

THE NEW ZEALAND
ORCHIDS:

References
and
Illustrations

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compiled by Ian St George

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Introduction

This is simply a book of lists.

The first part is a chronological list of the important references to the N.Z. orchids, beginning with the botanical records of Cook's first visit, and continuing through those of further visits from European ships, the records of European botanists, the work of early explorers, settlers and botanists, the Floras of Hooker and Cheeseman, the papers of Hatch and others this century, to more recent publications. Only relatively major works are listed, but among these are included "popular" publications, whose importance in bringing orchids to public attention is recognised. Some Australian texts are listed because they contain reference to orchids common to both countries.

The second part is an alphabetical list of illustrators of the New Zealand orchids, the species they illustrated, and the locations of the illustrations - published or in public collections. Illustrations of artistic as well as botanical interest are included here, as are publications of mainly pictorial interest.

Such lists are always incomplete. Illustrations and major papers from the New Zealand Native Orchid Group's *Newsletters* have been listed from No.21 to date (for a complete reference list of the first 20 numbers see K.F.Ross's index, published by the N.Z.N.O.G.); minor work is not included; no doubt some important publications have been missed.

I acknowledge my debt to E.D.Hatch - I began with his card index.

Ian St George,
17 August, 1989

Errata: p25 paragraph 4 - delete the last ten words as no index is provided. p28 under Fitch W.H: *Earina mucronata* (in W.J.Hooker *Icones plantarum* 1844 t431) *Corysanthes cheesemanii* (in J.D.Hooker *Icones plantarum* 1881 p19 t1120) - uncoloured lithographs. *Corysanthes macrantha* was not illustrated.

Chronological list of references

Not all species cited in a work are necessarily listed: species are listed below the title only if there is *important* mention of them. This is not done in more general or recent works (Cooper 1981, and Johns and Molloy 1983 each use the same classification as Moore 1970).

Difficulties in classifying the species referred to are acknowledged - for example,

♦ Where there has been a split it is sometimes difficult to decide which current species was referred to - e.g. *Caladenia carnea* may have referred to one or more of the species currently named *Caladenia alata*, *Caladenia carnea*, *Caladenia catenata*, *Caladenia minor*, *Caladenia iridescens*, or even an unnamed species.

♦ Where a genus or species has been renamed, brackets are used, e.g. *Aclanthus (Cyrtostylis) reniformis* refers to the species then called *Aclanthus reniformis* and currently named *Cyrtostylis reniformis*. *Nematoceras rivularis (Corybas acuminatus)* refers to the species currently named *Corybas acuminatus*. Where the plant is now regarded as a hybrid, this is also noted in brackets.

♦ When an overseas species was mistaken for a New Zealand one, this is noted as, e.g., *Corybas unguiculatus (not Corybas carsei)* which refers to the Australian plant *Corybas unguiculatus*, once thought to be identical with *Corybas carsei*.

The first published description of a genus is double underlined, and of a New Zealand species single underlined.

- 1769 Solander D.C. *Primitiae Florae Novae Zelandiae sive Catalogus Plantarum in Eahel no Mauwe & T'avai Poenamoo*. Unpublished manuscript.
- Arethusa tetrapetala (Pterostylis banksii)* Ms1346.
Epidendrum (Bulbophyllum) pygmaeum Ms1350.
Epidendrum (Drymoanthus) adversum Ms1348.
Epidendrum (Earina) mucronatum Ms1349.
Epidendrum pendulum (Dendrobium cunninghamii) Ms1349.
Ophrys cornuta (Orthoceras strictum) Ms1341.
Ophrys porrifolia (Microtis unifolia) Ms1342.
Serapius regularis (Thelymitra longifolia) Ms1345.
- 1776 Forster J.R. and J.G.A. Forster. *Characteres Generum Plantarum quas in Itinere ad Insulas Maris Australis Collegerunt, Descripserunt, Delinearunt*. White, Cadell and Emsly, London.
Thelymitra p97, *T. longifolia* p98 t49.

- 1786 Forster J.G.A. *Florulae Insularum Australium Prodomus*. Gottingen, Joann. Christian. Deiterich.
Epidendrum (Earina) autumnale p60, n319.
Ophrys (Microtis) unifolia p69, n311.
Serapius regularis (Thelymitra longifolia) p59, n312.
 (see also *The Resolution Journal of Johann Reinhold Forster 1772-1775*. Ed Michael Hoare, 1982. Hakluyt Society. 2: p241; 3: p422 for notes on original discovery.)
- 1799 Swartz O. (?title). *Nova Acta Regiae Societatis Scientiarum Upsallensis* 6: p72.
Cymbidium (Earina) autumnale,
Dendrobium.
- 1800 Swartz O. *Afhandling om Orchidernes Slagter och deras Systematiska Indelning (On the genera of orchids and their systematical arrangement)*. *Kungliche Svenska Vetenskapsakademiens Handlingar* 21.
Epipactis porrifolia (Microtis unifolia) p233.
Thelymitra forsteri (longifolia) p228.
T. ixioides (not aemula) p253 t3 fl.
- 1804 Smith J.E. *Exotic Botany* 2. London, Taylor.
Arethusa (Caladenia) catenata p89 t104.
- 1806 de Labillardiere J.L.H. *Novae Hollandiae Plantarum Specimen* 2. Paris, Huzard.
Malaxis (Cryptostylis) subulata p62 t212.
- 1807 Persoon C.H. *Synopsis Plantarum seu Enchiridium, complectens enumerationem systematicam specierum hucusque cognitarum*. Pars II. Parisiis Lutetiorum, Treuttel et Wurtz, etc.
Neottia (Spiranthes) sinensis p511.
- 1807 Salisbury R.A. *Corybas aconitiflorus*. Aconite-flowered *Corybas*. *Paradisus Londinensis* LXXXIII.
Corybas aconitiflorus (not cheesemanii) t83.
- 1808 Smith J.E. in Rees *Cyclopaedia*.
Dendrobium (Bulbophyllum) pygmaeum 11 n27.
- 1810 Brown R. *Prodromus Florae Novae Hollandiae et Insulae Van-Diemen*. London, J. Johnson et Sectos.
Aclanthus fornicatus p321 (not *sinclairii*), *Caladenia alata* p325, *C. carnea* p324, *C. minor* p329, *Calochilus campestris* p320, *C. paludosus* p320, *Chiloglottis* p322, *Corysanthes (Corybas) unguiculata* p328 (not *carsei*), *Cryptostylis longifolia (subulata)* p317, *Cyrtostylis reniformis* p322, *Gastrodia sesamoides* p330, *Lyperanthus* p325, *Microtis parviflora* p321, *Neottia (Spiranthes) australis* p319, *Orthoceras strictum* p317, *Prasophyllum patens* p318, *P. rufum* p319, *Pterostylis mutica* p328 (not *tristis*), *P. nana* p327, *P. nutans* p327, *P. squamata (not plumosa)* p327, *Sarcochilus* p332, *Thelymitra carnea*

- p314, *T. lxioides* p314 (not *aemula*), *T. pauciflora* p314, *T. venosa* p314 (?not *cyanea*).
- 1818 Richard L.C. (?title). *Memoires du Museum Nationale d'histoire naturelle*. Paris.
Spiranthes 4: p50.
- 1822 du Petit-Thouars L.-M.A.A. *Histoire particuliere des plantes orchidees recueillis sur les trois Iles australes d'Afrique, de France, de Bourbon et de Madagascar, par le chevalier Aubert-Aubert du Petit-Thours....* Paris, L'auteur etc.
Bulbophyllum t3.
- 1824 Lindley J. *Spiranthes cernua*. Nodding Lady's Tresses. *Edwards's Botanical Register* 10.
Spiranthes australis (sinensis) t823.
- 1826 Brown R. and K.P.J.Sprengel. (?title). *Systema vegetabilium* 3.
Microtis porrifolia (unifolia) p713.
- 1830 Lindley J. *The Genera and Species of Orchidaceous Plants*. London, Ridgeways.
Bulbophyllum pygmaeum p58.
- 1831 Hooker W.J. *Pterostylis nutans*. Nodding-flowered *Pterostylis*. *Curtis's Botanical Magazine* Vol 5 of the new series or Vol 58 of the whole work. t3085.
- 1832 Hooker W.J. and Cunningham A. *Pterostylis banksii*. Banks's *Pterostylis*. *Curtis's Botanical Magazine* 59.
Pterostylis banksii t3172.
- 1832 Richard A. and Lesson A.-P. *Essai d'une Flore de la Nouvelle-Zelande*. Paris.
Cymbidium (Earina) autumnale p169.
Dendrobium biflorum (cunninghamii) p167 t26.
Diuris (Orthoceras) novae-zelandiae (strictum) p163 t25 f1.
Thelymitra forsteri (longifolia) p165 t25 f2.
- 1834 Lindley J. *Oncidium ampliatum*. Broad-lipped *Oncidium*. *Edwards's Botanical Register* 20. 1699.
Earina mucronata.
- 1835 Hooker W.J. *Microtis parviflora*. Small-flowered *Microtis*. *Curtis's Botanical Magazine* Vol 9 of the new series or Vol 62 of the whole work. 3377.
Microtis banksii (unifolia) under t3377.
- 1835 Lindley J. *Dendrobium pierardi*. Mr.Pierard's *Dendrobium*. *Edwards's Botanical Register* 21. 1756.
Dendrobium cunninghamii.
- 1836 Cunningham A. *Florae Insularum Novae Zelandiae Precursor: or a specimen of the Botany of the Islands of New Zealand*. Published serially in *Companion to the Botanical Magazine* 2: p367, and *Annals of Natural History* vol 1-4. 1838-9.
Acianthus (Corybas) rivularis p376 n312, *Bulbophyllum pygmaeum* p377 n317, *Dendrobium cunninghamii* p377 n316,

