

# A CONTRIBUTION TOWARDS A CATALOGUE OF COLLECTORS IN THE FOREIGN PHANEROGAM SECTION OF THE HERBARIUM, NATIONAL BOTANIC GARDENS, GLASNEVIN (DBN).

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*Glasra* 4: 31–68.

Publication date 2. iv. 1980

**ABSTRACT.** A brief history of the Irish National Herbarium (DBN) is given and important collections are noted, Collectors represented in the foreign (extra-British Isles) section of the herbarium are listed with dates and places of collection

## INTRODUCTION

The Irish National Herbarium (DBN), at the National Botanic Gardens, Glasnevin, was formed in 1970 by the amalgamation of the herbaria of the National Botanic Gardens (formerly DUB) and the Botany Section of the National Museum of Ireland (DBN). Both the Botanic Gardens and the National Museum (formerly the Science and Art Museum) originated through the activities of the (Royal) Dublin Society. The National Botanic Gardens were established in March 1795, whereas the National Museum of Ireland was founded in 1877, though its collections are based on those of the Royal Dublin Society, which was itself founded in 1731.

The Dublin Society was established to promote interest in all aspects of “the useful arts and science’s” (Berry 1915). There is no record of any concerted attempt by the Society to form a museum prior to 1792, when the Irish Parliament provided it with a fund for the purchase of the famous Leskean Collection of Minerals, then being offered for sale in Germany. On November 8, 1792, Richard Kirwan reported to the Society that the mineral collection had been received and that he had also procured “without extra expense ...a Herbarium and Botanical Collections” as well as other natural history specimens (e.g. stuffed birds and insects) (White 1911). This is the first record of a herbarium under the care of the Dublin Society. In February 1796, the Society received a report from Dr. Walter Wade and Andrew Caldwell (see Britten 1916) that the “Botanical specimens . . . appear . . . to be valuable and in good preservation” (White 1911). In a letter written to James Edward Smith, dated 5 April 1796 (Smith Corresp. 3.21; Linnean Society, London), Caldwell informed Smith of the purchase of the Leskean cabinet. saying that “. . .there came also an Herbarium. Dr. Wade and I were appointed to look that over. I don’t believe it is of much value, but I am not a proper judge having never seen an Herbarium before, except Dr. Wade’s. We were agreed that it was best not to alter or make any addition, but let it remain as an original work, & rest on its own authority. & that the Society in due time should begin & form a new Herbarium for themselves. I suggested this . . .” In March 1796, the Society had asked Wade to prepare a catalogue of this herbarium; he was appointed the Dublin Society’s Professor and lecturer in botany in April 1796, with care of the herbarium and charge of the newly established botanic gardens at Glasnevin (White 1911, Berry 1915).

It is clear that Caldwell’s proposal for the formation of a new herbarium was accepted. A report of the Society’s Committee of Agriculture published in 1796 (after the botanic gardens had been established in March – see Nelson, in prep.) stated that “A Hortus Siccus [is] to be formed, containing as well Specimens of the Plants in the Garden as of all others throughout the World, which can be procured.” This hortus siccus (i.e. herbarium) was intended “for the purposes of Curiosity and Instruction” (see Nelson, in prep.). A

volume titled 'Hortus Gramineus Glasnevinensis', recently presented by the Botanical Research Institute, Pretoria, may represent a fragment of this early herbarium.

In 1799, William Sole (Savage 1937) presented the Botanic Gardens with a herbarium collection of British mints (*Mentha* spp.) (McCracken 1972). As noted by Caldwell, Wade had a personal herbarium, and on 4 December 1813, Wade reported to his patron, Ron. John Foster, that he had made a collection of *Salix*, *Quercus*, *Fraxinus*, *Populus* and *Acer* species as well as conifers. Wade used the specimens to illustrate his lectures as they showed all stages of growth. Wade thought that some of the specimens might not be satisfactory and complained that the cost of "proper paper. . . is severe, which my salary will not allow me to purchase . . . , and which the Society will not pay for . . ." (Foster / Massereene Papers, D207/ 59/20, P .R.O.N.I., Belfast).

John Underwood, the first head gardener (later styled superintendent) of the Botanic Gardens collected specimens from the cultivated plants. Two undated specimens which he collected are preserved in the present herbarium (see Morley 1972). However the work of Wade and Under- wood succeeded, it is clear that there was no extensive herbarium surviving at the Botanic Gardens in 1838, when David Moore became the curator. Moore reported that he had "this season commenced making a Herbarium on a large scale, which I trust will be found a useful and satisfactory accompaniment to this establishment" (White 1911 ). Five hundred specimens were dried in 1839.

In 1847, the Royal Dublin Society resolved to buy the herbarium of Dr. Litton, after several years dispute. This was done and Litton's collection is fully incorporated into the present herbarium. In 1865, the government undertook the complete financial support of the Botanic Gardens including the herbarium. In 1877, under an act of parliament, the Dublin Institutes of Science and Art were established as a government department, and the control of the Botanic Gardens passed from the Royal Dublin Society to the state. The National Museum (including Natural History Museum) and the National Library were founded by this act, and the Botanic Gardens became a state institution. In 1890, the specially designed museum buildings were completed and most of the herbarium and economic collections from the Botanic Gardens were moved to the new buildings in central Dublin (Ball 1890, White 1911). Thus the Botanic Gardens ceased to have full-scale herbarium, although David Moore's personal herbarium of Irish and British plants was retained at Glasnevin (see Colgan and Scully 1898, p. xxx).

Between 1890 and 1970, the tasks of curating and expanding the herbarium were undertaken at the National Museum. Only a small (c. 1,500 specimens in 1970) reference collection of herbarium specimens based on D. Moore's personal herbarium, mainly of indigenous Irish and cultivated plants, was held at the Botanic Gardens. In 1970, the museum's botanical collections were transferred back to their former home and amalgamated with the Botanic Garden's herbarium to form the Irish National Herbarium (Anon. 1970).

## **COLLECTIONS IN DBN**

While part of the natural history collections of the museum, the herbarium received a "very large assortment of duplicates" from the herbarium of Trinity College, Dublin (TCD) (Ball 1890, Johnson 1891), some of which remain to be incorporated. Thus, many collectors listed here may also be represented in TCD. Work on these donated specimens by this author suggests that the specimens were not exclusively duplicates, but that some of the material passed to the museum was unique (e.g. specimens of J.A.L. Preiss which bear

anomalous numbers – see McGillivray 1975, Nelson 1978); at the time of transfer (c. 1890) the authorities of Trinity College seem not to have been selective. This “ex-TCD” collection included many specimens from Commerson’s herbarium (see below), and also several specimens collected by Dante d’Isnard in 1712-13 which are amongst the oldest herbarium specimens in any Irish herbarium.

It is unnecessary to enumerate all the larger foreign collections in DBN, as other herbaria contain more important material from these non-Irish collections. A few collections are mentioned below to indicate the scope and richness of the DBN herbarium.

As noted above, the herbarium was founded by the acquisition of the botanical specimens from the Leskean Cabinet. No specimens from this collection have been identified in DBN, but a careful search has not been made. Nor have any specimens collected by Wade been found. Specimens from the Litton herbarium are extant and identified by a printed label. David Moore’s herbarium is essentially of Irish interest and therefore beyond the scope of this catalogue. However he did collect specimens from cultivated plants, some of which were certainly grown at Glasnevin. These specimens are in the foreign section of the herbarium.

Possibly the most important non-Irish herbarium in DBN is the William Ramsay McNab collection which the Museum bought about 1890 (Ball 1890, Johnson 189J). This herbarium was started by William McNab about 1800 and continued by his son James and grandson W.R. McNab from whose widow it was purchased. Among specimens in the McNab collections are Australian plants collected by Robert Brown (Morley & Powell 1976). South African collections of James Niven including types of Proteaceae (fide J. Rourke 1978), plants from the CHALLENGER expedition, cultivated plants from the Royal Botanic Gardens at Kew (see below) and Edinburgh collected between 1800 and 1840, and European and American plants from the many correspondents of the Botanical Society of Edinburgh of which the McNabs are members. Specimens collected by Gilbert (brother of James) and Catherine (their sister) McNab are also found in the herbarium. In the catalogue an attempt has been made to indicate (by \*) collectors represented in the McNab Herbarium. The W.R. McNab herbarium also included British (c. 1600) and Irish specimens collected in the nineteenth century including many historically important collections (e.g. James McNab’s Isle of Man plants, Scottish plants) (see Nelson, in press).

