Barneby (P98,S3: 109)	none reported ^e
<i>Senna tora</i> (L.) Roxb. (P99,S3: 110)	none reported ^e
<i>Tamarindus indica</i> L. (P102,S3: 141)	'ai ta viri, ^f tamarind ^f
Fabaceae (Fabaceae)	
<i>Abrus precatorius</i> (L.) L. (P108,S3: 162)	pi, ^f lias lisa ^f
* <i>Alysicarpus vaginalis</i> (L.) DC (P108,S3: 199)	none reported ^e

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
<i>Arachis hypogaea</i> L. (P109,S3 : 260)	pinut ^f
* <i>Cajanus cajan</i> (L.) Huth. (P109,S3 : 251)	pi ^f
<i>Canavalia cathartica</i> Thou. (P109,S3 : 220)	fuholi, karere ^c
<i>Canavalia rosea</i> (Sw.) DC (P109,S3 : 221)	karere ^c
<i>Canavalia sericea</i> A. Gray (P109,S3 : 222)	none reported ^e
<i>Dendrolobium umbellatum</i> (L.) Benth. (S3 : 186)	jojo
<i>Derris elliptica</i> (Wall.) Benth. (P111,S3 : 167)	faga, fua Nuikini ^f
<i>Derris malaccensis</i> (Beth.) Prain (P111,S3 : 168)	fua Rotuam ^{f?}
<i>Derris trifoliata</i> Lour. (P111,S3 : 165)	fuholi, fua Nuikini
<i>Desmodium adscendens</i> (Sw.) DC (P111,S3 : 192)	none reported ^e
* <i>Desmodium incanum</i> DC (S3 : 191)	none reported ^e
<i>Desmodium triflorum</i> (L.) DC (P112,S3 : 193)	none reported ^e
<i>Erythrina variegata</i> L. (P113,S3 : 204)	ratu'a
<i>Inocarpus fagifer</i> (Parkinson) Fosb. (P99,S3 : 161)	'ifi
<i>Macroptilium atropurpureum</i> (DC) Urb. (S3 : 247)	none reported ^e
<i>Mucuna gigantea</i> (Willd.) DC (P114,S3 : 211)	faga
* <i>Mucuna platyphylla</i> A. Gray (P115,S3 : 213)	faga, puka ga'a
<i>Mucuna stanleyi</i> C. T. White (S3 : 214)	faga
<i>Phaseolus vulgaris</i> L. (P116,S3 : 250)	pini ^f
<i>Pongamia pinnata</i> (L.) Pierre (P116,S3 : 170)	riri'i, rane juli
<i>Pueraria lobata</i> (Willd.) Ohwi (P117,S3 : 226)	ga'a
<i>Sophora tomentosa</i> L. (P118,S3 : 154)	none reported ^a
<i>Strongylodon secundus</i> St. John	none reported ^e
<i>Tephrosia purpurea</i> (L.) Pers. (P119,S3 : 173)	ava
<i>Vigna marina</i> (Burm.) Merr. (P119,S3 : 244)	karere
* <i>Vigna unguiculata</i> Verdcourt subsp. <i>sesquipedalis</i> (L.) Verdcourt (S3 : 244)	pini ^f
* <i>Vigna unguiculata</i> Verdcourt subsp. <i>unguiculata</i> (S3 : 244)	pini ^f
Fabaceae (Mimosaceae)	
<i>Albizia saman</i> (Jacq.) F. v. Muell. (S3 : 78)	none reported ^e
<i>Leucaena leucocephala</i> (Lam.) de Wit (P106,S3 : 63)	riap ripo, ^f riapripo ne puak ^f
<i>Mimosa pudica</i> L. var. <i>unijuga</i> (Duchass. & Walp.) Griseb. (P107,S3 : 61)	mous fea e famori, ^f julia fea ^f
Flacourtiaceae	
<i>Casearia richii</i> A. Gray (P145,S2 : 647)	pou
<i>Flacourtia rukam</i> Zoll. ex Moritz (P147,S2 : 637)	fir moto
Gesneriaceae	
<i>Cyrtandra rotumaensis</i> H. St. John (P342)	momoe, mamala
Goodeniaceae	
<i>Scaevola sericea</i> Vahl. (P321,S5 : 250)	pulu, ^c pul hauhau, pul haohao
Hernandiaceae	
<i>Hernandia moerenhoutiana</i> Guillemin (P90,S2 : 111)	popofo
<i>Hernandia nymphaeifolia</i> (Presl.) Kubitzki (S2 : 110)	popofo
Icacinaceae	
<i>Gomphandra montana</i> (Schellenb.) Sleumer.	hahu'a
Lamiaceae	
<i>Clerodendrum buchananii</i> (Roxb.) Walp. var. <i>fallax</i> (Lindl) Batch (P298,S5 : 211)	'ai sisi, ^f maf ne kau, ^f tela en kau ^f
<i>Clerodendrum chinense</i> (Osbeck) Mabblerley (S5 : 212)	none reported ^e
<i>Clerodendrum inerme</i> (L.) Gaertn. (P298,S5208)	ortea, varvara
<i>Hyptis pectinata</i> (L.) Poit. (P347,S5220)	none reported ^e
* <i>Mentha spicata</i> L. (S5 : 234)	none reported ^e
<i>Ocimum basilicum</i> L. (P347,S5 : 229)	tamor
<i>Ocimum tenuiflorum</i> L. (P347,S5 : 230)	uak uka
* <i>Pogostemon</i> sp. (S5 : 232)	'ai pensoni, ^f 'ai hoag hau ^f
<i>Premna serratifolia</i> L. (P031,S5 : 187)	varvara

