

# **THE HERBARIUM OF THE NATIONAL MUSEUM AND GALLERIES OF NORTHERN IRELAND.**

The Ulster Museum.  
(BEL)

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## 1. HOW THIS DOCUMENT IS ARRANGED

This document summarises the history of the herbarium and then gives a more detailed account of the following sections within it:

- Algae
- Fungi
- Myxomycetes
- Lichens.
- Bryophyta
- Pteridophyta
- Gymnosperms.
- Angiosperms
- Photographs
- Timbers; seeds and fruits etc; economic botany collections
- Historic manuscripts and old books

For each of these main sections a list of the main contributors to that section of the collections is given, with relevant biographical detail, but a fuller list, in alphabetic order and with fuller biographical details (where known) is given of collectors at the end of the document under section **17. Consolidated Alphabetic Index of Collectors.**

**N.B.** The accounts of each section are not structured in an identical fashion. That for the lichens is based on an unpublished survey of the lichen herbarium by Prof M.R.D. Seaward of the University of Bradford.

## 2. INTRODUCTION

The Ulster Museum Herbarium (**BEL**) is one of only three large herbaria in Ireland and the only national one in Northern Ireland. The Ulster Museum is a public institution to which the public has a right of access.

The sizes of other Irish herbaria have not been assessed with accuracy and they have not been completely catalogued. Recent figures for the sizes of the TCD and National Botanic Gardens herbaria are 200,000 and 500,000 respectively. The Ulster Museum collection is thought to be about 100,000 - however, this is probably an under-estimate.

## 3. A BRIEF SURVEY OF THE HISTORY OF THE ULSTER MUSEUM.

The institution now known as the Ulster Museum traces its origins to 1821 when eight men, Francis Archer, Dr James L. Drummond, James Grimshaw, George C. Hyndman, James MacAdam, William McClure, Robert Patterson and Robert Simms, founded the Belfast Natural History Society for the study of natural sciences. Two others soon joined them: Thomas Hincks and Edmond Getty. They brought together specimens of interest in many fields including: Botany, Zoology, Geology and Archaeology and formed a committee with one member responsible for each section, Dr James Lawson Drummond was responsible for the botanical specimens and until 1822 the society's meetings were held in Dr Drummond's house. Subsequently the members transferred their meetings and collections of specimens to

the Academical Institution and within a year they moved again to the Commercial Buildings in Waring Street where they rented two rooms. Their material continued to increase by collection, purchase and exchange, and the membership also increased. In 1829 a site in College Square North was leased and in 1830 the foundation stone of the new building was laid. The Belfast Museum of Natural History was opened to the public in 1833 on subscription. (The building, known now as the Old Museum, still stands and remains the property of the Society, although not a museum.) In 1842 the society adopted a new constitution and was renamed as The Belfast Natural History and Philosophical Society (BNHPS). One of the new trustees was William Thompson and in 1843 he became the President and donated his entire collection to the society.

The Belfast Naturalists' Field Club (BNFC) was formed in 1863 to cater for naturalists with a more practical interest in field studies, but the club was closely associated with the older BNHPS, sharing members in common and using the BNHPS Museum as its venue for indoor meetings until the 1970s. In 1869 the BNFC rearranged and re-catalogued the Museum's Collection and supplemented gaps with the club's own material. This work was carried out by William Gray, Hugh Robinson, Samuel Alexander Stewart, William Swanston and Joseph Wright.

A three-storey extension to the Museum was built and opened in 1880, and in 1888 the Belfast Naturalists' Field Club published *A Flora of the North-east of Ireland* written by S.A. Stewart and T.H. Corry. In 1891 Stewart was engaged as the Museum's Scientific Curator with responsibility for caring for the collections, including the herbarium, but excluding the birds and mammals. Some correspondence from his period as curator survives in the Ulster Museum herbarium archive. He retired in May 1907 and donated his own herbarium and fossil collections to the Museum (*J. Bot.* **45**: 416, 1907). He died in a street accident in 1910. In the same year the museum's collections were formally handed over to the Belfast Town Council.

The Belfast Free Public Library in Royal Avenue had been opened in 1888. In 1890 it became the Belfast Free Public Library, Art Gallery and Museum. In 1905 the Art Gallery and Museum, which until then had been a sub-department of the library became a department in its own right and in 1910 it acquired ownership of the collections of the BNHPS. It was clear that a new site was required for the combined collections, still, at this time, at two sites, one in Royal Avenue, the other in College Square North. In 1912 a new site was selected in the Botanic Gardens on the Stranmillis Road. Owing to the First World War the new municipal Museum and Art Gallery was not opened until 1929, and then only rather less than half of the planned building was constructed.

In 1961 the Belfast Museum & Art Gallery was transferred from Belfast Corporation to a Board of Trustees as a National Museum, financed by annual grants from the Northern Ireland Exchequer. A large purpose built 'extension' (more correctly a completion of the original 1920s project) was completed in 1969.

In 1968 the Ulster Museum herbarium collections were greatly enhanced by the donation of the herbarium of the Queen's University of Belfast, following the retirement of its curator, Mary Patricia H. Kertland 1901 -1991. Her handwriting is readily identified on many specimens. It is in the Queen's University Herbarium that the oldest plant specimens are to be found.

In 1995 the National Museums & Galleries of Northern Ireland was set up following the amalgamation of the Ulster Museum, the Ulster Folk & Transport Museum and the Ulster American Folk Park.



### **a. The Belfast Museum and Art Gallery Herbarium (BM&AG)**

This consisted of six principal collections:-

1. The Belfast Natural History and Philosophical Society herbarium (BNHPS) which includes specimens collected by William Thompson and S.A. Stewart and was housed in the Old Museum under the curation of S.A. Stewart. The labels on the specimens bear the name of the society. The collection came to the Belfast Museum and Art Gallery in 1910, the year of Stewart's death in a road traffic accident.

2. The Belfast Naturalists' Field Club (BNFC) formed an herbarium (the labels bear the club's name), which was also housed in the Old Museum under Stewart's care. This contains specimens collected by members of the BNFC of whom the most important are S.A. Stewart and R.Ll. Praeger, and also a large quantity of exchange material, mostly from Great Britain. This exchange material was mainly acquired via the Watson Botanical Exchange Club and the Botanical Exchange Club of the British Isles. Although theoretically duplicates, the large degree of total loss or destruction of herbaria in the British Isles (estimated for example at some 70% for the north-west of England) means that much of this material may now be unique. (See for example Wade 1979).

3. S.A. Stewart's own collection, not clearly distinguishable from the BNFC collection and having many replicates in common. Stewart had, in any case, donated this material to the Old Museum in 1907.

(These three collections were handed over to the care of Belfast Corporation in 1910, the year of Stewart's death. The BNHPS and the BNFC are still extant although only the BNFC is active in field Botany.)

4. The David Bigham Bradshaw collection - entirely of bryophytes. Acquired in 1944 after the collector's death. Bradshaw was a distinguished Irish amateur bryologist in his time. Apart from his own specimens, he acquired numerous specimens from other well-known contemporaries such as E.C. Wallace, D.A. Jones and H.N. Dixon, author of a valuable handbook on mosses. There are about 2,000 specimens in the collection.

5. The herbarium of the Rev Samuel Arthur Brenan (1837 - 1908).

6. The herbarium of Sylvanus Wear (1858 - 1920).

These last two collections are of considerable size. Wear was the author of a second supplement to Stewart & Corry's *Flora of the North-east of Ireland*.

From 1939 to 1941 some conservation work was carried out on some of the unmounted material, but the bulk of the material which had been acquired in 1910 as unmounted and unincorporated remained so until after 1968.

### **b. The Queen's University Belfast Herbarium (QUB)**

In 1967 the curator of the University's herbarium, Miss Kertland, retired and an agreement was made for the transfer of the herbarium to the Ulster Museum, with certain conditions laid down by the University about access, curation etc. (Appendix I)

On its receipt the QUB Herbarium was described as containing something of the order of 40,000 specimens, but it seems that this was an underestimate. It

contained a large and unquantified amount of unmounted (unconserved) and unincorporated material both recent and dating back to the turn of the century. There was no catalogue and no information on the history of acquisition of the component collections. The largest amount of unsorted, unmounted material, all bound up in anonymous brown paper parcels came from two large collections acquired in about 1919: the Waddell collection and Bailey collection. Most of this material has only recently been sorted and some remains to be conserved, mounted and incorporated along with the cataloguing process.

The Queen's University material contains most plant groups: myxomycetes, algae lichens, bryophytes, pteridophytes, conifers and flowering plants, but there are virtually no fungi, and the Museum Herbarium remains much undeveloped in this field.

The component collections that made up the Queen's University Herbarium are many. Of considerable importance in terms of the quality and quantity of the material are the collections of the Rev C.H. Waddell, whose collection was acquired in 1919 after his decease, and Charles Bailey of Manchester, acquired in 1918.

The history of The Queen's University herbarium is unclear. The oldest specimens appear to be a few by the Belfast botanist John Templeton (1766-1825), the next oldest seem to be Scottish specimens dating from the 1840s, perhaps acquired while George Dickie (1812 - 1882) was Professor of Natural Science at Queen's College. There are many collections whose precise origin and date of acquisition are unknown.

The herbarium in the organised form in which it was transferred to the Museum dates from the time of Professor Small in the 1920s. (His own small herbarium of vascular plants, mainly of Scottish provenance, was included). It was he who asked Miss M.P.H. Kertland to take on the roll of curator. Many of the specimens acquired from that time were collected by her or her students, colleagues, professional or amateur botanists with whom she was in regular contact in Ireland and Great Britain, such as Mr and Mrs R.D. Fitzgerald who contributed many bryophyte specimens in the 1950s and 1960s.

### **Collections acquired since 1968.**

Several significant collections, mostly vascular plants, have been acquired since 1968. The most important include:-

1. C.D. Chase Collection. c. 4,000 specimens, mostly European, dated 1920 - 1945. Acquired from Mr Peter Paice of Methodist College, Belfast in 1971 who had received them from Chase himself.
2. S.A. Bennett Collection. c. 2,000 specimens, acquired from Campbell College, Belfast in c.1972; mostly from Ireland, England and Wales. Bennett was a friend and colleague of Chase at Campbell College, Belfast.
3. W.J.C. Tomlinson Collection. A substantial collection estimated at c.1,500 specimens. Donated in December 1978 by the QUB Faculty of Agriculture, Newforge Lane, Queen's University. The specimens were collected around 1905 - 1910 and cover vascular plants from the north of Ireland and the south of England. Many of the Irish specimens were cited in the 2nd edition of the *Flora of the North-east of Ireland* (1938).
4. Ludwig Schenkel collection. About 700 specimens of supreme quality, all from the Austrian highlands in the 1930s. Schenkel was an Austrian Jew who fled his native land shortly before World War II and settled in Londonderry, where he was a

manufacturer of leather goods. His collection passed the War in company with his grand piano in a packing case in Copenhagen docks!

5. Northern Ireland Lake Survey (1988 - 1991). Vouchers for this survey total about 4,000 specimens. The most comprehensive collection of aquatic vascular plants in the entire herbarium.

6. Northern Ireland sub-littoral Survey. All marine algae, of high quality.

7. R.E. Parker herbarium of bryophytes and vascular plants, mostly from Great Britain, acquired 1990 - 91.

8. A.F.G. Fenton lichen collection, acquired 1996.

There have been other donations, exchanges and purchases, as well as collections made by the Ulster Museum curators over the years, notably Paul Hackney (*fl* 1969 onwards) vascular plants and bryophytes; R.K. Brinklow (*fl* 1972-74) lichens, Osborne Morton (*fl* 1969 onwards) mainly algae, and Catherine Tyrie (*fl*.1972 onwards) cultivated plants.

### **Geographical coverage**

Mainly Great Britain and Ireland (especially Northern Ireland), and Western Europe.

## **5. THE ORGANISATION AND ARRANGEMENT OF THE ULSTER MUSEUM'S HERBARIUM.**

The species are arranged, with some exceptions, in a systematic order of classification appropriate to the division, using where possible, the most up-to-date check-lists.

The main sections are:-

- Algae (including Cyanophyta - the Blue-green "algae")

  - British Isles

  - Elsewhere

- Fungi

- Myxomycetes

- Lichens

- Bryophyta

  - British Isles

  - Elsewhere

- Pteridophyta

- Gymnosperms.

- Angiosperms

  - Ireland

  - Great Britain

  - Elsewhere

  - Cultivated plants (mostly N. Ireland gardens)

- Timbers

- Other Economic Botany Collections

- Seeds and fruits etc

- Manuscripts and archives

- Rare Books

- Botanical Art

- Photographs and Transparencies

- Microscope slides

- Miscellaneous



**Documentation.**

The department is nearing the end of a programme to compile a computerised catalogue of the entire herbarium, which initially involved assigning a unique catalogue number to each specimen. The catalogue number usually takes the form of a letter or letters preceding a serial number, following the scheme (begun in c. 1967) shown in Table 1. The actual catalogue number has no meaning or significance other than as a unique identifier for the specimen or batch.

**Table 1 List of categories employed in the herbarium catalogue**

F	Algae (both marine and freshwater)
Ga	Bacteria (But Cyanobacteria are catalogued under F)
Gb	Myxomycetes
Gc	Fungi
Gd	Liverworts (Hepaticae)
Ge	Mosses (Musci)
Gf	Lichens
H	Vascular Plants (includes seeds, fruits, timber specimens)
S	Miscellaneous (manuscripts, personalia, artefacts etc)

## 6. ALGAE

The oldest botanical specimen in the Ulster Museum Herbarium is an alga: *Dumontia contorta* collected by John Templeton in 1798 (F208).

The algae are arranged in two sections: a British Isles section and a foreign section. In most cases they are stored dried on paper labelled with the Ulster Museum's label or stamped "Ulster Museum". There are also a number of albums, the most noteworthy being the five albums of William Thompson. Coralline species and other encrusting species are preserved dried on the stone on which they were found and stored in envelopes or specially made archival storage boxes; other specimens are preserved wet.

All the algal specimens (except the microscope slides) - freshwater, marine and foreign, including the Charophyte (now considered to be bacteria) - are now catalogued. The catalogue number is preceded by the letter "F", in some cases where there is more than one specimen on one sheet or encrusting on one stone they may bear only one number but distinguished by the letters "a", "b", "c" etc. However this practice has now been discontinued and each specimen is now given a separate number. These numbers and all the available information about the specimens are recorded on cards stored in the Herbarium in addition to the computerised catalogue. Where two or more species are mounted together, as "a", "b" or "c", they are stored under the "a" number and this is referred to on the documentation card. This information is now being transferred to the Museum's Collection Management System which is a computerised catalogue shortly to be transferred to the program MULTIMSY. There are over 11,300 algal specimens.

The species of the British Isles are arranged in an order of classification based mainly on South and Tittley's checklist (1986). This arrangement has, in some cases, been updated in accordance with more recent publications (e.g. Guiry 1997). (In many cases, however, nomenclature of the specimens has been updated only by placing the sheets in a renamed folder. The names of the specimens on the individual sheets have not been updated nor are the entries in the computer catalogue necessarily under an updated name.) South & Tittley (1986) exclude the foreign algae, which are arranged in separate cabinets following a comparable systematic order. Specimens in albums are kept as one unit, but each specimen catalogued separately. Old and important collections have been documented but are kept together each as a collection as their association together is considered important e.g. W.H. Harvey; M. Foslie; F.T. Kützing, some of these may contain isotype material. In these cases no attempt has been to update the nomenclature.

### **Geographic coverage**

The algal collections are predominantly of marine species and also cover a very wide geographic range, although the bulk of the material is from the British Isles. There are important exsiccatae from Ceylon, The Friendly Islands, Australia and Tasmania as well as the British Isles collected by William Henry Harvey (1811 - 1866).

### **The main algal collectors and their collections (Irish, British and foreign).**

The bulk of the British specimens were collected by a few collectors:- H. Hanna; C. Howson; J. Mahony; O. Morton; B. Picton; W. Sawers; W. Thompson and S. Wear. Major collectors, in either quality or quantity are noted in the alphabetical listing below with some notes about them and their collection including the source from which the Museum received the collection. (Other collectors who contributed few specimens are included in the Alphabetical List of Collectors at the end. Some determiners are also included. Some of the collections have some association and have been given a "Collection Number". These numbers are given in Table 2.

## Alphabetical list of algal collectors and collections

- Andrews, J.A** collection of almost 100 diatoms received by QUB in 1927 mounted on slides. Worldwide.
- Bennett, S.A.** (1868 – 1934) (Ireland & Great Britain)
- Brenan, S.A.** (Rev) (1837 – 1908) *fl* 1880s. Ex QUB; BNFC; BNHPS.  
Keen zoologist and botanist and published in the *Irish Naturalist*.  
Specimens sometimes on marriage certificate paper! Collection 18 includes his specimens and those of others. (See Morton, O.1980) (Ireland)
- Brown, Robert** (1773 – 1858) *fl* 1790s Collection 1. (Ireland)
- Brown, V.** *fl* 1970 ex Institute of Jamaica (Jamaica)
- Burrows, Elsie M.** (1913 – 1986) Determined many specimens for the Ulster Museum. (British Isles)
- Cocks, J.** (1787 – 1861) An exsiccata of 178 specimens of Rhodophyta, Chlorophyta and Phaeophyta. Collection 40. Algarum Fasciculi: or, A Collection of British Sea-weeds,... Printed and bound as a book Printed at the University Press, Dublin. Not all the individual species are detailed with collector and location, however it is reasonable to assume most if not all were collected by Cocks himself. Purchased 1991. (Great Britain)
- Connor, D.W.** *fl* 1980 onwards. One of the collectors in the Sublittoral Survey of Northern Ireland (Collection 30). (See Erwin *et al* 1990.) (Ireland)
- Drummond, James Lawson** (1783 – 1853) *fl* 1800s. Ex QUB. Specimens in Templeton: Collection1. (Ireland)
- Farnham, W.F.** *fl* 1973 onwards. Donated and determined specimens. (England, Wales & Ireland)
- Foslie, M.** (c.1880s-1890s) A collection: 'Algae Norvegicae' donated by QUB contains 15 specimens collected by Foslie. Collection 42. A further two specimens associated with this collection had been collected by H. Hanna.(Foreign)
- Greville, Robert Kaye** (1794-1866). Specimens in a large album numbered Collection 33. Dr Gavin Hardy of the University upon Tyne identified the writing in 1993: "a very high probability of the specimens... being from R.K. Greville". (England & Scotland)
- Gifford, I.** (c.1823 – 1891) *fl* 1848 – 1888. Collection 15 is a collection of 15 specimens extracted from Collection 11. (See Morton 1980). (England and Jersey)

- Guiry, M.D.** *fl*1960s onwards. Professor in UCG. Author of numerous books and papers. One of the collectors of specimens in Collection 29 in two sets (DB 1982-12 and 1983-8): Algae Marinae Hibernicae. (Ireland)
- Hanna, Henry** *fl*1890s. Ex QUB. Most of his specimens from the north of Ireland: Counties Donegal, Londonderry, Antrim and Down. "HH" written on the specimens by Kertland. Collection 36. (Ireland)
- Harvey, W.H.** (1811 – 1866). The Ulster Museum has a collection of over 800 of his specimens, some of which may be isotypes, foreign as well as local. These include three exsiccatae collected by Harvey from Australia, Tasmania, Ceylon and the Friendly Isles as well as specimens from South Africa, north America, Arctic Ocean and Ireland. It includes specimens collected by many others including: Ashmead, S., Hooker, J., Hooper, J, Grey, A., Blodgett, Congdon, C., Drummond, T., Boning, Hore, W.S. Gifford. The exsiccatae have been kept together in a series, their names, in general, not updated. (Collections: 7 and 10 some also in 11, 13). 50 specimens also in album Collection 39. (See Womersley, H.B.S. 1978; 1981a & b). (Ireland; South Africa; east coast of North America; Ceylon; Australia; Tasmania; Friendly Isles)
- Hincks, Hannah** (1798 – 1871). Corresponded with Harvey who named *Ectocarpus hincksiae* after her. Collected mainly at Ballycastle, Co Antrim. Mentioned in Gifford (1853).
- Holmes, Edward Morell** (1843 – 1930). Ex QUB. An exsiccata entitled Holmes, Algae Britannicae Rariores includes specimens collected by Holmes, E.M., George, E. and others (Collection 6). (See Kertland 1967b; Furley, D.D. 1989) (England)
- Howson, Christine M.** *fl*1980 onwards. Sublittoral Survey of Northern Ireland (Collection 30). (Ireland)
- Hyndman, George Crawford** (1796 – 1867). *fl* 1825 – 1840s. Ex QUB. Many specimens have not been signed or initialled by Hyndman but are believed to be his. (Ireland)
- Kertland, M.P.H.** (1901 – 1991) *fl*1950s – 1960s. Ex QUB. (See Kertland 1967). (Ireland)
- Kützing, Friedrich Traugott** (1808 – 1893). Ex QUB. The small collection No. 5 contains 38 specimens. (Foreign)
- Lett, Henry William** (Rev) (1836 – 1920). Ex QUB (Ireland)
- Lilly, A.D.** *fl* 1910 – 1919. Collection 21; purchased 1980 (DB 1980-45). Not all the specimens have localities (England).
- M'Calla, William** (c.1814 – 1849). *fl* 1840s. Ex QUB. Collection 43: Algae Hibernicae in two volumes (1845 and 1848) of 122 algal specimens and 2 lichens, not all necessarily collected by M'Calla, Volume 1 was previously owned by G. Robinson and presented to BEL in 1916, Volume 2 was purchased in 1931 from the Cathedral Book Store. He received the Royal Dublin Society Silver Medal for Volume 1 (Eager & Scannell 1978). Other specimens are to be found separately in the herbarium. (Morton 1980). (Ireland)
- Maggs, C.A.** *fl* 1980s -. Two sets of specimens were acquired in 1982 and 1983 collected by Maggs and Guiry Algae Marinae Hibernicae. (Collection 29. DB 1982-12 and DB 1983-8). She also donated other specimens including one

- isotype and some microscope slides. Determined a number of specimens in the herbarium. (Ireland, Great Britain & foreign)
- Mahony, James A.** *fl* 1856 – 1887. A collection of 123 specimens (Collection 28), mostly Mahony's, originally stored loosely in an album and remounted in 1982. There are some other specimens elsewhere in **BEL**. (Scotland & Ireland)
- Marshall, Edward Shearburn** (1858 – 1919). Ex QUB. (Ireland; England)
- Megaw, William Rutledge** (Rev) (1885 – 1953). Ex QUB. (Ireland; England)
- Moore, Jenny A.** *fl* 1970s -. Staff member, British Museum (Nat. Hist.). Specialised in the charophytes. Specimens in **BEL**. (See Moore 1986)(Ireland; Great Britain)
- Morton, O.** (1949 -) *fl* 1968 -. Collection 25 (DB 1981-60) is a selection of the best algal specimens made during 1969 and 1970 before joining the staff of **BEL**. Also specimens collected while employed in the Ulster Museum. (Ireland, mostly N. Ireland also Scotland & Wales)
- Picton, Bernard E.** Ulster Museum staff. Zoologist and Botanist. Many specimens collected by diving and as part of the Sublittoral Survey of Northern Ireland (Collection 30) (See Erwin *et al.* 1990). (Ireland)
- Rea, Margaret Williamson** (Miss) (1875 –?). *fl* 1915 Ex QUB. Member of QUB staff who worked on specimens now in **BEL**. She initiated the system of keeping specimens associated together as collections by giving them a 'Collection Number' (see. Morton 1977. (Ireland)
- Robbins, J.** *fl* 1885. Ex QUB. (Scilly)
- Sawers, William** *fl* 1850s. Collections 2 and 3 are ex QUB. Collection 27 (DB 1981-47) of 51 specimens is ex Williamson Art Gallery and Museum. One album, 'D.C. Campbell' (DB 1636) referred to as Collection 17 was donated to **BEL** by Nora Fisher McMillan in 1978 (F1495 - F1573). The specimens were collected in many cases by Sawers. There are two other albums of Sawers, one in Glasnevin (**DBN**) and the other at St Andrew's University. (See McMillan & Morton 1979). (Ireland)
- Stewart, Samuel Alexander** (1826 –1910) Ex BNHPS, QUB, **DBN**. (Ireland)
- Templeton, J.** (1766 – 1825) Specimens in Collection 1, originally detailed by M.W. Rea in 1916 are ex QUB. Other specimens (F1 - F48 & F278 - 289) were found in BM&AG collections and were added to Collection 1 in 1976. (Kertland 1966; 1967a; 1967b; Pilcher 1967; 1978b). (Ireland)
- Thompson, William** (1805 – 1852). Ex BNHPS. Collection 2. A large collection of five volumes and many other separately mounted algae. The fifth volume, of foreign algae, contains many specimens collected by Harvey (*q.v.*) (See Praeger 1949; Rea 1934; Morton 1980). (Ireland; foreign)
- Turner, Magdalene** (Miss) *fl* 1840s – 1880s. Collection 14 of 28 specimens found among Collection 11 and extracted to form this Collection. She sent specimens to Harvey and 18 of her specimens are specifically mentioned in Harvey's *Phycologia Britannica*, *Cladophora magadalenae* being named after her by Harvey. (Morton 1980) (Jersey)
- Waddell, Coslett Herbert** (Rev) (1858 – 1919). (Ireland; England)
- Walker, David.** *fl* 1857 – 1859. These specimens have not been studied. They are stored with The McClintock Collection. (Canadian Arctic islands and Greenland)

**Wear, Sylvanus** (1858 – 1920). Ex QUB. 273 algal specimens associated as Collection 12, mostly correctly determined by Wear himself; however 53 are determined only to generic level and six remain unidentified, a few were misidentified. The locality of most of the specimens is well recorded. (Morton 1977b). (Ireland)

**Wolfe-Murphy, Shaun** *fl* 1980s -. Specimens of Charophyta collected as part of Northern Ireland Lake Survey 1988-89. (N. Ireland)

**Table 2 Algal Collection Numbers.**

Margret Rea initiated the system of giving the QUB algal collections a ‘Collection Number’. This system has been continued for the other algal collections as a way of maintaining a record of their integrity. Details are available in folders kept in the herbarium.

