

CENSUS OF VASCULAR FLORA OF LORD HOWE ISLAND

A.N. RODD AND JOHN PICKARD

(Accepted for publication 23.10.1981)

ABSTRACT

Rodd, A.N. and Pickard, John* (*National Herbarium of New South Wales, Royal Botanic Gardens, Sydney, New South Wales, Australia 2000*) 1983. *Census of vascular flora of Lord Howe Island. Cunninghamia 1(2): 267-280.* The native and naturalized vascular plants of Lord Howe Island (31°30'S, 159°05'E) are listed with authors, commonly-used synonyms and common names. Endemic taxa are noted. The total vascular flora of 379 species has 219 native, 74 endemic and 160 naturalized species; 33 previously recorded species have been deleted.

INTRODUCTION

This paper lists the vascular flora of Lord Howe Island (31°30'S, 159°05'E). The species are arranged in two groups: native and naturalized. Within each group there is the sequence Pteridophytes, Gymnosperms, Monocotyledons, Dicotyledons, but within each of these classes arrangement is alphabetical by families, genera and species. Synonyms are given if they have been used as valid names in publications going back as far as Oliver's (1917) account of the flora, but no earlier. We have made little attempt to resolve taxonomic problems and have not made any new combinations. In general, nomenclature follows Jacobs & Pickard (1981); the Pteridophytes have been reviewed by Dr Mary Tindale.

In the case of a number of species, difficulty has been encountered in deciding whether to give them native or naturalized status. The status given in Jacobs & Pickard (1981) has generally been taken as a reliable guide, but we have departed from it in a few cases in which we feel the status on Lord Howe is not necessarily the same as that on the mainland. The distinction is further blurred by the occurrence of recent natural invasions by a number of species, that is, without assistance from man. If these species are native in the region (Australia or New Zealand), they are regarded as native, but it would obviously be absurd to treat them as such if they are normally regarded as aliens in these countries. A full discussion of recent invasions of Lord Howe Island is in preparation by Pickard.

This account updates the species records given in Oliver (1917), Rodd (1974), and Jacobs & Pickard (1981). As might be expected, botanical taxonomy has advanced considerably and nomenclature has hence suffered many changes since Oliver's time, though his has hitherto remained the most comprehensive and informative account of the flora.

The list by Rodd covered Angiosperms only, and since 1974 quite a number of new records and nomenclatural changes have emerged. Even in Jacobs & Pickard's census of New South Wales plants (1981), in which one column throughout records occurrences on Lord Howe, a number of erroneous listings and omissions have shown up. This work likewise does not include Pteridophytes.

Oliver (1917), in a brief addendum, laid to rest a number of false records and inapplicable names published by earlier authors such as Moore, Mueller, Bentham, Tate and Hemsley, purportedly applying to Lord Howe Island plants, (for references see Pickard (1973)). This paper likewise has a section consisting of proposed deletions from the island's present-day flora. It is subdivided into four categories, representing

*Present address: Sch. Biol. Sci., Macquarie University, North Ryde, N.S.W., Australia 2113.

respectively unverified records, short-lived invasions, native species now believed extinct, and known misidentifications.

The handbook by Rodd (1981) includes a floristic list covering only native species. For these it gives a breakdown of geographic distribution by both genus and species for all taxa listed. The only previous accounts to attempt this were those of Hemsley (1896) and Oliver (1917), at species level only, and much phytogeographic and taxonomic data have accumulated since.

Common names are given in a separate alphabetical list, cross-referenced to the accepted botanical name. Only "island" names of native species are included.

Endemic status is shown by the symbol + preceding the name of a species. If the genus also is endemic, an additional + is shown, for example ++ *Negria rhabdothamnoides*. For the very few species represented by an endemic variety or subspecies the symbol is inserted in front of the infraspecific epithet.

CENSUS OF VASCULAR FLORA

NATIVE SPECIES

PTERIDOPHYTES

Adiantaceae

- Adiantum aethiopicum* L.
- A. hispidulum* Sw. s. lat.
- Cheilanthes distans* (R.Br.) Mett. [Notholaena distans R.Br.]
- Pellaea falcata* (R.Br.) Fée

Aspidiaceae

- + *Lastreopsis nephrodioides* (Baker) Tindale [Dryopteris nephrodioides (Baker) Watts,
D. apicalis (Baker) Kuntze]
- + *Polystichum moorei* (Christ) W.R.B. Oliver
- + *P. whiteleggei* Watts

Aspleniaceae

- Asplenium australasicum* (J.Sm.) Hook. [A. nidus auct. non L.]
- + *A. howeanum* (Watts) W.R.B. Oliver
- A. milnei* Carruth. ex Seemen [A. lucidum auct. non Forst. f., A. oblongifolium Colenso]
- A. polyodon* Forst. f. [A. adiantoides (L.) C.Ch.]
- + *A. pteridoides* Baker

Athyriaceae

- + *Diplazium melanochlamys* (Hook.) T. Moore

Blechnaceae

- Blechnum* sp. aff. *oceanicum* (Rosenstock) Brownlie [B. attenuatum auct. non (Sw.) Mett.]
- B.* sp. aff. *wattsii* Tindale [B. capense auct. non (L.) D.F.K. Schldl.]
- + *B. fullagari* (F. Muell.) C.Chr.
- B. patersonii* (R.Br.) Mett.
- + *Doodia caudata* (Cav.) R.Br.
- D. media* R.Br. subsp. *australis* Parris [D. aspera auct. non R.Br.]