- Earina mucronata* p376 n315, *Gastrodia sesamoides* p376 n314, *Microtis banksii (unifolia)* p376 n311, *Orthoceras strictum* p376 n309, *Pterostylis banksii* p376 n313, *Thelymitra forsteri (longifolia)* p376 n309.
- 1840¹ Lindley J. A sketch of the vegetation of the Swan River Colony. *Edwards's Botanical Register* 25.
Macdonaldia (Thelymitra) cyanea p1108 App 1, *Pterostylis barbata (plumosa)* p1108 App 53.
- 1840² Lindley J. *The Genera and Species of Orchidaceous Plants*. London, Ridgeways.
Calochilus herbaceus p459, *Orthoceras solandri (strictum)* p512, *Pterostylis furcata* p390.
- 1843 Lindley J. (?title). *Edwards's Botanical Register* 29.
Earina suavolens (autumnalis) Misc 61.
- 1844 Hooker J.D. *Icones plantarum. Rare plants selected from the Kew Herbarium*. Third series.
Corybas macranthus, Corybas cheesemanii 3 p2 t1120, *Earina mucronata* t431
- 1844 Hooker J.D. *The Botany of the Antarctic Voyage. Vol 1: Flora Antarctica Part 1. Botany of Lord Auckland's Group and Campbell's Island*. London, Reeve.
Acianthus (Corybas) rivularis (?acuminatus) p71, *Chiloglottis cornuta* p69, *Thelymitra stenopetala (longifolia)* p69, *T.uniflora (cyanea)* p70.
- 1847 Hooker J.D. *Flora Antarctica Part 2*. London.
Chiloglottis cornuta, Lyperanthus antarcticus p544.
- 1853 Hooker J.D. *Flora Novae Zelandiae* 1. London.
Acianthus sinclairii p246, *Adenochilus gracilis* p246 t56A, *Bulbophyllum pygmaeum* p240, *Caladenia (Aporostylis) bifolia* p247, *Caladenia lyallii* p247, *C.minor* p247 t56B, *Cyrtostylis macrophylla (reniformis)* p246, *C.oblonga* p246, *C.rotundifolia (reniformis)* p246, *Dendrobium cunninghamii* p240, *Earina autumnalis* p239, *E.mucronata* p239, *Gastrodia cunninghamii* p251, *G.sesamoides* p251, *Microtis porrifolia (unifolia)* p245, *Nematoceras (Corybas) macrantha* p250 t57A, *Nematoceras (Corybas) oblonga* p250 t57B, *Nematoceras (Corybas) rivularis* p251, *Nematoceras (Corybas) rotundifolia (oblongus)* p251, *Nematoceras (Corybas) triloba* p250, *Orthoceras solandri (strictum)* p243, *Prasopphyllum colensoi* p241, *P.nudum* p242, *P.pumilum* p242, *P.tunicatum (nudum)* p242, *Pterostylis australis* p248, *P.banksii* p248, *P.foliata* p249, *P.graminea (var.graminea)* p248, *P. micromega* p248, *P.puberula (nana)* p249, *P.squamata (plumosa)* p249, *P.trullifolia* p249, *Sarcochilus (Drymoanthus) adversus* p241, *Spiranthes novae-zelandiae (sinensis)* p243, *Thelymitra uniflora (cyanea)* p244, *T.forsteri (longifolia)* p243, *T.imberbis (carnea)* p244, *T.pauciflora* p244, *T.pulchella* p244.
- 1860 Hooker J.D. *Flora Tasmanica* 2. London.
Acianthus viridis p372.

- 1864 Hooker J.D. *Handbook of the New Zealand Flora*. London.
Acianthus sinclairii p264, *Adenochilus gracilis* p265,
Bulbophyllum pygmaeum p263, *Caladenia (Aporostylis) bifolia*
 p267, *Caladenia lyallii* p267, *C.minor* p267, *Chiloglottis*
cornuta p269, *Corysanthes (Corybas) macrantha* p266,
Corysanthes (Corybas) oblonga p266, *Corysanthes (Corybas)*
rivularis p266, *Corysanthes (Corybas) rotundifolia (?oblongus)*
 p266, *Corysanthes (Corybas) triloba* p265, *Cyrtostylis oblonga*
 p264, *C.rotundifolia (reniformis)* p264, *Dendrobium*
cunninghamii p262, *Earina autumnalis* p262, *E.mucronata* p262,
Gastrodia cunninghamii p263, *Lyperanthus antarcticus* p270,
Microtis porrifolia (unifolia) p266, *Orthoceras solandri*
 (strictum) p273, *Prasophyllum colensoi* p272, *P.nudum* p272,
P.pumilum p272, *Pterostylis squamata (plumosa)* p269,
P.banksii p268, *P.graminea* p268, *P.micromega* p268, *P.puberula*
 (nana) p269, *P.trullifolia* p269, *Sarcochilus (Drymoanthus)*
adversus p263, *Spiranthes australls (sinensis)* p272,
Thelymitra colensoi (pauciflora) p271, *T.limberbis (carnea)*
 p271, *T.longifolia* p270, *T.pulchella* p271, *T.unifolia (cyanea)*
 p271.
- 1864 von Mueller F. *The Vegetation of the Chatham-Islands, sketched by F.Mueller*. Melbourne, Government Printer.
Chiloglottis traversii (Aporostylis bifolia) p51.
Pterostylis banksii var. *silvicultrix*.
- 1869 Kirk T. *Botany of Great Barrier Island*. *Trans.N.Z.I.* 1: p96. Edition 2.
Corybas acuminatus - first apparent collection (refer Bartlett
 and Gardner. *Flora of Great Barrier Island*. *Auck.Bot.Soc.Bull.*
 1983, p21. Also Hatch E.D. *Corybas rivularis* - the wet one.
Auck.Bot.Soc.Bull. 1986. p12.)
- 1871 Kirk T. *Descriptions of New Plants*. *Trans.N.Z.I.* 3: pp177-80.
Corybas cheesemanii p180.
- 1871 Reichenbach H.G. *Beitrag zur Systematischen Pflanzen Kunde*.
 Hamburg.
Caladenia (Chiloglottis) cornuta, *Corybas macranthus*,
C.oblongus, *C.rivularis*, *C.trilobus* p67, *C.unguiculatus* p43,
Microtis unifolia p62.
- 1872 Cheeseman T.F. *On the Botany of the Titirangi District of the*
Province of Auckland. *Trans.N.Z.I.* 4: p279: pp270-84.
Acianthus sinclairii, *Bulbophyllum pygmaeum*, *Caladenia minor*,
Chiloglottis cornuta, *Corysanthes (Corybas) cheesemanii*,
Corysanthes (Corybas) macrantha, *Corysanthes (Corybas)*
oblonga, *Corysanthes (Corybas) rivularis (acuminatus)*,
Corysanthes (Corybas) rotundifolia (rivularis), *Corysanthes*
(Corybas) triloba, *Cyrtostylis oblonga*, *C.rotundifolia*
(reniformis), *Dendrobium cunninghamii*, *Earina autumnalis*,
E.mucronata, *Microtis porrifolia (unifolia)*, *Orthoceras solandri*