The specimens which William McNab collected from cultivated plants while he was a gardener at Kew (1801-1810) may possibly be of significance in the typification of species described in the second edition of *Hortus Kewensis* (Aiton 1810). For example seeds of *W. Australian Acacia* spp. (Mimosaceae) collected by Peter Good were received at Kew about 1803 (Aiton 1810) and the specimens in the McNab herbarium probably were collected from the resulting plants between 1807 and 1808. These living plants were studied by Robert Brown, who based his descriptions of new species on them (Aiton 1810. Maslin, pers. comm. 1978). Thus McNab’s specimens may be types (possibly neotypes; Maslin, pers. comm.) of Brown’s species. In this context it is significant that the *Acacia* specimens bear names that Brown applied, but which were unpublished when the specimens were collected; the dates of collection were 1807-1808, and of publication 1813.

The foreign herbarium contains duplicate specimens of the Chinese collections of Augustine Henry (orig. in K) (Morley 1979), whose Forestry herbarium is also housed at the National Botanic Gardens (Walsh 1957). The latter is not incorporated into the general herbarium but maintained separately, and includes specimens of trees cultivated in the British Isles which were used by Elwes & Henry (1907) in the preparation of their

monograph *Trees Of Great Britain and Ireland* (some duplicates from the Forestry herbarium are in the main herbarium).

Other significant collections: are Arctic plants from Franklin's expedition (1825-28) and from the British Polar Expedition (1875) collected by H.C. Hart, Russian plants from Fischer, South African plants from William Harvey and his correspondents (orig. in TCD), James Niven, and D.P. Murray (c. 1929), Australian plants from Ostenfeld (see Nelson & Scannel 1978), J.A.L. Preiss and Robert Brown (Morley & Powell 1976), Indian plants from V. Ball and J.D. Hooker, North American plants, from David Douglas, Thomas Drummond and many others, and South American plants from Harvey, Reed and Miquel Bang.

One recent acquisition should be noted. In 1976 the herbarium (c. 20,000 specimens) of the Department of Botany, University College (formerly Royal College of Science) Dublin was transferred to DBN. This is at present being incorporated, and is notable for a collection of French plants assembled between c. 1890 and c. 1910; it includes many French micro-species, not currently recognised in *Flora Europaea*.

The oldest collection in DBN is an hortus siccus which belonged to Dr. Thomas Molyneux (Clokier, 1964, p. 213, Scannell 1979) a leading physician in Ireland in the early eighteenth century (Hoppen 1970). Molyneux made botanical collections (which have not survived) and observations in Ireland (Nelson 1979). He studied physic (medicine) at Leiden in the Netherlands between 1683 and 1685 (Hoppen 1970). This "Herbarium Vivum" is a folio volume bound in leather (the binding appears to be contemporary) containing about 500 specimens collected in the Botanic (Physic) Garden of Leiden University before 1661. Ornamental, medicinal and some American, African and Asian plants are included in the collection. A catalogue of this collection is being prepared (Scannell 1979). The hortus siccus contains Molyneux's signature and an inscription in his handwriting which indicates that the plants were collected, and the hortus siccus assembled, by "Dominus Gayvian Pharmacopeus Leydensis . . . ex Horto Academica qui Lugduni Batavorum est . . ."; an alternative rendering of the name as "Gayman" is given by Scannell (1979). It is most likely to be a phonetic rendering of a Dutch surname. No person with this surname, or one like it, can be found in the municipal archives of Leiden (Margadant, pers. comm. 1978). Gayvian named the plants, but William Sherard, "amicus mihi [Molyneux] plurimum suspiciendus et ob Rei Herbariae peritiam merito celebris . . ." annotated many of the specimens with scientific names from Caspar Bauhin's *Pinax*. Sherard lived in Ireland from 1690 to about 1694 and visited Dublin, while he was tutor to the family of Sir Arthur Rawdon at Moira, County Down (Nelson, in press). The visit to Dublin took place in 1693, according to the Latin inscription in the hortus siccus. Although Molyneux studied in the Netherlands, he did not collect plants there, as far as can be ascertained. There are no Dutch collections made by him in DBN; the entry in *Index Herbariorum* (pt. II (4), p. 550) is incorrect as the Dutch collection (i.e. this hortus siccus) was prepared by "Dominus Gayvian".

## REFERENCES

**AITON, W.T. 1810 (-1813).** *Hortus Kewensis* 2nd ed. vol. I-V. London.

**ANON., 1970.** The Irish National Herbarium at Glasnevin, Dublin: *Taxon*, 19; 653.

**BALL, V. 1890.** *Official General Guide to the Science and Art Museum, Dublin*; pt. II pp. 50-51. Dublin.

**BERRY, H. E. 1915.** *The History of the Royal Dublin Society*. Dublin.

- BRITTEN, J. 1916.** An overlooked Irish botanist. *J. Bot.* J 73-180.
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- COLGAN, N. & SCULLY, R. W. 1898.** Contributions towards a Cybele Hibernica. 2nd ed. Dublin.
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- HOPPEN, T. K. 1970.** *The Common Scientist in the Seventeenth Century.* London.
- JOHNSON, T. 1891.** The herbarium and botanical collections in the Science and Art Museum. Dublin.
- KENT, D. H. 1957.** British Herbaria. London.
- McCRACKEN, E. 1972.** The origins of the library at Glasnevin Botanic Garden. *Irish Booklore*, 2; 82-88.
- McGILLNRAY, D, J. 1975.** J. A. L. Preiss (1811-1883) in Western , Australia. *Telopea* J; 1-18.
- MORLEY, B. D. 1973.** History of the National Botanic Gardens; in *Report of Recorders' Conference, Dublin, September 1972*, pp. 2-6. Dublin.
- MORLEY, B. D. 1979,** Augustine Henry: His botanical activities in China 1882-1890. *Glasra*, 3: 21-81.
- MORLEY, B. D. & POWELL, SR. M. 1976.** The Robert Brown material in the National Herbarium, Glasnevin, Dublin. *Glasra (Contrib. Nat. Bot. Gard., Glasnevin)*, 1; 12-39.
- NELSON, E. C. 1978.** A taxonomic revision of *Adenanthos* Labill. (Proteaceae). *Brunonia* 1(3), 303-406.
- NELSON, E. C.** (in press). The discovery in 1810 and subsequent history of *Phyllodoce caerulea* (L.) Dab. (Ericaceae) in Scotland. *Western Naturalist*.
- NELSON, E. C. 1979.** "In the Contemplation of Vegetables" Caleb Threlkeld, his life, background and contribution to Irish botany. *J. Soc. Bibliog. Nat. Hist.* 9: 257-273.
- NELSON, E. C.** (in prep.). A select annotated bibliography of nineteenth century works relating to the National Botanic Gardens, Glasnevin, Dublin.
- NELSON; E. C. & SCANNELL, M.J.P. 1978.** C.E.H. Ostenfeld's West Australian plants in the herbarium, National Botanic Gardens, Glasnevin, *Glasra*, 2: 1-24.
- SCANNELL, M.J.P. 1979.** A 17th century hortus siccus made in Leyden, the property of Thomas Molyneux, at DBN. *Ir. Nat. Journ.* 19: 320-321.

**WALSH, T.J. 1957.** *The Augustine Henry Forestry Herbarium at the National Botanic Gardens, Glasnevin, Dublin, Ireland.* Dublin.

**WHITE, H.B. 1911.** History of the Science and Art Institutions, Dub. in. *Journ. Dept. Agric. & Tech. Instruct. Ireland*, 12: 117-144.

The catalogue appended lists only collectors represented in the foreign phanerogam section of the herbarium. The DBN herbarium is divided into four general sections; (1) Irish phanerogams, (2) British phanerogams, (3) Foreign (i.e; extra-British Isles and cultivated phanerogams, (4) Cryptogams. The collectors represented in the Irish and British phanerogams collections are listed by Kent (1957). This catalogue does not include the collectors represented in the cryptogam section.