Cyatheaceae

- + *Cyathea brevipinna* Baker [Alsophila brevipinna (Baker) R. Tryon]
- + *C. howeana* Domin [Hemitelia moorei Baker]
- + *C. macarthurii* (F. Muell.) Baker [Alsophila ferdinandii R. Tryon]
- + *C. robusta* (C. Moore) Holttum [Alsophila robusta C. Moore, Sphaeropteris robusta (C. Moore) R. Tryon]

Davalliaceae

- Arthropteris tenella* (Forst.f.) J. Smith
- Nephrolepis cordifolia* (L.) C. Presl

Dennstaedtiaceae

Histiopteris incisa (Thunb.) J. Smith*Hypolepis* sp. [*H. tenuifolia* auct. non (Forst.f.) Bernh.]

Gleicheniaceae

Sticherus sp.

Grammitaceae

+ *Grammitis diminuta* (Baker) Copel. [Polypodium diminutum Baker]+ *G. watsii* Copel. [Polypodium pulchellum Watts]

Hymenophyllaceae

*Callistopteris baueriana** (Endl.) Copel. [Trichomanes bauerianum Endl.]*Cephalomanes atrovirens* C. Presl [Trichomanes javanicum auct. non Blume]+ *Hymenophyllum moorei* Baker [H. pumilum auct. non C. Moore]*H. multifidum* (Forst. f.) Sw.

Lycopodiaceae

Lycopodium myrtifolium Forst. f. [*L. varium* R.Br., *Huperzia varia* (R.Br.) Trev. St. Leon,*Urostachys myrtifolia* (Forst.f.) Herter]

Marattiaceae

Marattia salicina Smith subsp. [*M. fraxinea* Smith var. *howeana* W.R.B. Oliver]

Ophioglossaceae

Botrychium australe R.Br.*Ophioglossum prantlii* C. Chr. [*O. vulgatum* L. var. *prantlii* (C. Chr.) W.R.B. Oliver]

Osmundaceae

+ *Leptopteris moorei* (Baker) Christ

Polypodiaceae

Microsorium scandens (Forst. f.) Tindale+ *M. sp. aff. diversifolium* (Willd.) Copel. [Polypodium diversifolium Willd. s. lat.]*Platynerium bifurcatum* (Cav.) C. Chr.*Pyrrhosia confluens* (R.Br.) Ching [Cyclophorus confluens (R.Br.) C. Chr.]

Psilotaceae

Psilotum nudum (L.) Beauv. [*P. triquetrum* Sw.]*Tmesipteris truncata* (R.Br.) Desv. [*T. tannensis* auct. non (Spreng.) Bernh].

Pteridaceae

Pteris microptera Mett. ex Kuhn [*P. comans* auct. non Forst.f.]*P. tremula* R.Br.

Thelypteridaceae

Christella dentata (Forssk.) Brownsey & Jermy [*Cyclosorus dentatus* (Forssk.) Ching,*Cyclosorus nymphalis* (Forst.f.) Ching, *Dryopteris parasitica* auct. non (L.) Kuntze]

ANGIOSPERMS

MONOCOTYLEDONS

Amaryllidaceae

Crinum pedunculatum R.Br.

Arecaceae

++ *Hedyscepe canterburyana* (C. Moore & F. Muell.) H. Wendl. & Drude++ *Howea belmoreana* (C. Moore & F. Muell.) Becc.++ *H. forsteriana* (C. Moore & F. Muell.) Becc.++ *Lepidorrhachis mooreana* (F. Muell.) O.F. Cook [*Clinostigma mooreanum* (F. Muell.)
H. Wendl. & Drude]

Commelinaceae

Commelina cyanea R.Br.

Cyperaceae

Baumea juncea (R.Br.) Palla [*Machaerina juncea* (R.Br.) Koyama, *Cladium junceum* R.Br.]*Bulbostylis densa* (Wall.) Hand.-Maz. [*B. capillaris* (L.) C.B. Clarke s. lat.]

*Following a decision of the 13th International Botanical Congress in 1981 to modify the International Code of Botanical Nomenclature, epithets such as *baueriana* and *forsteriana* have been altered to *baueriana* and *forsteriana* respectively.