- (strictum), *Prasophyllum pumilum*, *Pterostylis banksii*,
P.graminea, *P.puberula (nana)*, *P.trullifolia*, *Sarcochilus*
(Drymoanthus) adversus, *Thelymitra imberbis (carnea)*,
T.longifolia, *T.pulchella*.
- 1873 Bentham G. and Baron F.von Mueller. *Flora Australiensis: a*
Description of the Plants of the Australian Territory vol 6. London.
 L.Reeve & Co 1863-78.
Calochilus robertsonii p315,
Thelymitra cyanea p323.
- 1873 Cheeseman T.F. *On the fertilisation of the New Zealand species of*
Pterostylis. *Trans.N.Z.I.* 5: p352.
- 1875¹ Cheeseman T.F. *On the fertilisation of Acianthus and Cyrtostylis*.
Trans.N.Z.I. 7: p348.
- 1875² Cheeseman T.F. *On Pterostylis squamata in New Zealand*. *Trans.N.Z.I.*
 7: p352.
Pterostylis squamata (plumosa).
- 1876 FitzGerald R.D. *Australian Orchids* 1 (2). Sydney.
Pterostylis cycnocephala t7.
- 1877 Darwin C. *The various contrivances by which orchids are fertilised*
by insects. 2nd edition. London, John Murray Popular Edition (1904).
Acianthus sinclairii p86.
Pterostylis trullifolia p90.
- 1877 Fitzgerald R.D. *Australian Orchids*. Sydney. 1: 3.
Chiloglottis formicifera pl 9.
- 1878 Berggren S. *Nagra nya eller ofullstandigt kanda Arter Nya-*
Zeelandska fanerogamer. *Minneskr.flslogr.Sallsk. Lund.* (An English
 translation is given in *NZ Journal of Science* 1882, p432).
Thelymitra intermedia (now regarded as a synonym for
T.pauciflora) art 8 21 t5 f21-24.
- 1879 FitzGerald R.D. *Australian Orchids*. Sydney. 2: 2.
Chiloglottis gunnii 2: 2..
- 1879 Thomson G.M. *On the Fertilisation of some New Zealand Orchids*.
Trans.N.Z.I. 11: pp418-426.
Caladenia (Aporostylis) bifolia, *Chiloglottis cornuta*, *Corybas*
macranthus, *Dendrobium cunninghamii*, *Earina autumnalis*,
Lyperanthus antarcticus, *Microtis porrifolia (unifolia)*,
Prasophyllum colensoi, *Pterostylis banksii*, *Thelymitra*
longifolia.
- 1881 Cheeseman T.F. *On the fertilisation of Thelymitra*. *Trans.N.Z.I.* 13:
 pp291-96.
Thelymitra longifolia
- 1882 Buchanan J. *On some Plants New to New Zealand and Description of*
a New Species. *Trans.N.Z.I.* 14: pp356-7.
Epiblema grandiflorum (Thelymitra cyanea) p357

- 1882 Colenso W. A Description of a few new Plants from our New Zealand Forests. *Trans.N.Z.I.* 14: p329.
Sarcochilus breviscapa (Drymoanthus adversus) p332.
- 1882 Hooker J.D. *Icones Plantarum, or Figures, with Descriptive Characters and Remarks, of New and Rare Plants selected from the Kew Herbarium. Third Series.*
Corysanthes (Corybas) cheesemanii,
Corysanthes (Corybas) macrantha vol 3 p2.
Earina mucronata.
- 1883 Buchanan J. Additions to the Flora of New Zealand. *Trans.N.Z.I.* 16: 339-40.
Calochilus paludosus p340.
- 1883 Colenso W. Descriptions of a few new Indigenous Plants. *Trans.N.Z.I.* 16: p320.
Dendrobium lessonii (cunninghamii) p326.
Earina quadrilobata (mucronata) p325.
Pterostylis emarginata (banksii) p328.
- 1884 Colenso W. A further Contribution towards making known the Botany of New Zealand. *Trans.N.Z.I.* 16.
Bulbophyllum tuberculatum p336.
Corysanthes (Corybas) hypogaea (trilobus) p336.
Corysanthes (Corybas) papillosa (macrantha) p337.
Thelymitra formosa p338.
- 1884 Buchanan J. Botanical Notes. *Trans.N.Z.I.* 16: p397.
Bulbophyllum exiguum (tuberculatum).
- 1885 Colenso W. A Description of some newly-discovered and rare Indigenous Plants; being a further Contribution towards the making known the Botany of New Zealand. *Trans.N.Z.I.* 17: p237.
Caladenia variegata (carnea) p248.
Microtis longifolia (unifolia) p247.
Thelymitra nemoralis (longifolia) p249.
T.purpureo-fusca (longifolia) p249.
- 1886 Colenso W. A Description.... *Trans.N.Z.I.* 18: p256.
Earina alba (autumnalis) p267.
Gastrodia leucopetala (? cunninghamii) p268.
Microtis papillosa (unifolia) p269.
Orthoceras rubrum (strictum) p273.
Prasophyllum pauciflorum (colensoi) p273.
Pterostylis patens p270.
P.rubella (trullifolia) p270.
P.tristis p271.
Thelymitra alba (longifolia) p272.
- 1887 Buchanan J. On Some New Native Plants. *Trans.N.Z.I.* 19: pp213-6.
Gastrodia hectori (Prasophyllum patens) p214.

- 1888 Colenso W. On the Phaenogamic Plants of New Zealand. *Trans.N.Z.I.* 20: p188.
Prasophyllum variegatum (nudum) p208.
Thelymitra concinna (pulchella) p207.
T.cornuta (longifolia) p206
- 1890 Colenso W. A Description of some Newly-discovered Phaenogamic plants, being a Further Contribution.... *Trans.N.Z.I.* 22: p459.
Bulbophyllum tuberculatum p488.
Orthoceras caput-serpentis (strictum) p490.
Pterostylis auriculata (? banksii) p488.
P.polyphylla (micromega) p489.
P.speciosa (banksii) p488.
Thelymitra fimbriata (pulchella) p490.
- 1891 Colenso W. A Description.... *Trans.N.Z.I.* 23.
Corysanthes orbiculata (Corybas rivularis) p389.
- 1892 Cheeseman T.F. On some recent additions to the New Zealand flora. *Trans.N.Z.I.* 24: p409.
Caleana minor p411.
- 1892 Kirk T. Notice of the Occurrence of Australian Orchids in New Zealand. *Trans.N.Z.I.* 24: pp425-8.
Caleana minor p425.
Calochilus campestris (perhaps *Calochilus robertsonii*) p427.
- 1893 Petrie D. Description of a new genus and of new species of native plants. *Trans.N.Z.I.* 25: pp269-75.
Gastrodia minor p273 t20.
- 1893 Colenso W. Bush Jottings. *Trans.N.Z.I.* 26: p307.
Gastrodia leucopetala p308. Epiphytes p308.
- 1894 Colenso W. A Description.... *Trans.N.Z.I.* 26: p313.
Bulbophyllum ichthyostomum (pygmaeum) p319.
- 1894 Petrie D. Descriptions of new native plants. *Trans.N.Z.I.* 26: pp266-74.
Pterostylis oliveri p270.
- 1895 Colenso W. Phaenogams: A Description.... *Trans.N.Z.I.* 27: p383.
Caladenia macrophylla (Aporostylis bifolia) p396.
- 1896 Colenso W. Phaenogams: A Description.... *Trans.N.Z.I.* 28: p591.
Pterostylis subsimilis (banksii) p611.
P.venosa p610.
- 1898 Hooker J.D. *Caladenia carnea* var *alba*. Curtis's Botanical Magazine 54: t7630.
- 1899 Cheeseman T.F. Description of a New Species of *Corysanthes*. *Trans.N.Z.I.* 31: pp351-2.
Corysanthes matthewsii (Corybas carsei) p351.
- 1899 Colenso W. Phaenogams: A Description.... *Trans.N.Z.I.* 31: p266.
Pterostylis trifolia (venosa) p281.

- 1901 Cheeseman T.F. Some Recent Additions to the New Zealand Flora. *Trans.N.Z.I.* 33: pp312-3.
Chiloglottis formicifera p312.
- 1906 Schlechter R. (?title). Engler's *Botanische Jahrbucher fur Systematik Pflanzgeschichte und Pflanzengeographie* 39: pp39-42.
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Acianthus fornicatus var. *sinclairii* (*Acianthus sinclairii*) p106, *Acianthus (Cyrtostylis) reniformis* p106, *Acianthus viridis* p107, *Adenochilus gracilis* p108, *Aporostylis bifolia* p111, *Bulbophyllum pygmaeum* p163, *B.tuberculatum* p164, *Caladenia carnea* (C.C.alata, carnea, catenata, iridescens and minor) p109, *C.lyallii* p109, *Caleana minor* p131, *Calochilus campestris* (herbaceus) p121, *C.paludosus* p120, *C.robertsonii* p121, *Chiloglottis cornuta* p112, *C.formicifera* p112, *Corybas aconitiflorus* (cheesemani) p116, *C.cryptanthus* p117,