As far as possible, the names of collectors have been checked by referring to Index Herbariorum (pt. II, A-M), Hedge & Lamond (1970) and Clokie (1964). Very few of the collectors noted here are listed in Index Herbariorum (pt. II, A-M) for DBN (or DUB which was the code used by the National Botanic Gardens, before 1970). This catalogue rectifies that deficiency.

The catalogue was compiled by random selection of herbarium material. No systematic attempt was made to search the collections; in any case that would have involved too much time. After initial work on the catalogue, certain families known to occur in separate geographic regions (e.g. Proteaceae, Australasia) were chosen so that as far as possible all countries would be represented. It is axiomatic that this catalogue is not complete; supplements will be prepared, from time to time, as further Work is carried out.

Given the difficulties in transcribing some of the names from herbarium labels, there may be errors in this list which will be obvious to botanists more familiar with the history of botanical collections in their own country. The author acknowledges that such mistakes are his own errors, and would welcome corrections or comments from other botanists. The assistance of Miss M.J.P. Scannell, (National Botanic Gardens, Glasnevin), D.M. Synnott (National Botanic Gardens, Glasnevin), and especially Prof.J. Ewan (Tulane University, New Orleans, USA), who helped with the names of American collectors, is gratefully acknowledged. I am also grateful to Bruce Maslin (W.Australian Herbarium, Perth) for his comments on the cultivated specimens of *Acacia* spp.

The inclusion of a collector in this catalogue indicates that at least one specimen collected by that person is in DBN.; it does not imply that there is more than one specimen.

\*ex herb. W.R. McNab – see above.

## CATALOGUE

ABAIR, REV. C.	USA (California. Washington State) 1969
AKER, V.	Norway 1884
ALBERT, A.	France 1890-94
ALEXANDER, R. C. (see Prior. R.C.A.)	–
ALLMAN, W.	(ex hort, Ireland, coll. of seedlings)
AMASCARIDES, B.	Orisinianum 1886,
ANDERSON, (? Alexander)	Trinidad (c. 1790).
* ANDERSON, John	S. America 1830-King's Expedition.
ANDERSON, S.	Denmark 1913.
* ANDERSON, T.	Norway 1852.
* ANDERSON, WILLIAM	(ex hort, Kew 1808).
APPENZELL, C.	Switzerland 1840.
APPLEGATE, E. I.	USA (Oregon) 1893-97.
ARAGUE, J.	Argentina 1949.
ARAUJO e CASTRA, J.d'	Portugal 1887.
* ARCHIBALD, W.	Australia 1818
ARMSTRONG, LT. COL.	Argentina 1872 (seeds mainly).
ARP, G. K.	USA (Colorado) 1970.
ASTFALCK. V.	Germany.
AUBERT, G. E.	Burma 1903.
AUCBER-ELOY, P. M. R.	Mesopotamia (1834-35).
AUDAS, J. W.	Australia (Victoria) 1913.
AUSSERDORFER, A.	Tirol 1963-65.
BAAGØE, J. S.	Denmark 1866.
BABAJEE, BHIW A	India 1890.
BABINGTON, C. C.	France (c. 1850).
BACKHOUSE, J.	Australia 1833.
BAENITZ. C. G.	Silesia 1907 (Herbarium Dendrologicum).
BAILLCHER, F. L. J.	USA (Virginia) 1893.
BAKER, J. G.	Europe 1864.
BAKER, R. T.	Australia (NSW) 1896.
* BALDWIN. W.	Greenland (1827?-date of acquisition).
BALFOUR, I. B.	Bourbon Is. (= Mauritius) 1875.
BALFOUR, J. H.	Norway 1837.

BALL, JOHN	Italy, Switzerland, Morocco 1871.
BALL, Miss A. E.	(ex herb.-none collected by A.E.B.).
BALL, V.	India (c. 1864-81).
BANG, MIGUEL	Bolivia 1892 ( + 700 spec.).
BARBA, R. d~	Argentina 1947.
BARBER, Mrs. F. W. (M. E.)	S. Africa.
BARBIER, J. A.	France.
BARBOUR, W. C.	USA (Pennsylvania) 1899 ( + 200 spec.).
BARKLEY,F. A.	Argentina 1930.
BARRY, M.	(ex hort.).
BARTH, J.	Hungary 1910.
BARY, H. A. de	Switzerland.
BASSET, C.	France 1899.
BAVOUX, V.	France 1859.
BAXTER, W.	Australia (1829).
BAYLISS, R. D. A.	S. Africa 1971.
BEAUTEMPS-BEAUPRE, C.	France 1850.
BEAUVOIS. P. A. M- F. .1. de	N. America (c. 1793-95 in vicinity of Philadelphia).
BELL, T. B. .	Tyrol 1837.
BENNETT, A.	Europe (Potamogeton spp.).
BENNIS, Miss	Switzerland 1904 (100 spec.).
BENTHAM, G.	S. Europe.
BERGER, A.	Italy 1909.
* BERN, C.	Switzerland 1834.
BERNHARDI, Th.	Europe.
BERRINO, D.	Italy 1890,
BERTRAND, F. C.	France 1897.
BESSINNO, D.	Italy 1890.
BICKNELL, C.	Mediterranean 1890.
BILLOT, P. C.	France 1851.
BILTMORE, HERBARIUM	USA.
BIPONT, (?)	Germany.
* BISCHOFF, J. (?)	Switzerland 1837, USA (Pennsylvania).
BISSEL, C. H.	USA (Mass.) 1813.
BLACKWOOD, Miss	France (Brittany) 1911.
* BLAIR, T.	N. America 1834.



BLAKE, Rev. J.	USA (New Hampshire) 1860.
BLAKELEY, W. F.	Australia (NSW) 1899.
BLANC, A.	France.
BLANC, B.	France (1854).
BLANCHARD, F.	USA 1891.
BLASZCZYK, H.	Poland 1952.
BOEDEKER, C.	France 1835.
BOISSIER, P. E.	Europe 1837.
BOLTON, Col. D.	S. Africa (c. 1853-59).
BOLUS, L. (Mrs. F.)	S. Africa 1929.
BOORMAN, J. L.	Australia (NSW) 1899.
* BORRER, W.	Europe 1832.
BOSC, L. A. G.	USA (Carolina) 1798.
BOSWELL, J. T. I.	Italy (1,500 spec.).
* BOSWELL, The Misses	Austria 1819.
BOUCHT, G. G.	Finland 1902.
BOULLU, Abbe A. E.	France (Grenob1e) 1854.
BOURGEAU, EUGENE	Asia Minor, Canary Is. Sask, Mau, N. America 1857-59.
BOUTIGNY, D.	France 1850-51.
BOUVIER, E. L.	France 1849.
BOUVIER, J.	France 1859.
BOVE, N.	Algeria 1839.
BOWMAN, P. W.	USA (Mass.) 1928.
BRACHET, FI.	France 1900.
* BRACHT, A. von	Europe 1837.
* BRACHTZ, J.	Bohemia 1837.
BRAUN, A.	Germany (Bavaria) 1897.
BRAUN, G.	Germany.
BRICUET, Dr.	Brazil 1897.
BRIZUEL, A.	Argentina 1946.
* BROWN, P. J.	Switzerland 1838.
* BROWN, ROBERT	Australia 1801-03.
BRUMATI, L'Abbe	France 1829.
BRUN, A.	France c. 1900, Austria (116 spec.).
BRUNEAU	France 1898.
BRUTELETTE, B. dt	France 1858.