<b>Coll. No.</b>	<b>Collector(s)</b>	<b>Title and or notes</b>
1	Templeton, J.	A collection of Templeton's specimens. Some came to the Ulster Museum via the BNHPS others via QUB (donated 1968). The 162 specimens include material by J. Drummond, R. Brown, Dr Scott and Mr Turner. (Kertland 1967a & b, Pilcher 1967, Morton 1978).
2	Hyndman, G.C and others	Dating from 1840 - 1846. Donated to the Ulster Museum 1968. See notes stored in the herbarium by Rea and by Morton. (Kertland 1967b).
3	Sawers, W.	(Kertland 1967b).
4	Unknown	Dates from 1840 –1846 (Kertland 1967b)
5	Kützing, F.T and others	Dated 1840 - 1850. Contains valuable specimens collected by Kützing. Ex QUB. (Kertland 1967b).
6	Holmes, E.M., Batters, E. and George, E.	Fascicles II - IX of <u>Algae Britannicae Rariores Exsiccatae</u> . Compiled by Holmes and Batters (Kertland 1967b). Includes collectors Holmes, George and Batters. A valuable collection of over 200 specimens (F6169 - F6392, also F101 and F7802). (Kertland 1967b).
7	Harvey, W.H.	Incomplete sets of Harvey's collections from Australia, Ceylon and the Friendly Isles. See also: Coll 10 and 11. (Kertland 1967b and Morton 1977a).
8	Hanna, H.	Noted as Coll. 8 in Kertland (1976b) but catalogued in the Ulster Museum as Collection 36 <i>q.v.</i>
9	Andrews, J.J.	A collection of diatoms mounted on slides donated to QUB in 1927. (Kertland 1967b).
10	Harvey, W.H. and others	140 specimens on 81 sheets, found in 1976 in envelopes of "E. & W. Pim, Tea & Coffee Dealers, Wine Merchants..." Mostly Harvey specimens from S. Africa, N. America, Australia & Tasmania, Arctic Ocean, Friendly Isles and Ceylon. Some are marked <u>Ex Herb. Collegii SS Trin., Dublin.</u> (Morton 1977a)
11	Many collectors	Large number of collectors. 199 specimens collected by

		M. Turner were separated out as Coll 14 and those by I. Gifford as Coll 15. World-wide collection.
12	Wear, S.	273 specimens on 201 sheets.
13	Several collectors	Large miscellaneous collection mounted in 2 albums, now remounted. From Ireland, England and Jersey. (Morton 1980).
14	Turner M.	28 specimens extracted from Collection 11. All from Jersey. 18 of these specimens are cited in Harvey's <i>Phycologia Britannica</i> . (Morton 1980).
15	Gifford, I.	A collection of 15 specimens on 8 sheets extracted from Coll. 11. From Somerset and Jersey. (Morton 1980).
16	Many collectors	<u>Algae Terrae Novae</u> . Two exchange collections from the Memorial University of Newfoundland (NFLD). Collected 1969 - 1968. DB1516; F652 - F766 (received 18 May 1976) and DB 1979-5; F2028- F2057 (received February 1979).(Newfoundland)
17	Sawers, W. and others	An album donated by Mrs Nora F. McMillan in 1978. Referred to as the <u>D.C. Campbell Album</u> . DB1636. Catalogue Nos F1495 - F1573.
18	Brenan, S.A. and others	Comprising some specimens from the main herbarium and others from a large labelled folder, and an album labelled <u>Rev S.A. Brenan Collection Algae</u> . There are other specimens in Collections 11 and 13. All British Isles. Catalogue Nos. F2475 - F2530.
19		An album of 12 specimens from the British Isles. Purchased for £12.50 from Emerald Isle Books, Belfast in 1980. DB1980-41. Catalogue nos. F2430 - F2441.
20	possibly E.H. Boning	An album of 44 specimens entitled <u>British Marine Algae Mounted and Arranged by Miss E.H. Boning Torquay</u> purchased 1980. DB1980-44. Catalogue Nos. F10021 - F10064.
21	Unknown	An album of 91 specimens purchased in 1980. Not all with locations, those which have a location are mostly from S. England DB 1980-45. Catalogue Nos. F9930 - F10020.
22	<i>Treasures of the Deep</i>	An album DB1981.53. Catalogue Nos. F2592 - F2638. Purchased 1981
23	Many collectors (Some J. Templeton)	Specimens extracted from an album entitled <u>Algae in which they had only been inserted, not firmly fixed</u> . Those which were without location have been left uncatalogued in a folder entitled "Coll No. 23". Some J. Templeton specimens were found in this album. Ireland.
24	H. Hanna and possibly others	Mostly Irish specimens. The main Hanna collection is <u>Collection 36 q.v.</u>
25	Morton, O.	This is a selection of the best of Morton's personal collection of dried and formalin specimens from Ireland, Wales, England, Scotland, S. France and Tanzania. The formalin specimens were given an individual number (e.g.72/6 - the 6th specimen collected in 1972) by OM



		before donation to the Ulster Museum. It includes some material from other collectors. Dated 1969 - 1975. 486 specimens were originally donated, however other specimens from this original collection were later added after further consideration. The original un-catalogued specimens from this old collection remain in the Museum. DB 1981-60. Catalogue Nos. F2720 - F3179; F3572 - F3597 and F7178. As stated above a few others from this collection may have been added later. (Morton 1974).
26		<u>Faeroes Seaweeds</u> 112 specimens in one of 10 exsiccatae purchased from the Polytechnic of North London for £100.00 on the 27.05.1981(DB 1981-59). Catalogue Nos F3195 - F3307. A survey of the marine algae sponsored by the NATO, the British Museum (Natural History) and the Carlsberg Foundation. This was the first large-scale investigation of the Faeroes seaweeds since Borgesen's work at the beginning of the century (Irvine 1982; Tittley <i>et al.</i> 1982).
27	Sawers, W.	DB1981-47. 28 specimens all northern Irish collected in the 1850s. Catalogue Nos. F3321 - F3348 and a further 23 uncatalogued specimens without details of location. In 1931 these were received by donation by the Williamson Art Gallery and Museum, Birkenhead from Miss Florence Bally and accessioned as <b>BIKGM</b> : 1816. The un-localised and un-catalogued specimens were kept apart in Folder <u>Collection 27</u> . In this folder all other information will be found including the correspondence with the Williamson Art Gallery and Museum.
28	Mahony, J.A. and some others	An album of 123 specimens labelled <u>Algae</u> . They are dated 1856 and mostly collected in Scotland with only a few from Ireland. As the specimens were only loosely attached they have been mounted and lodged in the main herbarium. Those which showed no details were not catalogued and are lodged in <u>Folder 28</u> . Catalogue Nos. F3349 - F3471. (Mahony 1880).
29	Maggs, C.A. and Guiry, M.D.	<u>Algae Marinae Hibernicae</u> Acquired in two sets in exchange and purchase in 1982 and 1983 Set 1: DB 982/12. F3514 - F3533 Set 2: DB1983-8. F4069 - F4088. All from Co's Mayo, Galway and Donegal.
30	Erwin, D.G & others	<u>Sublittoral Survey of Northern Ireland</u> A collection of 1153 specimens collected between 1982 and 1985 some from outside N. Ireland. Catalogue numbers: F3730 - F3892; F3902 - F3972; F3982 -

		F4051; F4267 - F4700; F4822 - F4998; F5000 - F5231; F5303 - F5308. F4036 - F4042 were purchased. (Erwin <i>et al.</i> 1990).
31	Many collectors	The B.M. [Nat. Hist.] <u>Mull Survey</u> . An exchange collection with <b>BM</b> . 43 specimens received 1978. DB1697, Catalogue Nos F1842 - F1895 and 50 specimens in 1984 DB1984 -5, Catalogue Nos F4116 - F4165.
32	Picton, B. and others	British Sub-aqua Club/ Marine Conservation Society <u>Sublittoral Survey of St Kilda</u> from 1st to 20 July 1984. Catalogue Nos: F5232 - F5258 and F7634. A copy of the report by Howson and Picton for The Nature Conservancy Council is available in <u>Folder 32</u> in the herbarium.
33	many collectors	DB1601 Catalogue Nos. F5332 - F5825 and F6153. Purchased from Sotheby's in 1977 for £80.00. Previous owner: John Colbeck of Didmarton, Gloucester. Specimens collected by over 30 persons including: Harvey, W. H.; Thompson, W.; McCalla, W.; Drummond J. L. between 1821 and 1869. At least 63 specimens are cited in Harvey's <i>Phycologia Britannica</i> , two are figured in <i>Phycologia Britannica</i> . One (F5494) is described as " <i>sp. nov.</i> " in Harvey.
34	Maggs, C.A.	DB1986-6. Catalogue Nos: F5265 - F5302. 38 Specimens collected between 1983 and 1985 and donated in 1986.
35	Maggs, C.A.	DB1989.1 Catalogue Nos: F5927 - F5931. Donated 6th January 1989 and F6576 donated six months later.
36	Hanna, H. and others	Donated by QUB in 1968. The "HH" on the specimens is not to be confused with Hanna Hincks (1798 - 1871). Some may have been collected by Hanna and determined by E.M. Holmes. Catalogue Nos. F2711 - F2719, other collections of Hanna are in Collections 8 and 10. Referred to as Collection 8 in Kertland (1967b)
37		<u>Northern Ireland Littoral Survey (NILS)</u> . A collection of encrusting algae and one lichen. DB1990.2. Catalogue Nos: F7859 - F7946 and F10696 - F11061.
38	Thompson, W. and others	5 Albums by William Thompson. Donated by BNHPS in 1911. DB1911-1457, catalogue nos: Vol. I. F7953 - F8151. Vol. II. F8152 - F8393; Vol. III. F8394 - F8579 + F10676; Vol. IV. F8580 - F8847; Vol. V. F8848 - F8937. The first four albums are of specimens from the British Isles, the fifth is of foreign specimens. A total of 985 specimens remain in their large Albums.
39	Many collectors	DB 1936.121. Catalogue Nos. F9752 - F9912. An album of 160 worldwide specimens. Received as a

		book 1936. On inside cover: " Ellen Duffin, With Susan Beaver's Love, Coniston Sept. 27.78". Includes specimens collected in Australia and determined by Harvey showing his exsiccata numbers. Although they were not signed by him his handwriting is easily recognisable.
40	Cocks, J.	<u>Algarum Fasciculi: or, a collection of British Sea-Weeds carefully dried and preserved, and correctly named.....</u> Dated 1825. DB1991-1. Catalogue nos. F8968 - F9145. 178 specimens. Purchased 6th March 1991 Cost £275.00.
41	unknown	<u>Marine Algae sub-class 1. Melanospermae. Olive seaweeds.</u> Album, made by an unknown collector, some specimens dated 1870 - 1886, but many undated. Catalogue nos. F10065 - F10268. Mostly from the south of England, many are undetailed.
42	Foslie, M	<u>Algae Norvegica</u> Donated by QUB 1968. Catalogue nos. F10319 - F10336.
43	Unkown	<u>Algae Hibernicae</u> Exsiccata. Vol.1. 1845 and Vol.2. 1848. Dublin: S.B. Oldham. Vol 1. Previously owned by G. Robinson, Presented by Rev G.R. Irwin; Library Accession No: 1916.16. Catalogue Nos. F10368 - F10442. Vol.2. Purchased from Cathedral Book Store 19.1.1931. Library Accession No 1931.4. Catalogue Nos. F10443 - F10492. Two lichens were stored along with the algae. Further specimens F10493 - F10501 were found loose in Vol. 1. In an envelope of the Belfast Public Art Gallery and Museum - undated.
-	Walker, D.	Collection by David Walker – part of a collection of Greenland and Canadian Arctic plants made on the voyage of the <u>Fox</u> 1857- 59.
-		DB1990-1. Specimens donated in 1990; very few with details.

## 7. FUNGI

The fungal collection is currently very small (c. 600 specimens) but contains some interesting material collected by Mrs Freda Adair over many years in Co Down from c.1973 onwards. Members of the recently-formed Northern Ireland Fungus Group are now donating good quality specimens with a view to building up a good representative collection of macrofungi. Principal collectors are Adair, F.; Mitchel, D.; Wright, M.; Kertland, M.P.H.

## 8. MYXOMYCETES

The Myxomycete (Mycetozoa) collection consists of about 450 specimens, the vast majority collected before 1939. Most are stored in pill boxes, glass-topped boxes or modern plastic equivalents.

About 47 specimens came from the former the Belfast Museum and Art Gallery herbarium and were nearly all collected by Arthur W. Stelfox and Mrs Margaret D. Stelfox in Co. Down about 1915 - 1917.

The remainder is from two donations:-

1. 1968 donation of the Queen's University of Belfast herbarium.
2. 1972 donation by Mr George M. Stelfox (son of Mr. & Mrs A.W. Stelfox) mostly of Mrs Stelfox's specimens.

The combined collection is probably the most comprehensive and important in Ireland, but very little material has been added since 1972.

### **Principal collectors of combined collection with dates of myxomycete collecting:**

Stelfox, A.W. c.1914 – 1925 (Ireland)

Stelfox, M.D. c.1914 – 1925 (Ireland)

Rea, M.W. c.1914 - 1938 (Ireland, England & Scotland) [*These last three collectors collaborated extensively*]

Gunn, W.F.c.1918 (Ireland)

Howard, H. J. c.1920) (England, especially Norfolk)

Many of the Stelfox/Mrs Stelfox/Rea specimens have been determined by G. Lister.

Other specimens were collected by Elliott, W.T. (England; 1920s), Cheesman, W.N. (England, Canada, Australia, New Zealand; c.1915) or have no collector's name.

## **9. LICHENS**

### **Introduction**

The lichens were first arranged by Richard K. Brinklow during 1972 - 1974. They are stored in envelopes or boxes arranged alphabetically by genus/species within the three sections described below. Over 4000 lichen specimens have been catalogued. A recent important collection was donated by Dr A.F.G. Fenton on the 18 January 1996 (batch catalogue no. Gf 4352). This collection was surveyed by Professor Mark Seaward in 1997, the names updated and the identification checked as far as was possible in the time available, following which a full catalogue of the individual packets was prepared.

As with the encrusting algae, there is often more than one lichen specimen per rock sample, in such cases some have been given separate catalogue numbers all written on the envelope. However, it is often general practice to give only a catalogue number to the most interesting species and record the others as "also found"; this means that a search for these other species cannot be made either on the computer or in the collection except by laborious work.

### **An account of the contents of the lichen herbarium by M.R.D. Seaward**

The lichen herbarium is organised into three sections: **Ireland; Great Britain** (incl. Channel Islands and Isle of Man); **Foreign**. Major collectors are indicated by means of an asterisk.

### **Ireland**

Circa 3900 packets from 25 vice-counties (H2-5, 9, 12, 13 16, 17, 20, 21, 25, 27-31, 33-40) with a preponderance of material from H38 and H39 and the following collectors are represented; the listing shows vice-county and year(s) of collection.

\***Brinklow, R.K.** H9 - 1974; H33 - 1973; H37 - 1973; H38 - 1972, 1974; H39 - 1972-74

**Burnet, A.M.** [1909-1986] H1 - 1977

\***Caldwell, S.A.G.** [1897-1989] H9 - 1961; H16 - 1961; H34 - 1962; H35 - 1962; H38 - 1961-66, 1968-69, 1971-72, 1974

**Carroll, I.** [1828-1880] *Lichenes Hibernici Exsiccati* (incomplete)

**Casey, C.** H39 - 1984

**Cooper, E.V.** [fl.1896-1908] H12 - 1908 (ex A.R. Horwood)

\***Coppins, A.M.** H33 - 1990

\***Coppins, B.J.** H38 - 1992; H39 - 1992

**Darragh, G.C.** H38 - 1991

**Donovan, P.** H9 - 1954; H13 - 1954; H20 - 1954

**Doughty, P.S.** H35 - 1968; H39 - 1967

\***Fenton, Alsager Fitzgerald** [1918-1996] H2 - n.d.; H23 - 1954; H33 - 1952; H36 - 1951-52; 37 - 1951-52; H38 - 1950-52; H39 - 1951-52, 1955; H40 - 1951-52 (See Fenton 1950)

**Fitzgerald, J.F.** [1908-1988] H28 - 1965

**Glover, J.** [1844-1925] H30 - 1911; H38 - 1909-11, 1913-14

**Hackney, C.R.** H38 - 1992

**Hackney, P.** H12 - 1972; H28 - 1975; H33 - 1975, 1988; H35 - 1990; H36 - 1993, 1995; H38 - 1976, 1995; H39 - 1996

**Hebden, T.** [1849-1931] H2 - 1913

**Hopton, J.** H39 - 1974

\***Hunter, Emilie I.** (Miss) H38 - 1950-51

\***Kertland, M.P.H.** [1901-1991] H29 - 1961; H38 - 1950, 1952-53, 1955, 1970; H39 - 1926, 1934, 1950, 1952, 1955, 1965; H40 - 1950

**Knowles, M.C.** [1864-1933] H20 - n.d.

\***Lett, H.W.** [1836-1920] H31 - n.d.; H37 - 1882, 1884-85; H38 - 1883-84, 1886, 1889, 1904; H39 - 1881, 1884

**Livens, H.M.** [1860-1946] H2 - 1912; H16 - 1912; H38 - 1913

**Livens, R.G.** [fl 1880-1914] H2 - 1912; H16 - 1912

**Magnusson, A.H.** [1885-1964] H9 - 1952; H16 - 1952

\***Maxwell, R.** H30 - 1990-91; H31 - 1991; H33 - 1990-91; H36 - 1990-92; H37 - 1990, 1992; H38 - 1990-91; H39 - 1990-91; H40 - 1990, 1992

**Meikle, R.D.** H33 - 1947; H38 - 1946

**Morrison, M.E.S.** [1933-c.1965] H36 - n.d.;

\***Morton, O.** H2 - 1968; H9 - 1967, 1969; H20 - 1967; H29 - 1969; H31 - 1969; H35 - 1967, 1992; H38 - 1967, 1971, 1974-75, 1984-89, 1991; H39 - 1967, 1972, 1987, 1991, 1993; H40 - 1984, 1994

**Nash, R.** H37 - 1970  
**Noble, K.** H38 - 1984  
**O'Dare, A.M.** - see Coppins, A.M.  
**\*Pilcher, B.E.** H33 - 1967, H36 - 1965-66; H38 - 1966-67; H39 - 1967-68; H40 - 1966  
**Pilcher, J.R.** H33 - 1967-68; H36 - 1966-68; H37 - 1968; H38 - 1967, 1972  
**Preston, J.** H33 - 1988  
**Rea, M.W.** [1875 - ?] H39 - 1913-14  
**Rutherford, J.** H37 - 1974  
**Scott, B.E.** - see Pilcher, B.E.  
**Seaward, M.R.D.** H13 - 1981; H27 - 1990; H28 - 1987; H38 - 1996; H39 - 1992  
**\*Simms, M.J.** H17 - 1990; H21 - 1990; H26 - 1990; H27 - 1990-91; H28 - 1991; H29 - 1991; H34 - 1990; H35 - 1991; H36 - 1997; H38 - 1997; H39 - 1997  
**de Smidt, J.Th.** H16 - 1962  
**Stelfox, A.W.** [1883-1972] H38 - 1914  
**Stewart, S.A.** [1826-1910] H2 - 1885; H39 - 1877-78  
**Swinscow, T.D.V.** [1917-1992] H2 - 1961; H3 - 1961; H16 - 1961; H39 - 1962  
**Templeton, J.** [1766 - 1825] unlocalized  
**Tyrie, C.M.** - see Hackney, C.R.  
**\*Waddell, C.H.** [1858-1919] H2 - 1885; H37 - 1889; H38 - 1883-84, 1889, 1901, 1907, 1909-16; H39 - 1889, 1892, 1909-10  
**Waddell, D.** H38 - 1916  
**Walsh, K.** H16 - 1954  
**West, W.** [1848-1914] H27 - 1911  
**White, J.M.** H37 - 1928-29, 1932  
**\*Woods, R.G.** H33 - 1988

### Great Britain

Material for this section comes from a wide variety of sources covering at least 65 vice-counties. (S, 1-11, 13, 15-17, 23, 29, 33, 34, 37, 39, 40, 45, 47-52, 55, 57, 59, 60, 62-67, 69-76, 83, 87-90, 92, 94-98, 100, 101, 105, 108, 109, 112). There are c.1580 packets in the section as well as (a) a single bound volume of 193 mounted lichens, each of which has been localised and dated, collected by E.F. Noel during the period 1914-1937 from at least 44 vice-counties (and a few foreign localities), and (b) 79 separately mounted specimens in an unbound volume, collected by a Mr Robson (possibly Thomas Robson 1779-1853), one bearing the date 1821 and a few with north of England localities.