- C.macranthus* p119, *C.oblongus* p117, *C.orbiculatus (rivularis)* p118, *C.rivularis (acuminatus)* p118, *C.trilobus* p119, *C.ungulculatus (carsei)* p116, *Dendrobium cunninghamii* p162, *Drymoanthus adversus* p166, *Earina autumnalis* p160, *E.mucronata (EE.mucronata and aestivalis)* p159, *Gastrodia cunninghamii* p158, *G.minor* p158, *G.sesamoides* p157, *Lyperanthus antarcticus* p113, *Microtis oligantha* p154, *M.parviflora* p153, *M.unifolia* p154, *Orthoceras strictum* p147, *Prasophyllum colensoi* p148, *P.nudum* 151, *P.patens* p150, *P.pumilum* 151, *Pterostylis alobula* p138, *P.areolata* p142, *P.australis* p142., *P.banksii (banksii and patens)* p143, *P.barbata (plumosa)* p136, *P.brunalis* p138, *P.cycnocephala* 135, *P.foliata* p139, *P.graminea* var. *graminea*, *P.graminea* var. *rubricaulis* p145, *P.humilis* p141, *P.irsoniana* p147, *P.micromega* p139, *P.montana* p146, *P.mutica (tristis)* p134, *P.nana* 136, *P.nutans* p137, *P.oliveri* p140, *P.trullifolia* p137, *P.venosa* p141, *Spiranthes sinensis* p155, *Thelymitra carnea* 126, *T.decora* p128, *T.dentata* (hybrid) p128, *T.formosa* p127, *T.hatchii* p129, *T.intermedia (pauciflora)* p129, *T.ixioides (aemula)* p126, *T.longifolia* p130, *T.matthewsii* p125, *T.pauciflora* p130, *T.pulchella* p127, *T.venosa (cyanea)* p125, *Yuania australis* p164.
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 - 2 - *Corybas macranthus* 6: p40.
 - 3 - *Aporostylis bifolia* 6: p51.
 - 4 - *Pterostylis oliveri* and *P.irsoniana* 6: p78.
 - 5 - *Pterostylis trullifolia*, *P.brumalis* and *P.alobula* 6: p105.
 - 6 - *Earina* 6: p130.
 - 7 - *Dendrobium cunninghamii* 6: p147.
 - 8 - *Drymoanthus* 6: p179.
 - 9 - *Bulbophyllum* 6: p216.
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- 1979 Costin A.B. and others. *Kosciusko alpine flora*. Sydney, Collins.
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Pterostylis cardiostigma.
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Chiloglottis gunnii p18, p23.
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Corybas acuminatus.
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- 1985¹ Molloy B.P.J. *Botany Division Newsletter* 102: May p28.
Yoania australis (photographs).
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Pterostylis tristis reinstated.
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- 1986² Hatch E.D. The history of the discovery of *Yoania australis*. *Orchadian* 8: pp206-7.
- 1986³ Hatch E.D. *Corybas cryptanthus* Hatch. *Orchadian* 8: pp214-5.
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Acianthus viridis
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- 1987 Ross K.F. Altitude range of *Chiloglottis cornuta*. *NZNOG Newsletter* 22: p6.
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Calochilus herbaceus
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Corybas trilobus, *Corybas* aff. *trilobus*.
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- 1988² Hatch E.D. Notes on *Pterostylis humilis*. *NZNOG Newsletter* 25: p4.
- 1988¹ Jones D.L. and M.A. Clements. Reinstatement of the genus *Cyrtostylis*. *Lindleyana* 2: pp156-160.
- 1988² Jones D.L. and M.A. Clements. Reinstatement of the genus *Cyrtostylis* R.Br. and its relationships with *Acianthus* R.Br. (Orchidaceae). *Orchadian* 9: pp98-102.
- 1988 Jones D.L. *Native orchids of Australia*. Frenchs Forest, Reed Books.
- 1988¹ McCrae D. Some notes on *Caladenias*. *NZNOG Newsletter* 25: p11.
Caladenia iridescens, *Caladenia calliniger*
- 1989² McCrae D. The rediscovery of *Thelymitra matthewsii* in New Zealand. *NZNOG Newsletter* 29: p1.
- 1988¹ St George I.M. Will the real *Pterostylis montana* please stand up? *NZNOG Newsletter* 25: p12.
Pterostylis montana, *Pterostylis* aff. *montana*
- 1988² St George I.M. *Microtis unifolia* and *M. oligantha*. *NZNOG Newsletter* 27: p7.
- 1988³ St George I.M. *Corybas trilobus* in Otago. *NZNOG Newsletter* 28: p10.
- 1988 Molloy B. Host trees of perching orchids. *NZNOG Newsletter* 27: p10.
Drymoanthus adversus host trees.
- 1988 Pendrigh T. *Corybas cryptanthus* from the Oxford area of North Canterbury. *NZNOG Newsletter* 28: p7.
- 1989 Gibbs M. Iwitahi diary: *Corybas trilobus* variations. *NZNOG Newsletter* 29: p2.
- 1989 St George I.M. What is this southern *Drymoanthus*? *NZNOG Newsletter* 29: p8.
Drymoanthus "spotted leaf"

- 1989 Horsley F. *Yoania australis* at Collingwood. *NZNOG Newsletter* 30: p1.

Illustrations of the New Zealand orchids

Published illustrations or those in public collections are referred to here by alphabetical list of artists, cross-referenced where necessary with the main chronological list of references. Paintings, drawings and photographs of artistic or scientific quality are included. Books and papers of mainly pictorial interest are mentioned here rather than in the main chronological list.

For the sake of space and because the publications are well known, the orchids illustrated in recent major New Zealand books are not listed under artists' names (Irwin's drawings in Moore's section on orchids in Moore and Edgar's *Flora of New Zealand II*, Cooper's drawings in her *Field Guide to New Zealand Native Orchids*, Johns's colour photographs in Johns and Molloy's *New Zealand Native Orchids*). The many watercolours by Lydia and Elizabeth Blumhardt and Claire Scott in the Auckland Museum are not listed individually.

Eleonore Some Australian illustrations of orchids common to both countries, or orchids that in the past have been considered to be so, have been included (note especially Nicholls's watercolours in his *Orchids of Australia* (1969) and Woolcock's in *Australian terrestrial orchids* (1984)), but for the most part recent Australian work is excluded. In *A Handbook to plants in Victoria* Willis (1970) catalogues illustrations by species, and this is noted under species names in the index.

Abraham H.C.

Thelymitra carnea t76, and drawings of *Thelymitra* columns (including *Thelymitra sanscilia*) t77-81 in Hatch 1952³, from originals by J.B. Irwin.

Adams N.M.

Pterostylis banksii: watercolour in *Egmont National Park Handbook* 1970 (reproduced in Hatch 1988).

P. irsoniana, *P. tristis*, *Lyperanthus antarcticus*, *Caladenia lyallii*, *Aporostylis bifolia*, *Prasophyllum colensoi* t102; watercolour and line drawings in Mark and Adams 1979.

Archer W.

Thelymitra venosa (not *cyanea*), *T. carnea* t102, *T. ixioides* (not *aemula*), *T. aristata* (not *longifolia*) t103, *Calochilus campestris* (not *herbaceus*) t106, *Chiloglottis gunnii*, *Cryptostylis subulata* t108, *Prasophyllum patens* t111, *P. nudum* t113, *Pterostylis nana*, *P. foliata* t114, *P. plumosa* t116, *P. mutica* t117, *Microtis unifolia* t118, *Cyrtostylis reniformis* t119.

Caladenia carnea t124, *C.lyallii* t125, *Gastrodia sesamoides* t126: lithographs by W.H.Fitch from drawings by Archer in Hooker 1860 - coloured and uncoloured editions were printed.

Bauer F.

Pterostylis banksii t3172: coloured engraving in Cunningham 1832 (reproduced in Sampson F.B. *Early New Zealand Botanical Art*. 1985. Reed Methuen, Auckland. t15. In Sprunger S. *Orchids from Curtis's Botanical Magazine*. Cambridge University Press, 1986. In St George 1986⁴). *Microtis parviflora* t3377, coloured engraving in Hooker 1835 (reproduced in Sprunger 1986).

Gastrodia sesamoides t5, *M.parviflora* t15, *Cryptostylis subulata* t17, *Corybas unguiculatus* t18, *Calochilus paludosus* t32, *Caladenia carnea* t51, in Endlicher. *Icon.Gen.Plant.* 1838.

Cryptostylis subulata in *Ill.Gen.Orchid.* t17 & 18?? (quoted in Hook.f.*Fl.Tas.*p9.).

Berggren S.

Thelymitra intermedia (*T.pauciflora*) t5, t21-24: monochrome engraving in Berggren 1876 (reproduced in St George 1988¹).

Blackwell F.

Thelymitra longifolia and *Microtis porrifolia* (*unifolia*) t30, *Earina mucronata* t31, *Pterostylis banksii* t32, *E.suavolens* (*autumnalis*) t33, *Dendrobium cunninghamii* t34, *Corybas macranthus* t35: monochrome photographs in Laing and Blackwell. *Plants of New Zealand*. Whitcombe and Tombs, 1906. Auckland Museum has glass negatives for *Pterostylis banksii* and *Corybas macranthus*.

Blumhardt E.

Auckland Museum has an unpublished collection of 9 watercolours of 14 N.Z. orchids by Elizabeth Blumhardt dated 1905-1918.

Brownlee J.