- Carex breviculmis* R.Br.
C. hattoriana Nakai ex Tuyama [C. gracilis R.Br. non Curtis, C. brunnea Thunb., s. lat.]
C. pumila Thunb. [C. littorea Labill.]
Cyperus lucidus R.Br. [C. haematodes Endl., Mariscus haematodes (Endl.) Laing]
Gahnia xanthocarpa (Hook.f.) Hook.f.
+ *Machaerina insularis* (Benth.) Koyama [Cladium insulare Benth.]
Scirpus nodosus Rottb.
Uncinia debilior F. Muell. [U. astonii Hamlin, U. filiformis Boott var. debilior (F. Muell.)
W.R.B. Oliver, U. compacta R.Br. s. latiss.]
- Flagellariaceae
Flagellaria indica L.
- Iridaceae
+ *Dietes robinsoniana* (C. Moore & F. Muell.) Klatt [Moraea robinsoniana C. Moore & F. Muell.]
- Hydrocharitaceae
Halophila ovalis (R.Br.) Hook. f. subsp. *ovalis*
- Juncaceae
Juncus pallidus R.Br.
+ *Luzula longiflora* Benth. [L. campestris (L.) DC. s. latiss.]
- Juncaginaceae
Triglochin striatum Ruiz & Pavon
- Liliaceae
Dianella intermedia Endl. [D. caerulea Sims s. lat.]
- Orchidaceae
Bulbophyllum tuberculatum Colenso [B. exiguum auct. non F. Muell.]
Dendrobium gracilicaule F. Muell. var. *howeanum* Maiden
+ *D. moorei* F. Muell.
Microtis unifolia (Forst. f.) Reichb. f. [M. porrifolia (Sw.) R.Br., M. parvifolia R.Br.]
+ *Plectorrhiza erecta* (Fitzg.) Dockrill [Cleisostoma erectum Fitzg.]
Pterostylis ?obtusa R.Br.
P. pedunculata R.Br.
P. sp.
- Pandanaceae
+ *Pandanus forsteri* C. Moore & F. Muell.
- Philesiaceae
Geitonoplesium cymosum (R.Br.) A. Cunn. ex Hook.
- Poaceae (Gramineae)
Agropyron scabrum (Labill.) Beauv. var. *scabrum*
Agrostis aemula R.Br.
+ *Chionochloa* sp. aff. *conspicua* (Forst.f.) Zotov
Cynodon dactylon (L.) Pers.
Danthonia racemosa R.Br. var. *racemosa* [Notodanthonia racemosa (R.Br.) Zotov]
D. unarede Raoul [Notodanthonia unarede (Raoul) Zotov]
Dichelachne crinita (L.) Hook. f.
D. micrantha (Cav.) Domin [D. sciurea (R.Br.) Hook. f.]
Imperata cylindrica Beauv. var. *major* (Nees) Hubbard. [I. arundinacea Cyr.]
Oplismenus imbecillis (R.Br.) Roem. & Schult. [O. aemulus auct. non (R.Br.) Kunth]
Paspalum paspalodes (Michx.) Scribn. [P. distichum auct. non L.]
P. distichum L. [P. vaginatum Sw.]
Phragmites australis (Cav.) Trin. ex. Steud. [P. communis Trin.]
Poa poiiformis (Labill.) Druce [P. australis R.Br. s. lat., P. caespitosa Spreng. s. latiss.]
Spinifex hirsutus Labill.
Sporobolus virginicus (L.) Kunth
- Smilacaceae
Smilax australis R.Br.
- Typhaceae
Typha sp. (*T. ?orientalis* C. Presl)
- Zosteraceae
Zostera capricorni Aschers.

DICOTYLEDONS

Aizoaceae

Carpobrotus glaucescens (Haw.) Schwantes [Mesembryanthemum aequilaterale auct. non Haw.]

Sesuvium portulacastrum L.

Tetragonia tetragonioides (Pallas) Kuntze [T. expansa Murray]

Amaranthaceae

Achyranthes aspera L. var. *canescens* (R.Br.) Drake [A. canescens R.Br.]

Apiaceae (Umbelliferae)

Apium insulare P.S. Short

A. prostratum Labill. ex Vent. subsp. + *howense* P.S. Short.

A. sp. (aff. *A. insulare*?)

Hydrocotyle javanica Thunb. [H. hirta auct. non R.Br.]

Apocynaceae

+ *Alyxia lindii* F. Muell.

A. ruscifolia R.Br.

+ *A. squamulosa* C. Moore & F. Muell.

Ochrosia elliptica Labill. [Bleekeria elliptica (Labill.) Koidzumi]

Parsonsia straminea (R.Br.) F. Muell. var. + *glabrata* Pichon [Lyonsia reticulata auct. non F. Muell.]

Araliaceae

+ *Polyscias cissodendron* (C. Moore & F. Muell.) Harms [Nothopanax cissodendron (C. Moore & F. Muell.) W.R.B. Oliver]

Asclepiadaceae

Marsdenia rostrata R.Br.

Tylophora biglandulosa (Endl.) A. Gray

Asteraceae

+ *Brachycome segmentosa* C. Moore & F. Muell.

+ *Cassinia tenuifolia* Benth.

Cotula australis (Sieber ex Spreng.) Hook. f.

Gnaphalium luteoalbum L. s. lat.

G. sp. aff. *sphaericum* Willd.

++ *Lordhowea insularis* (Benth.) B. Nordenstam [Senecio insularis Benth.]

Melanthera biflora (L.) M. Wild [Wedelia biflora (L.) DC., W. uniflora (Spreng.) W.R.B. Oliver, Wollastonia biflora (L.) DC.]

+ *Olearia ballii* (F. Muell.) Hemsl.

O. elliptica DC.

+ *O. mooneyi* (F. Muell.) Hemsl.

Senecio sp. aff. *quadridentatus* Labill. [Erechtites quadridentata (Labill.) DC. s. lat.]

Avicenniaceae

Avicennia marina (Forsk.) Vierh. var. *australasica* (Walp.) Moldenke [A. officinalis L. s. lat.]