**\*Brinklow, R.K.** 2 - 1972; 45 - 1972; 66 - 1973; 67 - 1973; 69 - 1974; 70 - 1974; 72 - 1973; 73 - 1973; 74 - 1973; 93 - 1974; 94 - 1974; 95 - 1974; 96 - 1974; 98 - 1973; 101 - 1973  
**Brinkman, A.H.** [1873-1945] 45 - 1906-07;  
**Caldwell, S.A.G** [1897-1989] 88 - 1962  
**Coppins, B.J.** 60 - 1976  
**Duncan, J.B.** [1869-1953] 37 - n.d.  
**Glover, J.** [1844-1925] 76 - 1915  
**Hackney, C.R.** 105 - 1990  
**\*Hackney, P.** 47 - 1970; 49 - 1967-68, 1970; 105 - 1990

**\*Hartley, J.W.** [1866-1939] 60 - 1908, 1911, 1914; 69 - 1908, 1910, 1913; 71 - 1908-09, 1912, 1914  
**Hawksworth, D.L.** 3 - 1973  
**\*Hebden, T.** [1849-1931] 62 - 1914; 63 - 1909, 1914-15  
**Hill, D.J.** 40 - 1967  
**Holmes, E.M.** [1843 - 1930] 3 - n.d.; 9 - 1904, 1908; 11 - 1907; 15 - 1908; 69 - 1910  
**\*Horwood, A.R.** [1879-1937] 17 - 1906; 55 - 1903-09, 1916; 88 - 1903  
**Hunter, J.** [fl 1900-1918] 88 - 1908-09  
**Kertland, M.P.H.** [1901-1991] 23 - n.d.; 94 - 1960  
**Larter, C.E.** [1847-1936] 4 - 1902, 1908 (ex herb. A.R. Horwood)  
**\*Leighton, W.** [1805-1889] *Lichenes Britannici Exsiccati* (incomplete)  
**\*Lillie, D.** [fl 1889-1924] 108 - 1912; 109 - 1904-06, 1908-09  
**\*Livens, H.M.** [1860-1946] 3 - 1914; 5 - 1908; 8 - 1909, 1917; 9 - 1910, 1917; 10 - 1907-08; 11 - 1911-14; 13 - 1910; 48 - 1911; 49 - 1912  
**\*Livens, R.G.** [fl 1880 - 1914] 3 - 1914; 8 - 1909-12; 10 - 1908; 11 - 1908, 1910-12, 1914; 13 - 1910; 48 - 1911-12; 49 - 1912  
**McAndrew, J.** [1836-1917] 83 - 1913  
**Menlove, J.E.** 70 - 1974  
**\*Noel, E.F.** [fl.1902 - 1950] Bound volume - see above  
**\*Parsons, H.F.** [1846-1913] 3 - 1868, 1909; 6 - 1868-69, 1877; 9 - 1887; 10 - 1910; 15 - 1911; 37 - 1910; 39 - 1909; 48 - 1883, 1908, 1910; 49 - 1908; 52 - 1907  
**Patterson, S.** 48 - 1907 (ex herb. A.R. Horwood)  
**\*Pilcher, B.E.** 40 - 1967; 48 - 1967  
**Pilcher, J.R.** 1 - 1966; 2 - 1966  
**Rayner, J.F.** [1854-1947] 10 - 1907  
**Reader, H.P.** [1850-1929] 34 - 1904, 1910; 55 - 1909  
**\*Rhodes, P.G.M.** [1855-1934] S (Sark, Guernsey, Jersey) - 1908-09; 23 - 1910; 29 - 1909; 48 - 1910; 49 - 1910; 66 - 1909  
**Robson, [T?]** [1779 - 1853] Unbound volume - see above  
**Scott, B.E.** - see Pilcher, B.E.  
**Seaward, M.R.D.** 4 - 1988; 49 - 1980; 57 - 1990; 64 - 1986, 1988; 74 - 1989  
**Simms, M.**  
**\*Skinner, J.F.** 2 - 1972; 3 - 1973; 4 - 1971-72; 45 - 1973; 65 - 1973; 66 - 1973-74; 67 - 1972-73; 70 - 1972; 101 - 1973  
**Stelfox, A.W.** [1883-1972] 96 - 1939  
**Tellam, R.V.** [1826-1908] 2 - n.d.  
**Travis, W.G.** [1877-1958] 50 - 1914; 51 - 1911; 59 - 1911, 1913; 97 - 1912; 98 - 1912; 100 - 1910  
**Tyrie, C.M.** - see Hackney, C.R.  
**Waddell, C.H.** [1858-1919] 69 - 1883, 1885, 1889  
**Wallace, E.C.** [1909-1986] 88 - 1940; 92 - 1939, 1941; 98 - 1940; 108 - 1939  
**\*Watson, W.** [1872-1960] 3 - 1912-13; 4 - 1913-14; 5 - 1908, 1912-15; 6 - 1908; 33 - 1915; 88 - 1913  
**Weiss, F.E.** [1865-1953] North Wales - 1911 (ex herb. H.M. Livens)  
**\*West, W.** [ 1848-1914] 1(Scilly) - 1903; 50 - 1912; 52 - 1891; 64 - 1888, 1903, 1907; 65 - 1881, 1910; 69 - 1886, 1907; 70 - 1910; 88 - 1889, 1908; 89 - 1889; 96 - 1907; 97 - 1907; 98 - 1910; 100 - 1910; 112 - 1911  
**\*Wheldon, J.A.** [1862-1924] 59 - 1905, 1907; 60 - 1910; 69 - 1909; 71 - 1909, 1914; 88 - 1905, 1910, 1913; 96 - 1908-09

**Whitton, M.E.** [fl 1903-1916] 55 - 1903  
**Wilkinson, W.H.** [fl.1893-1918] 1 - 1902, 1909; 3 - 1908; 9 - 1908; 15 - 1911  
**Wilson, A.**[1862-1949] 60 - 1910; 69 - 1909; 70 - 1910; 87 - 1912, 1914; 88 - 1905, 1910-11, 1913-14; 96- 1908-09, 1913

### **Foreign**

The Foreign section is composed of c.680 packets of material collected mainly from Finland, Sweden, Switzerland, Morocco, Kenya, Zambia and USA, but with a few packets from Canada, Jamaica, Puerto Rico, Norway, France, Majorca, Crete, Nigeria, Tanzania and New Zealand. (Some of the material from Kenya, Morocco and Zambia remains unidentified.) There are also c.65 specimens collected from the Baffin Bay and Bellot Strait areas during 1857-1859 by Dr David Walker, surgeon and naturalist aboard the steam-yacht 'Fox' and 20 sheets of lichens and bryophytes from Disco Island and Lowther Island collected by Francis Leopold McClintock during 1852-1854, both expeditions sent to ascertain the fate of Sir John Franklin and his missing expedition.

**Barbour, W.C.** [1877 - 1933] Pennsylvania, USA 1900  
**Baretta-Bekker, J.G.** Holland 1968  
**\*Brinklow, R.K.** Kenya 1973; Tanzania 1973; Morocco 1970; Norway 1969-70;  
**Brewster (Mrs)** ?Canada  
**Bronwer-v.d.Loo, H.J.** Holland, 1970  
**Clarke (Mrs)** Majorca 1974  
**Cooke, V.G.** Idaho, USA 1949  
**Cooke, W.B.** Idaho, USA 1949  
**Dalton, J.B.** New Zealand 1966  
**van Donkersgoed, N.** France 1972; Holland 1972  
**Fagersten, R.** Finland 1975, 1984  
**\*Fenton, A.F.G.** [1918-1996] Sweden 1951  
**Garside, S.** [1889-1961] Teneriffe 1910 (ex herb H.M. Livens)  
**\*Griffin, D.G.** Jamaica 1960s; Puerto Rico 1968; California, USA 1969; Colorado, USA 1968; Florida, USA 1967-68, 1970; Georgia, USA 1968; New Mexico, USA 1969; Texas, USA 1969; Tennessee, USA 1967-69; Washington, USA 1969  
**Hapasaari, M.** Finland 1975, 1984  
**Hasse, H.E.** [1836-1915] California, USA 1890, 1911-12  
**Kertland, M.P.H.** [1901-1991] Uganda 1963  
**Kruse, A.J.** Holland 1963  
**\*Livens, H.M.** [1860-1946] Crete 1916; Norway 1913  
**Livens, R.G.** [fl 1880 - 1914] Norway 1913  
**\*McClintock, F.L.** [1819-1907] Greenland & Arctic Canada 1852-54  
**\*Magnusson, A.H.** [1885-1964] Sweden 1912, 1916, 1918-19, 1924, 1926-28, 1933, 1936, 1942, 1945-46, 1949-52; *Lichenes Selecti Scandinavici Exsiccati* (incomplete)  
**Morrison, M.E.** [fl 1950-1958] Ontario, Canada 1958  
**Nannenga, E.T.** Belgium n.d.  
**Noel, F.** [fl.1902-1950] Bound volume - see above  
**Pos, R.** France 1972; Holland 1970  
**\*Rasanen, V.** [1888-1953] *Lichenotheca Fennica* (incomplete)  
**Rhodes, P.G.M.** [1855-1934] Switzerland 1912, 1914  
**Sampaio, G.A.da S.F.** [1865-1937] *Lichenes de Portugal* (incomplete)



**Simms, M.** Finland 1992  
**Sipman, H.J.M.** Holland 1972; Norway 1968  
**Skinner, J.** Norway 1969-70  
**Spencer, Patrick S.** S. Africa  
**de Smidt, J.Th.** France 1961; Holland 1951, 1958-59  
**Sundell, S.W.** [fl 1911-1965] Sweden 1949  
**\*Walker, D.** Arctic Canada 1957-59 - see above  
**Weiss, F.E.** [1865-1953] Labrador, Canada 1911 (ex herb. H.M. Livens)  
**West, W.** [1848-1914] Norway 1909

(Updated M.R.D.Seaward March 1999)

## **10. BRYOPHYTA (Mosses and Liverworts)**

The bryophyte collections are mainly represented by specimens from the British Isles, Western Europe and Scandinavia. There is a relatively poor representation from the west of Ulster compared to the east. They are stored dry in envelopes in drawers.

The current estimates of the numbers of specimens in the main bryophyte herbarium are: 8500 British & Irish Mosses; 4400 British & Irish Liverworts; 2000 foreign Mosses & Liverworts. To these must be added approx. 2000 or so specimens in the R. E. Parker bryophyte collection acquired in 1990. [These figures are very approximate.]

### **Catalogue**

All the bryophyte specimens are catalogued (numbers are prefixed Ge for Mosses and Gd for Liverworts), the majority having been catalogued during the period 1989 - 1996.

### **Arrangement.**

The collections are divided into British & Irish Mosses; British & Irish Liverworts; Foreign Mosses; Foreign Liverworts. The British & Irish Mosses and Liverworts are arranged systematically according to the British Bryological Society's current checklist (Blockeel & Long 1998). Foreign material is currently unsorted and is stored in approximately numerical order of catalogue number, pending decisions on a final arrangement.

### **Method of storage.**

The vast majority of specimens are kept in standard paper envelopes which are stored upright in drawers of standard design. Specimens from the Bradshaw collection and certain other collections are contained in smaller than normal packets which have been attached to cards of the same size as the Ulster Museum envelopes and inserted in the sequence. Oversize and albums are stored separately (see under **albums, exsiccatae and oversize collections** below)

### **Principal bryophyte collections**

Material acquired from institutions has come mainly from the **Old Museum collections**, including the Belfast Natural History & Philosophical Society and S.A.

Stewart herbaria, the Belfast Museum and Art Gallery (which includes the material from the Old Museum) and the **Queen's University of Belfast**, the last in 1968.

The principal constituent collections are listed here:-

**David Bigham Bradshaw 1869 - 1944**

This collection, acquired in 1944, was rather crudely documented in 1948 but numbers were only applied to documentation slips and not to the packets themselves. Replicates were not given separate numbers. In 1975-76 the bulk of the collection was recatalogued. Total number of British & Irish mosses = 1504. There is also a substantial quantity of foreign material, mostly from western Europe, acquired by Bradshaw by exchange.

**Samuel Andrew Gailey Caldwell**

Lichen and bryophyte collections, made in the 1960s, donated to Ulster Museum in 1982. Not yet fully incorporated, and contains much unidentified material. The packets merely carry the initials 'S.A.G.C.'

**Isaac Carroll**

Mounted on standard-sized blue herbarium sheets. Co Cork, 1850s. Not in main sequence because outsize. Includes many William Gardiner specimens from Scottish localities. Ex QUB.

**Mr R. W. & Mrs Jean Fitzgerald**

Many packets in QUB collection. 1950s, 1960s including the vouchers for the Bryophyte Flora of Co Tyrone (see below).

**Bryophyte Flora of Co Tyrone** by Fitzgerald & Fitzgerald (published in British Bryological Society's Journal 1960): c.150 liverworts and c.179 mosses, stored at present in separate drawers from main sequence. Fully catalogued. MS of text of paper is with vouchers. Ex QUB

**Dana Griffin III**

Exchange. 1960s USA. Ge7860 - 8002 (plus some lichens).

**Paul Hackney**

North Wales c.1967 - 1970. N. Ireland 1969 onwards.

**David T. Holyoak**

N. Ireland, 1990s onwards.

**Kuopio Museum (Finland)**

Exchange collection. Finland & Norway.

**R. E. Parker**

Bryophyte collection compiled mainly in the 1950s. Includes large quantity of northern European continental exchange material and some Swedish material, otherwise mostly from Great Britain, especially North Wales and Cambridgeshire. Donated, with its storage units, by R. E. Parker to **BEL** in 1990.

**Samuel Alexander Stewart and Old Museum Collections**

Bryophyte records are in his *Flora of the North-east of Ireland* (1888). Most of the specimens are from the collections of the Old Museum, acquired in 1910. The exact boundaries between Stewart's own herbarium and those of the BNFC and BNHPS are not clear.

**Jeanne Taylor**

Part of QUB herbarium. N. Ireland and England 1950s, including a large separate collection of specimens originally stored in cabinets labelled "Bryophyte Ecology" from N. Ireland, c.1948 – 1950 collected as part of work for PhD. These last bear no collector's name. (See Taylor 1951)

**Rev Coslett Herbert Waddell**

An important collector of bryophytes (he was virtually the founder of the British Bryological Society). Bryophyte herbarium donated to QUB by his widow in 1918 (along with vascular plant collections).

**Rev William Rutledge Megaw**

Part of QUB herbarium. 1920s-1950s; Ireland and Great Britain (British Bryological Society field meetings).

**Albums, exsiccatae and oversize collections.**

(Non standard specimens)

A few specimens are attached to Kew-size sheets or similar large herbarium sheets. These are stored in manila folders like the vascular plants, cross-referenced by a card placed in the main sequence.

There are a number of Kew-size blue sheets from the Isaac Carroll Collection of British & Irish bryophytes. The Carroll Collection is stored separately at the end of the main sequences of mosses and liverworts. For details of collection content see under list of Principal Collections and Collectors.

Albums and exsiccatae are stored individually at the ends of the main sequences. These are listed below (titles of albums and exsiccatae are given in upper case format):-

**Anon.**

An anonymous (19th century?) collection in form of two bound volumes (both front covers missing) of British and Irish mosses donated 1991 by Peter M. Paice of Methodist College. DB 1991-2; catalogue nos. Ge3582 - 4074.

***Belfast Natural History Society herbarium.***

12 volumes of a bound herbarium of which vol 11 contains 107 mosses. Most specimens not dated but covers period 1799 (earliest dated specimen in bryophyte herbarium) to approx 1828. Mainly north of Ireland provenance. See Hackney (1980).

***Isaac Carroll collection.***

Donated by Queen's University. Mostly collected by Carroll in Co. Cork in 1850s. Also some other collectors, notably William Gardiner of Dundee. The specimens, several to a sheet, are not numbered consecutively. They are indexed by cards in main British and Irish sequence.

***HEPATICAE BRITANNICAE EXSICCATAE Fasc. IV numbers 216 - 290 only.***

75 specimens of NW European (mainly Great Britain) hepatic specimens, include. Irish specimens by Holt and Stewart. Prepared by Benjamin Carrington & William Henry Pearson. Published Manchester 1890. Ulster Museum catalogue numbers Gd1831 - 1905. Ex QUB herbarium. Also a duplicate of the same volume ex Belfast Museum & Art Gallery collections, Ulster Museum catalogue numbers Gd1906- 1980.

***MUSCI AMERICANI***

by Thomas Drummond, 2 volumes, Glasgow 1828. Subtitled Specimens of the mosses collected in British North America and chiefly in the Rocky Mountains during the Second Land Arctic Expedition under the command of Captain Franklin R.N. by Thomas Drummond Assistant Naturalist to the Expedition. Probably ex BNHPS. Catalogue numbers Ge4516 - 4801. Thomas Drummond was the first Curator of Belfast Botanic Gardens.

### ***MUSCI BRITANNICAE***

Exsiccata in 6 parts, original covers lost and sheets now stored in four box files. Ex QUB herbarium. Provenance is Great Britain c.1850 - 1860, various collectors; compiler unknown. Catalogue numbers Ge3147 -3467.

(An isolated part of same collection numbered Ge6452 - 6480 specimens mostly from Yorkshire, 1850s, is integrated with the main collection.

Collectors include J. Nowell; J. G. Baker; A. Hutton. These specimens were marked with a special symbol: **Y** ).

### ***MUSCI GALLIAE - HERBIER DES MOUSSES DE FRANCE***

Exsiccata, fascicle XVIII or XIX (Index and title-page disagree). Prepared by T. Husnot, c.1900. Specimens from Scandinavia, Switzerland, France and the Tyrol by a variety of French collectors including Husnot. Purchased by Waddell from Husnot in 1907. Acquired by Ulster Museum from QUB in 1968. Catalogue numbers Ge2995 - 3047; Gd1981 - 1988).

### ***MUSCI SCOTICI***

by Thomas Drummond, 3 volumes. c.1830? Despite the title the volumes include north of Ireland specimens as well as Scottish. This collection was prepared by Drummond for the BNHPS, so is probably not a published exsiccata. Catalogue numbers Ge4075 - 4388.

### ***Notcutt Collection***

Two bound volumes, made by Notcutt in the Cheltenham area (mainly), 1862. Inscribed "purchased from Notcutt's sale, Mary Barnard" and stamped "R. Gary Barnard, Bartlowe, Leckhampton, Cheltenham" on fly-leaf. Ex QUB Catalogued Ge3048 - 3146.

### ***Waddell's New Zealand mosses***

Part of the Waddell Herbarium. Collector unknown. Redetermined for Waddell

by H. N. Dixon in 1915. Ex QUB. Ge2924 -2994.

### ***Waddell's Collection of Mosses and Hepaticae (not classified).***

C. H. Waddell Saintfield 1895. British & Irish localities, 1880s, 1890s. Catalogue nos. Ge4389 - 4515; Gd2112 - 2156.

### **Other collectors of note represented in the bryophyte collections.**

Miss E.M. Loble, W. N. Tetley, Richard Spruce (Yorkshire), Charles Waterfall, D.A. Jones (mainly in Bradshaw herbarium), William Gardiner (of Dundee, mainly in Isaac Carroll Collection),

## **11. PTERIDOPHYTA (Ferns)**

The Pteridophyte collection covers one of the widest geographic ranges of any section of the collections and includes material from the British Isles, Europe, southern Asia, North America and New Zealand. The material from Asia and New Zealand tends to be of lower scientific value since it is mainly represented by specimens collected as curiosities by Victorian amateurs. Herbarium catalogue numbers are preceded by "H" as are all vascular plants.

The collection is split into several sequences as follows:-

- A. New Zealand Pteridophytes** (mostly albums).
- B. Other Albums** except New Zealand and British Isles.

- C. Unsorted foreign ferns** still in their original collection i.e. collection not broken up. These are H25389 to H25634; H25636 to H25678; H25701 to H25796; H27513.
- D. American sequence** (North & South America), arranged as follows:  
**Lycopodiaceae**  
**Selaginellaceae**  
**Isoetaceae**  
**Equisetaceae**  
**"True ferns"**
- All are arranged in alphabetic order of genus and species within each family or group, but no account has been taken of families in the "True Ferns".
- E. European Ferns.** This is the main sequence and is arranged according to the list on the cabinet doors (modified *Flora Europaea*). It includes ferns cultivated in Europe (but see also sequence **G** as well).
- F. Other Foreign** (i.e. Asia, Australia, Africa; areas other than Europe, Americas, New Zealand).
- G. Outsize** stored on top of cabinets - two large albums:-  
 1. **Outsize portion of W.H. Phillips collection of fern cultivars.** See under list of collectors. These are in a bound volume with outsize pages except for one portion H25636 - H25678 which is on Kew-size sheets and is incorporated with sequence **C**.  
 2. **Albums of Ferns of Jamaica by Capt. W.O. Lanyon.**  
 H27001 - H27138.
- H. British Isles Albums.**

### **Principal Pteridophyte collections**

The list of principal contributors to the pteridophyte collection is mainly identical to that of the flowering plants (q.v.). Therefore the following listing of the main sources of pteridophyte specimens only gives detail of collections which are specifically pteridophyte-based. Where album titles have been adopted as collection titles, they are given in bold italic format.

**CHARLES BAILEY** herbarium

**BELFAST NAT. HIST. & PHIL. SOC.**

**BELFAST NATURALISTS' FIELD CLUB**

**STEPHEN ALLEN BENNETT** herbarium

**'BLUE SCOTLAND SHEETS'** (See under flowering plants)

**SAMUEL ARTHUR BRENNAN** fern herbarium which is divisible into three separate collections.

1. Specimens of native Irish species marked "TOS" in pencil (probably = T.O. Smith), many have no location but there is a proportion labelled as being from Ardunshin in Co Fermanagh. No dates but probably mid-1800s.
2. A collection of foreign ferns (including some fine lycopodiums) which are mostly in thin paper folders as above. This collection is confused with another which is labelled "Wear Collection" in an unknown hand. Did Wear acquire Brennan's herbarium? There seems to be no difference between the two collections and the 'Wear' collection folders contain a sheet attributing the

collection to Brenan. Brenan's distinctive handwriting appears on many of the sheets.

3. A collection of specimens of cultivars mounted on thick dark blue paper of standard size. Some of these are localised (Irish locations), some not. Labels are in Brenan's own hand.