Pterostylis montana, *P.banksii*, *P.irsoniana* in Laing R.M. and H.W.Gourlay. *Vegetation of the Bealey River Basin*. *Trans.N.Z.I* 1932; 64: p1-10.

P.oliveri in *NZNOG Newsletter* 1988; 25: p6.

Auckland Museum has a collection of Jessie Brownlee's watercolours of N.Z. orchids - various *Corybas* (*C.oblongus*, *acuminatus*, *trilobus*, *cheesemani*, *rivularis*, two others) 1932, *Calochilus campestris* 1935, *Gastrodia cunninghamii*, *Aporostylis bifolia* 1927, *Pterostylis plumosa*, *P.trullifolia*, *P.graminea* 1932, *P.oliveri* 1934, *Prasophyllum colensoi*.

Buchanan J.

Gastrodia hectori (*Prasophyllum patens*) t15: monochrome engraving in Buchanan 1887.

Nematoceras triloba (*Corybas rivularis*): watercolour sketch, 1862, in St George 1987⁶ from the original in the Otago Early Settlers' Museum.

Buchanan's sketchbooks in the National Library Wellington, Otago Early Settlers' Museum, and Auckland Museum contain other illustrations of N.Z. orchids (*Calochilus paludosus*, pencil copies of Fitch's orchid illustrations from Hooker 1853, *Pterostylis banksii*).

Cheeseman E.

Auckland Museum has a collection of Emily Cheeseman's watercolours c.1873 of New Zealand orchids (*Acianthus sinclairii*, *Pterostylis trullifolia*, *P.alobula*, *P.graminea*, *Corybas trilobus*, *C.acuminatus*, *C.unguiculatus*, *Cyrtostylis reniformis*).

Cheeseman T.F.

Pterostylis alobula t20: the monochrome drawing (engraved by Buchanan) in Cheeseman 1873 is a copy of Emily Cheeseman's original.

Cooper D.

Adenochilus gracilis, *Corybas oblongus*, *C.rivularis*, *C.trilobus*, *C.cryptanthus*, *C.acuminatus*, *C.macranthus*, *Aporostylis bifolia*, *Pterostylis oliveri*, *P.irsoniana*, *P.trullifolia*, *P.alobula*, *Earina autumnalis*, *E.mucronata*, *Dendrobium cunninghamii*, *Drymoanthus adversus*, *Bulbophyllum pygmaeum*, *B.tuberculatum* line drawings in Cooper 1978-80. (*C.acuminatus* and *C.rivularis* in Hatch. *Orchadian* 1986; 8: p217).

Line drawings and colour photographs of many species in *Field guide to New Zealand native orchids* (Cooper 1981).

Pterostylis cardiostigma: line drawing in Cooper 1983¹, 1983² and in *NZNOG Newsletter* 1986; 6: p8.

Thelymitra columns in *NZNOG Newsletter* 1984; 12: p4. *Gastrodia cunninghamii* and *G.sesamoides* in *NZNOG Newsletter* 1985; 14: p1.

Cranwell L.M. *The botany of Auckland*. Auckland Institute and Museum; second edition 1943 reissued 1981.

E.D.Hatch, *Yonia australis* monochrome drawing p24. P.Karwowski, *Thelymitra longifolia* monochrome photograph p86. K.Reynolds, *Earina autumnalis* colour photograph p91, *Dendrobium cunninghamii* monochrome photograph p119. E.Warneford, *Pterostylis banksii* monochrome drawing p96. F.Newhook, *Chiloglottis cornuta* monochrome photograph p109.

Dalrymple H.

Thelymitra venosa, *Drymoanthus adversus*, *Gastrodia cunninghamii*, *Corybas macranthus*, *Earina autumnalis*, *Aporostylis bifolia* and *Caladenia lyallii*: watercolours; *Adenochilus gracilis*, *E.mucronata*, *Microtis unifolia*, *Pterostylis graminea*, *Chiloglottis cornuta*: line sketches, in Dalrymple 1937.

- Davies W.C.
Dendrobium cunninghamii: monochrome photograph t29 in Davies. *New Zealand native plant studies*. Second edition. Wellington, Reed, 1961.
- Dockrill A.W.
Drymoanthus adversus t3: line drawing in Dockrill 1967.
- Druce A.P.
Prasophyllum colensoi, *Adenochilus gracilis*, *Microtis unifolia*, *Pterostylis nana*, *P.plumosa*: monochrome photographs in Druce 1950.
Pterostylis micromega: monochrome photograph in Druce 1961.
Corybas cryptanthus: monochrome photograph in Whitaker 1957.
- Duncanson T.
Thelymitra longifolia; watercolour, 1823, in St George 1987¹ from the original at Kew.
 Kew has others, unpublished, e.g. *Caladenia carnea*.
- Evans A. and S.Barnett. *New Zealand in Flower*. Auckland, Reed, 1987.
 C.Potter *Dendrobium cunninghamii*; G.Watson *Corybas macranthus*, *Caladenia lyallii*; J.Fennel *Earina mucronata*; J.Bedford *Dendrobium cunninghamii*, *Acianthus sinclairii*, *Earina autumnalis*, *Gastrodia cunninghamii*, *Thelymitra cyanea*; E.and J.Kelly *Pterostylis aff.patens*, *Thelymitra decora*, *Thelymitra longifolia*, *Aporostylis bifolia*, *Lyperanthus antarcticus*, *Prasophyllum colensoi*; R.Morris *Dendrobium cunninghamii*, *Microtis unifolia*; C.Barwell *Thelymitra pulchella* (labelled *T.venosa*): colour photographs.
- Featou S.A.
Acianthus sinclairii, *Corybas macranthus*, *Caladenia minor* and *Pterostylis banksii*: watercolour, c.1890, in St George 1988⁵ from the original in the National Museum, Wellington which has several unpublished watercolours of N.Z. orchids (*Earina mucronata*, *E.autumnalis*, *Dendrobium cunninghamii*; *Orthoceras strictum*, *Thelymitra longifolia*)
 The National Library has a watercolour of *P.graminea*.
- Fitch J.N.
 see Smith M.
- Fitch W.H.
Adenochilus gracilis and *Caladenia catenata* t56; *Corybas macranthus* and *C.oblongus* t57 (the latter reproduced in St George 1987²): lithographs - coloured and uncoloured editions were printed - in Hooker 1853.
 He made lithographic plates from Archer's drawings in Hooker 1860 (see Archer W.).
Corybas cheesemanii, *Corybas macranthus* and *Earina mucronata*: uncoloured lithographs in J.D.Hooker's *Icones plantarum*, 1844.

- FlitzGerald R.D.
Cyrtostylis reniformis i pt 4, *Caladenia carnea* i pt 7, *Calochilus campestris* (actually *C.robertsonii*), *C.paludosus* i pt 4, *Chiloglottis formicifera* i pt 3, *C.gunnii*, *C.cornuta* ii pt 2, *Corybas aconitiflorus* i pt 3, *C.unguiculatus* i pt 2, *Gastrodia sesamoides* ii pt 5, *Microtis unifolia* ii pt 1, *Orthoceras strictum* i pt 3, *Paracaleana minor* i pt 6, *Pterostylis mutica*, *P.cycnocephala* i pt 2, *P.plumosa* i pt 7, *P.nutans* i pt 6, *Thelymitra ixlioides* i pt 3, *T.carnea*, *T.longifolia* i pt 6: coloured engravings in FlitzGerald 1876-1880 (*Acianthus reniformis* reproduced in St George 1988³).
- Forster J.G.A.
Thelymitra longifolia t49: monochrome engraving in Forsters 1776.
T.longifolia, *Microtis unifolia*: watercolours 1773 in St George 1986² and 1986⁷ from the originals in the British Museum (Natural History).
 Engravings of the other drawings were made but never published - Auckland Museum and the National Museum each have a copy of *Earina autumnalis*.
- Gibbard L.
Gastrodia cunninghamii 1914: unpublished watercolour in Auckland Museum.
- Gibbs M.
Pterostylis banksii in NZNOG Newsletter 1985; 13: p3. *Orthoceras strictum* *ibid* p4. *Adenochilus gracilis* in NZNOG Newsletter 1986; 17: p1; 1988; 25: p16. *Dendrobium cunninghamii* in NZNOG Newsletter 1986; 19: p4. *Corybas trilobus* and *Corybas* sp. in NZNOG Newsletter 1987; 24: p6. *Calochilus robertsonii* in NZNOG Newsletter 1988; 26: p2. *Corybas trilobus* in NZNOG Newsletter 1989; 29: p3-4,6. *Acianthus sinclairii* in NZNOG Newsletter 1989; 31: p1. *Corybas cheesemanii* *ibid*: p2. *Gastrodia minor* *ibid*: p3.
- Given D.
Bulbophyllum tuberculatum: monochrome photograph, *Cryptostylis subulata*, *Calochilus robertsonii*: colour photographs in Given 1981.
- Good F.B.
 Three unpublished oil on canvas paintings in the Taranaki Museum collection of *Pterostylis banksii* (1925); *Dendrobium cunninghamii*, *Earina autumnalis* and *E.mucronata*, and one showing *Bulbophyllum pygmaeum* (with *Leptospermum* and *Gaultheria*).