Bignoniaceae

Pandorea pandorana (Andr.) Steenis subsp. [P. austro-caledonica (Bur.) Seem.]

Brassicaceae (Cruciferae)

+ *Lepidium howei-insulae* Thell.

L. oleraceum Forst. f. var. nov.?

Caesalpinaceae

Caesalpinia bonduc (L.) Roxb. [C. bonducella (L.) Fleming, Guilandina bonduc L.]

Campanulaceae

Wahlenbergia gracilis (Forst.f.) Schrad.

+ *W. insulae-howei* Lothian [W. limenophylax Lothian]

Celastraceae

Elaeodendron curtispiculum Endl.

Chenopodiaceae

Atriplex cinerea Poir.

Sarcocornia quinqueflora (Bunge ex Ungern-Sternberg) A.J. Scott [Salicornia quinqueflora Bunge ex Ungern-Sternberg, S. australis Sol. ex Benth.]

Convolvulaceae

- Calystegia soldanella* (L.) R.Br.
Ipomoea brasiliensis (L.) Sweet [I. pes-caprae (L.) R.Br. subsp. brasiliensis (L.) Ootstrom]
I. cairica (L.) Sweet

Crassulaceae

- Crassula sieberiana* (Schult.) Druce

Elaeocarpaceae

- + *Elaeocarpus costatus* M.R.F. Taylor

Epacridaceae

- + *Dracophyllum fitzgeraldii* C. Moore & F. Muell.
Leucopogon parviflorus (Andr.) Lindl. [L. richei (Labill.) R.Br.]

Escalloniaceae

- + *Corokia carpodetoides* (F. Muell.) L.S. Smith [Colmeiroa carpodetoides F. Muell.]

Euphorbiaceae

- Baloghia lucida* Endl.
Drypetes lasiogyna (F. Muell.) Pax & K. Hoffmann var. *australasica* (J. Muell.) Airy Shaw
 [D. australasica (J. Muell.) Pax & K. Hoffmann, Hemicyclia australasica J. Muell.,
 D. affinis Pax & K. Hoffmann]
Euphorbia sparrmanii Boiss. [Chamaesyce sparrmanii (Boiss.) Hurusawa]
Omalanthus populifolius Grah.

Fabaceae (Papilionaceae)

- Canavalia rosea* (Sw.) DC. [C. maritima (Aubl.) Thou., C. obtusifolia (Lam.) DC.]
 + *Carmichaelia exsul* F. Muell.
Mucuna gigantea (Willd.) DC.
 + *Sophora howinsula* (W.R.B. Oliver) P.S. Green [S. tetraptera J. Mill. var. howinsula
 W.R.B. Oliver]
Vigna marina (Burm.) Merr. [V. lutea (Sw.) A. Gray]

Flacourtiaceae

- Xylosma ovata* Benth. [X. maidenii Sleumer]
 + X. sp. [X. ovata var. parvifolia F. Muell. ex Sleumer]

Gesneriaceae

- + + *Negria rhabdothamnoides* F. Muell.

Lamiaceae (Labiatae)

- Westringia fruticosa* (Willd.) Druce [W. rosmariniformis Sm.]

Lauraceae

- + *Cryptocarya gregsonii* Maiden
C. triplinervis R.Br.

Lobeliaceae

- Lobelia alata* Labill. [L. anceps auct. non L.f.]

Loganiaceae

- + *Geniostoma petiolosum* C. Moore & F. Muell.

Malvaceae

- Hibiscus tiliaceus* L. subsp. *tiliaceus*
Lagunaria patersonia (Andr.) G. Don

Meliaceae

- + *Dysoxylum pachyphyllum* Hemsl.

Menispermaceae

- Stephania japonica* (Thunb.) Miers var. *timoriensis* (DC.) Forman [S. forsteri (DC.) A. Gray]

Moraceae

- + *Ficus columnaris* C. Moore & F. Muell. [F. macrophylla Desf. ex Pers. s. lat.]
Malaisia scandens (Lour.) Planch.

Myoporaceae

- Myoporum insulare* R.Br.

Mysinaceae

- Aegiceras corniculatum* (L.) Blanco
 + *Rapanea mccomishii* Sprague
 + *R. myrtilina* Mez
 + *R. platystigma* (F. Muell.) Mez

Myrtaceae

- + *Cleistocalyx fullagari* (F. Muell.) Merr. & Perry [*Acicalyptus fullagari* F. Muell.]
Leptospermum flavescens Sm.
 + *Melaleuca howeana* Cheel [M. *ericifolia* auct. non Sm.]
 + *Metrosideros nervulosa* C. Moore & F. Muell.
 + M. sp. aff. *collina* (Forst. & Forst.f.) A. Gray [M. *villosa* auct. non Sm.]

Nyctaginaceae

- Pisonia umbellifera* (Forst. & Forst.f.) Seem. [P. *brunoniana* Endl., *Heimerliodendron brunonianum* (Endl.) Skotts.]

Oleaceae

- + *Chionanthus quadristamineus* F. Muell. [*Linociera quadristaminea* (F. Muell.) Knobl.,
Notelaea quadristaminea (F. Muell.) Hemsl.]
Jasminum didymum Forst. f.
J. volubile Jacq. [J. *simplicifolium* auct. non Forst.f.]
Olea paniculata R.Br.