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
* <i>Solenostemon amboinicus</i> (Lour.) Codd	'ai sopohe pau, ^f 'ai reag supa, ^f gasau ^f
<i>Solenostemon scutellarioides</i> (L.) Codd (S5: 222)	none reported ^e
<i>Tectona grandis</i> L.f. (P302,S5: 178)	kauvalu ^f
<i>Vitex trifolia</i> var. <i>trifolia</i> J. W. Parham (P302,S5: 182)	sia'vao, tagara
Lauraceae	
<i>Cassytha filiformis</i> L. (P83,S2: 142)	lu'on ravaka
<i>Endiandra elaeocarpa</i> Gillespie (P86,S2: 117)	hahu'a, usi
<i>Persea americana</i> Mill. (P90,S2: 115)	avakado, ^f pea ^f
Lecythidaceae (Barringtoniaceae)	
<i>Barringtonia asiatica</i> (L.) Kurz (P204,S2: 595)	hufu
<i>Barringtonia edulis</i> Seem. (P204,S2: 597)	hufu, huf 'a'a
<i>Barringtonia racemosa</i> (L.) Spreng. (P205,S2: 597)	tala, tali
Loganiaceae	
<i>Geniostoma rupestre</i> J. R. & G. Forst. (P251,S4: 16)	jajagrava
<i>Geniostoma vitiense</i> Gilg & Benedict (P253,S4: 12)	johea
Lythraceae	
<i>Lagerstroemia indica</i> L. (P317,S3: 287)	palafau ^f
<i>Pemphis acidula</i> J. R. & G. Forster (P317,S3: 285)	'ai ne piye
<i>Punica granatum</i> L. (P206,S3: 377)	none reported ^e
Malvaceae	
* <i>Abelmoschus esculentus</i> (L.) Moench. (P170,S2: 423)	naere ^f
<i>Abelmoschus manihot</i> (L.) Medik. (P170,S2: 423)	vati
<i>Abelmoschus moschatus</i> Medik. (P170,S2: 423)	'aki'aki, hau indi'a
<i>Gossypium barbadense</i> L. (P171,S2: 430)	sipi ^f , sipisipi ^f
<i>Hibiscus mutabilis</i> L. (P171,S2: 421)	kauta ^f
<i>Hibiscus rosa-sinensis</i> L. (P171,S2: 419)	kauta
<i>Hibiscus sabdariffa</i> L. (P171,S2: 418)	kauta ^f
<i>Hibiscus schizopetalus</i> (Mast.) Hook.f. (P171,S2: 420)	kauta ^f
* <i>Hibiscus syriacus</i> L. (P171,S2: 421)	none reported ^e
<i>Hibiscus tiliaceus</i> L. (P172,S2: 416)	hau, hau Samoa
<i>Malvastrum coromandelianum</i> (L.) Garcke (P172,S2: 434)	finak ne puak ^f
<i>Malvaviscus arboreus</i> var. <i>peduliflorus</i> (Moc. & Sesse ex DC) Schery (P172,S2: 433)	kauta ^f
* <i>Sida acuta</i> Burm.f. (P172,S2: 436)	finak ne puak ^f
<i>Sida rhombifolia</i> L. (P173,S2: 437)	finak ne puak, sere
<i>Thespesia populnea</i> (L.) Soland. ex Correa (P173,S2: 425)	pinau
<i>Urena lobata</i> L. (P173,S2: 431)	joan ne 'atua, joan ne pija, oatima
Melastomataceae	
<i>Clidemia hirta</i> (L.) D. Don (P210,S3: 386)	fai kau ^f
Meliaceae	
<i>Aglaiia axillaris</i> A. C. Smith (P240,S3: 539)	ragkori, ragkar 'Uvea
* <i>Aglaiia psilopetala</i> A. C. Smith	ragkori, ragkar Rotuma
<i>Aglaiia saltatorum</i> A. C. Smith (P240,S3: 546)	ragkori, ragkar Samoa, riri'i
<i>Melia azedarach</i> L. (P243,S3: 529)	none reported ^e
* <i>Swietenia macrophylla</i> King (P244,S3: 573)	'ai hapa ^f
<i>Xylocarpus granatum</i> Koenig (P244,S3: 575)	lekleki
Moraceae	
<i>Artocarpus altilis</i> (Parkinson ex Z) Fosb. (P134,S2: 207)	'ulu
<i>Broussonetia papyrifera</i> (L.) Vent. (P135,S2: 203)	armea, vasvasi
<i>Ficus adenosperma</i> Miq.	none reported ^e
<i>Ficus benjamina</i> L. (P136,S2: 175)	paka ^f
* <i>Ficus fulvo-pilosa</i> Summerhayes (P137,S2: 187)	none reported ^a
<i>Ficus greenwoodii</i> Summerhayes (P138,S2: 186)	none reported ^a
<i>Ficus obliqua</i> Forst.f. (P138,S2: 176)	a'eva
<i>Ficus prolixa</i> Forst.f. (P138,S2: 174)	aeva