BUCH, H. R. V.	Finland 1913.
BUCHANAN, JOHN	Rhodesia 1879-81 (82 spec.).
BUCHTEIN, OTTO	Chile 1904.
BUCKLEY, S. B.	USA (Virginia, Alabama).
BUEN, J. N.	Germany.
BURCHARD, O.	Canary Is. 1912 (200 spec.).
BURCHELL, W. J.	S. Africa.
BURLE, Fr. A.	Alps 1863.
BUSH, B. F .	USA ("Indian Territory" = Oklahoma) 1896.
* CALEY, G.	Australia.
CALVAREZ, R.	Argentina 1947.
CAMFIELD, J. H.	Australia (NSW) 1897.
CAMPBELL, EUG.	Jamaica 1895.
CAMPBELL, J.	East Indies, 1836:
CAMPBELL, J. F.	Australia (NSW) 1899.
CANDOLLE, A. P. de	S. Europe.
CAREY, J.	USA (Pennsylvania).
CARON, H.	France 1850.
CARROLL, I.	Scandinavia 1863, Iceland.
CARTY, Miss	Australia, c. 1900.
CAVE, C. H.	India 1898.
CEDERKREUTZ, C. W.	Finland 1957.
CEDERSTRAHLE, E. C. J	Scandinavia 1850.
CENTURIU	Switzerland.
CERRACCIANO, A.	Italy 1889.
CHAMBINE, C. de	France? 1884.
CHAMISSO, L. A. von	Voyage around the world (e.g. St. Laurent).
CHANDLEE, T.	(ex hort. Ireland 1842).
CHASTANETZ, A.	France 1852.
CHATENIER, C.	France 1900.
CHATTERJEE, A. C.	Assam 1902. 42
CHENEVARD, P .	Switzerland 1898.
CHOULETTE, J. E.	Compiègne.
CHOWDHURY, G. S.	India 1958.
CHRISTIANSEN, M. S.	Norway.
* CHRISTY, W.	Italy, Norway.

CHURCHILL, G. C.	Tirol 1861-63.
CLARY, Dr. P.	France 1889.
CLAVAUD, A.	France 1885.
COLE, Miss E.	S. Africa.
COLEMAN, ?A. P.	Canada.
COLEMAN, Mrs. E.	Australia.
COLLEN	France 1893.
COMBER, T.	Switzerland 1873.
COMMERSON, P.	(ex herb. 1790).
COOKE, J.	Ceylon 1892.
COOKE, T.	India.
COOPER, T.	S. Africa 1860.
* COOPER, W.	Canada (Hudson Bay) 1813.
COPINEAU, C.	France 1973.
COPPINGER, R. W.	Greenland (British Polar Exped.--, see Hart, H. C.) 1875-76.
CORBIERE, L.	France 1897.
COUILL, L.	France (Pyrenees) 1903-06.
COULTER, T.	USA. (California), Mexico (trees) 1832.
COURCIERE, P.	France 1864.
COUSINS, C. A.	India 1933.
COVILLE, F. V.	USA (Oregon) 1897.
CROZIER, Capt.	Spitzbergen 1821 (HECLA expedition).
CSEHATI, A.	Hungary 1907.
CUEZZO, A. R.	Argentina 1945.
CUMMINS, H. A.	Bhutan, Sikkim 1893, Norway (c. 600 spec.).
CUNNINGHAM, A.	Australia.
CURTISS, A. H.	Bahamas 1903.
CZAPIK, R.	Poland 1976.
DANIELS, Mrs. I. C.	W. Australia 1975.
DARNAUD	France 1893.
DAVIES, Miss G.	W. Australia 1914 (ex herb. Ostenfeld).
DAVIES, Mr.	(ex hort. Calcutta 1896).
DAVIES, Mrs. M.	W. Australia 1914 (ex herb. Ostenfeld).
DAVIS, Rev. JOHN	USA (N. Carolina) 1912.
DEANE, W.	USA (N. Hampshire) 1904.
DEBEAUX, J. O.	France 1851, Algeria 1859.

DECAISNE, J.	(ex. herb.)
DEGEN, A. Von	Hungary 1905.
DEINBOLL, P. V.	Lapland 1817.
DELAUNAY, J.	France 1856.
DELESSERT, A.	(ex herb.).
DENSLOW, H. M.	USA (N. York) 1930.
* DERSTEDT, J.	Sweden 1867.
DES ETANGS, S.	France 1897.
DESEGLISE, P. A.	France 1864.
DEWART, F. W.	USA (Missouri) 1892.
DEYL, M.	Czechoslovakia 1938.
DICKSON, Mrs. V.	Madiera (c. 1930).
DIDIER, E.	France 1854.
* DIETL, F. A.	Austria 1830.
DIEUDONNE, O. de	Belgium 1864.
DION	France 1894.
DOLLINGER, G.	Austria 1837.
DOMINGO, S.	?
DORPH-PETERSEN, E.	W. Australia 1914 (ex herb. Ostenfeld).
DOUGLAS, D.	USA (California) 1830-32.
DREGE, J. F.	S. Africa (1826-34).
DRUMMOND, H. (see Hay)	
DRUMMOND, J.	Australia (c. 1845).
DRUMMOND, T.L	USA 1832.
DUARTE, S.	Portugal 1948.
DUCHASSAING de FONTBRESSIN, E. P .	In. San Tome. 1846.
DUCOT, F.	France 1864.
DUDLEY, T. R.	(ex hort. USA (Arboretum Washington 1967))
DUDLEY, W. R.	USA (California) 1896.
DUFFORT, L.	France.
DURNAUD, E.	France 1898.
DUTHIE, J. F .	Malta 1874.
DUVAL-JOUVE, J.	France 1876.
DUVEYIER de HAURAUNE, E. H.	France 1861.
* EATON (possibly Amos)	N. America 1834.
* EATON, D. C.	Conneticut 1859.

EBERHERDT, J.	S. Africa 1933.
ECKLON, C. F .	S. Africa 1828.
EHRENBERG	Egypt.
EKMAN, A.	Finland 1936.
* ELLIOT, Sir W.	India (Madras) 1857.
ELWES. H. J.	(ex hort. Britain, Ireland)-see Henry, A.
ENDRESS, P. A. C.	France 1830.
ENGLER, H. G. A.	Central Europe.
* ERNSTSEN, H. P.	Denmark 1869.
EWART, A. J.	Australia (c. 1920).
FACHRISSON, Y.	Sweden 1918.
FALCONER (?HUGH)	(ex hort. 1815).
FARMAR, L.	Ghana, Senegal 1906 (60 spec.).
* FAULHORN	Switzerland 1835.
FAURAT, L.	Switzerland 1885.
FAURÉ, A.	France 1895.
FEDERLEY, B.	Finland 1900.
FELIX, A.	France 1894.
FENDLER, A.	USA (New Mexico) 1847.
FENMAN	Br. Guiana 1907.
FERAT	France 1823.
FERGUSON, I. K.	Greece 1963.
FERNALD, M. L.	N. America (USA, Canada) 1918 (670 spec.), Nova Scotia 1932.
FERNANDEZ, E. E.	India 1903.
FERRARI, E.	Italy 1884.
FERREIRE, A. R.	Portugal 1874.
FIELDEN, W. H.	N. Zemlya.
* FISCHER, F. B.	Russia (St. Petersburg) 1836.
FISK, N.	USA (Colorado) 1964.
FLATT, C. de	Hungary 1902.
FLEISCHER, B.	Bohemia 1910-12.
FLEISCHER, F. von	Smyrna 1827.
FLOYD, F. G.	USA (Mass.) 1915.
FLYNN, MARGARET S.	L. Victoria. Tanganyika 1923.
FOGG, J. M. Jr.	USA (Mass.) 1927.
FONTELL, C. W.	Finland, 1901.