Onagraceae

- Epilobium billardierianum* Ser. subsp. *cinereum* (A. Rich.) Raven & Englehorn

Oxalidaceae

- Oxalis rubens* Haw. [O. *corniculata* L. s. lat.]

Passifloraceae

- Passiflora herbertiana* Ker subsp. + *insulae-howeii* P.S. Green

Peperomiaceae

- Peperomia tetraphylla* (Forst. f.) Hook. & Arn.
P. urvilleana A. Rich.

Piperaceae

- Macropiper excelsum* (Forst.f.) Miq. var. *psittacorum* (Endl.) Laing [M. *excelsum*
 f. *psittacorum* (Endl.) A.C. Smith, M. *excelsum* var. *majus* (Cheeseman) Allan, Piper
excelsum Forst.f. var. *psittacorum* (Endl.) C.DC.]

Pittosporaceae

- + *Pittosporum erioloma* C. Moore & F. Muell.

Plantaginaceae

- + *Plantago hedleyi* Maiden

Polygonaceae

- Muehlenbeckia* cf. *M. complexa* (A.Cunn.) Meisn. [M. *axillaris* auct. non (Hook.f.) Walp.]

Ranunculaceae

- Clematis glycinoides* DC.

Rubiaceae

- + *Coprosma lanceolaris* F. Muell.
 + *C. prisca* W.R.B. Oliver
 + *C. putida* C. Moore & F. Muell.
 + *Psychotria carronis* C. Moore & F. Muell.
 + *Randia stipulosa* C. Moore & F. Muell.

Rutaceae

- Bauerella simplicifolia* (Endl.) T.G. Hartley [*Acronychia simplicifolia* (Endl.) D.J. McGillivray
 & P.S. Green, A. *baueri* Schott]
 + *Euodia polybotrya* C. Moore & F. Muell.
 + *Melicope contermina* C. Moore & F. Muell.
Zanthoxylum pinnatum (Forst. & Forst.f.) Druce

Santalaceae

- + *Exocarpos homalocladus* C. Moore & F. Muell.

Sapindaceae

- Dodonaea viscosa* (L.) Jacq.
+ *Guioa coriacea* (Radlk.) Radlk.

Sapotaceae

- Planchonella myrsinoides* (A. Cunn. ex Benth.) S.T. Blake ex Francis [Sideroxylon howeanum (F. Muell.) C. Moore & Betche]

Solanaceae

- Nicotiana debneyi* Domin
Solanum aviculare Forst.f.
S. nodiflorum Jacq. subsp. *nutans* R.J. Henderson [S. nigrum L. s. lat.]

Symplocaceae

- + *Symplocos candelabrum* Brand [S. cochinchinensis (Lour.) S. Moore subsp. *thwaitesii* (F. Muell.) Nootboom var. *montana* (C.T. White) Nootboom s. lat., S. cochinchinensis subsp. *thwaitesii* var. *stawelli* (F. Muell.) Nootboom s. lat.]

Thymelaeaceae

- + *Pimelea congesta* C. Moore & F. Muell.

Ulmaceae

- + *Celtis amblyphylla* F. Muell.

Urticaceae

- + *Boehmeria calophleba* C. Moore & F. Muell.
Elatostema reticulatum Wedd. var. + *grande* Benth.
Parietaria debilis Forst.f.

Violaceae

- Melicytus novae-zelandiae* (A. Cunn.) P.S. Green subsp. + *centurionis* P.S. Green [Hymenanthera novae-zelandiae (A. Cunn.) Hemsl.]

Viscaceae

- + *Korthalsella howensis* (Tiegh.) Engl. [K. japonica (Thunb.) Engl. s. lat.]
K. japonica (Thunb.) Engl. [K. articulata (Burm.f.) Tieghem]

Winteraceae

- + *Bubbia howeana* (F. Muell.) Tieghem [Drimys howeana F. Muell.]

NATURALIZED NON-NATIVE SPECIES

PTERIDOPHYTES

Aspidiaceae

- Cyrtomium falcatum* (L.f.) Presl

GYMNOSPERMS

Araucariaceae

- Araucaria heterophylla* (Salisb.) Franco [A. excelsa R.Br.]

ANGIOSPERMS

MONOCOTYLEDONS

Alstroemeriaceae

- Alstroemeria psittacina* Lehm.

Araceae

- Colocasia esculenta* (L.) Schott

Commelinaceae

- Tradescantia albiflora* Kunth
Zebrina pendula Schnizl.

Cyperaceae

- Carex inversa* R.Br.
Cyperus brevifolius (Rottb.) Hassk. [Kyllinga monocephala auct. non Rottb.]
C. eragrostis Lam.
C. involucratus Rottb. [C. alternifolius L. s. lat.]
C. polystachyos Rottb.
C. rotundus L.

Iridaceae

Sisyrinchium micranthum Cav.

Juncaceae

Juncus bufonius L.

Liliaceae (s. lat.)