- Goodger R. 1985-8. Portraits of New Zealand orchid species. *Orchids in New Zealand* 11; 1 and continuing. A series of colour photographs on the back covers.
- Calochilus robertsonii*, *C.paludosus* 1985; 11, 1. *Corybas orbiculatus (rivularis)*, *C.oblongus* 1985; 11, 2. *Thelymitra pauciflora* 1985; 11, 3. *Prasopphyllum colensoi*, *P.patens* 1986; 12, 1. *Earina autumnalis* 1986; 12, 2. *Cyrtostylis reniformis*, *Aclanthus sinclairii* 1986; 12, 3. *Corybas aconitiflorus (C.cheesemanii)*, *C.unguiculatus (C.carsei)* 1986; 12, 4. *Pterostylis trullifolia*, *P.brunialis*, *P.alobula* 1986; 12, 5. *Thelymitra decora*, *T.ixioides (T.aemula)* 1986; 12, 6. *Caladenia carnea* 1987; 13, 1. *Chiloglottis cornuta* 1987; 13, 2. *Bulbophyllum tuberculatum* 1987; 13, 4. *Thelymitra carnea* 1987; 13, 5. *Calochilus campestris (C.herbaceus)* 1988; 14, 1. *Orthoceras strictum* 1988; 14, 2. *Drymoanthus adversus* 1988; 14, 3. *Pterostylis australis* 1988; 14, 4. *Earina mucronata* 1988; 14, 5. *Pterostylis graminea var.graminea* 1988; 14, 6. *Pterostylis oliveri* 1988; 15, 1.
- Gould W.B.
Calochilus campestris: coloured engraving attributed to Scott, *Curtis's Botanical Magazine* 1832, t3187 (reproduced in St George 1987³). The Queen Victoria Museum and Art Gallery, Launceston, Tasmania, has a large collection of Gould watercolours, including several of orchids common to Australia and New Zealand.
- Graham D.K.F.
Cryptostylis subulata: line drawings in Graham 1976, 1983 and Graham R. *Slipper Orchids - the Art of Digby Graham*. Wellington, Reed, 1983.
Corybas orbiculatus (rivularis): line drawing - source unknown.
- Halle N.
Caladenia catenata t184 (reproduced in NZNOG Newsletter 1988; 28: p3), *Thelymitra longifolia* t185, *Microtis unifolia* t187, *Orthoceras strictum* t189: line drawings in Halle 1977.
- Hamilton A.
Gastrodia cunninghamii t20 f1-4 and *G.minor* t20 f5-7: monochrome engraving, in Petrie 1893.
- Harris E.C.
Thelymitra longifolia and *T.pulchella* (reproduced in St George 1988⁶); *Pterostylis banksii* and *Microtis unifolia*; *Dendrobium cunninghamii*; *Earina autumnalis*: watercolour paintings c.1925 in the National Library, Wellington.
E.mucronata: watercolour in Taranaki Museum.
- Hartwell E.G.
Dendrobium cunninghamii: unpublished watercolour ?date, in Canterbury Museum.

- Harvey N.B.
Pterostylis species: watercolour in Harvey. *New Zealand Botanical Paintings*. Christchurch, Whitcombe and Tombs, 1969.
- Hatch E.D. (senior)
Illustrated all of the papers of E.D.Hatch (Junior) until his death in 1949.
Prasopphyllum pumilum, *P.nudum*, *P.rogersii*, *P.colensoi*, *P.suttonii* t29: line drawings in Hatch 1946².
Aclanthus sinclairii, *Cyrtostylis oblonga* t57: in Hatch 1946³.
Corybas aconitiflorus, *C.unguiculatus*, *C.carsei* t58, *C.trilobus*, *C.oblongus* t59, *C.rivularis*, *C.macranthus*, *C.acuminatus* t60: in Hatch 1947.
Aporostylis bifolia, *Townsonia viridis* t14, *Chiloglottis cornuta*, *C.formicifera* t15: in Hatch 1949¹.
Lyperanthus antarcticus, *Gastrodia sesamoides* t16, *G.cunninghamii*, *G.minor* t17: in Hatch 1949².
Pterostylis plumosa, *P.nutans* t18, *P.tristis* t19, *P.foliata* t20, *P.australis* t21, *P.montana* t22, *P.rubricaulis* t23, *P.oliveri* t24, *P.nana*, *P.venosa*, *P.banksii* t26, *P.patens* t27, *P.graminea* t28, *P.micromega*, *P.montana* t29, *P.trullifolia*, *P.alobula*, *P.brunialis* t30, *P.furcata*, *P.humilis* t31: in Hatch 1949³ (*P.furcata* and *P.micromega* reproduced in Hatch 1988).
Calochilus robertsonii, *C.campestris*, *C.paludosus* t32: in Hatch 1949⁴.
Labela of *Caladenias*: in Hatch 1949⁵.
Dendrobium cunninghamii, *Drymoanthus adversus* t14, *Earina mucronata* t15, *E.autumnalis* t16, *Bulbophyllum pygmaeum*, *B.tuberculatum* t17, *Pterostylis irsoniana* t18: in Hatch 1950.
Paracaleana minor, *Adenochilus gracilis* t72, *Spiranthes novae-zelandiae*, *Microtis unifolia* t73, *Orthoceras strictum* t74: in Hatch 1952³.
Many of the original line drawings are in the Auckland Museum.
- Hatch E.D.
Corybas cryptanthus t71: line drawing in Hatch 1951¹, 1952¹, 1953², 1986².
Pterostylis areolata t72, *P.furcata*: in Hatch 1953.
Gastrodia columns: in Hatch 1954¹.
P.plumosa, *P.nana*, *P.nutans* t1, *P.furcata*, *P.trullifolia*, *P.foliata* t2, *Prasopphyllum nudum*, *P.pumilum*, *P.rogersii* t3, *Aclanthus sinclairii*, *Cyrtostylis oblonga*, *Corybas unguiculatus*, *C.aconitiflorus*, *C.carsei* t4, *Chiloglottis cornuta*, *Corybas trilobus*, *C.oblongus* t5, *Paracaleana minor*, *Adenochilus gracilis*, *Orthoceras strictum*, *Thelymitra sansclia*, *Calochilus paludosus* t6: line drawings in Hatch 1959.
Yonanla australis: line drawing in Hatch 1963¹, Cranwell 1981 and in NZNOG Newsletter 1983; 6: p7.

- Pterostylis banksii*, *P. plumosa*, *Corybas trilobus*, *Thelymitra carnea*, *C. carsei*, *Gastrodia sesamoides*, *Yoania australis*, *P. pumilum*: colour photographs in Hatch 1969.
- Pterostylis brumalis*: In *NZNOG Newsletter* 1984; 11: p3.
- P. plumosa*: line drawing in Hatch 1985.
- Yoania australis*: colour photograph in Hatch 1986¹.
- Hetley G.B. .
Earina mucronata, *Dendrobium cunninghamii*: watercolour paintings, (with line drawings of dissections of labellum and column of *D. cunninghamii*) in Hetley. *The Native Flowers of New Zealand* London, 1888.
- Originals in the Hawke's Bay Art Gallery and Museum, which also has an unpublished watercolour of "Orchid and rata" (*E. autumnalis*), reproduced in St George 1988⁴.
- Kew has watercolour sketches of several species.
- Hocken E.M.
Corybas macranthus, *Caladenia lyallii* and *Pterostylis banksii*: watercolour sketch, c.1890, in St George 1988², from the original in the Hocken Library, which also has a watercolour of "Kowhai and orchid" (*Earina autumnalis*)
- Hodges W.
Microtis unifolia, *Thelymitra longifolia*: watercolour sketches, c.1776, in St George 1986³ and in St George I.M. 1986. William Hodges's drawings of plants. *Turnbull Library Record* 19; 2: p141-154 - from originals in the National Library, Wellington.
- Holdsworth A.M.
Thelymitra sp.: unpublished watercolour 1936-7, National Library, Wellington.
- Hooker W.
Corybas aconitiflorus t83: coloured engraving in Sallsbury 1807 (reproduced in St George 1986⁵).
- Hooker W.J.
Pterostylis nutans t3085: colour engraving in Hooker 1831 (reproduced in St George 1986⁶).
- Irwin J.B.
Prasophyllum nudum: monochrome drawing in Hatch 1961¹.
- Pterostylis cynnocephala* t73, *P. mutica (tristis)* t74: monochrome drawings in Hatch 1953.
- P. banksii*, *P. brumalis*, *P. irsoniana*: monochrome reproductions of watercolours in Hatch 1965 (*P. irsoniana* reproduced in Hatch 1988).
- Microtis oligantha*, *M. unifolia* t1, *Thelymitra hatchii*, *T. aemula*, *T. dentata* t2, *Pterostylis trullifolia*, *P. brumalis*, *P. alobula* t3: monochrome drawings in Moore 1969.
- Monochrome drawings of many species in Moore 1970.