FONTES, C.	Portugal c. 1943.
FONTES, F.	Portugal c. 1960.
FORBES, E.	Norway.
FORSYTH, W.	Australia (NSW) 1899.
FORTUNE, R.	China (1843-50).
FRANK, J. C.	USA (Ohio) 1835.
* FRANKLIN, Sir J.	Arctic exped. (see Richardson, Dr.).
FRANQUEVILLE, A. de	France 1850.
FRASER, J.	England 1924 (ex hort.).
FRETWELL, R. J.	Switzerland 1884-85.
FRIDERICHSEN, K.	Denmark 1895.
FRIES, Th. M.	Swedish Arctic 1868.
FUNK	Spain 1848.
FURBISH, KATE	USA (Maine) 1913.
FUZOLZ	Corsica.
GAGE, A. T.	Burma (Chittagong), India (Punjab) 1899-1903.
GALLAGHER, P.	USA? 1895.
GAMBLE	
* GANSAUGE, H. von	Switzerland.
GARDER	Tirol 1863.
GARDNER, G.	Brazil 1836-41.
GARIOD, H.	Alps 1863.
GARNIER	In. Bourbon, W. Indies 1845, Switzerland 1847.
GAY, J.	France 1872.
GAYER, Gy.	Hungary 1907.
GAYVIAN, "DOMINUS"	(ex hort. Leiden ante 1661).
GELMI, E.	Tirol 1883.
GEORGIEFF, T.	Bulgaria 1927.
GERARD, F.	France 1897.
GEROZ	France 1898.
GERVAIS, Bro G.	(? Alaska) 1892.
GEYER, .C. A.	USA (Missouri, Oregon, Rocky Mountains) 1843-46.
GIBELLI, G.	N. Italy 1876 (500 spec.)
GIBELZ, D. G.	Appenines 1878.
GIEBHARD	Antipolinum.
GILMORE, Miss J. G.	S. Africa 1930 (63 spec.).

GIRAUDIAS, L.	France 1880-93.
GIROD, L. A.	France 1896.
GLAY, H. B.	Nepal 1835,
GLUCK, C. M. H.	Europe 1912.
GOEBEL, Prof. von	Mediterranean.
GOES, A. T. von	Spitzbergen 1861.
GONNET, Abbe P. H.	France 1899.
* GOOD, P.	Australia 1801-03 (specimens from plants grown from seeds collected in Australia).
GORDON, Dr.	(ex hort.).
GRAEFF, RECKET	
GRATTON, V. M. A.	Australia (Victoria) 1913.
GRAZ, Z.	Hungary 1910.
GREEN, TRAIL	USA (Pennsylvania) 1859.
GREENE, B. D.	USA (Mass.) 1833.
GRENIER, Z. J. C. M.	France 1851.
GRIFFITH, W.	Afghanistan (Khasyia).
GRIFFITY, R. E.	USA (Virginia),
GRISCOM, L.	USA (Mass.) 1928.
GUGNACKA, W.	Poland 1974.
GUICCIARDI, G.	Greece 1857.
GUILIO, B.	Italy 1889.
GUILLEMIN, J. P. A.	Brazi11839.
GUILLON, A.	France 1856.
GUINET	Switzerland 1878.
GUISENON	France.
GUSTAFSSON, Prof. J. P.	Sweden (1894).
GYORFFY, L	Hungary 1906.
HAAKANA, A.	Finland, 1961.
HADEN, S.	Pyrenees, Alps 1840-41,
HAFFNER, J.	Austria.
HAGERUP, O.	Denmark (1911-53).
HALACSY, E. de	Aegean 1889.
HAMBURY, J. A.	(ex hort. 1863).
HAMPE, G. E. L.	(ex herb.).
HANSEN, A.	Teneriffe, 1974.
HARRIS, Dr. S. A.	India 1891.

HARRIS, W.	Jamaica 1895-99.	
HART, H. C.	N. America, Greenland (British Polar exped.), Palestine (Sinai).	
HARTMAN, C.	Sweden 1852.	
* HARVEY, W. H.	S. Africa, Chile, Australia, Switzerland.	
HASENDE	France 1898.	
HASSLER, E.	Paraguay 1885-95.	
HAY, H. M. (néé Drummond)	France 1837.	
* HAY, MISS	USA (Cincinnati) 1817.	
HAYDEN, Sm.M. V.	Panama 1967.	
HAYREN, E. F.	Finland 1950.	
HAZSLINSZKY von HAZSLIN, F. A.	Hungary.	
* HEER, O.		1837
HEILAND, ?K.	Germany.	
HEIMANS, J.	Netherlands, 1960.	
HEINIG, R. L.	Andaman Is. 1810.	
HELDREICH, T. von	Greece 1859-61.	
* HELLWIG, T.	Germany.	
* HENDERSON, L. F .	USA (Idaho) 1895.	
HENNING. Dr.	?1853.	
HENRY. A.	Central China 1885-88 (7,500 spec.), Alps, (ex hort., see Elwes).	
* HEPP, E.	Switzerland 1841.	
HERBERT, M.	France 1818.	
HERRE, A. W. C. T.	USA (California) 1903.	
HERVIER, BASSON, Abbé J.	Spain 1894-95, France.	
HESLOP-HARRISON, J.	Sweden 1950.	
HESSELBERG, A.	USA (Arizona) 1957.	
HEURCK, H. F. von	Belgium 1863-67.	
HINCKS, G.	USA (N. York) 1848.	
HOCHREUTINER, B. P. G.	Java, Samoa, Hawaii 1903-05.	
HODGSON, ?D. H.	Burma 1900.	
HOHENACKER, R. F.	Caucasia 1838.	
HOLLMEN, H.	Finland 1879.	
HOLLOS, Dr. L.	France 1894.	
HOOD, J.	Br. Honduras 1970.	
HOOGSON, C. P .	Japan 1860.	
HOOKER, J. D.	Sikkim, Himalayas, New Zealand, Tasmania.	



HOSCHEDE, J.	France 1892.
HOTCHKISS, N.	Canada (Newfoundland) 1925.
HOWARD, C. J.	USA (Colorado) 1971.
HUDSON, H. T.	Spain, c. 1952.
HUET de PAVILLON, (A?)	Europe 1858.
HUGUENIN, A.	France (Savoy) 1852.
HUIDOBRO, A. M. R.	Argentina 1947.
HUK, ABDUL	Burma 1891.
HUTCHINS, Miss	Europe.
HUTER, R.	Tirol 1864-1875.
HUTTON, H.	S. Africa.
HUTZELMANN	Czechoslovakia.
HY, Abbé F. C.	France 1895.
IRAT, P. F. A. .	France 1849.
ISNARD, DANTE d'	France 1712-13.
* JAMESON, WILLIAM (of Quito)	Andes, Peru.
* JAMESON, WILLIAM (of Saharanpur)	India (Saharanpur),
JAMISON, W.	W. Greenland 1818.
JAYET, B.	France 1854.
* JEFFREY, J.	N. W. America 1851.
JENKINS, Capt.	East Indies.
JENMAN, G. S.	Br. Guiana 1896.
JENNINGS, A. V.	Switzerland 1896.
JENSEN, C. E. O.	Denmark 1901.
JILAK, V. M.	India 1889.
JOHNSON, Rev .E.	India (Nilgiri Hills).
JOHNSTON, J. M.	Baja California, Mexico 1921.
JOKERST, B. J.	Arizona 1957.
JONSELL, B.	Sweden 1960-1970.
JORDAN, A.	France 1853.
JUDE, Fr.	France 1898.
KABLIK, JOSEPHINE	Germany.
KANETKAR, P. S.	India 1890.
KARELIN. G. S.	Dzungaria. Ala-tau 1841 (see Kirilov).
KAROI, F. K.	Dauria 1892.
KARSTEN, N. von	Austria 1862.

KELAART, E. F.	Spain.
KELLOGG, J. H.	USA (Missouri) 1904,
KELLY, K.	Australia (Victoria) 1913.
KERNER	Austria.
* KERR, W.	(ex hort. Kew 1806 ex China).
KHALIL, A.	India 1896.
KHAN, B.	Assam 1890.
KIRILOV, (Kiriloff) I. P.	Dzungaria, Ala-tau 1841 (see Karelin).
KLASTERSKY, I.	Czechoslovakia 1936.
KNAPP, (? J. L.)	(ex herb. ?Norway).
KNOWLES, Miss M. C.	(ex hort. Ireland).
KNOWLTON, C. H.	Nova Scotia 1925.
KOCH, Frau E.	Switzerland 1932.
KOCH, M.	Australia 1902 (400).
KOEHLER, R.	Switzerland 1903.
KOKEIL, F.	Carpathia 1861.
KOLLIKER, A.	Switzerland 1834.
KOMARKOVA, V.	USA (Colorado) 1971.
KORNAS, J.	Poland 1950.
KORNICK, F. A.	(ex hort. Berlin).
KOTSCKY, K. G. T.	Persia 1842.
KOUBA	India.
KOVATS von SZENTLELER, J.	Transylvania 1843.
KRABLER, P.	Germany.
* KRITSCHIMAR, C. F.	Germany 1842.
KROGH, L. O. von	ex Norway (Oslo) 1907.
* KUGEL, F.	France 1839.
KUGLER, E.	Flora A1logviae 1882, Tirol 1872.
KUKENTHAL, G.	France 1896.
KURZ, w. s.	India 1867.
* KUTZING, F. T.	Germany, c. 1860.
LABILLARDIÈRE, J. J. H. de	S. Africa, Australian 1790 (ex herb. Webb).
* LAGGER, F. J.	Austrian Empire.
LAMB, F. H.	USA (California) 1896.
LAMBERTYE, L. de	France 1839-41.
LANE, Mr. -	India (Calcutta) 1900.