### **BRITISH FERNS**

A bound volume of 40 British and Irish specimens, mostly unlocalized. Given to Queen's College by William Gray of British Museum 20 March 1867 (inscribed to the effect inside front cover). One specimen is by Nathaniel Ward.

### **W.W. CANADA**

**E. NORMAN CARROTHERS** herbarium

**C.D. CHASE** herbarium

**T.H. CORRY**

**G. DONALDSON** herbarium (part of Sylvanus Wear collection). Massachusetts.

### **FERNS**

Album, ex QUB, inscribed "Presented by W. Riddell Esq. 30 January 1930".

### **FERNS OF NEW ZEALAND**

Large album ex QUB inscribed "To James Brodie, Glaslough, Monaghan, Ireland. From Rangiova, N.Z. 14/3/93 [1893] I.K."

### **"FOREIGN FERNS ex QUB"**

3 folders so labelled - a 19th Century collection from Ceylon, Brazil and elsewhere. All same handwriting, all 19th Century (presumably) but no dates. No collectors' names. Origin unknown, but part of QUB herbarium.

### **MARION FORSYTH**

### **WILLIAM GARDINER**

### **"GLASNEVIN" Collection**

Probably cultivated specimens, marked '**Glasnevin (c.1853)**': - some have localities however e.g. Killarney. No collectors' names. All ex QUB (acquired 1968).

### **PAUL HACKNEY**

### **HARDY, C.**

New Zealand ferns coll. pre-1866, set loosely in a hard cover, but not bound up in album format. Donated to Sarah S. Hardy. C. Hardy lived in Dunedin. S.S. Hardy in Ireland.

### **JOHN HESLOP HARRISON.**

**G.C. HYNDMAN** See HERDMAN in list of flowering plant collectors.

### **F.H.W. KERR.**

### **M.P.H. KERTLAND**

### **W.O. LANYON**

Album titled '**Ferns of Jamaica**' 19th Century. Oversize

### **H.C. LEVINGE**

### **JACK McK. MOON**

### **M.E. MORRISON**

### **NEW ZEALAND**

Small book of NZ ferns, collector unknown and undated. Ex QUB

### **NEW ZEALAND FERNS**

Album inscribed "John Rusk Aug 1919". Ex QUB.

### **NEW ZEALAND FERN PICTURES**

A small collection of named specimens on small sheets, H25897 to 25920, presented with a floral arrangement if other ferns around the base.

**WILL STEELE'S BOOK OF FERNS**

Acquired from Dr R.E. Brandon 1999. Album of Fermanagh and Donegal native species, many with localities. Inscribed "John H. Steele" and dated 1878 on inside front cover.

**W. & J. BIRKENHEAD fern nursery**

Two volumes entitled 'Ferns' produced and published by this company which was a fern nursery in Sale, Manchester. About a hundred specimens of named cultivated ferns.

**W.H. PHILLIPS**

Of Holywood. On very large sheets not stored in main sequence. Only cultivars, some localised, some signed W.H. Phillips. Labels bear Phillips' name on reverse in some cases (a Treasurer of some concern). Includes a small collection on blotting paper, of standard Kew size, more or less, which is almost certainly also by Phillips.

**QUEEN'S UNIVERSITY of BELFAST herbarium**

**HUGH ROBINSON herbarium**

**WYVILLE THOMSON**

**Miss D.E. de VESIAN**

**COSLETT HERBERT WADDELL**

**WILLIAM TAYLOR WHAN**

## **12. GYMNOSPERMS (Conifers)**

All Gymnosperms, whatever provenance, are stored together. The collection is small and rather insignificant. Most specimens are from cultivated plants growing in Ireland, including cultivars, an area of the herbarium under active development at present, but it also includes the collection of wild species naturalised or native in the British Isles (mainly *Taxus*, *Juniperus*, *Pinus*). The history of the collection and its constituent parts is as per the Flowering Plants. The catalogue numbers are preceded by the letter "H" and are arranged in systematic order by a checklist on the cabinet doors.

## **13. ANGIOSPERMS (Flowering plants)**

These are stored in four separate series of cabinets:- Irish, British, foreign, cultivated (garden flora).

The Irish and British sections are arranged separately but following a standard check list Kent (1992). The names of the species and their families have been updated in many cases in accordance with Stace, C. (1997) but many sheets have not been updated in this fashion, nor are entries in the computer catalogue necessarily under the updated name. A full list of the genera is attached to the door of each cabinet using the numbers which Kent applied to each taxon.

The cultivated (garden flora) section contains mostly ornamentals grown in N. Ireland gardens. This section is under active development at present.

**Principal regions represented.**

The principal regions represented by the flowering plant collections are Ireland, Great Britain, Western continental Europe, North America. There are also smaller collections from east Africa, North Africa, Australia and South America. The last region is represented by a portion of the collection of Richard Spruce who collected in the Amazon Basin in the 1840s and 1850s.

The Irish material is predominantly from the east of Ulster; the west of the Province is comparatively poorly represented.

## **The main (largest) constituent collections**

**Queen's University Herbarium (QUB)** acquired 1968  
**Belfast Naturalists' Field Club** acquired by BMAG 1910  
**Belfast Natural History & Philosophical Society** acquired by BMAG 1910  
**Samuel Alexander Stewart Herbarium** acquired by BMAG 1910  
**Belfast Museum & Art Gallery Herbarium** became the Ulster Museum herbarium in 1961  
**Charles Bailey Collection** acquired by QUB 1918  
**C.H. Waddell Collection** acquired by QUB 1918  
**W.J.C. Tomlinson Collection** acquired 1978  
**Sylvanus Wear Collection** date of acquisition by BMAG unknown  
**S.A. Bennett Herbarium** acquired c. 1974  
**C.D. Chase Herbarium** acquired c. 1972  
**Ludwig Schenkel Herbarium** acquired c. 1988  
**Ulster Museum Staff contributions** from 1966 onwards  
**Sublittoral Survey of Northern Ireland**  
**Northern Ireland Lake Survey** acquired over period 1988-91

## **List of Principal Collectors and Collections of vascular flora acquired prior to 1968**

### **Bailey, Charles**

including:

Baenitz, C.G.  
Bornmuller, J.F.N.  
Callier, A  
Hurst, H.A.  
Huter, R.  
Porta, P. and Rigo,  
Reverchon, E. *fl* 1857 - 1890

### **Bickham, Spencer H**

### **Brenan, Samuel Arthur**

### **Bromwich, H**

### **Corry, T.H.**

### **de Crespigny, E.C.**

### **Dickie, G. (1812 - 1882)**

### **Dickson, C.**

*fl*1881

QUB

(Ireland)

### **Dod, C.W. see Wolly-Dod**



**Druce, G.C.**  
**Forsyth, M. S.** (see Gunning, M. S.)  
**French, J.B.**  
**Gillespie, G.**  
**Grainger, John**  
**Greer, J.**  
**Gunning, B.E.**  
**Gunning (nee Forsyth), M.S.**  
**Hadden, R.E.**  
**Hanna, H**  
**"Herdman" probably refers to Hyndman q.v.**  
**Herdman, A.F.** (Ireland)  
**Heslop-Harrison, J.W.**  
**Hyndman, G.C.**  
**Kerr, F.H.W.**  
**Kertland, M.P.H.**  
**Lewis, John Harbord**  
**Ley, A.**  
**Linton, E.F. (Rev)**  
**Linton, William Richardson**  
**McCallum-Webster**  
**McCalla, William**  
**Marshall, E. S.**  
**Megaw, W.R.**  
**More, A.G. (1830 - 1895)** *f1869* BNFC (Ireland; I.O.W)  
**Moore, D.**  
**Morrison, M.E.**  
**Painter, W.H.**  
**Praeger, R.Ll**  
**Pugsley, H.W.** *f1930s*  
**Riddelsdell, H.J.**  
**Robinson, H.**  
**Roper, Ida M.**  
**Spruce, R.**  
**Stewart, S.A**  
**Taylor, Sir George**  
**Taylor, Jane**  
**Templeton, John**  
**Thompson, W.**  
**Thompson, S.M.**  
**Waddell, C.H**  
**Waterfall, C.**  
**Watson, H.C.**  
**Wear, S.**  
**White, J.M.**  
**Wolley-Dod, A.H.**

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**Collections of vascular flora acquired after merger of the QUB and  
 Belfast Museum & Art Gallery Herbaria in 1968:**

**Bennett, S.A.**  
**Carrothers, E.N.**  
**Chase, C.D.**  
**de Vesian, D.E.**  
**Hackney, P.**  
**Harron, J.**  
**Lambert, D.S.**  
**Meikle, R.D.**  
**McClintock, F.L.**  
**Moon, J.McK.**  
**Morton, O.**  
**Northern Ireland Lake Survey 1988 - 1991.**  
**Northridge, R**  
**Parker, R.E.**  
**Scannell, M.J.P.**  
**Schenkel, Ludwig**  
**Stelfox, A.W.**  
**Tomlinson, W.J.C.**  
**Wilde, J.**  
**Wolfe-Murphy, S.**

## **14. PHOTOGRAPHS**

The photographic collections comprise

i) The Robert John Welch Collection. The collection (as glass negatives) was donated to the Ulster Museum by the Belfast naturalists' Field Club in 1936. A catalogue of the natural history photographs was published by the Ulster Museum in 1986 (Hackney *et al* 1986). The glass plates are stored centrally but copy negatives and prints are stored in the Herbarium.

ii) Prof James Small Collection. Donated by QUB Botany Dept. These are photographic prints of plant parts produced by Small using a plate camera adapted with a macro-lens of his own invention.

iii) Miscellaneous photographs, colour and black and white, in a variety of formats.

iv) 4inch square glass transparencies formerly used for lectures

There is also a modern working collection of 35mm colour transparencies - mainly used for lectures, but increasingly these are being supplanted by digital images used for both lectures and web site development.

## **15. TIMBER COLLECTION, SEEDS, FRUITS**

A collection of exotic timbers, mostly south Asian and Canadian, built up by Mr Arthur Deane during his curatorship of this Museum.

Other economic botanical collections covering spices, fruits, nuts, oils etc have been neglected in the past, but attempts are being made to correct this.

## 16. HISTORIC MANUSCRIPTS AND BOOKS.

The most important manuscripts are those of John Templeton and include several volumes of an unpublished Flora of Ireland. They contain some fine watercolour illustrations. There are also letters by Templeton to James Sowerby of London, letters of T.H. Corry, S.A. Stewart and others. There are also manuscript floras by Corry, F.H.W. Kerr, Stewart etc.

We possess a small library of old and valuable books such as herbals by authors such as Gerard, Fuchs etc; also a number of fine reproductions of historic works.

### Handwriting samples

There is also a "Manuscript File" which contains manuscripts, letters, photocopies of handwriting from specimens etc. This was first put together to assist in the identification of some of the collectors and to preserve the few letters etc which had been found among the specimens. The samples of handwriting in this file include:-

**William Borrer** (1781 – 1862)

**S.A. Brennan** (1837 –1908)

**Norman Carrothers**

**G. Clifton** (1823 – 1913)

**A.D. Cotton** (1879 – 1962)

**F.R.M. Crozier** (1796 – c.1848 )

**Gatty** (Miss) (1809 – 1873)

**R. Gunn** (1808 – 1881)

**H. Hanna** (*fl* 1890s)

**W.H. Harvey** (1811 – 1866)

**E.M. Holmes** (1843 – 1930)

**G.C. Hyndman** (1796 – 1867)

**A.M. Irwin** (*fl* 1948)

**T. Johnson** (1863 – 1954)

**D. Lyall** (1817 – 1895)

**J.A. Mahony** (*fl* 1850s – 1880s)

**F. von Mueller** (Baron) 1825 – 1896

**D. Robertson** (1806 – 1896)

**J. Sowerby** (1757 – 1822)

**S.A. Stewart** (1826 – 1910)

**J. Templeton** (1766 – 1825)

**W. Thompson** (1805 – 1852)

**G.W. Traill** (1836 – 1897)

**W. Wade** (1760 – 1825)

## 17. CONSOLIDATED ALPHABETICAL INDEX TO COLLECTORS WITH BIOGRAPHICAL NOTES

(Giving details of lives etc not noted above, and including collectors not mentioned above.)

Listed here are the names and dates of principal collectors with some indication where appropriate of their dates of botanical activity, the constituent herbarium or herbaria in which the specimens of that collector are to be found, and the principal taxonomic groups and geographical areas covered. Brief biographical details are given for the most significant collectors i.e. those who have contributed large numbers of specimens or specimens of unusual importance, or who are of regional (north of Ireland) significance.

Major sources of biographical details are Praeger (1949), Desmond (1977).

**Adair**, Freda (Mrs). Newcastle, Co Down. *fl*1970s onwards. (Fungi, N. Ireland)

**Adams**, John (1872 - 1950) *fl* 1890s BNFC (Vascular plants: Ireland)

**Addison**, F. *fl*1875 BNFC (Algae. England. Vascular plants: Ireland)

**Allardyce** (Miss) (Algae: Scotland)

**Andrews**, William (1802 - 1880) Collected in Cos Kerry and Mayo. President and secretary of the Dublin Natural History Society. (Algae: Ireland)

**Anslow**, R. (Mr.) *fl*1860s BNHPS (Vascular plants:England)

**Apjohn**, (Mrs) *fl*1850s (Algae & Vascular plants: Ireland)

**Appleford**, K. *fl*1882 (Vascular plants: England)

**Armitage**, E. *fl*1910 -1920 An eminent bryologist who came from an old Herefordshire family and was a founder-member of the British Bryological Society. (Bryophytes: England. Vascular plants: Great Britain)

**Archer**, B.T.R.

**Arnold**, Frederick Henry (Rev.) (1831 - 1906) *fl*1870s (Vascular plants: England)

**Ashmead**, S. *fl*1850 – 1895 (Algae: USA)

**Autheman**, A. *fl*1883 (Vascular plants: foreign)

**Babington**, Charles Cardale FLS. (1808 - 1895) *fl*1840s QUB; BM&AG (Vascular plants: England)

**Backhouse**. There are two collectors with the name "J. Backhouse".

**Baenitz**, C.G. (1837 - 1910) (Vascular plants: foreign)

**Bailey**, Charles, (Dr) FLS, MSc(Hon) (1838 - 1924) *fl*1850 - 1890s QUB. Employee of Ralli Bros, Manchester. Main herbarium and library at Manchester Museum, but duplicate sets at QUB (acquired 1918), Liverpool and Oxford. Bailey's own specimens are from Great Britain (a few from Ireland) but his herbarium also includes a large continental/near east collection built up by exchange with foreign and other British collectors.(Algae & Vascular plants: Great Britain and Ireland)

**Baenitz**, C.G. 1837 - c.1910. In C. Bailey herbarium. (Vascular plants: Europe)

**Baker**, John Gilbert (Dr) *fl*1850s -1880s (Bryophytes & Vascular plants: England, Wales)

**Baker**, R.L. (Dr) *fl*1860s - 1880s QUB; BM&AG (Vascular plants: Scotland & England - Warwickshire)

**Balfour**, John Hutton (Prof.) (1808 - 1884) BNHPS (Vascular plants: Scotland)

**Ball**, Anne Elizabeth, Miss. (1808 - 1872) (Algae: Ireland)

**Ball**, C. 1838 – 1924 (Algae: Scotland & England)

**Ball**, Robert [Check Bell? 1864 - 1934?]

**Barclay**, W. (1846 - 1923) *fl* 1890s (Vascular plants: Scotland)

**Barron**, H. [?] *fl*1941 – 1943 QUB (Vascular plants: Ireland)

**Barrow**, John (1822 – 1890) QUB (Vascular plants: England)

**Barth**, J. (1833 – 1915) (Vascular plants: foreign)

**Barton**, William Charles (1912 - 1955) *fl*1912 - 1955 QUB (Vascular plants: England; Wales; Channel Islands)

**Batters**, Edward Arthur Lionel. FLS (1860 - 1907) QUB (Algae: Ireland; England; Scotland & Channel Isles)

**Beck von Mannagetta und Lerchenau**, Gunther Ritter (b.1856) (Vascular plants: foreign)

**Beeby**, William Hadden (1849 – 1910) *fl*1880s (Algae: England. Vascular plants: England)

**Beesley**, H. *fl* 1915 (Bryophytes: England)

**Beesley**, Stan (1926 – 2005) *fl*1970s - 1990s Born Darwen, Lancs 15 August 1926; Chemistry graduate of University of Manchester; industrial chemist in the textile industry. Moved to N. Ireland c. 1974. He and his wife Marion lived most of their time in N. Ireland at 12 Downview, Greenisland; he worked for Courtauld's at Carrickfergus in a senior management capacity, and was involved in winding down the business in N. Ireland and the conversion of site into a business park. BSBI Recorder for Co. Antrim for many years (successor to David Ledsham). Author with J. Wilde of *Urban Flora of Belfast* 1998 and (posthumously) *Rare Plant Register of Co Antrim* 2005. Died Belfast 1 August 2005. (Vascular plants: Ireland, esp. Co Antrim)

**Bell**, N. *fl*1907 – 1911 (Vascular plants: England)

**Bell**, T.B. *fl* 1830s (Vascular plants: England)

**Bell**, W. *fl*1904 –1911 (Vascular plants: England)

**Bellerby**, W. *fl*1920s (Bryophytes: England)

**Bennett**, Arthur QUB (Vascular plants: England)

**Bennet**, Stephen Allen. (1868 - 1934). Bennett's large collection of vascular plants from N. Ireland and Great Britain (especially Staffordshire, Derbyshire and North Wales) was donated to **BEL** by Dr Wells of Campbell College (Day Book 1067) in 1972. Bennett taught science at Campbell College from 1898 to 1926 and was a friend of fellow amateur field botanist Corrie D. Chase. Bennett was a cousin of the Potteries author Arnold Bennett. A list of his Staffordshire plants in **BEL** was sent to the BSBI Staffordshire vice-county Recorder, E. S. Edees, in 1978. Died at Burslem; buried at

Lawton in Cheshire. *Obituary: Ir. Nat. J.* **5**: 37 – 38 (Vascular plants: N. Ireland, England, N. Wales)

**Benton**, J.B. *fl* 1875 BM&AG (Vascular plants: England, esp. Kent)

**Berkeley**, Miles Joseph (1803 - 1889) (Algae: England)

**Bickham**, Spencer Henry (1841 -1933) *fl*1890 - 1900s QUB (Vascular plants: England)

**Bidwell** (Dr) *fl* 1840s (Vascular plants: Wales)

**Billot**, Paul–Constant (1796 - 1863) (Vascular plants: foreign)

**Binstead**, C.H. *fl*1900 – 1920 (Bryophytes: British Isles)

**Blake**, F.R.D. *fl* 1920 (Vascular plants: Wales)

**Blackwood**, G.G. *fl* 1908 (Vascular plants: Scotland)

**Blackwood** (Miss) The same? *fl*1915 (Vascular plants: Ireland)

**Blomster**, Jaanika *fl* 1990s. Worked in Queen's University on *Enteromorpha*. Donated specimens to **BEL** and determined specimens for **BEL**. (Algae: Ireland)

**Blow**, Thomas Bates (1854 - 1941) *fl*1870s BNFC; BNHPS (Vascular plants and Algae: Great Britain & foreign)

‘**BLUE SCOTLAND SHEETS**’ Undated and unsigned. Scottish locations, all ex QUB. Probably a mid-19th Century collection, 1840s-1850s. (Pteridophytes and flowering plants; Scotland)

**Boal**, J.K. *fl* 1910 –1911 In herb. S. A. Bennett. Pupil of Campbell College (Vascular plants: Ireland)

**Bognall**, J.E. *fl*1873 (Vascular plants: England)

**Boning** (Miss) (Algae: England)

**Bordere**, H. (1816 - 1889) (Vascular plants: foreign)

**Bornmuller**, J.F.N. 1862 – 1948 In C. Bailey herbarium. (Vascular plants: Anatolia, Iran, Muscat, Yugoslavia)

**Borrer**, E. (Vascular plants: England)

**Boswell**, John Thomas (1822 - 1888)

**Bourgeau**, E. (1813 - 1877) QUB. Born in Savoy. Studied botany under Seringe. Later went to Paris as Curator of P.B. Webb's herbarium. Collected prolifically in many parts of Europe between 1847 and 1864; also in the Canary Islands, Algeria and Turkey. Went to Canada with Palliser's Expedition and to Mexico. (Vascular plants: foreign)

**Boyden**, Henry (Rev.) *fl* 1880s – 1900s (Vascular plants: England)

**Bradshaw** David Bingham (1869 – 1944). A Founder Member of the British Bryological Society. Bradshaw was a member of the BNFC from 1926 - 1929 approximately, and an active member of the British Bryological Society for many years. He was an acquaintance of Rev. W.R. Megaw and Captain C.D. Chase. Born Ballyshannon, Co Donegal 13 April 1869, eldest son of Rev. James Bradshaw, a Wesleyan Methodist minister. Educated at Wesley College, Dublin and Portora Royal

School, Enniskillen. Employed for all his adult life by the Provincial Bank of Ireland. Retired 1936 and went to live in Dublin. Reported to be an authority on the history of the Methodist Church of which he was a prominent member. Died Dublin 5 January 1944. *Obituary* with portrait *Ir. Nat. J.* **8**: 166 (1944). Collection presented to the Belfast Museum & Art Gallery in 1944 by the Executors of D.B. Bradshaw's estate. Letters dealing with the gift are in the herbarium files. Some 1504 specimens of bryophytes (mainly British Isles but some continental European) make up the collection; many of the British and Irish specimens collected by himself but there are numerous other collectors represented notably the Welsh bryologist D.A. Jones. Also includes specimens acquired by exchange from many continental bryologists. (Bryophytes: British Isles and W. Europe)

**Brebner**, G. (c.1855 – 1904) QUB (Algae: England)

**Brenan**, Samuel Arthur (Rev.) (1837 – 1908) *fl* 1880s QUB BNFC An experienced botanist and zoologist. He published notes in the *Irish Naturalist* mainly on the animals and plants of Co. Antrim. He was the first finder of *Hieracium tridentatum*. A sample of his handwriting is to be found on the title page and on the back of Stewart and Corry's *A Flora of the North-East of Ireland*. 1888 in the Ulster Museum, Library No. 1923-43. Died at Cushendun January 1908. See Praeger (1949). Many specimens from north of Ireland. Herbarium includes specimens from Ardunshin, Co. Fermanagh, collected by T.O. Smith. (Algae: Great Britain, Ireland [see Morton 1980]. Vascular plants: Ireland)

**Brewner**, J. (St or H.?) 1859 (Vascular plants: Great Britain)

**Briggs**, Thomas Richard Archer (1836 – 1891) *fl* 1870s - 1880s BNHPS BM&AG (Vascular plants: England esp. Devon)

**Bray**, E. (Miss) (c.1844 – 1938) *fl* 1908 QUB (Vascular plants: England)

**Brinklow**, Richard K. *fl* 1970s Staff member of **BEL**. Lichenologist. (Lichens; Great Britain and Ireland. Also some algae and angiosperms)

**Broome**, Christopher Edmund (Flowering plants: England)

**Bromwich**, Henry (1828 – 1907) *fl* 1870s - 1880s QUB BM&AG BNHPS Gardener in Warwick (Clokier 1964) (Vascular plants: England)

**Brotherston**, Andrew (1834 - 1891) *fl* 1870s BM&AG BNHPS BNFC (Vascular plants: England & Scotland)

**Brown**, G.C.

**Brown**, J.B.P. *fl* 1912 (Vascular plants: Scotland)

**Brown**, F.J. *fl* 1912 QUB (Vascular plants: England esp. Sussex)

**Brown**, Robert (Dr) (1773 – 1858) First Keeper of Botany, British Museum. Army surgeon, stationed in Londonderry 1790s (Algae: Ireland)

**Brown**, V. *fl* 1970 (Algae: Jamaica)

**Brown**, W. *fl* 1844 QUB (Great Britain)

**Bromfield** (Dr) [W.A.] 1801 - 1851 (England)

**Bucknall**, C. *fl* 1917 (Vascular plants)

**Bullock**, Y.K. *fl*1890 (Vascular plants)

**Burrell**, W.H. *fl* 1920s (Bryophytes: England)

**Burrows**, Elsie, M. (1913 – 1986) Determined many specimens for the Ulster Museum. See Burrows 1991 (published after her death) and other important publications. One of the foremost specialists of the marine Chlorophyta in the British Isles. *Obituary*: Norton 1987. *Br. Phycol. J.* **22**: 317 - 319. (Algae: British Isles)

**Burton Jr.**, William *fl*1876 QUB (Vascular plants: England)

**Butler**, T *fl* 1846 - 1880s BM&AG (Vascular plants: England & Wales)

**Caldwell**, Samuel Andrew Gailey (1897 - 1989) Born 6 Sept 1897, England, died 29 Jan 1989, Belfast. Technical manager of York Street flax spinning mill, Belfast; later a freelance writer on the linen industry and a consultant to the industry. Author of several textbooks on the subject. Involved in setting up linen mills in Portugal and other overseas countries. A friend of Arthur W. Stelfox when he had retired and both lived in Newcastle, Co Down and went on trips to Scotland together. An excellent gardener. Donated his library to the Linenhall Library. His lichen and bryophyte collections, made in the 1960s, were donated to Ulster Museum in 1982 (Lichens & Bryophytes: Ireland).