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
<i>Ficus scabra</i> Forst.f. (P138,S2: 180)	malu, moala, mula, porporo
* <i>Ficus storckii</i> Seem. (P138,S2: 181)	porporo
<i>Ficus tinctoria</i> Forst.f. (P139,S2: 191)	u'apea
Myristicaceae	
<i>Myristica gillespieana</i> A. C. Smith (P92,S2: 46)	tata
Myrtaceae	
<i>Eugenia reinwardtiana</i> DC	none reported ^a
<i>Psidium guajava</i> L. (P198,S3: 307)	koao, kuava ^f
<i>Syzygium corynocarpum</i> (A. Gray) C. Muell. (P199,S3: 328)	ker fisi
<i>Syzygium diffusum</i> (Turrill) Merr. & Perry (P200,S3: 331)	seasea, hahi'a manu
<i>Syzygium inophylloides</i> (A. Gray) Muell.	hahi'a ramram
<i>Syzygium jambos</i> (L.) Alston (P200,S3: 356)	seasea
<i>Syzygium malaccense</i> (L.) Merr. & Perry (P202,S3: 352)	hahi'a
<i>Syzygium neurocalyx</i> (A. Gray) Christopherson (P203,S3: 347)	ker mi'a, kori
* <i>Syzygium richii</i> (A. Gray) Merr. & Perry (P203,S3: 350)	hahi'a ramramu
<i>Syzygium samarangense</i> (Bl.) Merr. & Perry (S3: 351)	mamhofu
Nyctaginaceae	
<i>Boerhavia diffusa</i> L. (P152,S2: 264)	uh on kalae
<i>Bougainvillea glabra</i> Choisy (P152,S2: 265)	none reported ^e
<i>Bougainvillea spectabilis</i> Lam. (P152,S2: 265)	tot on Maria ^f
<i>Mirabilis jalapa</i> L. (P152,S2: 263)	heahea ^f
<i>Pisonia grandis</i> R. Br. (P152,S2: 267)	puak vai, puka vai
Olaceae	
<i>Ximenia americana</i> L. (P215,S3: 732)	tartarmoana, tata moana
Oleaceae	
<i>Chionanthus vitiensis</i> (Seem.) A. C. Smith (P256,S2: 139)	fumalu
<i>Jasminum sambac</i> (L.) Ait.	tiere, ^f tiere Sa'moa ^f
Onagraceae	
<i>Ludwigia octovalvis</i> (Jacq.) Raven (P318,S3: 379)	pup ne rano ^f
Oxalidaceae	
<i>Oxalis corniculata</i> L. (P345,S3: 625)	none reported ^a
Passifloraceae	
<i>Passiflora maliformis</i> L. (P158,S2: 669)	'ai piol moumou ^f
<i>Passiflora quadrangularis</i> L. (P158,S2: 668)	'ai a'a ^f
Piperaceae	
* <i>Macropiper puberulum</i> f. <i>glabrum</i> (C. DC) A. C. Smith (P309,S2: 68)	sasa ^c
* <i>Peperomia obtusifolia</i> (L.) Dietr.	none reported ^a
<i>Peperomia rotumaensis</i> St. John (P307)	none reported ^a
<i>Peperomia pellucida</i> (L.) H. B. K. (P306,S2: 89)	none reported ^e
<i>Piper graefei</i> Warb.	none reported ^a
<i>Piper insectifugum</i> C. DC ex Seem. (P307,S2: 61)	sasa ^c
<i>Piper methysticum</i> Forst.f. (P308,S2: 58)	kava, kao
<i>Piper stipulare</i> A. C. Smith (P309,S2: 63)	none reported ^a
<i>Piper vaupeli</i> Lauterb.	sasa ^c
Polygalaceae	
<i>Polygala paniculata</i> L. (P156,S3: 723)	pup reag lolo ^f
Polygonaceae	
<i>Antigonon leptopus</i> Hook. & Arn. (P314,S2: 305)	none reported ^e
Portulacaceae	
* <i>Portulaca grandiflora</i> Hook. (S2: 279)	none reported ^e
<i>Portulaca lutea</i> Soland. ex Forst.f. (P313,S2: 276)	periro
<i>Portulaca samoensis</i> Poelln. (P313,S2: 278)	periro
Rhamnaceae	
<i>Colubrina asiatica</i> (L.) Bronqn. (P218,S3: 688)	tartarmoana, poro
Rhizophoraceae	
<i>Bruguiera gymnorhiza</i> (L.) Lam. (P205,S2: 607)	fogo, fago