Asparagus asparagoides (L.) W.F. Wight*A. densiflorus* (Kunth) Jessop [*A. sprengeri* Regel]*A. setaceus* (Kunth) Jessop [*A. plumosus* Bak.]*Lilium formosanum* A. Wallace [*L. philippense* Bak. var. *formosanum* (Bak.) E.H. Wilson]

Poaceae (Gramineae)

Arundinaria sp.*Avena barbata* Pott. ex Link*Axonopus affinis* Chase*A. compressus* (Swartz) Beauv.*Briza maxima* L.*B. minor* L.*Bromus diandrus* Roth*B. unioloides* Kunth*Catapodium rigidum* (L.) Hubbard*Chloris gayana* Kunth*Dactylis glomerata* L.*Digitaria sanguinalis* (L.) Scop. [*Panicum sanguinale* L.]*Echinochloa crus-galli* (L.) Beauv.*Eleusine indica* (L.) Gaertn.*Eragrostis cilianensis* (All.) Lutati*Hordeum glaucum* Steud.*Lagurus ovatus* L.*Lolium loliaceum* (Bory & Chaub.) Hand.-Maz. [*L. rigidum* Gaudin var. *rottboellioides*

Heldr. ex Boiss.]

L. rigidum Gaudin*Lophochloa cristata* (L.) Hylander [*Koeleria phleoides* (Vill.) Pers.]*Melinis minutiflorus* P. Beauv.*Monerma cylindrica* (Willd.) Coss. & Dur.*Paspalum dilatatum* Poir.*Pennisetum clandestinum* Hochst. ex Chiov.*Phalaris aquatica* L. [*P. tuberosa* auct. non L.]*P. canariensis* L.*Poa annua* L.*Polypogon monspeliensis* (L.) Desf.*Rottboellia exaltata* (L.) L.f.*Setaria palmifolia* (Koenig) Stapf*Sporobolus africanus* (Poir.) Robyns & Tournay [*S. indicus* auct. non R.Br.]*Stenotaphrum secundatum* (Walt.) Kuntze [*S. americanum* Schrank]*Stipa ramosissima* Trin.

DICOTYLEDONS

Amaranthaceae

Amaranthus viridis L.

Apiaceae (Umbelliferae)

Apium leptophyllum (Pers.) F. Muell.*Hydrocotyle bonariensis* Lam.*Torilis nodosa* (L.) Gaertn.

Apocynaceae

Vinca major L.

Araliaceae

Tetrapanax papyrifer (Hook.) K. Koch

Asteraceae (Compositae)

Ageratum conyzoides L.*Aster subulatus* Michx.*Bidens pilosa* L.*Centaurea melitensis* L.*Chrysanthemoides monilifera* (L.) T. Norlindh subsp. *rotundata* (DC.) T. Norlindh*Cirsium vulgare* (Savi) Ten.*Conyza albida* Willd. ex Spreng. [*C. floribunda* auct. non Kunth]*C. bonariensis* (L.) Cronquist [*Erigeron linifolium* Willd.]

C. parva Cronquist [*C. canadensis* auct. non (L.) Cronquist]
Eupatorium adenophorum Spreng. [*Ageratina adenophora* (Spreng.) R.M. King & H. Robinson]
Gaillardia x grandiflora Houte
Galinsoga parviflora Cav.
Gnaphalium americanum Mill. [*G. japonicum* Thunb. s. lat.]
G. spicatum Lam.
Hypochoeris radicata L.
Lactuca saligna L.
Senecio elegans L. [S. ?vulgaris sensu Oliver]
S. petasitis DC.
Sonchus asper (L.) Hill subsp. *glaucescens* (Jordan) Ball ['*Embergeria* sp.' sensu Rodd (1974)]
S. oleraceus L.
Taraxacum officinale Weber [T. *dens-leonis* Benth. & F. Muell.]

Basellaceae

Anredera cordifolia (Ten.) Steenis

Brassicaceae (Cruciferae)

Cakile edentula (Bigel.) Hook. subsp. *edentula* [*C. edentula* subsp. *californica* (Heller) Hulten, *C. maritima* Scop. s. lat.]
Capsella bursa-pastoris (L.) Medik.
Coronopus didymus (L.) Sm.
Lepidium hyssopifolium Desv.
Lobularia maritima (L.) Desv.

Caesalpiniaceae

Cassia coluteoides Colladon [*C. bicapsularis* L. s. lat.]
C. floribunda Cav. [*C. laevigata* Willd.]

Caryophyllaceae

Arenaria serpyllifolia L.
Cerastium fontanum Baumg. subsp. *trivialis* (Link) J alas
C. glomeratum Thuill. [*C. vulgatum* L. s. lat.]
Polycarpon tetraphyllum (L.) L.
Sagina apetala Ard.
Silene gallica L.
Stellaria media (L.) Vill.

Chenopodiaceae

Atriplex hastata L.
Chenopodium murale L.

Crassulaceae

Kalanchoe pinnata (Lam.) Pers.

Euphorbiaceae

Euphorbia heterophylla L.
E. peplus L.
E. prostrata Ait.
Phyllanthus tenellus Roxb.
Ricinus communis L.

Fabaceae (Papilionaceae)

Erythrina x sykesii Barneby & Krukoff [E. *lysistemon* sensu Rodd (1974)]
Lathyrus latifolius L.
Medicago lupulina L.
M. polymorpha L. var. *vulgaris* (Benth.) Shinnery [M. *denticulata* Willd.]
Melilotus indica (L.) All.
Trifolium glomeratum L.
T. repens L.
Vicia sativa L. subsp. *angustifolia* (L.) Gaudich.