**Callier**, A 1866 - In C. Bailey herbarium. (Vascular plants: Crimea)

**Campbell**, D.C. (1860 – 1926) (Algae: Ireland)

**Campbell**, William *fl* mid 1800s

**Carmichael**, D. (1772 – 1827) (Algae: Scotland)

**Carey**, (Captain) *fl* 1800s See Cullinane, J.P. & Whelan, P.M. 1984 *Ir. Nat. J.* **21**: 230 – 233 (Algae: Ireland)

**Carmichael**, Dugald (Captain) (1772 – 1827) (Algae: Scotland)

**Carr**, Amos (c.1829 – 1884) (Vascular plants)

**Carr**, John Wesley *fl* 1878 (Vascular plants: Great Britain)

**Carriez**, A. *fl* 1874 (Vascular plants: foreign)

**Carroll**, Isaac (1828 – 1880) QUB (Algae, Bryophytes: Ireland)

**Carrothers**, Edward Norman (1898 –1977) *fl*1916 –1937 Some specimens ex QUB, some donated after 1968 to **BEL**, some located in a skip outside his house in Camden St. following his death! Born Stranmillis. Employee of the Midland Railway (NCC). Discovered *Hierochloë odorata* at Selshan, with Desmond Meikle, in 1946. *Obituary* by Meikle (1978) and Jamison (1978). Portrait and photograph reproduced in plates 10 and 11. Pencil portrait by Raymond Piper in the Ulster Museum. (Phaeophyta: Ireland. Vascular plants: Ireland; Scotland)

**Carrothers**, Nathaniel (1852 – 1930) Father of E.N. Carrothers. Specimens in herb. E.N.Carrothers etc. Studied vascular plant flora of Down and Antrim, with a special interest in aliens and adventives. See Praeger (1949) (Pteridophytes and Vascular plants: Ireland)



**Casement**, Roger (Sir) British diplomat; served in Belgian Congo. A few specimens of economic botany interest from the Congo are in BM&AG collections. Executed for treason during World War I.

**Chambré** (Mrs) *fl* 1940s Contributor to F.H.W.Kerr's MS Flora of Co Tyrone (Vascular plants, Co Tyrone, Ireland)

**Chapman**, V.J. Specimens ex Institute of Jamaica *fl* 1954 (Algae: Jamaica)

**Chase**, Corrie Denew (1878 – 1965) *fl* 1920 – 1950 Born Keswick. A teacher of modern languages at Campbell College for many years during which time he was an active field botanist and travelled throughout Europe during school holidays. His extensive herbarium of continental European plants was given to Peter M. Paice of Methodist College, who in turn donated it to the Ulster Museum in 1971 (Day Book 810). The large collection of c.4000 sheets was formed between c.1920 and 1950. There are some Northern Irish specimens, many collected with his colleague and botanical friend Stephen Allen Bennett who also taught at Campbell College, but most of the collection is from continental Europe. (Algae, vascular plants: Ireland, Scotland; Wales; England; Channel Islands: Continental Europe; North Africa)

**Cheesman**, William Thomas *fl* 1915 (Myxomycetes: England, Canada, Australia & New Zealand)

**Christie**, C. *fl* 1969 (Algae: Jamaica)

**Clemishaw**, Edward (1846 – 1922) *fl* 1900s QUB in herb Waddell (Vascular plants: Wales)

**Clifton**, George (1823 – 1913) *fl* 1850s? Born and died in England. He is mentioned in Harvey's *Memoirs* as the Superintendent of the Water Police in Perth, Western Australia (*Taxon* - News & Notes 1977). Sent Australian algae to Harvey during 1851 – 1864. (Algae: Australia)

**Clokie**, Julian *fl* 1977 (Algae: England)

**Cocks**, John. (1787 – 1861 or 2) (Algae: England)

**Coleman**, William Higgins (c.1816 – 1863) *fl* 1840s QUB. Schoolmaster at Christ's Hospital, Hereford; and from 1847 at Ashby-de-la-Zouch (Vascular plants: England)

**Colenso**, William (Rev.) (1811 – 1899) QUB (Algae: New Zealand)

**Colgan**, Nathaniel (1851 – 1919) BM&AG (Vascular plants: Ireland)

**Collins**, J.V. [or T.V.?] *fl* 1911- 1914 (Vascular plants: Ireland)

**Comber**, James (1869 - 1930) *fl* 1910s QUB. Well-known archaeologist and amateur botanist. (Vascular plants: England)

**Comber**, J. *fl* 1910s (Algae: England)

**Comber**, J. [?]O. *fl* 1910s QUB (Vascular plants: England)

**Congdon**, C. (Algae: America)

**Connor**, David W. *fl* 1982 – 1983. Biologist and diver who did contract work for Ulster Museum. (Algae: Ireland)

**Cooper**, J.C. QUB (Great Britain)

**Cooper**, J.E. *fl* 1900 QUB (Vascular plants: Guernsey)

**Corry**, Thomas Hughes. (1859 – 1883) Born Belfast, educated at the Royal Academical Institute, Belfast; Queen's College, Belfast and Gonville and Caius College, Cambridge. Became Assistant Curator of the Cambridge University Herbarium. Married Helen M. Calder, died in boating accident on Lough Gill. Collaborated with Samuel Alexander Stewart on their *Flora of the North-east of Ireland* (1888). Many specimens c. 1878, are from Ireland and Cambridgeshire. Some of his poetry is in the possession of the Corry family. A portrait was donated to the BM&AG by his only child, Miss Eileen Corry, in 1934 (catalogue number: 95-1934). (Vascular plants: England & Ireland)

**Corstophine**, R. & W. *fl* 1914 QUB (Vascular plants: Scotland)

**Cotton**, C. *fl* 1890s QUB (Vascular plants: England esp. Hampshire)

**Cotton**, C. *fl* 1910s QUB Author of *A biological survey of Clare Island in the County of Mayo, Ireland and...* In Praeger 1912. (Algae: England)

**Cotton**, Thomas Atkinson (1857 – 1925) *fl* 1880s – 1890s (Vascular plants: England)

**Cowan Jr.**, McTaggart *fl* 1900s (Vascular plants: Scotland)

**Crawford**, Francis Chalmers (1851 – 1908) *fl* 1900 – 1910 QUB (Algae, Vascular plants: Scotland, Orkney)

**de Crespigny**, Eyre Champion (1821 – 1895) In herb. C. Bailey. (Vascular plants: England)

**Croall**, A. *fl* 1856 QUB (Vascular plants: Scotland)

**Crosfield**, Albert J. *fl* 1890s - 1910s QUB (Vascular plants: England)

**Crosland**, (Miss) undated QUB (Angiosperms: Cornwall)

**Crozier**, F.R.M. (Captain) (1796 – 1848?) (Ross 1982. Hackney 1997. Etc.) Of Banbridge, Co Down. Died on the ill-fated Franklin Expedition of 1845. QUB (Angiosperms: England)

**Cruckshanks**, Alexander *fl* 1820s - 1850s QUB (Vascular plants: Great Britain)

**Crundwell**, A.C. *fl* 1950s (Bryophytes: England)

**Cunnack**, James (1831 – 1886) *fl* 1870s BM&AG BNFC (Algae, Vascular plants: England)

**Cryer**, John (1860 – 1926) *fl* 1908 – 1917 QUB (Vascular plants: England)

**Curlow**, William (c. 1809 – 1887) *fl* 1870s QUB BM&AG (Vascular plants: England; Scilly Isles)

**Curnow**, T.P. *fl* 1870s (Vascular plants: England)

**Cunnack**, James (1831 – 1886) *fl* 1872 – 1877 (Algae, Vascular plants: England)

**Cunningham**, Robert Oliver (1841 – 1918) QUB (Algae: Ireland)

**Curnlow**, William (1877 – 1879) [or Curlow?] *fl* 1879 (Vascular plants: Great Britain)

**Curvall**, W [the same?] *fl* 1854 BM&AG (Vascular plants: Scotland)

**Cutler**, C (? – 1866) (Algae: Great Britain)

**Dandy**, John E. Former Keeper of Botany, BM(Nat. Hist). Authority on *Potamogeton* spp. Supplied collection of *Potamogeton* specimens to QUB collected by himself and/or Sir George Taylor to replace those on loan from QUB supposedly lost in an air raid on the Natural History Museum in World War II. (These "lost" specimens subsequently turned up in Dandy's office at Tring after his death and were returned to the Ulster Museum. Most are burnt around the edges and some have lost all legible label details). QUB (Vascular plants: Great Britain)

**Darragh**, John *fl* 1864 BNFC (Vascular plants: Belfast area)

**Davey**, Fred Hamilton FLS (1868 – 1915) *fl* 1907 – 1911 QUB (Vascular plants: Ireland & England)

**Davies**, John Henry (1838 – 1909) *fl* 1900 BM&AG Born Warrington and became a member of Thirsk Natural History Society (progenitor of the Botanical Society of the British Isles). Moved to Ireland c.1859 and later became manager of Glenmore Bleach Works at Lisburn. Plants from Counties Down, Armagh, Antrim. *See* Praeger (1949). (Vascular plants: Ireland)

**Dawber**, Margaret *fl* 1880s – 1890s QUB (Algae & Vascular plants: Britain & Channel Islands)

**Dawson**, Norah (Miss) *fl* 1960s – 1990s BSBI Co Recorder for Armagh (Vascular plants: Ireland esp. Armagh)

**Deacon**, E. (Rev.) *fl* 1920 (Vascular plants: Great Britain)

**Dick**, R. *fl* 1865 BNHPS (Vascular plants: Great Britain)

**Dickie**, George (Dr) (1812 – 1882) *fl* 1858 QUB Born and died in Aberdeen. Professor of Natural History at Queen's College, Belfast 1849 – 1860. Author of *A Flora of Ulster* (Dickie 1864). *Obituary: J. Bot. London* **21**: 30 (1888). (Algae & Vascular plants: Ireland)

**Dickin**, J. *fl* 1890 (Vascular plants: England)

**Dickson**, Carola Ivena (1900 – 1970) *fl* 1881 QUB (Vascular plants: Ireland)

**Dickson**, Joseph *fl* 1845 - 1860s (Vascular plants: England & Jersey)

**Dixon**, Hugh Noratio *fl* 1890s (Bryophytes: Scotland)

**Dod**, A.H. - *See* **Wolly-Dod**

**Donaldson**, G. of Adams, Mass. USA *fl* 1890s in Sylvanus Wear collection via BNFC (Vascular plants: Massachusetts)

**Dorfler**, I. (1866 – after 1917) (Vascular plants: foreign)

**Douglas**, D. *fl* 1877 (Vascular plants: Scotland)

**Drabble**, Eric (1877 – 1933) & **Drabble**, E. *fl* 1907 QUB (Vascular plants: England)

**Drennan**, Grace E. (Miss) *fl* 1950s - 60s A lecturer in Stranmillis Training College and one-time BSBI Recorder for Co Antrim. Her small but interesting herbarium of Irish vascular plants was donated several years after her death by Stranmillis College in about 1985. There are also specimens in the QUB herbarium.

**Druce**, George Claridge MA, FLS (1850 – 1932) QUB; BM&AG Curator of the Fielding Herbarium at Oxford. (Harrison 1983) (Vascular plants: England & Jersey)

**Drummond-Hay** Henry Maurice (1814 – 1896) *fl* 1870s BM&AG (Vascular plants: Scotland)

**Drummond**, James, Lawson (1783 – 1853). One of the small group of naturalists who formed the Belfast Natural History Society in 1821 and its first President. Author of *First Steps in Botany*. He was also one of the founders of the Belfast Botanic Gardens in 1820. (Algal specimens in herb. Templeton: Ireland)

**Drummond**, Thomas *fl* 1828 (Vascular plants: Scotland. Bryophytes: America.)

**Dryer**, W.T. *fl* 1840s BM&AG (Vascular plants: England)

**Duerden**, B. (Algae)

**Duff**, M. *fl* 1928 (Algae & Vascular plants: Ireland)

**Duncan**, J.B. (1859 – 1953) *fl* 1900s – 1930s QUB (Bryophytes: Wales. Vascular plants: England)

**Dunn**, Stephen Troyte (1868 – 1938) *fl* 1880s – 1890s QUB. Private secretary to Sir W. Thistleton-Dyer (Director of RBG Kew) 1898 – 1901; assistant in the Kew Herbarium 1901 – 1903, Superintendent, Botany and Forestry Dept. Hong Kong 1903 – 1910. Official Guide at Kew 1913 – 1915. Assistant, Kew Herbarium 1919 – 1928. (Vascular plants: England)

**Duthie**, J.F. (Mr) *fl* 1871 BNHPS (Vascular plants: Britain)

**Earll**, R. *fl* 1970 (Algae: Jamaica)

**Elliott**, W.T. *fl* 1920s (Myxophyta: England)

**Ervine** (?) *fl* 1909 (Vascular plants: Great Britain)

**Erwin**, David G. Marine zoologist. Former Keeper, Dept. of Botany and Zoology Ulster Museum. *fl* 1970 – 1990 (Algae: Ireland)

**Ewing**, P. *fl* 1907 – 1911 QUB (Vascular plants: Great Britain esp. Ben Lawers)

**Farnham**, William, F. University of Portsmouth *fl* 1970s - 1990s (Algae: England and Wales)

**Farquharson**, M. (Mrs) *fl* 1894 QUB (Algae: Great Britain)

**Fenton**, A.F.G. (Dr) (Lichens: Ireland, Great Britain, Sweden)

**Ferguson**, J. (Rev) *fl* 1866 BNFC BM&AG (Vascular plants: Ireland)

**Fisher**, H.S. (? – 1881) *fl* 1870s – 1890s QUB BM&AG (Angiosperms: Scotland and England)

**Fisher**, J.A.S. [or Jas.?] *fl* 1874 BM&AG (Vascular plants:)

**Fitzgerald**, R.W. & **Fitzgerald**, Jean D. Bryologists, latterly of Hexham, Northumberland but of Irish birth and made many visits to Ireland up to 1969. Produced a bryophyte flora of Co. Tyrone (*British Bryol. Soc.* 1960), the voucher specimens of which went to QUB. Most of their other herbarium collections are at NMW, but QUB had a substantial amount of Irish material as well. QUB (Bryophytes: Ireland)

**Fletcher**, Robert .L. (Dr) 1970s – present (Algae: England)

**Flutmacher**, E. *fl* 1876 (Vascular plants)

**Foggitt**, William (1835 – 1917) *fl* 1870s – 1890s (Vascular plants: Yorkshire)

**Foord-Kelcey**, F.L. *fl* 1904 (Vascular plants: Great Britain)

**Foran**, C.F.

**Forgitt**, J. *fl* 1870s (Vascular plants: England)

**Forsyth**, Marion S. (Miss) *fl* 1950s. See Gunning, M. S. (Mrs)

**Fortescue**, W.I. *fl* 1885 (Vascular plants: Orkney)

**Foslie**, M. *fl* c. 1880s – 1890s (Algae: foreign)

**Foster** Nevin Harkness (1858 – 1927) (Vascular plants: Ireland)

**Fowler**, T.B. *fl* 1870s BMAG (Angiosperms: England)

**Fox**, Henry Elliott (1841 – 1926) *fl* 1880s – 1910s BM&AG QUB (Vascular plants: Scotland)

**Fraser**, John *fl* 1870s (Vascular plants: England)

**Fraser**, T. QUB (Vascular plants: Scotland)

**French**, Joseph B. QUB (Vascular plants: England)

**Fryer**, Alfred *fl* 1880s – 1915 (Potamogeton: Cambridgeshire – a fine collection of replicate material)

**Griffin** III, Dana 1960s (Bryophytes and lichens: USA)

**Gardiner**, William *fl* 1840s. QUB (Bryophytes in Isaac Carroll Collection: Scotland. Pteridophyta: Scotland).

**Garbary**, D. (Algae)

**Gasking**, S. *fl* 1900s (Vascular plants: England)

**Gatty**, Margaret (née Scott) (1862 – 1873) see list of Manuscripts.

**Geary**, T.C. *fl* 1970s Veterinary surgeon. (Vascular plants: Co Antrim)

**Geldart**, Alice Mary (1862 – 1942) *fl* 1910s QUB (Vascular plants: England)

**Getty**, Dennis *fl* 1970s – 2000 Gardener, employed by QUB. (Vascular plants esp. *Epilobium*: N. Ireland)

**Getty**, John *fl* 1824 QUB (Algae: Ireland)

**Gibson**, W.G.S. *fl* 1875 (Vascular plants: England)

**Gibson**, Chris. E. (1945 – ) Algologist, DANI, specialising in freshwater planktonic studies. Organised setting up of Northern Ireland Lake Survey of 1980s. (Vascular plants: N. Ireland)

**Gifford**, Isabella (c. 1823 – 1891) (Algae & Vascular plants: England; Channel Islands)

**Gillespie**, G. (Dr) of Ballygawley *fl* 1930s; participated in F.H.W. Kerr's Flora of Co Tyrone project. (Vascular plants: Co Tyrone)

**Glorgehook**, D. (Miss) (Vascular plants)

**Glover**, J. *fl* 1900s (Bryophytes: Ireland esp. Co Down)

**Goode**, George (1858 – 1943) *fl*1880s – 1890s QUB Assistant Librarian, Cambridge University; Secretary and Editor of Watson Botanical Exchange Club 1905 – 1920 and its Treasurer 1920 – 1934. (Vascular plants: England)

**Goreau**, Tom *fl* 1961 (Algae: Jamaica)

**Goss**, H. *fl*1884 – 1890 (Vascular plants: Great Britain)

**Graham** (Mrs) *fl*1907 (Vascular plants: England esp. Cornwall)

**Grainger**, John (Rev. Canon) D.D. (1830 – 1891) *fl* 1840s, principally a geologist and archaeologist (Vascular plants: Ireland)

**Grattan**, W.H. *fl* 1873 Author of *British Marine Algae* (1874) and other works. (Algae: England)

**Gray**, James Allan (of Edinburgh) Father of Mrs Helen Dales, Scottish botanist who lived most of her life in Belfast. Specimens donated 1994 by her daughter after her death. 128 specimens collected c.1872 in Scotland. (Vascular plants: Scotland)

**Gray**, M.E. (Mrs) *fl*1979 (Vascular plants: Ireland)

**Gray**, William (? – ?) From Cork; settled in Belfast in 1862, was a member for over fifty years of the BNFC and was its secretary. (Pteridophyta: Ireland)

**Green**, Horace Edgar (1886 – 1973) (Vascular plants)

**Green**, Lena *fl* 1969 (Algae: Jamaica)

**Green**, T.P. *fl* 1859 BNHPS (Vascular plants: England esp. Cornwall)

**Green**, W.E. *fl*1877 (England)

**Greenwood**, W.J. *fl*1911 (Vascular plants: Great Britain)

**Greer**, John (Rev Dr) *fl*.?1952 - 1961 QUB (Vascular plants: Great Britain & Ireland esp. Co Antrim)

**Greer**, W.D.L. *fl*1852 – 1915 Vascular plants)

**Greeves**, J.R.H. (Lieut.-Col.) *fl* 1920s Secretary to BNHPS 1970s.

**Gregor**, Arthur George (Rev) (1867 – 1954) *fl*1910s (Vascular plants: Great Britain)

**Gregory**, Eliza Standerwick (née Barnes) *fl* 1890s QUB (Vascular plants: England)

**Greville**, Robert Kaye (Dr) (1794 – 1866) Author of *Algae Britannicae* (Algae: England & Scotland)

**Griffin**, W.H. (1841 – 1921) *fl* 1902 QUB (Vascular plants: England)

**Griffiths**, Amelia Warren (Mrs) (1768 – 1858) Corresponded with W.H. Harvey and records quoted in Gifford (1853) QUB (Algae: England)

**Griffith**, John Edward of Bangor, Caernarvonshire (1843 – 1933) *fl*1835? – 1890s QUB BM&AG (Algae, Vascular plants: England & Wales)

**Grimshaw**, James (Jr.), (1796 – 1857) Represented by specimens signed "J.G." in the twelve volumes of the bound herbarium described by Hackney (1980) and the single volume entitled Flores Hiberneci vol.1. (Hackney *op. cit.*). These volumes whose precise history is unclear were part of the Herbarium of the Belfast Natural History Society referred to in Dickie's *Flora of Ulster* (1864) and Tate's *Flora Belfastiensis*

(1863). Their chief interest is in providing early nineteenth century records for the Belfast area. Grimshaw was a member of a wealthy family of textile mill-owners, of Lancashire origin, living at Longwood, Whitehouse and one of the founders of the Belfast Botanic Gardens. He married Ellen, a sister of the Belfast naturalist John Templeton. (Vascular plants: Belfast area)

**Groves**, Henry FLS (1855 – 1912) *fl* 1870s – 1890s (Algae: Great Britain and Italy. Vascular plants: England & foreign)