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
Rosaceae	
<i>Rosa alba</i> L.	ros, ^f roso ^f
* <i>Rosa damascena</i> Mill. (P95,S3: 38)	ros, ^f roso ^f
<i>Rosa rubrifolia</i> Vill.	ros ^f
Rubiaceae	
* <i>Coffea arabica</i> L. (P267,S4: 223)	kafi, ^f kofe ^f
<i>Coffea liberica</i> Hiern (P267,S4: 224)	kafi ^f
<i>Gardenia hutchinsoniana</i> Turrill (P269,S4: 182)	tiere Rotuma
<i>Gardenia taitensis</i> DC (P269,S4: 181)	tiere, tiere Rotuma
<i>Gardenia vitiensis</i> Seem. (P269,S4: 183)	tier toga, tiere pen is karu
<i>Geophila repens</i> (L.) I. M. Johnston (P270,S4: 249)	ti togo
<i>Guettarda speciosa</i> L. (P271,S4: 148)	hana
<i>Hedyotis biflora</i> (L.) Lam. (P271,S4: 358)	none reported ^a
* <i>Hedyotis pumila</i> L.f. (P271,S4: 359)	'ai pen ese ^f
<i>Ixora coccinea</i> L. (P273,S4: 206)	'ai pal hehfu ^f
<i>Morinda citrifolia</i> L. (P278,S4: 334)	'ura
<i>Mussaenda raiateensis</i> J. W. Moore (P279,S4: 177)	tiormea
<i>Neonauclea forsteri</i> (Seem. ex Havil.) Merr. (P279,S4: 161)	atea
* <i>Pentas bussei</i> K. Kr.	none reported ^e
<i>Pentas lanceolata</i> (Forsk.) Deflers (P281,S4: 351)	none reported ^e
<i>Psychotria fragrans</i> (Gillespie) Fosberg (P284,S4: 297)	soag karoic ^e
<i>Psychotria insularum</i> A. Gray	afmea
<i>Readea membranacea</i> Gillespie (P292,S4: 250)	sug kori
<i>Spermacoce assurgens</i> Ruiz & Pavon (S4: 373)	none reported ^e
<i>Tarenna sambucina</i> (Forst.f.) Durand (P293,S4: 159)	fai'efau, ormea, 'ura
Rutaceae	
<i>Citrus aurantifolia</i> (Christm.) Swingle (P232,S3: 520)	mori ^f
<i>Citrus limon</i> (L.) Burm.f. (P233,S3518)	lamane ^f
<i>Citrus maxima</i> (Burm.) Merr. (S3: 521)	mori, ^c kurukuru ^d
<i>Citrus macroptera</i> Montr. (P233,S3: 523)	kurukuru ^d
<i>Citrus reticulata</i> Blanco (P233,S3: 519)	mor jaene ^f
<i>Citrus sinensis</i> (L.) Osbeck (P233,S3: 521)	mori, ^f mor Rotuma ^f
<i>Euodia hortensis</i> J. R. & G. Forst. f. <i>simplicifolia</i> (Rechinger) K. Schum. ex Lauterb. (P234,S3: 498)	usi, hof manu
<i>Melicope cucullata</i> (Gillespie) A. C. Smith (S3: 502)	none reported ^a
<i>Micromelum minutum</i> (Forst.f.) Seem. (P235,S3: 510)	tar fai
Sapindaceae	
<i>Allophylus timoriensis</i> (DC) Bl. (P245,S3: 584)	fisoa
<i>Arytera brackenridgei</i> (A. Gray) Radlk. (P245,S3: 602)	none reported ^a
<i>Pometia pinnata</i> J. R. & G. Forst. (P247,S3: 592)	fava, fao
Sapotaceae	
<i>Planchonella samoensis</i> K. Schum.	mamrava, tata
Scrophulariaceae	
<i>Angelonia biflora</i> Benth. (P335,S5: 76)	maf ne magke ^f
Solanaceae	
<i>Capsicum annum</i> L. var. <i>annuum</i> J. W. Parham (P328,S5: 27)	jili, 'ai sun, poro ^f
<i>Capsicum frutescens</i> L. (P328,S5: 27)	jili, 'ai sun, jelese ^f
<i>Cestrum nocturnum</i> L. (P329,S5: 36)	'ai pua e pogi, ^f poa 'e pogi, tiere ^f
<i>Lycopersicon esculentum</i> Mill. (P329,S5: 25)	tomata ^f
<i>Nicotiana tabacum</i> L. (P329,S5: 37)	rau fiti, ^f rau Rotuma ^f
<i>Physalis angulata</i> L. (P329,S5: 29)	'ur moa ^f
<i>Solanum americanum</i> Mill. (S5: 12)	poro
<i>Solanum melongena</i> L. (P330,S5: 13)	poigana ^f
<i>Solanum torvum</i> Sw. (P330,S5: 10)	katapila ^f
Sterculiaceae	
<i>Melochia vitiensis</i> A. Gray (P168,S2: 3870)	none reported ^a
<i>Sterculia fanaiho</i> Setchell	vasvasi