* LANGE, J. M. C.	Denmark 1869.	
LANNES	France 1854.	
LAPRINUS	Senegal.	
LARJOMAA, E.	Finland 1935.	
* LASCH, W. G.	Germany (Driesen).	
LASSUS, A. de	France 1860.	
LAW, J. S.	India, Malabar (see Stocks).	
LAWRENCE, G. H. M.	Portugal 1951.	
LECHLER, W.	N. America 1839.	
LECOQ, H.		1849
LEE, SUSAN	USA (Arizona) 1957.	
LEGRAND, A.	France 1886-91.	
LEGRAND, G.	France 1892.	
LEHANN, C. G.	Germany 1935-38.	
LEMAN, C.	Madeira.	
LENGYEL, G.	Hungary 1906.	
LEO, Dr. (of Metz)	France.	
LEPINOIS, de	Amboise 1846.	
LERESCHE, L.	Switzerland 1837-42.	
LERIOT, G.	France 1898.	
LETOURNEUX, A. H.	France 1852.	
LEVE	France 1819.	
LEYBOLD, F .	Tirol.	
LID, J.	Norway 1911 (100 spec.).	
LINDBERG, P. H.	Finland 1943.	
LINDHEIMER, F. J.	USA (Texas) 1843.	
LINDLEY	USA (Texas).	
LINTON, E. F .	(ex herb.)	
LITTON, S.	(ex herb.)	
LIVINGSTON, ENID	USA (California) 1969.	
LOMAX, A. E.	France 1891.	
LONG, B.	USA (N. Jersey) 1930, Canada (Nova Scotia) 1921.	
LOPPRITZ		
* LOWNE, B. T.	Syria 1863-64.	
LTOHIZKA	Tibet 1865.	
LUDERWALDT, A.	Germany 1906,	

LUNA, F. E.	Argentina 1947.
LUNDBERG, Mrs.	Canada (Labrador).
LUNDQUIST, P. F.	Sweden 1868.
LUNELL, J.	USA (Dakota) 1906.
LYALL, Dr. D.	USA (Oregon) 1860.
LYNGE, B. A.	Ellesmereland, N. America 1898- 1902.
MACARTNEY	USA (California).
* MACDONALD	Greenland, c. 1850?
MACLAREN	Canada 1851.
MACLAREN, J.	Rhodesia 1881.
MACLEOD, B.	USA (Colorado) 1971.
MACLEOD, MARIA	USA (Colorado) 1971.
MACOWAN, P.	S. Africa (1861-99).
* MACREIGHT, D. C.	Alps, Pyrenees 1830.
MADALSKI, J. J.	Poland 1939.
MAIDEN, J. H.	Australia (189 -1925).
MAILLARD, P. N.	France 1854.
MALINVAUD, E. J. E.	France 1862.
MALLIE, S.	India (Calcutta) 1904.
MALVAREZ, M. R.	Argentina 1948.
MANNER, M.	Finland 1966.
MANNING, W. H.	USA 1894.
MARCHAL, E.	Belgium 1864.
MARR, J. W.	USA (Colorado) 1964.
MARSSON, Th. F.	Germany.
MARTELLI, U.	Italy 1890.
MARTIN, O.	France 1852.
MARTINIS, A.	Belgium 1863-67,
MARTIUS, J.	Portugal 1969.
MARTRIN, D. V. Comte de	France 1853.
MASSON, F.	S. Africa.
MATHERAN	India 1891.
MATHIEU, A.	France 1852.
MAUGHAN, R.	Alps 1815.
MAUNSELL, Dr.	Jamaica 1904.
MAYER, C?	Silesia.

MAYR, G. L.	Austria.
MAZZEO, P. M.	(ex hort. USA N. Carolina) 1973.
McARDLE, D.	(ex hort. Ireland, Glasnevin).
McBRIDE, B.	(ex hort. Ireland, Glasnevin).
McCLINTOCK, D.	Madeira 1974.
McCLINTOCK, E. M.	USA (California) 1967.
McCLINTOCK, Mr .	Canada (Demerara) c. 1911.
McDONALD, F. E.	USA 1904.
* McLAREN, W.	Arctic.
McLAUGHLIN, NUALA	(ex hort. Ireland, Glasnevin 1976).
* McNAB, G.	Jamaica 1833.
* McNAB, J.	N. America 1834.
* McNAB, Miss C.	Switzerland.
* McNAB, WILLIAM	(ex hort. Kew, Edinburgh, Liverpool; c. 1810).
McNAB, WILLIAM RAMSAY	(ex. herb & ex hort. Ireland, Glasnevin).
MEADON, E.	France 1892.
MEARNS, E. A.	USA (Yellowstone) 1902.
* MEISNER, C. F.	Switzerland.
MELLS. J. de	India (Calcutta) 1897.
MENAGER, R.	France 1893.
MENARD, J.	USA (N. York) 1839.
MERCHOUD	Switzerland 1888.
METCALF, F. P.	USA 1921.
METZ, L.	France.
MEYER, F. G.	(ex hort. USA, N. Carolina) 1973
MEYER, T.	Argentina 1947.
MILBER, J. M.	Sweden 1938.
MILES, C. B.	USA (Arizona) 1957.
MILL, J. S.	France (Valais).
MITTEN, W.	1847
MINA	ex Todaro?
MOENSZ, C. de	Hungary 1906.
MOIR, W. H.	USA (Colorado) 1960.
MOKIM, S.	Burma, India 1901-03.
MO'ONEY, J.	USA (Washington) 1914.
MOORE, D. M.	Switzerland 1866, Norway 1863.

MOREL, I.	Argentina 1949.
MORI, A.	Italy 1891.
MORIS, G. G.	Sardinia
MORLEY, B. D.	Jamaica 1973. (ex hort. Ireland, Glasnevin 1970-75).
MORRISON, M. E. S.	USA (New Hampshire) 1959.
MORTENSEN, H.	Denmark 1866.
MOSELEY, H. N.	CHALLENGER exped.
MOTELAY, L.	France 1901.
MOUILLEF ARINE, A. E. E.	France 1903.
MOUTER, J. E.	Argentina 1947.
* MUELLER, F. von	Australia 1877.
MULLER	Egypt.
MULLER, B. L.	Argentina 1947.
MULLER, M. F .	Austria 1881.
MULLER, U. I.	Sardinia 1827.
* MUNBY, G.	Algeria 1851-56.
MURRAY, Rev. D. P.	S. Africa 1925-30 ( + 2,000 sheets).
MURRAY, R. P.	Canary Is. 1890.
NAEGELI, C. W. von	Alps 1837.
* NAGEL, C.	Europe 1839.
NASH, G. V.	USA (Florida) 1895.
NATION, W.	Peru 1862.
* NEILL, P.	(ex. hart. Edinburgh 1805).
NELSON, E. C.	W. Australia 1971-75 (Proteaceae - especially Adenanthos - see Nelson 1978).
NEYRAUT, E. J.	France 1902.
NICIOL	France 1899.
NICOLOV, J.	Macedonia 1917.
NIELSEN, P.	Denmark 1870.
NIINIMAKI, V.	Finland 1936.
NIVEN, J.	S. Africa 18 .
NOE	Dalmatia.
NOIDEKE	Goslar.
NOOCKOW, C. M.	India 1890.
NORDSTROM, A.	Finland 1961-69.
NOWAK, J.	Poland 1952.
NUSKER, J. D.	India 1902.