**Groves**, James (1858 – 1933) *fl* 1877 – 1880s BM&AG (Vascular plants: England)

**Guiry**, Michael D. Professor in University College, Galway. Algologist. *fl* 1960s onwards. Author of numerous books and papers. One of the collectors represented in algal Collection 29 (*q.v.* above) (Algae: Ireland)

**Guiton**, Stanley *fl* 1900 QUB (Vascular plants: Jersey)

**Gulson** (Mrs) (? – 1871) (Algae: England)

**Gunn**, Ronald Campbell (1808 – 1881) (Algae: Tasmania)

**Gunn**, W.F. *fl* c.1918 (Myxomycetes: Ireland)

**Gunning**, Brian E.S. (Prof) Plant anatomist at QUB, personal chair from c.1970. Shortly after emigrated to Australia. *fl* 1950s. Collected plants in company with J.S. Pate (*q.v.*) QUB (Vascular plants: Northern Ireland)

**Gunning**, Marion S. (Mrs), née Forsyth. Wife of Brian. E.S. Gunning. Former member of staff of BM&AG. QUB BM&AG (Vascular plants: Ireland)

**Hackney**, Catherine Ruth (Mrs) *see* Tyrie, Catherine Ruth

**Hackney**, Paul (1945 – ) *fl* 1967 – onwards. Born Manchester. On staff of Liverpool City Museums 1966 – 1968, Ulster Museum from November 1968 (Keeper of Botany 1994 –). BSBI recorder for Co Down 1970 – 2000. Many specimens of vascular plants and bryophytes from N. Ireland. Also some from Lancashire, North Wales, Scotland. Author of third edition of *Stewart & Corry's Flora of the North-east of Ireland*. (Hackney 1992) and other works. (Algae, vascular plants, lichens, bryophytes: Great Britain, esp. Lancashire and Caernarvonshire & Ireland esp. Cos Down, Antrim)

**Hall**, Allan B. *fl* 1893 (Vascular plants: Great Britain)

**Hanbury**, Frederick Janson (1851 – 1938) *fl* 1890s BNFC (Vascular plants esp. *Hieracium*: Scotland)

**Hanbury**, F.A. [the same?] *fl* 1867 BNHPS (Vascular plants: England)

**Hadden**, R.E. in Bennett Collection *fl* 1915 (Vascular plants: Ireland)

**Hanna**, Henry *fl* 1890s BNFC *see* *Ir. Nat.* **8**: 155-156. All of the algae are from [Inish]Bofin – there are two Inishbofins, one in Co Donegal and one in Co Galway and there may be confusion as to which he refers. However one specimen clearly indicates Co Galway, and it is considered that the others are also from the Co Galway island. Hanna appears to have visited Achill Island (Co Mayo) and Torr Head (Co Antrim) in April 1898 and at Roundstone, Co Galway in April 1899. (The “H.H.” that appears on the sheets was written by another hand.) (Algae, vascular plants: Ireland)

**Hanna**, R. *fl* 1900s BM&AG (Vascular plants: Ireland)

**Hardy**, C. pre-1866 (Pteridophyta: New Zealand)

**Hardy**, John *fl* 1840s – 1870s QUB (Vascular plants: England esp. Cheshire)

**Harron**, John of Helens Bay, Co Down *fl* 1968 onwards. Expert and prolific amateur botanist. Author of a *Flora of Lough Neagh* (Harron 1986) *fl* 1971 (Vascular plants: Ireland)

**Hartlog** (Miss) (Algae, vascular plants: England)

**Harvey**, William Henry (1811 – 1866). Born in Limerick and died in Torquay. One of the most important phycologists in the world to date. Professor of Botany at the Royal Dublin Society and Trinity College, Dublin. He travelled the world collecting, describing and naming new species: South Africa (1835 – 1842), eastern America (1849 – 1850) and Ceylon, Western Australia, Tasmania and the Friendly Islands (1853 – 1856) as well as Ireland. Among his major works were:- the three-volume *Nereis Boreali-Americana* (1852 – 1858) (Morton 1981a); the four-volume *Phycologia Britannica* (1846 – 1850); *A Manual of the British Marine Algae* (1849) and the three-volume *Nereis Australia* (1858 – 1863). These works are fundamental to the study of the algae of these areas. His primary collection is in **TCD**.

**BEL** contains over 572 specimens collected by him from Ceylon, Friendly Isles, Australia and Tasmania, as well as Ireland. Many specimens named by him are to be found in other collections e.g. algal Collections 10, 11, 13.

(Algae: British Isles, eastern N. America, Ceylon, Australia, Tasmania, Friendly Isles)

**Haslam**, Samuel Holker (Vascular plants: England)

**Hayward**, W.R. *fl* 1860s BNHPS (Vascular plants: England)

**Hayward** Ida Margaret (1872 – 1949) *fl* 1900s - 1910s QUB (Vascular plants: Scotland; Channel Islands)

**Helap**, M.P. *fl* 1919

**Herdman**, Alexander F. (? – 1863) The first Treasurer of the BNFC; died towards the middle of the Club's first year. (Vascular plants: Ireland)

**Heslop** (Miss) (Algae: England and Isle of Man)

**Heslop-Harrison, John** (1881? -1998) *fl* 1940s QUB For a short time c.1950 lectured in Botany at QUB and editor of the *Irish Naturalists' Journal*. Vascular plant specimens from Hebrides and Scandinavia. Responsible for the removal of Templeton's *Rosa x hibernica* from near Holywood to the QUB experimental gardens where it flourished until removed recently to the Botanic Gardens. (Vascular plants: Scandinavia, Hebrides)

**Hiern**, William Phillip FLS (1839 – 1925) *fl* 1860s BM&AG. Studied Devon flora after he moved to Barnstaple in 1882. (Vascular plants: England)

**Higgins**, D. Martha (c.1856 - 1920) *fl* 1890s – 1910s QUB (Vascular plants: England)

**Higgins**, E.K. *fl* 1906 – 1915 QUB (Vascular plants: England)

**Hill**, R.D. (Vascular plants: Ireland)



**Hill, R.S.** *fl*1870 QUB (Vascular plants: England)

**Hillhouse, W.** *fl* 1881 (Vascular plants)

**Hillyer, M.** *fl* 1886 BM&AG (Vascular plants: Great Britain)

**Hilton, T.** *fl*1900 (Vascular plants: Great Britain)

**Hincks, Hannah** (1798 – 1871) of Belfast; corresponded with William Henry Harvey who named *Ectocarpus hincksiae* for her. Mentioned in Gifford (1853). (Algae, Ireland)

**Hincks, William (Rev)** (1794 – 1871) (Vascular plants: England)

**Hind, William Marsden LLD** (1812 – 1892) *fl* 1880s – 1890s QUB BM&AG (Vascular plants: Great Britain)

**Hobkirk, C.C.P.** *fl*1871 (Vascular plants)

**Hodgson (Miss)** (Algae: England)

**Holmes, Edward Morell (Rev)** (1843 – 1930) *fl* 1870s – 1880s QUB Lecturer in Botany, Westminster Hospital School 1873 – 1876. Lecturer in Materia Medica, Pharmaceutical Society 1887 – 1890. Curator of Museum at Pharmaceutical Society 1872 – 1922 and Emeritus Curator 1922 – 1930. Specialist on lichens and algae. (Furley 1989)(Algae, vascular plants: England)

**Holmes, K.** *fl*1980 QUB (Algae: England)

**Holt, George Alfred** *fl*1880s (Vascular plants)

**Hooper, Robert** (1773 – 1786)

**Hopkins** *fl*1867 (Angiosperms: England)

**Hore, William Strong** (1807 – 1882) QUB (Algae: England)

**Horwood, Arthur Reginald** (1879 – 1937) *fl*1905 – 1909 QUB (Vascular plants: England)

**Hore, William Strong (Rev)** (1807 – 1882) QUB (Algae: England)

**Horn, G.** *fl*1870s BM&AG (Vascular plants: England & Scotland)

**Hosking, A. (Rev)** *fl*1880s - 1900s QUB (Vascular plants: England)

**Houston, Joan (Mrs)** (1927 – 1998) Collected and donated lichens to Ulster Museum. Keen amateur botanist and voluntary worker in the Ulster Museum. (Lichens: Ireland)

**Howard, H.J.** *fl*1920 (Myxomycetes: England)

**Houston, James Dick** *fl* 1910 – 1936 Sphagnaceae, NE Ireland 1936 – 7, donated by C.D. Chase 1937. Redetermined by E.M. Lobley c.1970. (see Lobley, 1970). (Bryophytes esp. *Sphagnum*: N. Ireland)

**Howson, Christine M.** *fl* 1980s onwards. Diver and marine biologist, attached to Ulster Museum for a period. Publications include Maggs & Howson (undated). (Algae: Ireland)

**Hume, A.O.** *fl*1902 (Algae: Britain)

**Hunter, R.** (1834 – c.1908) (Vascular plants: foreign)

**Hunnyburn**, E.W. [?] *fl* 1909 (Vascular plants)

**Hunt**, G.E. (1841? – 1873) (Vascular plants: foreign)

**Hurst**, C. (P.) *fl* 1901

**Hurst**, Henry Alexander (c.1825 – 1882) *fl* 1870s. In herb. C. Bailey. (Vascular plants: England & Egypt)

**Huter**, R. (1834 – c.1908) In herb C. Bailey. (Vascular plants: France, Germany, Italy, Austria etc)

**Hutchins**, Ellen (Miss) (1785 – 1815) (Algae: Ireland)

**Hutton**, A. (Bryophytes: England)

**Hyndman**, George Crawford (1796 – 1867) *fl* 1820s – 1844. One of the founder members of the BNHPS in 1821. Many specimens have not been signed or initialled by Hyndman but are believed to be his, incl. some sheets mis-labelled “Herdman” by M.P.H. Kertland. (Algae, vascular plants: Ireland incl. Tory Island)

**Ibbotson**, Henry (1814 – 1886) *fl* 1830s – 1860s QUB Schoolmaster at Granthorpe near Malton, Yorkshire. Sold dried plants. (Vascular plants: Yorkshire)

**Ingham**, W. *fl* 1880s – 1915 (Bryophytes, vascular plants: England)

**Irvine**, David Eward Guthrie (1924 – 1995) *fl* 1950s – 1980s. Many publications including Irvine (1982). *Obituary*: Fletcher (1996). (Algae: Scotland)

**Irvine**, Linda M. *fl* 1960s – 1990s. On staff of BM (Nat. Hist.). See Irvine (1983, 1994.) Donated and determined many specimens for **BEL**. (Algae: Great Britain)

**Irwin**, A.M. *fl* 1948 Small collection donated by Mrs Constance Irwin of Craigavad c. 1975. (Vascular plants: N. Ireland)

**Irwin**, I.M.C. *fl* 1957 – 1979 QUB (Vascular plants: Ireland)

**Jacket Hunter**, R. (1834 – c.1908) (Vascular plants: foreign)

**Jackett**, R. *fl* 1910 – 1920 (Bryophytes: Wales)

**Jackson**, A.B. *fl* 1900 – 1904 (Vascular plants: England)

**Jagoe**, Pat. (Ms) *fl* 1950s QUB (Vascular plants: Scotland)

**Jenner**, J.H.A. *fl* 1850s – 1900s (Vascular plants: England)

**Jones**, Eifion *fl* 1950s – 1980s Lecturer in Botany, University College of North Wales, Bangor (Algae: England)

**Jones**, Daniel Angell (1861 – 1936) *fl* 1920s. Of Bryteg, Wrexham. Treasurer of the British Bryological Society. Acquaintance of D.B. Bradshaw and many specimens in the Bradshaw bryophyte collection. (Bryophytes: esp. Wales)

**Kane**, R. de V. (Vascular plants: foreign)

**Karo**, F. (1845 – ?) (Vascular plants: foreign)

**Keddie**, W. (Mr.) (Algae: Scottish & foreign)

**Kerr**, Frederick Hugh Woodhams (Rev) (1885 – 1958) *fl* 1929 - 1948 QUB (ex Armagh County Museum) Biographical notes from Dr G. Gillespie of Ballygawley, Co. Tyrone are on file in **BEL**. He was ordained into the Anglican Church in 1907

and after serving as a curate in England he went to India as a missionary, and later served in Italy as an army chaplain during World War I. After the war he returned to India, where he married the daughter of the Rev. Joseph Chamney of Dromiskin, Co. Louth. The Kerrs returned from India in 1928 and he was appointed to the Parish of Arboe on the shores of Lough Neagh. Sometime in the late summer of 1937 a group of Tyrone amateur field botanists centred around Kerr commenced a Flora of Tyrone project, which resulted in an unpublished MS *Flora* (copy of this in **BEL**). After his wife's death he returned to India where he died in 1958. (Vascular plants: Ireland; Chotah Nagpur, India)

**Kertland**, Mary Patricia Happer (Miss) (1901 – 1991) Graduate of QUB; MSc on The ecology of Divis. Junior Lecturer in botany at QUB 1938 – 1948. Curator of the QUB herbarium from 1948 – 1967. Editor of the *Irish Naturalists' Journal* for many years. Many vascular plants specimens in the collection from Ireland, Scotland, East Africa and North America, also many bryophytes from Ireland (very friendly with Mr & Mrs Fitzgerald). The QUB Herbarium was passed to the Ulster Museum in 1968. See Kertland (1972). *Obituary* by Boyd (1991). QUB (Algae, vascular plants: Ireland, Great Britain, N. America, Africa)

**Kidston**, Robert. (1852 – 1924) *fl* 1880s – 1890s (Vascular plants: England esp. Kent)

**King**, B. *fl* 1880 (Vascular plants)

**King**, M. (poss. Mark King 1828 – 1901) *fl* 1880s – 1890s BM&AG (Vascular plants: England)

**Kirk**, John *fl* 1971 Staff member of **BEL**: discovered *Groenlandia densa* in Co Antrim (Vascular plants: N. Ireland)

**Knight**, Henry Herbert MA, FLS *fl* 1920 – 1930s Born in Shropshire and died in Gloucestershire; spent twenty years as a Mathematics teacher at the Llandovery School. (Harrison 1982). (Bryophytes: West of England)

**Knowles**, Matilda Cullen (1864 – 1933) BNFC. One of Ireland's foremost naturalists. (Vascular plants: Ireland)

**Kützing**, Friedrich Traugott (1807 – 1893) (Algae: foreign)

**Lamb**, D. (Vascular plants)

**Lamb**, Henry *f* 1887 BNFC (Vascular plants: England)

**Lambert**, Doreen S. (1915 – 1996) *fl* 1967 – 1992. Resident for many years at Castlerock and was BSBI County Recorder for Londonderry and Tyrone at time of her death. Collaborated with M.P.H. Kertland on a *Second Supplement to Stewart & Corry's Flora of the North-east of Ireland* (Kertland 1972), and with P. Hackney on the third edition of *Stewart & Corry's Flora of the North-east of Ireland* (Hackney 1992). A good plant illustrator (collection of her watercolours is in **BEL**, none is published); excellent field botanist with a good eye for *Taraxacum* species and hybrids of all sorts. Produced a typescript Flora of Tyrone (unpublished). *Obituary*: Hackney (1998). (Vascular plants: Ireland)

**Lawson**, G. (Vascular plants)

**Landsborough** D. (Rev.) (c.1826 – 1912) QUB (Vascular plants: Ireland and England)

**Lanyon**, W.O. *fl*1800s (Pteridophyta: Jamaica)

**Ledsham**, David. Originally from Denbighshire. Teacher at Belfast Art College from c. 1972 onwards (retired c.1995). Amateur botanist and horticulturist with particular interest in *Carex*. (Vascular plants esp. *Carex*: Ireland)

**Leebody**, Mary Elizabeth (Mrs) (? – 1911) *fl* 1893 – 1904. Wife of Professor Leebody of Magee College, a mathematician. Discoverer of *Spiranthes romanzoffiana* in its first north of Ireland station at Kilrea. Acquaintance of Robert Ll. Praeger. BM&AG (Vascular plants: Ireland)

**Lees**, Frederick Arnold (Dr) (1847 – 1921) *fl*1870s – 1880s BNHPS BM&AG QUB (Vascular plants: England & Wales)

**Lee**, J.R. *fl* 1920s (Bryophytes: Scotland, Northern England)

**Lester**, L.V. In herb C. Bailey *fl* 1895 – 1902 (Vascular plants: England & Jersey)

**Lett**, Henry William (Canon) (1836 – 1920) QUB. Rector of Aghaderg near Loughbrickland, Co. Down for many years. Specialist in *Rubus* and an expert bryologist. *See* Praeger (1949) (Algae, bryophytes and vascular plants: Ireland)

**Levier**, E. (1838 – 1912) (Vascular plants: foreign)

**Levinge**, H.C. *fl* 1892 QUB (Vascular plants: Ireland)

**Lewis**, John Harbord (? – 1895) *fl*1875 – 1880s QUB Born and died in Herefordshire. (Vascular plants, mainly *Hieracium*: Great Britain)

**Ley**, Augustin (Rev) (1842 – 1911) *fl* 1874 – 1910 QUB BM&AG Vicar of Sellack; part author of *Flora of Herefordshire* (1889). (Vascular plants: England, Wales & foreign)

**Lillebury**, H.C. *fl*1915 – 1918 QUB (Vascular plants: England)

**Lilly**, A.D. *fl* 1910s (Algae: England)

**Lindsey**, W.L. *fl*1849

**Lingwood**, Robert Maulkin (Vascular plants: England)

**Link** R.F.? [RFL] *fl*1878 (Vascular plants)

**Linton**, Edward Francis MA (1848 – 1928) *fl* 1880 - 1920 QUB Born in Diddington, Huntingdonshire, died Southborne, Hampshire. Prolific collector, with his younger brother, William Richardson Linton. In herb C. Bailey. Specimens are all (?) from Great Britain including many *Hieracia*. **BEL** contains two exsiccatae: a [Set of British Hieracia](#) by the two Linton Brothers and a [Set of British Rubi](#) (1892 – 1895) by the two Linton Brothers, R.P. Murray and W. Moyle Rogers. (Vascular plants: England - Surrey; IOW)

**Linton**, William Richardson (Rev) (1850 – 1908) *fl*1870s –1904 QUB BM&AG. Born Diddington, Huntingdonshire, died Shirley, Derbyshire. Botanised and collected extensively, with his older brother Edward Francis Linton. Specimens are all (?) from Great Britain, including many *Hieracia*. (Vascular plants: Ireland and Great Britain)

**Little**, Joseph Edward *fl*1913 – 1914 QUB (Vascular plants: England)

**Livens**, H.M. A MS list of his specimens in **BEL** was compiled in 1990. Acquired as part of the QUB herbarium. An English Lichenologist of the early 20th Century. The

whereabouts of his collection was unknown until discovered in the Herbarium by Professor Seaward in 1991. 146 specimens on 115 sheets and 7 packets. Amalgamated with the main collection in 1997. Provenance of specimens is mainly southern Great Britain. Also a few bryophytes in the bryophyte collection. Retired to live in Newcastle Co Down. (Lichens and a few bryophytes: southern England)

**Lobley**, E.M. (Miss) *fl* 1950s – 1960s QUB; also dot. *Sphagnum* specimens from N. Ireland 1960s. (Bryophytes: England & Ireland)

**Lomax**, Elizabeth Anne (Mrs) *fl* 1872 – 1885 QUB BM&AG (Vascular plants: England esp. Cornwall)

**Lowe**, H. E. *fl* 1836 (Vascular plants: Great Britain)

**Loydell** . A. *fl* 1849 – 1910

**Lucas**, T.P. *fl* 1860s (Vascular plants: England)

**Lum Hunter**, R. (1834 – c.1908) (Vascular plants: foreign)

**Lumb**, C. *fl* 1983 QUB (Algae: Wales)

**Lumb**, Dennis (1871 – 1951) *fl* 1910s QUB (Vascular plants: England)

**Lyall**, David (1817 – 1895) *fl* 1840s MD at Aberdeen; Assistant Surgeon on HMS Terror on Ross's Antarctic Voyage of 1839 – 1842 (Ross 1982). Surgeon/naturalist on HMS Acheron in New Zealand. Surgeon/Naturalist on HMS Assistance in Arctic 1852. On British Columbia Boundary Commission 1858 – 1861. Collected plants in the Antarctic, Australia, New Zealand, Norfolk Island and elsewhere. (Algae: Malta and New Zealand)

**Lynch**, Richard Irwin (1850 – 1924) *fl* 1890s QUB BNFC Gardener at Kew. Curator of Cambridge Botanic Gardens 1879 – 1919. (Angiosperms: Channel Islands)

[**Lyne**, J. [T.] [or **Lyme** 1848 H74031] *fl* 1851 (Vascular plants)]

**M'Calla**, William (c.1814 – 1849) *fl* 1840s QUB. Discoverer of *Erica mackaiana*. Algal records in Harvey (1849 and 1846 - 1851). Algal specimens in album remounted as algal collection 28. See Eager & Scannell (1981). (Algae & vascular plants: Ireland)

**McArdle**, David (1849 – 1934) (Vascular plants: Ireland)

**McCallum-Webster**, Mary *fl* 1960s (Vascular plants esp. wool aliens: Scotland and England)

**McClintock**, Admiral Sir Francis Leopold (1819 – 1907), About 80 sheets catalogued as a batch collection under H70804. Born Dundalk; died London. Arctic explorer who made several voyages to the Canadian Arctic in search of the lost expedition of Sir John Franklin. Collected many specimens on these voyages, zoological, geological and botanical. The last only are in the Ulster Museum, purchased from his grandson Mr John McClintock in the 1970s. They comprise mostly algae, flowering plants and lichens. He was accompanied on his last Canadian Arctic voyage by Dr David Walker (*q.v.*). See Hackney 1997. (Algae, bryophytes, lichens and vascular plants: Greenland and eastern Canadian Arctic Archipelago)

**McConnell**, Alice (? – c. 1990) *fl* 1978 – 1985 (Vascular plants: Co Londonderry)

[McConnell, F - are there two McConnells? see:- H6803 & H42848]

**Macreight**, Daniel Chambers (Vascular plants: England)

**McGee**, W.R.A. (Vascular plants: Ireland)

**McIvor**, W. *fl*1846 (Vascular plants)

**McKay**, Richard *fl*1870s BNFC BM&AG (Angiosperms: Scotland)

**Macvicar**, Symes Macdonald *fl* 1890s. Chiefly known as author of *The Student's Handbook of British Hepatics* (1926). (Algae, bryophytes, vascular plants: Scotland)

**Maffett**, Isabella (Miss) (1842 - 1907) *fl* 1874 (Vascular plants: Isle of Wight)

**Maggs**, Christine A. *f* 1980 onwards; staff member of QUB. World expert on the Ceramiales. *Gelidium maggsiae* named after her (Rico & Guiry 1977). (Algae: Ireland, Great Britain & foreign)

**Mahony**, James A. *fl*1850s – 1880s (Algae: Scotland; Ireland)

**Marasoon** (Mrs) *fl* 1898

**Marquand** Cecil Victor Boley (1897 –1943) (Vascular plants: Great Britain)

**Marquand**, E.D. *fl* 1880 BM&AG (Vascular plants)

**Marshall**, Edward Shearburn (Rev) (1858 – 1919) *fl* 1880 –1910s QUB BM&AG. Born London, died Gloucestershire. Specimens of vascular plants from Great Britain acquired by exchange through the botanical exchange clubs. (Algae, vascular plants: Ireland, Scotland, England)

**Marshall**, J.B. *fl*1963 (Vascular plants)

**Marshall**, Mary P. *fl* 1847 (Vascular plants)

**Mateer**, W. *fl* 1830s – 1840s (Vascular plants: Ireland)

**Martindale**, Joseph Anthony (1837 – 1914) *fl*1890sQUB (Vascular plants: England)

**Mateer**, William. Professor of Botany, Belfast Academical Institution *fl*1830s – 1840s (Vascular plants: Ireland)

[May, Valerie (Vascular plants )

**Megaw**, Helen Dick (Dr) Crystallographer, on staff of the Cavendish laboratory, retired to Ballycastle, Co Antrim (her home town) to live with her sister. *fl* 1980s (Vascular plants: N. Ireland esp. north-eastern Co Antrim)

**Megaw**, William Rutledge (1885 – 1953) *fl* 1910s – 1950. Presbyterian minister at Newtownbreda near Belfast from 1919. Bryologist. Active participant on many British Bryological field meetings in Great Britain. Co-author with Praeger of a second edition of Stewart and Corry's *Flora of the North-east of Ireland* (Praeger & Megaw 1938) and responsible for the bryophyte section of that work. *Obituary*: by Chase 1954 *Ir. Nat J.* **11**: 181 – 183 (Bryophytes, algae, vascular plants: Ireland & Great Britain).