APPENDIX 1 (continued)

TAXON	ROTUMAN NAME(S)
<i>Theobroma cacao</i> L. (P169,S2:398)	koko ^f
Thymeliaceae	
<i>Phaleria disperma</i> (Forst.f.) Baill. (P151,S2:582)	huni
Tiliaceae	
<i>Triumfetta procumbens</i> Forstf. (P165,S2:379)	joan ne pija, totoro
<i>Triumfetta rhomboidea</i> Jacq. (P165,S2:378)	joan ne pija
Ulmaceae	
* <i>Parasponia andersonii</i> (Planch.) Planch. (P133,S2:157)	maragi
<i>Trema cannabina</i> Lour. (S2:159)	joan ne pija
Urticaceae	
<i>Dendrocnide harveyi</i> (Seem.) Chew (P140,S2:211)	mamala ^c
<i>Dendrocnide pruritivus</i> St. John (P140)	mamala ^c
* <i>Dendrocnide vitiensis</i> (Seem.) Chew (P140,S2:214)	mamala, ^c u ^c apea
<i>Elatostema</i> sp. (P140,S2:216)	none reported ^a
<i>Laportea interrupta</i> (L.) Chew (P143,S2:215)	usogo
* <i>Maoutia australis</i> Wedd. (P143,S2:250)	'arnea
<i>Pilea microphylla</i> (L.) Liebm. (P143,S2:237)	none reported ^e
<i>Pipturus argenteus</i> (Forst.f.) Wedd. var. <i>lanosus</i> Skott (P143,S2:243)	arnea
<i>Procris pedunculata</i> (J. R. & G. Forster) Wedd. var. <i>pedunculata</i> J. W. Parham (P144,S2:232)	hat en sina
Verbenaceae	
<i>Lantana camara</i> L. var. <i>aculeata</i> (L.) Moldenke (P301,S5:173)	pen kunei ^f
<i>Stachytarpheta urticaefolia</i> (Salisb.) Sims (P302,S5:170)	sere, ^f finak ne puak ^f

* Noted as being present by the authors and others, but not represented by preserved collections.

^a Indigenous or ancient introduction with no documented Rotuman name.

^b Parentheses contain citation of author and page of floras (P, Parham 1972; S, Smith 1979, 1981, 1985, 1988, 1991).

^c Indigenous or ancient introduction with a generalized Rotuman name.

^d Rotuman name borrowed from Fijian.

^e European or recent introduction with no certain vernacular name on Rotuma.

^f European or recent introduction with an introduced name/cognate or a Rotuman name.