Fumariaceae

Fumaria muralis Sond. ex Koch subsp. *muralis*

Gentianaceae

Centaurium tenuiflorum (Hoffmanns. & Link) Fritsch

Geraniaceae

Geranium molle L.

Lamiaceae (Labiatae)
Salvia coccinea Juss. ex J. Murr.
Stachys arvensis (L.) L.

Lauraceae
Cinnamomum camphora (L.) Nees

Malvaceae
Hibiscus mutabilis L.
Malva parviflora L.
Malvastrum coromandelianum (L.) Garcke
Modiola caroliniana (L.) G. Don
Sida rhombifolia L. subsp. *?retusa* (L.) Borss.

Moraceae
Morus alba L.

Myrtaceae
Psidium cattleianum Sabine
P. guajava L.

Ochnaceae
Ochna serrulata (Hoschst.) Walp.

Oleaceae
Ligustrum sinense Lour.
Olea europaea L. subsp. *africana* (Mill.) P.S. Green

Onagraceae
Oenothera drummondii Hook.

Oxalidaceae
Oxalis corniculata L. s. str.
O. corymbosa DC.

Passifloraceae
Passiflora edulis Sims

Pittosporaceae
Pittosporum undulatum Vent.

Plantaginaceae
Plantago lanceolata L.
P. major L.

Polygonaceae
Rumex brownii Campd.
R. crispus L.

Portulacaceae
Portulaca oleracea L.

Primulaceae
Anagallis arvensis L.

Proteaceae
Grevillea robusta A. Cunn.

Punicaceae
Punica granatum (L.) L.

Ranunculaceae
Ranunculus parviflorus L.

Rosaceae
Cotoneaster glaucophyllus Franch.
Duchesnea indica (Andr.) Focke
Eriobotrya japonica (Thunb.) Lindl.
Prunus persica (L.) Batsch

Rubiaceae
Coffea arabica L.

Rutaceae
Citrus limonia Osb. [incl. *C. jambhiri* Lushington]

Scrophulariaceae
Verbascum virgatum Stokes
Veronica arvensis L.

Solanaceae
Datura stramonium L.
Lycium ferocissimum Miers
Petunia x hybrida Vilm.
Physalis ixocarpa Brot.
P. peruviana L.
Solanum mauritianum Scop.
S. nigrum L. subsp. *nigrum*

Sterculiaceae
Brachychiton acerifolius F. Muell.

Valerianaceae
Centranthus ruber (L.) DC.

Verbenaceae
Lantana camara L.
Verbena bonariensis L.

DELETIONS FROM PRESENT-DAY FLORA OF LORD HOWE ISLAND

(1) Species recorded in previous accounts of the flora and accepted by Oliver (1917), but no specimens seen by Rodd or Pickard, and not recollected in recent years. In this group it is in most cases difficult, without seeing specimens, to distinguish between probable misidentifications and true records of species which have since disappeared from the island.

Hymenophyllum flabellatum Labill.
H. minimum A. Rich
H. tunbridgense (L.) Sm.
Pteridium esculentum (Forst. f.) Cockayne [*P. aquilinum* (L.) Kuhn var. *esculentum* (Forst. f.) Hook. f.]
Selaginella uliginosa (Labill.) Spring
Boerhavia repens L.
Cynanchum carnosum (R. Br.) Domin [*Vincetoxicum carnosum* (R. Br.) Benth.]
Disphyma australe (Ait.) J.M. Black [*Mesembryanthemum australe* Ait.]
Plectranthus parviflorus Willd.
Pseuderanthemum grandiflorum (Benth.) Domin [*Eranthemum variabile* R. Br. var. *grandiflorum* Benth.] (specimen in Kew Herbarium P.S. Green, pers. comm.)
Rhagodia baccata (Labil.) Moq.
Scaevola sericea Vahl [*S. frutescens* auct. non (Mill.) Krauss]
Sicyos australis Endl. [*S. angulata* auct. non L.] (specimen in Kew Herbarium P.S. Green, pers. comm.)
Tetragonia ? implexicoma Hook. f. [*T. strongylocarpa* (Endl.) W.R.B. Oliver]

(2) Species represented in National Herbarium of N.S.W. by one or two specimens only, and not recollected in recent years (1969—): mainly weedy exotics or Australian species which appear to have established briefly but have since died out.

Agrostis gigantea Roth
Avena sativa L.
Centaurea melitensis L.
Euphorbia thymifolia L.
Ipomoea alba L. [*I. grandiflora* Lam.]
Mirabilis jalapa L.
Nothoscordum inodorum (Ait.) Nicholson
Pelargonium australe Willd.
Plectranthus graveolens R.Br.
Pratia purpurascens (R.Br.) E. Wimmer
Urtica incisa Poir.
U. urens L.

(3) Species believed to have been part of the island's original flora, but regarded as now extinct.

- Calystegia affinis* Endl. [C. marginata R.Br. s. lat.]
Hibiscus diversifolius Jacq.
Pandanus pedunculatus R.Br. (only known plant died in 1975)
Pseuderanthemum grandiflorum—see also under (1)
Solanum bauertianum Endl. (believed extinct also on Norfolk Island, hence totally extinct)

(4) Species records based on known misidentifications.