NYARADY, E. G.	Hungary.
OAKES, WILLIAM	USA (Mass.).
O'BRIEN, M.	Switzerland 1901 (100 spec.).
O'DONELL, C. H.	Argentina 1945.
OGDEN, J.	Scandinavia 1965.
O'LEARY, M.	Denmark 1936.
* OLLSSON, P?,	?
O'NEILL, C. M.	Norway 1951.
O'SHANESSEY, S.	Australia (Queensland) 1869.
OSTENFELD, C. E. H.	W. Australia 1914 (670 spec.). Incl. Sargent, Dorph-Petersen, Davies specs.
* OTTO	Germany (Berlin) 1834.
OVER W. H.	USA (S. Dakota) 1924.
OXANON, C. L.	France.
PAILLOT, J.	France 1850.
PAILLOUX	France 1830.
PAJOWSKA, S.	Poland 1952.
PALACOIS, M.	Argentina 1950.
PAMMEL, L. H.	USA (Missouri) 1886.
PANCHER J. A. I.	Tahiti 1854.
* PANEROSSAZ, L.	Europe.
PAPPE, K. W. L.	S. Africa.
PARKER C.	N. America 1825.
PARKES, Miss H.	Norway 1950.
* PATERSON, Dr.	(ex hort. Scotland),
PATON, J.	W. Australia 1910.-
* PATTERSON, Col.	Australia.
PATZELT, J. E.	Czechoslovakia 1849.
PAUL, M.	Pyrenees 1814.
PAULET, J.	France 1868.
PAULSEN	Iceland.
PAVILLON, H. du	Switzerland 1851.
PAYSON, E. B.	USA (Wyoming) 1922.
PAYSON, L. B.	USA (Wyoming) 1922.
PEASE, A. S.	Canada 1925.
PEDRO, G.	Portugal 1943.
PEGLER, ALICE	Kentani 1911.

PEHL	Switzerland.
PELIT, J.	France 1832.
PENCHINAT	Pyrenees 1850.
PENZIG O.	Liguria. Appenines.
* PERCY J.	France 1837.
PERRING, F. B.	France 1964.
PERROTTET, G. S.	India (Nilgiri Rills) Senegal. St. Helena.
PETER, R.	USA (Kentucky).
PETIT, Dr.	Denmark.
PETTER, Fr.	Dalmatia.
PICHLER, Th.	Tirol 1875.
* PICKERING, C.	N. America 1834.
PIPER, C. V.	USA 1902.
PITTONI, E. di	Carinthia 1863.
PONS, Dr.	France 1892.
PORCHER, E. P .	USA (S. Carolina).
PORTA	Tirol 1863.
POTAHIN, G. N.	China 1845.
POUND, R.	USA (Nebraska) 1892.
PRAEGER, R. LI.	Norway. Sweden, 1925; Madeira, Canary Is.
PRAIN, Major D.	India (Sikkim) 1891-1903.
PRAIRIAL	Alps 1818.
PRATT, A. E.	China (West Szechuan) Tibetan frontier 1890.
PRAUSE, K.	Bayr-A1ps 1871.
PREISCOUT	Germany 184l
PREISS, J. A. L.	W. Australia 1839 (including anomalous numbers-see McGillivray 1975. Nelson 1978).
PRENDERGAST, Miss N.	Norway 1952.
PRESCOT, J. D.	Altai 1828.
PRIOR, R. C. A. (olim Alexander, R. C.)	Austria 1842, France 1844-45.
PRITZEL, E.	W. Australia 1901 (300 spec.).
PROCTOR, G. R.	Jamaica 1974.
PROST, M.	France 1848.
PUOLANNE, M.	Finland 1932.
PYE, Mrs. D.	Lapland 1955.
QUESTIER, -	France 1857.



QUIN, KEVIN	'Hortus Gramineus Glasnevinensis 1825'. (This contains specimens collected in France c. 1795, and probably was assembled between 1800 and 1808. There is no evidence that Quin collected any of the specimens).
* RAEBORNE, -	Greenland, c. 1860?
RAENITZ, C.	Germany 1868.
RAINHA, B. V.	Portugal 1928-62.
RAMBO, R.	Argentina 1949-50.
RAMOND	Spain.
RASTERN, Baron	Switzerland 1862.
RATHBORNE, H. B.	Norway 1901 (56 spec.).
RAVIL, L.	Switzerland.
READE, R. W.	S. Africa.
REALES, AI.	Argentina 1948.
* REED, E. C.	Chile 1867-71.
REHSTEINER, Pastor, F. C.	Switzerland 1848.
REICHENBACH, J.	Saxony 1849.
REINECK, E. M.	Brazil 1893-98, Europe (229 spec.).
REITZ, P. R.	Brazil 1947.
REQUIEN	France 1836.
RESPAUD	France 1889.
REUSS	Switzerland 1836.
RHOMOO	Sikkim 1911.
RIBU	Sikkim 1911 (with Rhomoo).
RICHARD	S. Africa 1948.
RICHARDSON, Dr.	Arctic (Franklin's 2nd exped.).
RICHTER, Dr. K.	Istria 1890.
RIPLEY, W. S. Jr.	USA (Mass.) 1918.
RISSO, J. L.	Argentina 1946.
* RITCHIE, Dr.	Belgium.
RITCHIE, Lr. D.	India.
RIVES	France 1892.
ROBB	France 1836.
ROBIN, P.	France 1887.
ROEMER, R. B. de	-
ROGERS, C. G.	India 1891.
ROIKELAND, A.	Norway 1905.
ROJAS, T.	Argentina 1932.

ROSER	S. Africa.	
ROSKY	Carinthia 1885.	
ROSS, H.	Italy 1884-1903.	
ROSSE, Earl of (6th)	(ex hort. Birr, Ireland, c. 1970-1975).	
ROSSELAND, V.	Norway 1930.	
ROSSET-BOULON, L.	France 1899.	
* ROSTAN, E.	Piedmont 1860.	
ROTGES, R.	France 1899.	
ROTH, J. R.	Switzerland 1829, Bavaria 1839.	
ROTHSCHILD, N. C.	(ex hort. England 1924).	
ROUSSEL	France 1821,	
ROUX, N.	France 1863.	
ROXBURGH	S. Africa.	
RUGEL, F.	USA (Carolina) 1841.	
RUTH, A.	USA (Texas) 1925.	
* RUTHFORD, Dr. D.		1820
SAGOT, P.		1852
SALEGY	(ex herb.).	
SALMON, C. E.	Pyrenees.	
SAMADEN		1870
SANDER	Tirol 1866,	
SANDERSON, J.	Natal.	
SARGENT, O. H.	W. Australia 1914 (ex herb. Ostenfeld).	
SAS, B.	Argentina 1949.	
SAUGUIN		1858
SAUNDER, F. R.	Kenya (Mt. Kilimanjaro) 1931-2.	
SAUNDERSON, Lady R.	Europe (111 spec) 1897.	
SAUTER, F.	Tirol 18.	
SAUZE, P.	France 1854.	
SAVI, P.	Tuscany 1860.	
SCANNELL, Miss M. J. P.	Italy 1950-54, France (Brittany), Spain.	
SCHALLERT, P. O.	USA (Arizona, California) 1957.	
SCHAUER	Lissa 1836.	
SCHEPPING, C.	(ex hort. Berlin 1886).	
* SCHIFFER, I. I.	Hungary.	
* SCHIMPER, G. H. W.	Egypt, Abyssinia 1835-37, Algeria.	