- Acianthus sinclairii*, *Corybas macranthus*, *C. cryptanthus*, *Caladenia carnea*, *Thelymitra pulchella*, *Orthoceras strictum* p193: watercolours; *Pterostylis montana*, *P. colensoi*, *Spiranthes novae-zelandiae*, *Gastrodia* sp., *G. cunninghamii* p195, *Dendrobium cunninghamii*, *Earina mucronata*, *Drymoanthus adversus* p197: monochrome drawings in Moore and Irwin 1978.
- Thelymitra venosa* t5, *Pterostylis patens* t14, *Aporostylis bifolia* t15: in Clarkson 1986.
- Corybas cryptanthus*: in Irwin 1954 (reproduced in *NZNOG Newsletter* 1986; 18: p3, and in Hatch 1988).
- C. macranthus*, *Corybas* "species A", *C. orbiculatus (rivularis)*: monochrome drawings in *NZNOG Newsletter* 1985; 15: p4. *Chiloglottis gunnii*; *Microtis parviflora*; *Orthoceras strictum*; *Calochilus robertsonii*; *Thelymitra longifolia*; *T. pauciflora*; *T. decora*; *Chiloglottis cornuta*; *Aporostylis bifolia*; *Caladenia iridescens*; *C. lyallii*; *Adenochilus gracilis*; *Pterostylis cardostigma*; *Pterostylis* sp.; *Corybas trilobus* in *NZNOG Newsletter* 1986; 20: p2-4. *C. cornuta* in *NZNOG Newsletter* 1987; 22: p4. *Calochilus campestris* *ibid* p5. *Corybas carsei* and *C. unguiculatus* in *NZNOG Newsletter* 1987; 23: p8. *Calochilus robertsonii* in *NZNOG Newsletter* 1987; 24: p4. *Thelymitra pauciflora* in *NZNOG Newsletter* 1987; 24: p11. *Corybas* sp. in *NZNOG Newsletter* 1988; 25: p2. *Caladenia iridescens* *ibid* p11. *Drymoanthus* "spotted leaf" in *NZNOG Newsletter* 1989; 29: p9.
- Jenkin D.
Gastrodia cunninghamii; *Gastrodia* sp.; *Prasophyllum colensoi* and *Microtis unifolia*; *Thelymitra venosa*; *Corybas trilobus*, *C. macranthus*, and *C. oblongus*; *C. acuminatus*; *Earina autumnalis* c.1960. A collection of unpublished watercolours of Stewart Island orchids, Rakiura Museum (some available as postcards).
- Johns J.
Chiloglottis gunnii, *C. cornuta*: monochrome photographs in Molloy and Johns 1983.
- Colour and monochrome photographs of many species in *New Zealand Native Orchids* (Johns and Molloy 1983).
- Johnson E.
Pterostylis patens t80: watercolour in R. Glenn (M.M. Johnson). *Botanical explorers of New Zealand*. Wellington, Reed, 1950.
- Cyrtostylis oblonga*, *Caladenia minor*, *Pterostylis plumosa*, *Acianthus sinclairii*, *P. banksii*, *P. graminea*, *Corybas macranthus*, *P. trullifolia* p82, *P. banksii*, *P. australis* p84, *Gastrodia cunninghamii*, *Earina autumnalis*, *Dendrobium cunninghamii*, *Thelymitra venosa*, *Orthoceras strictum* p86: in M.M. Johnson. *New Zealand flowering plants*. Christchurch, Caxton, 1968

Lalshley R.

Earina mucronata, *Orthoceras strictum*, *Dendrobium cunninghamii*, *Thelymitra longifolia*, *Pterostylis banksii*: watercolours c.1875, in St George 1987⁴ from originals in the British Museum (Natural History).

Lesson P.A. (attrib.)

Orthoceras strictum, watercolour, 1827: in St George 1987⁵ from the original in the Bibliotheque municipale, Rochefort, France, which also has a watercolour of *Dendrobium cunninghamii*.

Martin W.

Corybas macranthus, *Earina autumnalis*, *Thelymitra* sp., *Pterostylis banksii*, *Microtis unifolia*: monochrome photographs in Martin. *Native plants of Dunedin and its environs*. Dunedin Naturalists' Field Club, 1929.

Aporostylis bifolia, *Pterostylis patens*, *Chiloglottis cornuta*: monochrome photographs in Martin. *The Flora of New Zealand*. Third revised and enlarged edition. Whitcombe and Tombs, 1947.

Matthews H.B.

Thelymitra matthewsii: monochrome photograph reproduced in NZNOG Newsletter 1982, 4: p2. Glass negatives of many orchid photographs by Matthews are held in Auckland Museum and have recently been catalogued.

Natusch S.

Pterostylis banksii, *Thelymitra* sp., *Corybas macranthus*, *Aporostylis bifolia*, *Drymoanthus adversus*, *Prasophyllum colensoi*, *Microtis unifolia*, *Gastrodia* sp., *Dendrobium cunninghamii*, *Aclanthis sinclairii*, *Townsonia viridis*, *Caladenia* sp., *Lyperanthus antarcticus*, *Earina autumnalis*, *Chiloglottis cornuta*: watercolour and line sketches in Natusch 1968.

Nicholls W.H.

Thelymitra lxioides t5-9, *T. pauciflora* t22-26, *T. carnea* t41, *T. matthewsii* t46, *T. venosa* t50, *T. cyanea* t51, *Calochilus paludosus* t55, *C. robertsonii* t57-8, *C. campestris* t60, *Orthoceras strictum* t90, *Microtis parviflora* t94, *M. unifolia* t96, *Prasophyllum suttonii* t119, *P. patens* t123-4, *Paracaleana minor* t175, *Chiloglottis cornuta* t185, *C. gunnii* t186, *C. formicifera* t189, *Cyrtostylis reniformis* t195, *Townsonia viridis* t197, *Caladenia carnea* t219-21, *C. lyallii* t226, *C. iridescens* t231, *Corybas aconitiflorus* t281, *C. unguiculatus* t282, *Pterostylis nutans* t292, *P. nana* t294, *P. foliata* t306-7, *P. cycnocephala* t336, *P. mutica* t337, *P. plumosa* t345-6, *Gastrodia sesamoides* t350: watercolours in Nicholls 1969.

Cryptostylis subulata (reproduced in monochrome in Hatch 1988): watercolour published in the publicity brochure for the 1951 edition, but not in the book.

Nodder F.P. see Parkinson S.

Osborne F.

Earina autumnalis t10, *Pterostylis banksii* t39: watercolour paintings c.1915, in Goulding J. *Fanny Osborne's Flower Paintings*. Auckland, Heinemann, 1983.

Auckland Museum has original watercolours of *P. banksii*, *E. autumnalis*, *Dendrobium cunninghamii*, *Thelymitra* sp.

Parkinson S.

Earina mucronata, *Bulbophyllum pygmaeum*, *Dendrobium cunninghamii* (reproduced in St George 1986¹), *Thelymitra longifolia* (reproduced in Hatch 1952³, St George 1986⁷), *Microtis unifolia* (reproduced in St George 1986⁷), *Orthoceras strictum*, *Drymoanthus adversus*; c.1769. The drawings are in the British Museum (Natural History). Some of the plates (engraved by F.P. Nodder from Parkinson's drawings) were printed in monochrome in 1905 (Auckland Museum and the National Museum have sets), and all of them in colour in a limited edition (*Banks's Florilegium*) completed in 1988 (Hocken Library has a set).

Pendrih T.

Corybas cryptanthus: in NZNOG Newsletter 1988; 25: p10, in NZNOG Newsletter 1988; 28: p8.

Richardson F.

A collection from c.1921, unpublished watercolours of N.Z. orchids in the National Museum, Wellington (*Pterostylis banksii* and *Thelymitra* sp.; *Orthoceras strictum*; *Dendrobium cunninghamii*; *P. banksii*; etc).

Rupp H.M.R.

Townsonia viridis: line drawing in Rupp 1933 (reproduced in NZNOG Newsletter 1987; 23: p10).

St George I.M. 1986-8. New Zealand native orchid artists. *Orchids in New Zealand*. Continuing.