**Meikle**, Carola Ivena (née Dickinson) (1900 - 1970) *fl* 1920s – 1950s (Algae: Great Britain)

**Meikle**, Robert Desmond (1923 – ) *fl* 1945 – 1949. Born Newtownards. Specimens collected in Fermanagh and other parts of N. Ireland c.1945 – 1949 mostly in company with E.N. Carrothers, J. McK. Moon and R.C. Davidson. Co-discoverer of

*Hierochloë odorata* at Selshan on L Neagh. On staff of Kew herbarium (**K**) from 1946. After retirement lives in Somerset. Expert on *Salix* and author of a BSBI handbook on this group (Meikle 1984). (Vascular plants: N. Ireland)

**Melville**, James Cosmo FLS (1845 – 1929) *fl* 1870s - 1910s Conchologist and botanist. QUB BM&AG (Vascular plants: Great Britain, Channel Islands)

**Melvin**, Arthur. D. *fl* 1860s - 1880s BNHPS BM&AG (Vascular plants: England & Wales)

**Melvin**, M. (Vascular plants)

**Mercer**, G.E. *fl* 1911 (Vascular plants: England)

**Metcalfe**, P.E.P. *fl* 1930s – 1950s QUB (Vascular plants: Ireland)

**Milner**, Edith *fl* 1870s – 1880s QUB (Vascular plants: England)

**Minchin**, Daniel de Courcey *fl* 1968 onwards (Algae & Vascular plants: Ireland)

**Mitchel**, David *fl* 1990s onwards. Environment & Heritage Service of Dept. of the Environment (NI). (Fungi: Scotland and N. Ireland)

**Mitchell**, James (Vascular plants: England)

**Monthier**, P. (*fl* 1880) (Vascular plants: foreign)

**Mouillefarine**, E. (of Paris) *fl* 1870 – 1890 (Vascular plants: foreign)

**Moon**, John McKay (1901 – 1960) *fl* 1940s -1950s QUB. Born in Portrush. Teacher. President of BNFC 1948-1949. Collaborated with Meikle and Carrothers in botanical explorations of Fermanagh and north-east Ireland. *Obituary*: in *Ir. Nat. J.* **13**: 217 – 220 with portrait (partly by J. Heslop-Harrison). (Vascular plants: Ireland)

**Moore**, David (1807 – 1879) *fl* 1837 – 1847 QUB BNHPS. Born in Dundee as David Muir. Died Glasnevin. Collected in the north-east of Ireland, especially Cos Antrim and Londonderry between about 1832 and 1837 whilst employed as a botanist on staff of Ordnance Survey. Specimens mostly at **DBN**, but a few in **BEL** (Praeger 1935). (Algae & vascular plants: Ireland)

**Moore**, Jenny A. *fl* 1970s onwards. See Moore (1986). (Charophytes: Great Britain)

**More**, Alexander Goodman (1830 – 1895) *fl* 1855 – 1869 BNFC BM&AG. Born in London. On staff of Natural History Museum in Dublin from 1867. Died Dublin 1895. Collaborated with David Moore on *Cybele Hibernica* (Moore and More 1867). Most specimens are at Glasnevin (**DBN**), but some in **BEL**. (Vascular plants: England, esp. Isle of Wight)

**Morrison**, M.E.S. (19?? – 1970) Pupil of M.P.H. Kertland. Murdered on last trip to Africa. QUB, labelled by Kertland. (Vascular plants: Africa, N. America)

**Morton**, O. FLS (1945 –) *fl* 1968 onwards. Graduated from TCD 1969 and after a short period of research in University College of North Wales, joined staff of Doncaster Museum. Joined staff of Ulster Museum 1975. Collection 25 (DB 1981-60) is a donation of the best algal specimens collected before 1970; flowering plants and mosses also donated. Considerable algal additions to **BEL** made whilst employed in the Ulster Museum. See Morton (1994). (Algae: Ireland, esp. N. Ireland and Donegal; also Scotland & Wales)

**Moss**, C.E. *fl* 1910 (Vascular plants: England)

**Mott**, F.T. *fl* 1895 (Vascular plants)

**Mouillefanine**, E. of Paris. *fl* 1870 – 1890 (Vascular plants: foreign)

**Mountfort**, Charles Clayton (? – 1960) *fl* 1908 (Vascular plants: England)

**von Mueller**, Sir Ferdinand Jakob Heinrich (1825 – 1896) Went to Australia in 1847; Government Botanist of Victoria 1852. Botanist to A.C. Gregory's expedition in search of Leichardt 1855. Director, Melbourne Botanic Garden 1857 – 1873. President of Australian Association for the Advancement of Science 1890. See list of Manuscripts.

**Murr**, J. (1864 – 1932) (Vascular plants: foreign)

**Murphy**, S. *fl* 1986 (Algae: Ireland)

**Neave**, J.T. *fl* 1892 (Algae: England)

**Nelson**, E. Charles (Dr) Contributions to **BEL** date from 1970s, but subsequently he was appointed to post of Taxonomist at Glasnevin. Author of many books on Irish horticultural botany. (Vascular plants: Ireland esp. survey of Banagher Glen nature reserve)

**Newton**, Alan. Visited N. Ireland August 1985 and, in company with Paul Hackney, collected many *Rubus* specimens from Cos Tyrone, Armagh, Londonderry, Antrim, Down and Monaghan, duplicates of which are in **BEL**. (*Rubus*: N. Ireland)

**Newbold**, Jo. P. (Mrs) Wife of Prof. Palmer J. Newbold; friend of Doreen S. Lambert. Particular interest in pteridophytes; *fl* 1970s – 1990s. (Vascular plants: Ireland)

**Nicholson**, George *fl* 1870s – 1880s QUB BNFC BM&AG (Vascular plants: England esp. Surrey)

**Nicholson**, W.E. *fl* 1900s – 1910s (Bryophytes: England, Europe). Some in Parker bryophyte herbarium.

**Notcutt**, William Crompton (Rev) (1869 – 1938) *fl* 1840s – 1860s (Vascular plants: Isle of Man. Bryophytes: England)

**Northern Ireland Lake Survey 1988 – 91** A comprehensive collection of an estimated 2,000 voucher specimens collected as a result of sampling all of Northern Ireland's Lakes. Especially important for species of *Potamogeton* (named by C.D. Preston). Steve Smith, Shaun Wolfe-Murphy and other collectors. Specimens, donated to Ulster Museum in batches up to 1992. The 1991 season concentrated on the larger lakes which were omitted in the earlier part of the scheme. Charophytes named by Jenny Moore of **BM**.

**Northridge**, Robert *fl* 1996 onwards (Vascular plants: Fermanagh)

**Nowell**, J. (1801 – 1867) (Bryophytes: England)

**Nunn**, Julia (Dr) *fl* 1994 onwards. Staff of Ulster Museum from 1994. (Algae: Ireland)

**O'Brien**, R. Donagh *fl* 1905 (Vascular plants)

**O'Mahony** Tony *fl* 1980s – 1990s. Exchange/donation ex **DBN**. (Vascular plants: Ireland)



**Öpik**, H. (Miss) *fl* 1950s QUB (Vascular plants: Ireland)

**Opiz**, M.P. (1787 –1858) (Vascular plants: foreign)

**Orr**, David (1818 – 1890 or 1892) of Belfast, later employed at Glasnevin (Bryophytes: Ireland)

**Orr**, W.T. *fl*1912 (Vascular plants)

**Pagan**, J. *fl*1870 BNHPS

**Painter**, William Hunt (Rev) (1835 – 1910) *fl* 1870s – 1900s QUB in herb C. Bailey (Vascular plants: England esp. Devon)

**Palmer**, C.E. *fl*1894 – 1903 QUB (Vascular plants: England)

[**Parker**, Erne (Eyre?) *fl* c.1847 (Vascular plants: Devon)]

**Parker**, R.E. *fl* 1950s. Educated at Cambridge University and UCNW (Bangor) but spent most of his academic working life as a lecturer in Botany and Ecology at QUB. Retired c.1988. Donated his bryophyte herbarium 1990 and his vascular plant herbarium shortly afterwards. The bryophyte collection is not yet incorporated into the main herbarium. It contains many continental specimens acquired by exchange. (Bryophytes, vascular plants: Sweden, Continental Europe, Ireland, Great Britain esp. N. Wales, Cambridgeshire, Scottish Highlands)

**Parkinson**, E.M. (Miss) *fl*1918 (Vascular plants)

**Partridge**, Karl (Dr). Environmental consultant *fl*1990s onwards (Algae & Vascular plants: Ireland)

**Pate**, J. S. (Prof.) Plant physiologist at QUB 1950s – 1970s. Botanised with B.E.S. Gunning. QUB (Vascular plants: N. Ireland)

**Payne**, S.M. (Miss) *fl*1872 BNHPS (Vascular plants: Great Britain)

**Pearsall**, W.H. *fl*1917 (Vascular plants: England)

**Penson**, J.H. *fl* 1950s; botany student at QUB. QUB (Vascular plants esp. pteridophytes: Belfast area)

**Percy**, L.M. (Angiosperms: England)

**Perring**, Franklyn H. (Dr) *fl* 1960s (Vascular plants: Ireland)

**Phillips**, William Henry (1830 – 1923) Pteridologist and horticulturist, with an extensive living collection of fern cultivars at his home, Lemonfield, in Holywood, Co. Down. President of the British Pteridological Society 1904 – 1905. Founder member of BNFC and its President for two years 1905 – 1907. A collection of fern cultivar specimens is in **BEL**. Photographic portraits in Ulster Museum. See Hackney & Pollock (1998) (Pteridophytes: Ireland and horticultural varieties)

**Picton**, Bernard E. *fl* 1970s onwards; Ulster Museum staff member, marine zoologist and diver. (Algae: Ireland)

**Picton**, Jill (Mrs) Wife of Bernard E. Picton. *fl*1982 (Algae: Ireland)

**Pilcher**, Barbara, E. (Mrs) (Née Scott) Wife of Prof Jonathan Pilcher of QUB's Palaeoecology Laboratory. Botanist on UM staff 1966 – 68. (Lichens: Ireland and Great Britain; vascular plants: N. Ireland)

**Piper**, Raymond of Belfast. Botanical artist with special interest in native orchids; *fl* 1960s onwards (Vascular plants: Ireland)

**Platts**, Elizabeth (Mrs) of Belfast, special interest in nudibranchs, *fl* 1970s (Algae: Ireland)

**Playfair**, D.T. (Dr) *fl* 1890s QUB (Vascular plants: England, Guernsey)

**Porta**, P. 1832 – after 1913 and **Rigo**, G 1841 – after 1900 collected plants together: in C. Bailey herbarium QUB (Vascular plants: Tyrol, Balearic Islands, Spain)

**Portexfen**, John Hutton (Rev) (1813 – 1899 ) (Algae: Scotland)

**Powell**, J.T. *fl* 1890s QUB (Vascular plants: England)

**Praeger**, Robert Lloyd (1865 – 1953) QUB BNFC BNHPS BM&AG also ex **DBN**. Born in Holywood, Co Down, died in Dublin. Originally a professional engineer, but became a professional librarian, being on the staff of the National Library of Ireland from 1893, from 1920 as the Librarian. Co-founder of *The Irish Naturalist*, amateur botanist and naturalist. The collections acquired from BNFC include a collection of flowers which he made on a BNFC excursion to the Mourne Mountains in 1887 and for which he gained a club prize. Many other specimens are in the herbarium, many being vouchers for his second edition of Stewart & Corry's *Flora of the North-east of Ireland* (Praeger and Megaw 1938. President of the Royal Irish Academy 1931 – 1934. Author of *Irish Topographical Botany* (1901), *The Botanist in Ireland* (1934) and many other books and articles: the best known Irish botanist of his time. (Charophytes, vascular plants: Ireland; England esp. Cumbria). See Collins (1985); Lysaght (1998).

**Proctor**, James *fl* 1970 (Algae: Jamaica)

**Proctor**, M.C.F. 1950s in Parker bryophyte herbarium (Bryophytes: Great Britain)

**Preston**, T.A. [J.A.?] *fl* 1901 (Vascular plants:

**Preston**, Christopher D. Member of the staff at the Biological Records Centre, Monks Wood, Huntingdon. Authority on aquatic vascular plants especially *Potamogeton* spp. Relatively few specimens collected by Preston in **BEL**, but many determined by him, especially the N.I. Lake Survey 1988 – 1991. (Aquatic vascular plants: Ireland)

**Prichard**, N.M. *fl* 1850s QUB (Angiosperms: Scotland)

**Proctor**, George, R. *fl* 1962 (Algae: Jamaica)

**Pugh**, M. *fl* 1967 QUB (Vascular plants: Ireland)

**Pugsley**, H.W. *fl* 1930s . Expert on *Hieracium* and *Fumaria*. (Vascular plants: Great Britain)

**Pyne**, S.M. *fl* 1875 (Angiosperms: England)

**Robertson**, David (LLD, FLS) (1806 – 1896) Married to Hanna and lived in Millport on the Clyde. Both were experts on algae and corresponded with Holmes (Furley 1989). (Algae, a few specimens)

**Rabenhorst**, L. QUB (Vascular plants: no location)

**Railston**, F. *fl* 1918 (Vascular plants)

**Ralfs**, John (1807 – 1890) (Algae: England)

**Ratcliffe**, D.A. 1950s (Bryophytes: Great Britain) in Parker bryophyte herbarium.

**Rayner**, John Frederick *fl*1907 QUB (Vascular plants: England)

**Rea**, Margaret Williamson (Miss) (1875 –?) *fl* c.1914 – 1938 (Algae, myxomycetes: Ireland, England, Scotland)

**Reader**, H.P. *fl* 1906 (Vascular plants)

**Reverchon**, E. *fl* 1857 – 1890 in herb. C. Bailey. QUB (Vascular plants: French Alps, Corsica, Sardinia etc)

**Rhodes**, P.G.M. *fl* 1910 – 1920s (Bryophytes: England)

**Richards**, A. John *fl* 1973 (*Taraxacum*: England)

**Richards**, Paul W. (Prof). Eminent ecologist and bryologist. Many specimens from 1948 – 51 in R.E.Parker herbarium, acquired in 1990.

**Riddelsdell**, Harry Joseph (1866 – 1941 ) *fl* 1900 – 1910 QUB in herb. Bailey (Vascular plants: England & Wales)

**Rigo**, G. (1841 – after 1900) QUB (Vascular plants: foreign)

**Riley**, David H. *fl* 1970s onwards (Vascular plants esp. *Salix*: N. Ireland)

**Rilstone**, F. *fl* 1910 – 1920s (Bryophytes: England)

**Robbins**, J. *fl*1885 (Algae: Scilly)

**Roberts**, Stewart *fl*1973

**Robinson**, Fred *fl* 1918 (Vascular plants)

**Robinson**, George (Rev) *fl*1880s BNHPS QUB (Vascular plants: Ireland)

**Robinson**, Hugh. (1845 – 1890) *fl* 1867 – 1872 Belfast amateur naturalist, a protégé of Ralph Tate. Includes specimens by Ralph Tate and S.A. Stewart and others. His fairly extensive herbarium is of material from the north of Ireland, mainly the Belfast area and compiled c.1864 onwards, it is mounted on flimsy small-sized sheets which were catalogued and attached to standard-sized sheets in the 1970s. Many records are quoted in Hackney (1992), including an 1865 specimen of *Epipactis phyllanthes* from Glenarm - the earliest record for this species in Ireland. BNHPS (Vascular plants: Northern Ireland)

**Robinson**, James Frodsham (1838 – 1884) *fl* 1896 – 1917 (Algae, vascular plants: Great Britain)

**Rogers**, William Moyle FLS (1835 – 1920 ) *fl*1879 – 1913 QUB BM&AG Vice-Principal, Theological College, Capetown 1860; came to England 1862. (Vascular plants: England)

**Rohloff**, J.W. *fl* 1880s. One of many collectors of algae in Collection 33. (Algae: Devon and Cornwall)

**Roper**, Ida Mary FLS (1865 – 1935) *fl* 1870s -1910s QUB (Vascular plants: England)

**Rossall**, John H. *fl* 1870s BM&AG (Vascular plants: England)

**Rossmore** (Lord) *fl* 1944 ex **DBN** (Vascular plants: Ireland)

**Roy, John** (1826 - 1893) *fl* 1860s – 1870s BM&AG QUB BNHPS (Vascular plants: Scotland)

**Ruth, J.E.** *fl* 1900s QUB (Angiosperms)

**Sadler, John** (1837 – 1882) *fl* 1860s BNHPS (Vascular plants: Great Britain)

**St Lawrence** (Miss) *fl* 1870 BNHPS (Vascular plants: England)

**Salmon, Charles Edgar** *fl* 1890s (Bryophytes, vascular plants: England & Scotland)

**Salmon, Ernest Stanley** *fl* 1896 QUB. Architect and amateur botanist. (Algae, vascular plants: Great Britain)

**Sanders, Gilbert** *fl* 1840s – 1860s (Algae: Ireland)

**Saunders, W.** (Vascular plants: England)

**Sawers, William** *fl* 1850s QUB and ex Williamson Art Gallery & Museum, Birkenhead (Algae: Ireland).

**Sayers, Willielma Jane** (Miss) NE Ireland 1936 – 1937, donated C.D. Chase 1937. Redetermined by E.M. Lobley c.1970. (See Lobley, 1970).

**Scannell Mary Josephine Patricia** (Miss) *fl* 1966 – 1990 of National Museum of Ireland and subsequently National Botanic Gardens, Dublin. Most specimens in **BEL** are vascular plants, duplicates of those in **DBN**. (Vascular plants, algae: Ireland)

**Schenkel, Ludwig** (1900 – 1988 ) *fl* 1930s. A Viennese Jewish refugee who fled the Nazi regime in the late 1930s and settled in Londonderry; leather goods manufacturer. Superb specimens of Austrian mountain flora. His herbarium and other effects, including a grand piano, spent World War II in a packing case in store in the docks at Copenhagen, being “liberated” after the German defeat. Herbarium donated originally to Ralph Forbes who subsequently passed it to **BEL**. (Vascular plants: Austria esp. Vienna region)

**Scott, Barbara E.** See Pilcher, Barbara E.

**Scully, R. W.** *fl* 1888 – 1900s (Vascular plants: Ireland)

**Seaby, W.A.** Director, Ulster Museum c. 1963 – 1972. Interested in orchids. (Vascular plants: Ireland)

**Seaward, Mark Richard David** (Prof) *fl* 1960s – Professor in Dept. of Environmental Science at University of Bradford, Yorkshire (Lichens: Great Britain and Ireland)

**Shephard, E.F.** *fl* 1898 QUB (Vascular plants: England and Scotland)

**Sherrin, W.R.** (Bryophytes, vascular plants: Great Britain)

**Shoolbred, William Andrew** (Rev) FLS (1852 – 1928) *fl* 1870s – 1890s QUB BNFC (Vascular plants: Ireland and Great Britain)

**Simms, Michael** (Dr) Ulster Museum staff (Geology Dept.) *fl* 1990s onwards (Lichens: British Isles and foreign)

**Sintenis, P.E.E.** (1847 – after 1903) (Vascular plants: foreign)

**Small, James** (Prof) (1889 – 1955). Professor of Botany at QUB from 1920 – 1954. Born Brechin, Forfarshire. He assembled an herbarium of local flora in his teens which won him a First Prize in his High School competition. This collection remained

at QUB upon his death and was transferred to the Ulster Museum in 1968 with the rest of the QUB collection. In 2000 it was catalogued and the individual sheets were dispersed through the main British herbarium. He also had a strong interest in plant macrophotography and his collection of black and white plant anatomical studies were donated to the Ulster Museum by the Botany Dept. of QUB when they removed to new premises in about 1990. A selection of these has been formed into a travelling exhibition entitled Perspectives. *Obituary*: (by Kertland) in *Proc. Bot. Soc. Br. Isles* **2**: 192 – 193 (1956). (Vascular plants: Brechin/Montrose region).

**Smith**, W.J. *fl* 1866 BM&AG (Vascular plants)

**Smith**, S.O. *fl* 1862 BNFC (Vascular plants: Ireland)

**Smith**, Steve *fl* 1989. First leader of the N. Ireland Lake Survey (*q.v.*) whose staff also included Shaun Wolfe-Murphy (*q.v.*). (Vascular plants: N. Ireland lakes)

**Soutter**, J.P. *fl* 1870s BM&AG (Vascular plants: England)

**Southall**, H. (Mr.) *fl* 1869 (Vascular plants)

**South**, G. Robin

**Sommerville**, Alexander *fl* 1890s BM&AG QUB (Vascular plants: Ireland, Scotland, Scilly Isles)

**Spearing**, E. *fl* 1907 (Vascular plants: Cornwall and Devon)

**Spicier**, W.W. *fl* 1871 QUB BNHPS (Vascular plants: Isle of Man)

**Spruce**, Richard (1817 – 1893) Born and died in York. Mathematics master at the Collegiate School, York, 1844 – 6. Collected in the Pyrenees, especially bryophytes and hepatics. To South America, 1849, where he explored the flora of Para and the Alto Amazonas, south Venezuela, east Peru, and "Aequatoriam Andinam". He also studied the geography, languages and ethnography. In 1860 he became paralysed and ill but continued to explore the "litorales Aequatoris", 1860 – 1862, and Peru, 1863 – 1864. Returned to England and finally retired to Yorkshire, where he studied hepatics and the palms as far as his continued ill health would allow. (Bryophytes: Yorkshire, Castle Howard district etc. Vascular plants: Amazonia). See Tyrie (1996).