- Daucus glochidiatus* (Labill.) Fisch., Mey. & Lall. [redet. as *Torilis nodosa* (L.) Gaertn.]
Ranunculus sessiliflorus R.Br. ex DC. [redet. as *R. parviflorus* L.]

COMMON NAMES

The following is an alphabetical list of local island names for indigenous species, with their botanical names.

Axe-handle Wood	<i>Planchonella myrsinoides</i>
Banyan	<i>Ficus columnaris</i>
Beach Lily	<i>Crinum pedunculatum</i>
Berrywood	<i>Ochrosia elliptica</i>
Big Mountain Palm	<i>Hedyscepe canterburyana</i>
Black Grape	<i>Psychotria carronis</i>
Blackbutt	<i>Cryptocarya triplinervis</i>
Bloodwood	<i>Baloghia lucida</i>
Blue Plum	<i>Chionanthus quadristamineus</i>
Bush Cane	<i>Flagellaria indica</i>
Bush Orchid	<i>Dendrobium gracilicaule</i>
Cedar	<i>Guioa coriacea</i>
Christmas Bush	<i>Alyxia ruscifolia</i>
Cottonwood	<i>Celtis amblyphylla</i>
Curly Palm	<i>Howea belmoreana</i>
Cut-grass	<i>Cyperus lucidus</i>
Cut-grass	<i>Gahnia xanthocarpa</i>
Dogwood	<i>Omalthus populifolius</i>
Fitzgeraldi	<i>Dracophyllum fitzgeraldii</i>
Forked Tree	<i>Pandanus forsteri</i>
Goatwood	<i>Coprosma prisca</i>
Green Plum	<i>Randia stipulosa</i>
Greybark	<i>Drypetes lasiogyna</i> var. <i>australasica</i>
Hopwood	<i>Dodonaea viscosa</i>
Hotbark	<i>Bubbia howeana</i>
Island Apple	<i>Dysoxylum pachyphyllum</i>
Juniper	<i>Myoporum insulare</i>
Kava	<i>Macropiper excelsum</i> var. <i>psittacorum</i>
Kentia Palm	<i>Howea forsteriana</i>
Killmoke (or Killmug)	<i>Cassinia tenuifolia</i>
Lignum-vitae	<i>Sophora howinsula</i>
Little Mountain Palm	<i>Lepidorrhachis mooreana</i>
Mangrove	<i>Avicennia marina</i> var. <i>australasica</i>
Maulwood	<i>Olea paniculata</i>
Moorei	<i>Lepidorrhachis mooreana</i>
Mountain Daisy	<i>Olearia ballii</i>
Mountain Rose	<i>Metrosideros nervulosa</i>
Mountain Rose, Yellow	<i>Metrosideros</i> sp. aff. <i>collina</i>
Native Grass	<i>Carex hattoriana</i>
Pine	<i>Polyscias cissodendron</i>
Pumpkin Bush	<i>Olearia mooneyi</i>
Pumpkin Tree	<i>Negria rhabdothamnoides</i>
Punkwood	<i>Pisonia umbellifera</i>
Sallywood	<i>Lagunaria patersonia</i>
Scalybark	<i>Cleistocalyx fullagari</i>
Scurvey-weed	<i>Commelina cyanea</i>
Stinkwood	<i>Coprosma putida</i>
Tamana	<i>Elaeodendron curtispiculum</i>
Tea Tree	<i>Leptospermum flavescens</i>
Tea Tree	<i>Melaleuca howeana</i>

Thatch Palm	<i>Howea forsteriana</i>
Wedding Flower	<i>Solanum bauerianum</i>
Wedding Lily	<i>Dietes robinsoniana</i>
Yellow Mountain Rose	<i>Metrosideros</i> sp. aff. <i>collina</i>
Yellow-wood	<i>Zanthoxylum pinnatum</i>

ACKNOWLEDGMENTS

The assistance of Dr Mary Tindale is gratefully acknowledged, for checking the names of all Pteridophyte entries. Other botanists at the National Herbarium of New South Wales also gave valuable assistance in matters of identification and nomenclature.

REFERENCES

- Hemsley, W.B. (1896). The flora of Lord Howe Island. *Ann. Bot. (Lond.)* **10**, 223-284.
- Jacobs, S.W.L. & Pickard, J. (1981). *Plants of New South Wales: a census of the Cycads, Conifers and Angiosperms*. Government Printer, Sydney.
- Oliver, W.R.B. (1917). The vegetation and flora of Lord Howe Island. *Trans. & Proc. N. Zeal. Inst.* **49**, 94-161.
- Pickard, J. (1973). An annotated botanical bibliography of Lord Howe Island. *Contr. New South Wales Natl. Herb.* **4**, 470-491.
- Rodd, A.N. (1974). Checklist of Angiosperms. In *Environmental survey of Lord Howe Island* (Eds. H. F. Recher & S. S. Clark), pp. 21-26. Government Printer, Sydney.
- Rodd, A.N. (1981). *XIII International Botanical Congress—Field trip 17, Lord Howe Island*. Australian Academy of Sciences, Canberra.