	SCHLEICHER, J. C.	Switzerland 1851.
	SCHLICKURN	Germany 1867.
*	SCHLOTTMANN	Switzerland 1849.
*	SCHMIDT, F. K.	Switzerland.
	SCHOLPER, Dr.	Croatia
	SCHOUGER	Tirol
	SCHULTES, R. E.	Puerto Rico 1972.
	SCHULTZ, L.	Asturia 1835.
	SCHUMANN, J.	Germany.
	SCHWARZ, G. J.	Argentina 1946.
	SCHWEINFURTH, G.	–
	SCHWEIZER, T. J.	France 1853.
	SCHWINDT, E.	Puerto Rico, Argentina 1948.
	SCORTECHINI, Rev. B.	Malaya (Perak).
	SEALY, W.	Switzerland 1818.
	SEEMAN, A.	Switzerland 1823.
	SEGERMAN, U. B.	Finland 1939.
	SENNEN, Dr.	France 1896.
	SERGEZ, Y.	Germany 1946.
*	SERINGE, N. C.	Alps 1836.
	SERIVEN, G.	Borneo c. 1900.
*	SHANKLEY, Mr.	(ex hort. Scotland c. 1830).
	SHORT, T. K.	Switzerland 1839,
*	SHUTTLEWORTH, R. J.	Switzerland 1834-35.
	SIAZ, C.	Switzerland 1837.
	SIEBER, F. W.	Alps (Dauphine) 1829.
	SIK, P.	India 1890.
	SILVA, M. .	Portugal 1958.
	SIMON, E.	France 1897.
	SINNOTT, E. W.	USA (Mass.) 1907.
	SINTENIS, P. E. E.	Asia Minor 1902.
*	SINZ, C.	Switzerland c. 1830.
*	SMITH, J.	Rio Negro 1860.
	SMITH, J. E.	S. Europe; Madeira.
	SMITH, J. G.	USA (Nebraska) 1892.
	SMITH, L. B.	USA (Mass.) 1928.

* SMITH, ROBERT		1816
SMOQUINA, A.	Hungary 1903.	
SNID		1892
SNOW, Prof. J.	USA (Kansas).	
* SONDER, O. W.	Berlin 1837.	
SOTA, A. V. de la	Argentina 1948.	
* SPITZEL	Germany 1849.	
SPRUNER	–	
ST. ETTIENNE, H. J.	Spain. 1894-95.	
ST. JOHN, P. R. H.	Australia (Victoria) 1913.	
STACHINO, M. S.	Argentina 1949.	
STASZKIEWICZ, J.	Poland 1953.	
STEARNS, F. L.	USA (Michigan) 1920.	
STEFANOFF, B.	Bulgaria 1922,	
STEFFERT	Belgium 1863.	
STEINER	Tirol 1863.	
STENROOS, K. E.	Finland 1892.	
STEPHAU, C.	Germany 1860 (500 spec.).	
STEPHENSON	Australia 1844-46.	
STERN, W.	Germany.	
STEW ARD, K.	USA (Florida) 1975.	
STEW ARD?, A. N.	USA (Mass.) 1928.	
STOCKS, J. E.	India.	
STOJANOFF, N.	Bulgaria 1912.	
STOLICZKA, Dr.	Himalaya.	
STONE, M. H.	(ex hort. incl. ex Panama 1972).	
STOPPE	Switzerland.	
STRABLZ, P. G.	Syracuse 1874.	
STRACHEY, R.	India (Kumaon).	
SUKSDORF, W. H.	USA 1906.	
SULLIV AN	Falkland Is. 1838.	
SULLIV AN, H. N.	Siberia.	
SUPDRIEUX, M. E. le	France.	
SVENDSEN, Fr.	Denmark 1883.	
SVENSON, H. K.	USA (Mass.) 1928.	
SYNNOTT, D. M.	France 1977.	

SZCZEPANEK, K.	Poland 1953.	
TACIK, T.	Poland 1951.	
TAGGART, J.	Greenland 1963.	
TALBOT DE MALAHIDE, Lord	(ex hort. Malahide, Ireland).	
TALBOT, W. A.	India 1892.	
TAPPIENZ	Austria.	
TAYLOR, B.	USA (Colorado) 1964.	
TAYLOR, G. W.	France 1845.	
TAYLOR, Miss	Europe (? Ireland only).	
TAYLOR, Mrs. G. de C.	Uganda (80 spec.).	
TELES, A. N.	Portugal 1958-61.	
TERRIBILE, M.	Argentina 1946.	
THAISZ, L. de	Hungary 1899.	
THEVENEAU	France 1858.	
THIELENS, A.		1861
THISLETON-DYER, W.	Europe 1870.	
THOM, E. (? Thorn)	Switzerland.	
THOMAS	Corsica.	
THOMPSON, G.	India.	
THOMPSON, H. S.	France 1907 (125 spec.).	
THOMPSON, T.	France 1839.	
THURY de		1819
TICKERMAN, E. Jr.	USA (Boston).	
TIVANT (?aut)	Luxembourg.	
TODARO, A.	Europe.	
TOMMASINI, M. de	Austria 1865.	
TORREY, J.	USA (N. Jersey, California; Fremont's Exped, 1845-47).	
TOUSSAINT, Abbe	France 1899.	
* TOWNSEND, C. N.	(ex hort. 1888).	
TOWNSHEND, C. W.	W. Australia.	
TRINKHEIM		1873
TUEZKIEWICA, D.	France 1859.	
TYACKE, N.	Tuscany 1835.	
UILE, J. S.	Sicily.	
UMBACH, L. M.	USA 1898.	
UNDERWOOD, J.	ex. Hort, Glasnevin, c. 1830.	

VANDENBORN, FI.	France 1860, Belgium 1867.
VEGA, E.	Argentina 1948.
VENZO	Italy 1860 (Fl. Bellunensis).
VERREAUX, J.	S. Africa 1831, Tasmania 1847.
VILPA, E.	Finland 1953.
VRATISL	Chile.
WAGHORNE, Rev. A. C.	Canada (Labrador, New Foundland) 1893.
WAGNER, J.	Hungary 1901.
WALKER, E. P.	Canada (Br. Columbia) 1918,
WALLICH, Dr.	S. Africa 1842.
* WARD, N. B.	(ex hort. England).
WARIVEY, A.	France 1872.
WARNECKE	Togo.
WARNSTORF, J.	Germany, 1906.
WATSON, G.	USA (Philadelphia) 1841-42.
WATSON, H. C.	Portugal 1848-49.
WATT, G.	India 1895.
WATT, Miss S.	Kenya (Kilimanjaro) 1929.
WAYERR, KUNTZE	S. Africa.
WEATHERBY, C. A.	Canada (New Brunswick) 1927.
WEATHERRY, U. F.	Canada (New Brunswick) 1927.
WEBB, -	W. Australia (19th c.).
WEBB, D. A.	Spain 1948.
WEBB, P. B.	Spain (Sierra Nevada) 1838:
WEBBER. H. J.	USA (Nebraska) 1889. 66
WEBER, F.	Czechoslovakia 1935
WEIGAND, K.	USA 1919.
WEIGELT	Surinam 1837.
WEIHE	Germany.
WELDEN, F. L.	Carinthia 1849.
WELWITSCH, F. M. J.	Portugal 1839.
WENCK	Schlesien 1840.
WHITE, J. W.	France 1909.
WHITEFOORD, C.	Jamaica 1973.
* WHITLOW, CHARLES	N. America 1815.
WHITMEE, Rev. S. J.	Samoa 1876.

WICKBOM, J. A. O.	Norway 1870.	
WIDERSPACH, F. von		
WIEGAND, K. M.	Canada (Newfoundland) 1925.	
WIEST, A.	Egypt 1835.	
WILFORD, C.	Korea 1859.	
WILKINSON, E.	USA 1888.	
WILLIAMS, E. F .	USA 1906.	
WILLIAMSON, J.	S. Africa.	
WILLKOMM, M.		1850
WILSON, ? Jr.		1836
WILSON, E. H.	China (W. Hupeh) 1900-01 (1,100 spec.).	
WINCH	Switzerland.	
WINK	–	
WINN, Th. Y.	Canary Is. 1903.	
WINTERBOTTOM, J. E.	India (Kumaon).	
WIRTGEN, Dr.	Germany 1865.	
WISNIEWSKI, Z.	Poland 1952.	
WOOD, I. B.		1841
WOOD, W. A.	Jamaica 1899.	
WOODROW, G. M.	India (W. Ghats) 1896-98.	
WOODS, J.	S. Europe,	
WYND, F. L.	USA (Oregon) 1923.	
YOUNGHUSBAND, F. E.	Tibetan Frontier Commission 1903.	
ZETTERSTEDT, J. E.	Norway 1870.	
ZEYHER, C.	S. Africa. Silicia.	
ZMUDA, A.	Poland 1912.	