1986¹ Sydney Parkinson (*Dendrobium cunninghamii*): 12: 1: p23-4. 1986² Johann George Adam Forster (*Thelymitra longifolia* and *Microtis unifolia*): 12: 2: p66-8. 1986³ William Hodges (*T. longifolia* and *M. unifolia*): 12: 3: p94-6. 1986⁴ Francis Bauer (*Pterostylis banksii*): 12: 4: p138-9. 1986⁵ William Hooker (*Corybas aconitiflorus*): 12: 5: p168-9. 1986⁶ William Jackson Hooker (*P. nutans*): 12: 6: p208-210. 1987¹ Thomas Duncanson (*T. longifolia*): 13: 1: p22-3. 1987² Walter Hood Fitch (*C. macranthus* and *C. oblongus*): 13: 2: p42-4. 1987³ William Buelow Gould (*Calochilus campestris*): 13: 3: p67-8. 1987⁴ Richard Lalshley (*Earina mucronata*, *Orthoceras strictum*, *Dendrobium cunninghamii*, *T. longifolia*, *P. banksii*): 13: 4: p110-2. 1987⁵ French artists (Vauthier and Lesson) (*Orthoceras strictum*, *T. longifolia*): 13: 5: p144-6. 1987⁶ John

Buchanan (*C.rivularis*): 13; 6: p175. 1988¹ Sven Berggren (*T.intermedia* = *T.pauciflora*): 14; 1: p18-19. 1988² Elizabeth Mary Hocken (*C.macranthus*, *Caladenia lyallii*, *P.banksii*): 14; 2: p48-9. 1988³ Robert Desmond FitzGerald (*Cyrtostylis reniformis*): 14; 3: p84. 1988⁴ Georgina Burne Hetley (*Earina autumnalis*): 14; 4: p116. 1988⁵ Sarah Featon (*Acianthus sinclairii*, *Corybas macranthus*, *Caladenia minor*, *Pterostylis banksii*): 14; 6: p147. 1988⁶ Emily Cumming Harris (*Thelymitra pulchella*): 14; 6: p175. 1989¹ Margaret Olrog Stoddart (*Thelymitra pulchella*) 15; 1: p10.

St George I.M.

Corybas acuminatus: line drawing in *NZNOG Newsletter* 1987; 24: p2. *Pterostylis montana* and *P.sp.* in *NZNOG Newsletter* 1988; 25: p13. *Gastrodia cunninghamii* in *NZNOG Newsletter* 1988; 26: p4. *Lyperanthus antarcticus* *ibid* p11. *P.pareolata* *ibid* p12. *Microtis unifolia* and *M.oligantha* in *NZNOG Newsletter* 1988; 27: p8-9. *Corybas trilobus* in *NZNOG Newsletter* 1988; 28: p11-12. *Drymoanthus* "spotted leaf" in *NZNOG Newsletter* 1989; 29: p9. *Townsonia (Acianthus) viridis* in *NZNOG Newsletter* 1989; 30: p4. *Spiranthes sinensis* *ibid*: p8. *Thelymitra pulchella* *ibid*: p15. *Aporostylis bifolia* *ibid*: p16.

Salmon J.T.

Pterostylis banksii t5, *Dendrobium cunninghamii* t278-9, 572-3, *Earina autumnalis* t280, *E.mucronata* t281, *P.montana* t282, *Acianthus sinclairii* t283, *P.trullifolia* t284, *Thelymitra venosa* t305, *Corybas macranthus* t331, *T.longifolia* t409, *Cyrtostylis oblonga* t410, *C.reniformis* t411, *Orthoceras strictum* t412-5, *Microtis unifolia* t416, *Prasophyllum colensoi* t479, *Aporostylis bifolia* t490, *Caladenia carnea* t567, *C.minor* t568, *Corybas carsei* t596: colour photographs in Salmon. *New Zealand flowers and plants in colour*. Revised and enlarged edition. Wellington, Reed, 1967.

Orthoceras strictum t119-20, *Aporostylis bifolia* t122-3, *M.unifolia* t124, *Lyperanthus antarcticus* t256, *Pterostylis banksii* t298, *P.montana* t299, *P.oliveri* t413, *Caladenia lyallii* t415, *Prasophyllum colensoi* t414, *Thelymitra longifolia* t416-7, *T.venosa* t418: colour photographs in Salmon. *Field guide to the alpine plants of New Zealand*. Wellington, Reed, 1968.

Scott C.

Auckland Museum has an unpublished collection of 13 watercolours and 7 monochrome photographs of N.Z. orchids by Claire Scott dated 1909-1915.

Smart N.

Yuania australis: monochrome photographs in Molloy 1985.

Smith M.

Caladenia carnea t7630: colour engraving (by J.N.Fitch) in Hooker 1898.

Bulbophyllum tuberculatum t191, *Thelymitra longifolia*, *T.pulchella* t192, *T.venosa*, *Prasophyllum colensoi* t193, *P.pumilum*, *Pterostylis trullifolia* t194, *P.banksii* t195, *P.foliata* t196, *Lyperanthus antarcticus*, *Aporostylis bifolia* t197, *Chiloglottis cornuta*, *Townsonia viridis* t198, *Corybas carsei*, *C.oblongus* t199: monochrome lithographs by J.N.Fitch from drawings by Matilda Smith in Cheeseman 1914. Original pencil drawings in Auckland Museum.

Stoddart M.O.

Earina autumnalis, *Thelymitra pulchella* c.1894 (reproduced in St George 1989¹): watercolours in Canterbury Museum.

Swartz O.

Thelymitra lxioides: monochrome engraving in Swartz 1800.

Thomson G.M. *A New Zealand Naturalist's Calendar and Notes by the Wayside*. Dunedin, Stark & Co, 1909.

Contains monochrome photographs by J.C.Thomson and J.Crosby-Smith, one of *Thelymitra pulchella*.

Vauthier A-C.

Dendrobium cunninghamii t26; *Orthoceras strictum* and *Thelymitra longifolia* t25 (reproduced in St George 1987⁵): monochrome engravings, in Richard 1832.

Wilson H.D.

Corybas rivularis t363, *C.trilobus* t364, *Pterostylis venosa* t365, *P.australis* t366, *Microtis oligantha* t367, *M.unifolia* t368, *Prasophyllum colensoi* t369, *Gastrodia cunninghamii* t370, *Aporostylis bifolia* t371, *Caladenia lyallii* t372, *Thelymitra longifolia* t373, *T.hatchii* t374: monochrome drawings in Wilson. *Wild plants of Mount Cook National Park*. Christchurch, Whitcoulls, 1978

Thelymitra pauciflora, *Pterostylis banksii*: colour photographs in Wilson. *Wild flowers of New Zealand*. Christchurch, Bascands, 1978.

Corybas rivularis t449, *C.macranthus* t450, *C.trilobus* t451, *C.oblongus* t452, *C.acuminatus* t453, *Acianthus sinclairii* t454, *Townsonia viridis* t455, *Chiloglottis cornuta* t456, *Adenochilus gracilis* t457, *Aporostylis bifolia* t458, *Caladenia lyallii* t459, *C.catenata* t460, *Thelymitra longifolia* t461, *T.hatchii* t462, *T.pulchella* t463, *T.venosa* t464, *Earina autumnalis* t465, *E.mucronata* t466, *Dendrobium cunninghamii* t467, *Drymoanthus adversus* t468, *Bulbophyllum pygmaeum* t469, *Pterostylis venosa* t470, *P.banksii* t471a, *Pterostylis* sp. t471b, *P.montana* t471c, *Lyperanthus antarcticus* t472, *Microtis oligantha* t473, *M.unifolia* t474, *Prasophyllum colensoi* t475, *Gastrodia minor*

t476, *G.cunninghamii* t477, *Gastrodia* "long column". t478:
monochrome drawings in Wilson. *Stewart Island plants*.
Christchurch, Whiteculls, 1982.

Pterostyllis australis, *P.venosa*, *P.montana*, *P.graminea*: line drawing,
cover *N.Z.Bot.Soc.Newsletter* June 1987.

Woolcock C.E.

Line drawings in *Orchadian: Thelymitra matthewsii* 1979 (reproduced
in *NZNOG Newsletter* 1989; 29: p1); 6: p100; *Pterostyllis foliata*
p102; *Caladenia iridescens* p103. *Cryptostyllis subulata*,
Chiloglottis gunnii 1979; 6: p127. *Pterostyllis plumosa* 1980;
6: p182.

Cyrtostyllis reniformis p5A, *Caladenia catenata* p11C, *C.iridescens*
p29C, *C.lyallii* p47C, *Caleana minor* p51C, *Calochilus*
paludosus, *C.robertsonii*, *C.campestris* p53, *Chiloglottis cornuta*
p55B, *C.gunnii* p56C, *Corybas unguiculatus* p57E, *C.aconitiflorus* p57G,
Cryptostyllis subulata p59A, *Gastrodia*
sesamoides p75A, *Orthoceras strictum* p75B, *Microtis unifolia*
p79B, *Prasophyllum suttonii* p95B, *Pterostyllis plumosa* p103A,
P.nana p111A, *P.mutica* p111C, *P.nutans* p123A, *P.foliata*
p129A, *Thelymitra ixlioides* p143A, *T.pauciflora* p145B,
T.venosa p145C: watercolours in Woolcock 1984.