**Standen**, B.P. *fl* 1907 QUB (Vascular plants)

**Standen**, Richard Spiers (1835 – 1917) *fl* 1890s – 1910s QUB (Vascular plants: England)

**Strange**, S.J. *fl* 1904 – 2 1 (Vascular plants: Ireland and Great Britain esp. Sussex)

**Steele**, W.B. (Rev) *fl* 1919 (Vascular plants: Fermanagh)

**Steele**, John H. *fl* 1878. Name on inside cover of book of ferns from Fermanagh and Donegal, inscribed with title on outside Will Steele's Book of Ferns. (Pteridophytes: north west Ireland)

**Stelfox**, Arthur William (1883 – 1972) *fl* 1914 – 1925. Entomologist and botanist, employee of the National Museum of Ireland, Dublin. Retired to Newcastle, Co Down. His son George donated his herbarium collection, consisting of miscellaneous vascular plants from the Ben Lawers region, and Ireland, after his death. They include notes and drawings of Irish saxifrages. A large collection of his insects is in The National Museum, Dublin. *Obituary: Ir. Nat. J.* **17**: 285 - 302 (1973) with portrait.

See also Bryan P. Beirne's article (Beirne 1985) in which he presented some details of Stelfox's entomological activities. (Myxomycetes, vascular plants: Ireland, Scotland and England)

**Stelfox**, Margarita Dawson (Mrs) née Mitchell *fl* 1914 – 1925. Wife of A.W.Stelfox (Myxomycetes: Ireland)

**Steuart**, James Henry Augustin (1834 – 1895) *fl* 1889 – 1893 BM&AG (Vascular plants: Great Britain)

**Stendall**, J.A. One-time Curator of BM&AG. (Vascular plants: Ireland)

**Stewart**, Samuel Alexander (1826 – 1910) *fl* 1863 – 1910 BNHPS QUB and ex **DBN**. Born Philadelphia, USA, migrated to Belfast as a child; died in a street accident in Belfast. Trunkmaker and amateur geologist and botanist of high repute, a protégé of Ralph Tate. An important figure in the Belfast Naturalists' Field Club (founded 1863) and the curator of its herbarium, and that of the Belfast Natural History & Philosophical Society, when they were housed at the Old Museum in College Square North. These collections and his own very large herbarium came to the Municipal Museum after his death in 1910, and formed the core of the Belfast Museum & Art Gallery's herbarium. (It is impossible to distinguish clearly between his own collection and that of the BNFC). Stewart is mainly known for his *Flora of the North-east of Ireland* (1888), jointly compiled with T.H. Corry who died before its completion. (Algae, bryophytes, pteridophytes, flowering plants: Ireland)

**Stewart**, M. *fl* 1889 (Vascular plants)

**Stewart** (Captain) (Vascular plants: Penzance)

**Storey**, John (c.1801 – 1859) *fl* 1840s (Angiosperms: England)

**Størmer**, Per 1950s (Bryophyta: Norway, Sweden) in Parker bryophyte herbarium.

**Stribrny**, V. (b.1853) (Vascular plants: foreign)

**Straker**, E. *fl* 1880s QUB (Angiosperms: England)

**Strange**, S.J. *fl* 1921 (Vascular plants: Ireland)

**Stratton**, Frederic (1840 – 1916) *fl* 1871 – 1875 BNHPS (Vascular plants: England & Isle of Man)

**Stuart**, J.H.A. *fl* 1892 (Vascular plants)

**Sturch**, H.N. *fl* 1896 (Algae: England)

**Sturroch**, A. *fl* 1883 QUB (Vascular plants: Scotland)

**Syme**, John Thomas Irvine *fl* 1840s – 1850s (Vascular plants: Scotland and England)

**Snotty**, Donal *fl* 1960s – 1990s. On herbarium staff at national Museum of Ireland and subsequently National Botanic Gardens, Glasnevin, becoming the latter institution's Director in c. 1992. Retired 2004. Ex **DBN** (Bryophytes: Ireland)

**Talbot**, N. *fl* 1969 (Algae: Jamaica)

**Tate**, G.R. [or G.A.] *fl* 1865 – 1871 (Vascular plants: Great Britain)

**Tate**, Ralph (1840 – 1901) *fl* 1860s. A prime mover in the founding of the Belfast Naturalists' Field Club in 1863. Science master. Assistant curator of the Geological

Society of London, 1864. Author of *Flora Belfastiensis* (Tate 1863). Professor of Natural Science, Adelaide 1875. (Vascular plants: N. Ireland)

**Taucher**, J. (1832 – 1882 ) (Vascular plants: foreign)

**Taylor**, A. *fl* 1847 (Vascular plants: England)

**Taylor**, Sir George *fl* 1940s –1950s Collected *Potamogeton* spp. in N. Ireland 1952. Also named as collector on the labels of a substantial collection of *Potamogeton* specimens of Great Britain provenance given to the Queen's University Herbarium (QUB) as partial restitution following loss of QUB's own *Potamogeton* specimens which were on loan to BM(Nat. Hist.) at the time of an air raid on that Museum in World War II. (But these 'lost' specimens subsequently turned up damaged but largely intact in c. 1974. See also Dandy, J.E.)

**Taylor**, Jeanne *fl* 1947 – 50. Collections of vascular plants from Belfast and the Bann Estuary area, probably made during undergraduate days at QUB. Also large collection of bryophytes from N. Ireland, known as Bryophyte Ecology Collection (This collection bears no collector's name.). Acquired as part of the QUB herbarium 1968. (Bryophytes, vascular plants: Ireland; a few bryophytes from Great Britain)

**Tellane**, R.V. *fl* 1870 BNHPS (England: Cornwall)

**Tetley**, William N. (1861 – 1928) (Bryophytes: Great Britain and Ireland)

**Templeton**, John (1766 – 1825) *fl* c.1785 - 1810 QUB BM&AG. A locally well-known botanist who lived most of his life at Cranmore on the Malone Road, south Belfast. The shell of his house remains standing in the derelict gardens. He is chiefly remembered as the author of an unpublished Hibernian Flora covering vascular plants, bryophytes, algae and fungi, some volumes of which survive in the care of the Ulster Museum. During his life he corresponded with James Edward Smith and James Sowerby (some correspondence with the latter has survived in the Museum) and he is frequently referred to in Sowerby's *English Botany* (1790 -1814, 36 volumes). The specimens which have survived are mostly of algae. He was one of the original members of the Belfast Natural History Society (however this is not acknowledged in Nesbitt 1979) contributed to Sowerby and Smith (1790 – 1814) . Interested in all flora including cryptograms. His collection of *Dumontia contorta* (F208) is the earliest plant specimen in **BEL**. Many specimens were probably donated to Hyndman and then passed to the BNHPS. His elaborate flora MS was never published and is stored in the Herbarium. See Praeger (1949), Kertland (1966, 1967a). (Algae, vascular plants: Ireland)

**Thompson**, Harold Stewart FLS (1870 -1940) *fl* 1880s – 1900s QUB (Vascular plants: England & Wales)

**Thompson**, S.M. (Miss) *fl* 1844 – 1899 BNFC (Vascular plants: Ireland)

**Thompson**, William (1805 – 1852) *fl* 1840 – 1851 QUB BNHPS. A member of the BNHPS and the most distinguished Irish naturalist of his time. Studied botany and zoology, in particular ornithology. In his relatively short life he had an outstanding output of original work. A detailed account of his life is to be found in Fairley (1975). Principally known as a marine zoologist, but his plant collection is of note. It fills a gap in time between the activities of Templeton and the upsurge of interest in field botany after 1863. Specimens also in **DBN**. See Praeger (1949). (Algae, vascular plants: Ireland)

**Thomson**, Sir Charles Wyville *fl* 1850s (Praeger 1949) QUB (Vascular plants: Great Britain)

**Tomlinson**, William James Coleman (1863 – 1921) *fl* 1905 – 1915. Tomlinson was an employee of the Midland Railway Co. and a leading member of the BNFC. His large collection of plants was acquired by the Dept. of Agriculture in QUB and donated to the Ulster Museum in December 1978. It includes a collection of watercolours of fungi, some fungal specimens and miscellaneous specimens of economic interest, but is principally a collection of local vascular plants. *Obituary: Ir Nat.* **30**: 108 (1921). A substantial collection estimated at c.1,500 specimens. The specimens were collected around 1905 - 1910 and cover vascular plants from the north of Ireland and the south of England. Many of the Irish specimens were cited in the 2nd edition of the *Flora of the North-east of Ireland* by Praeger and Megaw (1938). (Vascular plants, fungi: Ireland and England)

**Towndrow**, Richard Francis (1845 – 1937 ) *fl* 1870s – 1880s QUB BM&AG (Vascular plants: England)

**Townsend**, Fredrick (1822 – 1905) *fl* 1880s – 1910s BM&AG QUB (Vascular plants: Scotland; England esp. Surrey)

**Traill**, George William (1836 – 1897) Clerk in Standard Life Assurance Co. Studied the algae of the east coast of Great Britain and north of Scotland; one of the greatest authorities on Scottish algae (Furley 1989).(Algae: Scotland and Joppa)

**Travis**, W.G. *fl* 1910s QUB (Vascular plants: northern England)

**Trist**, P.John O. *fl* 1980s (Vascular plants (Grasses): England and Channel Islands)

**Tuck**, W.H. (Vascular plants: England)

**Turner**, Magdalene (Miss) *fl* 1840s – 1880s. Sent Jersey algae to W.H. Harvey: see Algal Collection 14. (Algae: Jersey)

**Turner**, R.? *fl* 1870s (Vascular plants: England esp. Cornwall)

**Tyrie**, Catherine Ruth (Ms) *fl* 1972 onwards; staff of **BEL**. Special interest in cultivated flora. (Algae & vascular plants: Ireland)

**Varenne**, Esekiel George *fl* 1811- 1887

**Vaughan**, L. *fl* 1885 (Vascular plants: England)

**de Valéra**, Máirin. 1921 – 1984. Professor Emerita of Botany at University College, Galway. Obituary: Guiry & Dixon 1985) (Algae: Ireland)

**de Vesian**, D.E. (Miss) *fl* 1950s – 1960s. Plants from Galloway and Ireland donated by Gloucester Museums Service (Vascular plants: Ireland and SW Scotland)

**Vice**, W.A. *fl* 1905 (Vascular plants)

**Vickers**, Anna (1852 – 1906)

**Vigurs**, C. Corker (Captain) *fl* 1905 – 1913 BMAG (Vascular plants: England)

**von de Porten**, Amy *fl* 1950 (Algae: Jamaica)

**Waddell**, Coslett Herbert. (Rev) (1858 – 1919) *fl* 1892 – 1904 QUB BNFC. Anglican Rector of Saintfield and later Greyabbey, Co. Down. Secretary of the Moss Exchange Club 1896 – 1903 of which he was a founder member. Vascular plants incl. *Rubi*, and



bryophytes donated to QUB after his death by his widow. (Algae, lichens, bryophytes, pteridophytes, angiosperms: Ireland; England)

**Wade**, A.E. *fl* 1918. Staff of National Museum of Wales, Botany Dept. (Vascular plants: Great Britain)

**Wade**, Walter (1760 – 1825) Professor of Botany, Dublin Society.

**Walford**, Edwin *fl* 1867 BM&AG BNHPS (Vascular plants: England)

**Walker**, David (Dr) QUB. Belfast surgeon, accompanied Francis Leopold McClintock on the voyage of the Fox in 1857 – 1859, during which the fate of Sir John Franklin's lost Arctic expedition was ascertained. Walker collected flowering plants and lichen specimens from Greenland and Port Kennedy (the 1858 – 1859 winter quarters of the expedition). Afterwards he emigrated to the USA and became a doctor in Portland, Oregon. See Hackney (1997). (Vascular plants, lichens: Greenland and Canadian Arctic Archipelago)

**Wallace**, E.C. *fl* 1930s (Bryophytes: Great Britain and Ireland)

**Walker**, G.W. (d.1844). (Vascular plants: foreign)

**Walker**, Miss *fl* 1880 – 1900 (Vascular plants: foreign)

**Walker**, J. *fl* 1962 (Bryophytes: Ireland)

**Ward**, F.W. *fl* 1891 (Vascular plants: Great Britain)

**Ward**, James; of Richmond (1802 – 1873) *fl* 1840 – 1850s QUB BM&AG (Vascular plants: England)

**Warren** *fl* 1870s (Angiosperms: England)

**Waterfall**, William B. (1850 – 1915) *fl* 1870s (Vascular plants: England esp. Cornwall)

**Waterfall**, Charles (1851 – 1938) *fl* 1880s – 1910s Vascular plant specimens ex herb. Charles Bailey, QUB. Bryophytes acquired separately. (Bryophytes: England. Vascular plants: England and foreign)

**Watkins**, Burton Mounsher (1816 – 1892) *fl* 1860s QUB (Angiosperms: Wales)

**Watson**, Hewett Cotrell (1804 – 1881) QUB (Vascular plants: England)

**Wear**, Sylvanus. (1858 – 1920) *fl* 1907 – 1919 BM&AG. Born Felton, Northumberland, miller; retired to live in Belfast and became a prominent member of the BNFC, especially of the Botanical Section. He is chiefly remembered for his preparation of the posthumously published *Second Supplement to the Flora of the North-east of Ireland* (Wear 1923) which contains a photograph of him. His large and locally important herbarium came to the BM&AG after his death. *Obituary: Ir. Nat.* **30**: 23 (1921). (See also Praeger (1949), Morton (1977b)). (Algae, vascular plants esp. *Carex*: Ireland)

**Webb**, Frederick Morgan (1841 – 1880) (Vascular plants: England)

**Webster**, G. *fl* 1890s (Vascular plants: Great Britain)

**Wedgewood** (Mrs) *fl* 1925 (Vascular plants: Ireland)

**Weir**, G. *fl* 1955 QUB (Vascular plants: Ireland)

**Welch**, Robert John (1859 – 1936). Professional photographer and amateur naturalist (esp. conchology). Friend of R. Ll. Praeger, for whom he illustrated his books such as *The Botanist in Ireland* (1934). Botanical photographs are included in the collections of his glass negatives, prints and lantern slides in the Ulster Museum (Evans & Turner 1977; Turner 1979; Hackney *et al* 1983). *Obituary*: by Praeger in *Ir. Nat J.* **6**: 159 – 161. Photographic portrait by A.R. Hogg, dated 1935 in the Ulster Museum.

**West**, Sarah *fl* 1986 (Algae: Ireland)

**Westropp**, W.H.S. *fl* 1870s (Vascular plants: Ireland)

**West**, William (1848 – 1914) *fl* 1870s QUB Pharmaceutical chemist. Lecturer in Botany at Bradford Technical College) (Vascular plants: Scotland and England)

**Whan**, William Taylor (Rev) (1829 – 1901) QUB (Vascular plants: N.Ireland)

**Wheeler**, Edwin (1833 – 1909) *fl* 1870s (Angiosperms: England)

**Wheldon**, James Alfred (1862 – 1924) *fl* 1880s – 1900s BNFC BM&AG QUB (Vascular plants: Yorkshire)

**White**, James.S. *fl* 1880s –1910s QUB (Vascular plants: England)

**White**, Jane M. (1846 – 1932) *fl* 1920 – 1930s QUB Lived in Portadown and investigated the so-called "fens" (actually cut-out bogs) around the Armagh and Antrim shores of Lough Neagh and took part in the Coastal Survey of Northern Ireland. Several notes and papers in *Ir. Nat. J.* (Vascular plants: Ireland & England)

**White**, James Walter (1846 – 1932) *fl* 1880s – 1930s QUB BM&AG (Algae, vascular plants: Ireland and England)

**Whitear**, W. *fl* 1830s QUB (Vascular plants: England)

**Whitehead**, J. *fl* 1876 (Vascular plants: Scotland)

**Whitehouse**, H.L.K. 1950s in Parker bryophyte herbarium.

**Wilcox**, F.S. *fl* 1907 QUB (Vascular plants: England)

**Wilde**, John *fl* 1970 – onwards. Born south Lancashire. Moved to Belfast 1950s. Employee of Courtaulds. (Vascular plants esp. pteridophytes: Ireland)

**Williams**, John Lloyd FLS (1854 – 1945) *fl* 1890s. Schoolmaster, Garn Dolbenmaen Board School. Lecturer in Botany, University College, Bangor (Wales); Professor of Botany, University College, Aberystwyth 1914 – 1926. (Vascular plants: Wales)

**Wilson**, Albert (1862 – 1949) *fl* 1890s –1910s QUB (Vascular plants: England and Scotland)

**Wilson**, [?], W. (Vascular plants: England)

**Wolfe-Murphy**, Shaun *fl* 1986 onwards. On Dept. of Environment's ASSI survey team (with Simon Leach). Subsequently member of team of the Northern Ireland Lake Survey; latterly an environmental consultant based in Belfast. (Vascular plants and charophytes: N. Ireland)

**Wolley-Dod**, Anthony Hurt (1861 – 1948) *fl* 1900s (Vascular plants: England esp. Kent)

**Wolley-Dod**, Charles (Rev) (1826 - 1904) QUB (Vascular plants: England esp. Kent)

**Woodhead, J.W.** *fl* 1890s QUB (Vascular plants: Great Britain)

**Woodward, R.** *fl* 1901 QUB (Vascular plants: England)

**Woods, J.** FLS (1776 – 1864) Architect; travelled extensively in Europe; keen amateur botanist, specialized in *Rosa* (Clokje 1964). (Vascular plants: Ireland and foreign)

**Wright, L.S. (Rev)** *fl* 1918 (Vascular plants: England)

**Wright, M.I.C.** *fl* 1950s QUB (Vascular plants: Ireland)

**Wright, Mark** *fl* 1990s onwards. Environment & Heritage Service of Dept. of the Environment (NI),. (Fungi: Scotland and N. Ireland)

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## APPENDIX

### Terms and conditions pertaining to the transfer of the herbarium of the Dept. of Botany, Queen's University of Belfast.

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The Queen's University of Belfast  
G. R. Cowie M.A., LL.B.

Secretary

14 February 1968

Ref: S.1.1227

W.A. Seaby, Esq., F.S.A., F.M.A.,  
Director,  
The Ulster Museum,  
Stranmillis,  
Belfast, 9.

Dear Mr. Seaby,

Mr R.E. Parker, acting Head of the Department of Botany, and your Mr. C.D. Deane have been discussing the possibility of handing over to the Ulster Museum the Herbarium in the Botany Department.

The Herbarium comprises the following items:

- (a) The whole collection mounted on sheets, together with the cabinets at present used to house it, including one appropriate cabinet which is at present empty.
- (b) Large collection of bryophytes and lichens, together with the cabinets used to house them
- (c) Plant material, pressed but not mounted
- (d) Rubber stamps for marking sheets used to mount the material for the Herbarium.

The Senate, at its meeting on 13th inst., agreed that a gift of the Herbarium should be made to the Ulster Museum under the following conditions:

1. That the collections be properly conserved, special attention being given to the atmospheric conditions in which the collections are stored and to the need to prevent infestation by destructive insects.
2. That a suitable curator of the Herbarium be appointed from the staff of the Ulster Museum.
3. That any member of staff or any duly authorised student of the University should be given reasonable access to the collections and be able to withdraw on loan specimens or groups of specimens on a regular basis.
4. That the Museum undertake to incorporate into the collection within a reasonable time the unmounted material and to mark all sheets used with The Queen's University of Belfast Botany Department stamp.
5. That the marking of the sheets already in the Herbarium with the Queen's University stamp be completed before any other material which the Museum has at present or may subsequently obtain is incorporated with it.
6. That the material contained in the collections must not be used for the purpose of exchange.

The Senate noted that the collection, which has been built up over many years, is of considerable historical value and that some of the material has been used as the basis for research, of which records are maintained elsewhere. There may, from time to time, be need to refer to the actual material on which some of the research was based, hence the necessity for careful conservation and maintenance of the collection.

With regard to Condition 4, it is understood that the [un]mounted material would not be able to be dealt with until the Ulster Museum occupies its new accommodation. This is what is understood by the words "within a reasonable time".

I should be glad to know if the Museum accepts the offer of the Herbarium on the above conditions. If it does, I would notify Mr Parker so that he could make the appropriate arrangements with Mr Deane for the transfer of the items.

Yours sincerely

*(signed G.R. Cowie)*

Secretary

## Ulster Museum

Stranmillis, Belfast BT9 5AB

15 February 1968

To: G. R. Cowie, Esq., M.A., LL.B.,  
Secretary,  
Queen's University,  
BELFAST BT7 1NN

Dear Mr Cowie,

Thank you for your letter. I note that the Senate at its meeting on the 13th inst. agreed to the gift of the Herbarium to the Ulster Museum under certain conditions. I am directed to inform you that the Trustees are delighted to accept the gift and through Mr Deane have accepted the conditions laid down by Mr. Parker. I have passed your letter to Mr. Deane who will make arrangements with the acting Head of the Botany Department for the transfer of the Herbarium.

Yours sincerely,  
*(signed W. A. Seaby)*  
Director

Notes:

When the herbarium was transferred to Museum premises in 1968 the Museum's botanist was Miss Barbara Scott, who resigned from her post as Research Assistant (Botany) later in that same year, having joined the Museum in 1966. She was replaced by Paul Hackney (as Assistant Keeper (Botany)) from 1 November 1968. At that time the herbarium was mostly stored in its original QUB cabinets in the Canoe Room, from where it was transferred to its new cabinets in the new specimen store in summer 1969. The Ulster Museum's existing herbarium was temporarily stored in no. 3 Wellington Park which was the temporary premises of the Natural History curators until summer 1969.

Condition 4 is mis-quoted in the penultimate paragraph of Mr Cowie's letter; 'mounted' should read 'unmounted'. In actual fact the incorporation of what turned out to be vast amounts of unmounted specimens has taken over thirty years at a steady rate, using volunteers for much of the work, especially Messrs Stan Beesley and John Wilde. The Ulster Museum's own herbarium also contained large quantities of unmounted specimens in 1968, of BNFC origin, which have been processed during the same period. It is anticipated that the mounting of the final batches of unmounted material will take place in 20001.

An anomaly concerning ownership of some of the material was discovered in about 1970 when Mr Roger Weatherup, Curator of the Armagh County Museum (then run under the auspices of the Armagh Co Council), informed Paul Hackney that the F.H.W. Kerr collection had been on loan to QUB at the

time of transfer and remained technically Armagh County Museum property. A condition of loan to QUB had been that all sheets were to be marked "Armagh County Museum" but this had not, in fact, been observed, although Kerr's sheets are very distinctive. Some sheets were retrospectively so marked, but the Armagh County Museum became a part of the Ulster Museum in 1973 (consequent on local government reorganisation and the abolition of the county council), so that ownership ceased to be an issue.

It is regrettable that scarcely any historical information as to the origins and developmental history of the QUB herbarium was handed over to the Ulster Museum. How QUB acquired its constituent collections remains a mystery in most instances.