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A LIST OF BOTANICAL COLLECTORS, MADEIRA ARCHIPELAGO

Compiled by Alfred Hansen *

Since the end of the 17th century a great many botanists and naturalists (mostly European) have been visiting and collecting in the Madeira Archipelago, either as members of European expeditions to overseas areas calling at Madeira as a favoured bunker-place, or as individuals (especially from England) attracted by the rich and interesting vegetation of this Archipelago. In the last 30 years the modern and cheap air charter-traffic and cruises have greatly contributed to making trips to Madeira possible for many a botanist. The collecting activity of all these foreign botanists has resulted in a spreading of nearly 300 years «harvest» of Madeira-plants in a number of European (mostly English) herbaria. In Madeira itself and on the motherland of Portugal the existing herbarium-material from this archipelago is relatively scarce. Yet today there is a much needed tendency among collectors to leave a duplicate-set of their collections in Madeira for incorporation in the local herbaria, and it is sincerely hoped that this practice will develop further in the future.

In order to make a survey of the known collectors and the places, where their collections are located, an attempt at least is made here to trace as many of the botanists concerned as possible. The literature consulted is listed below. The data of the collectors are given as far as possible, but in this respect unfortunately there are still some gaps.

* Botanical Museum of the University, Gothersgade 130, 1123 —
Copenhagen — K, Denmark.

The abbreviations of the herbaria are given according to the latest issue (6th edit.) of «Index Herbariorum». Those Madeira-plants whose genus-name, specific or varietal epithet have been created on the basis of names of botanists connected with the exploration of the Madeira Archipelago, are mentioned under the respective botanists.

CLOKIE, H. N., 1964: An account of the herbaria of the Department of Botany in the University of Oxford. — Oxford (280 pp.).

FRANKS, J. W., 1973: Herb. Manch. A guide to the contents of the herbarium of Manchester Museum. — Manchester Mus. Publ. N. S. 1: 1-29.

HANSEN, A., 1976: A botanical bibliography of the Archipelago of Madeira. — Bol. Mus. Mun. Funchal 30 (131): 26-45.

HEDGE, I. C. & J. M. LAMOND, 1970: Index of collectors in the Edinburgh Herbarium. — Edinburgh (147 pp.).

INDEX HERBARIORUM, The Herbaria of the World, 6. edit. — Regn. Veget. 92, 1974.

INDEX HERBARIORUM, Collectors, A-D, E-H, I-L, M. — Regn. Veget. 2, 1954, 9, 1957, 86, 1972, 93, 1976.

JACKSON, B. D., 1901: List of the contributors to the herbarium of the Royal Botanic Gardens, Kew, to 31st December 1899. — Kew Bull. 1901: 1-79.

LAUNDON, J. R., 1979: Deceased lichenologists: Their abbreviations and herbaria. — The Lichenologist 11: 1-26.

MABBERLEY, D. J., (1978) 1980: EDWARD and SARAH BOWDICH'S names of Macaronesian and African plants, with notes on those of ROBERT BROWN. — Bot. Macaronesica 6: 53-66.

SAYRE, G., 1977: Authors of names of Bryophytes and the present location of their herbaria. — The Bryologist 80(3): 502-521.

URBAN, I., 1917: Geschichte des Königlichen Botanischen Museums zu Berlin-Dahlem 1815-1915 nebst Aufzählung seiner Sammlungen. — Beih. Bot. Centralbl. 24: 1-457.

ALBERS, JOHANN CRISTIAN (1796-1857), German botanist collecting plants in Madeira in 1850-51, now in herb. B.

ALBERTIS, ENRICO A. (1846-1933), head of the Italian research vessel «Corsaro», collected algae in the Madeira waters in 1882, which were named and published by A. PICCONE (1884).

ANDRADA, E. CAMPOS (1913-), until 1975 head of the Forestry Department, Funchal, collected plants in Madeira, especially on the

surrounding islets, in 1954 together with B. GONÇALVES, Angra, Azores. Now working in Lisboa, plants in private herbarium.

ARMITAGE, ELEANORA (1865-1961), English botanist collecting in Madeira in 1909 (Jan. 6th. — March 16th.). Her mosses (about 180 nos.) were published by H. N. DIXON (herb. BM, K). Plants in herb. BRIST, MANCH, NOT, OXF.

BACKHOUSE, JAMES (1825-1890), English botanist collecting in Madeira (when?), plants now in herb. E.

BANKS, JOSEPH (1743-1820), English botanist, together with the Swedish botanist D. C. SOLANDER (1733-1782) participant of Captain Cock's circumnavigation of the globe with the vessel «Endeavour» in 1768-71. Stayed in Madeira 12th-19th September 1768 and collected about 300 nos. of plants, partly with the assistance of an English medical doctor, THOMAS HEBERDEN, then a resident in Madeira. Plants in BM.

BARRETO, C. JAIME DE GOUVEIA (1887-1963), native, born in Porto Moniz, director of «Museu do Seminário Episcopal do Funchal». His plant-collections in herb. MADS (among them plants from the Salvage Islands 1939) were after his death stored provisionally in the «Museum of Sacred Arts», Funchal, where they still remain, but at present not available for study or loan. His lichens and fungi were studied and published by the Spanish botanist P. LONGINOS NAVAS and the French botanist C. TORREND. His mosses were studied by A. LUISIER (herb. INA). — *Ganoderma barretii* (Fungi), *Fissidens barretoii* (Musci), *Semele pterygophora* J. G. DA COSTA var. *barretiana* J. G. DA COSTA (Liliaceae).

BENL, GERHARD (1910-), German botanist, Botanische Staatssammlung, München, collected ferns in Madeira in 1970. Plants in herb. M.

BENNETT, FREDERICK DEBELL (data unknown), English botanist, participant of the «Tuscan» - circumnavigation of the world in 1833-36 calling also at Madeira. Plants in herb. B.

BORNMÜLLER, JOSEF (1862-1948), German botanist collecting in Madeira in 1900-01, issued «Plantae Exsiccatae Maderenses» (about 120 nos.). His mosses were named and published by another German botanist V. F. SCHIFFNER (1862-1944), herb. FH), and his lichens by the Austrian botanist J. STEINER (1844-1918). Plants in herb. B. (partly destroyed). JE, BM, P etc.

BØRGESSEN, FREDERIK CHR. EMIL (1866-1956), Danish botanist who stayed in Madeira in 1895 collecting a. o. mosses. His collections (not yet worked up) are in herb. C.

BOWDICH, THOMAS EDWARD (1791-1824), English traveller and

zoologist, stayed in Madeira and Porto Santo in October 1823. Evt. plants in herb. BM. A posthumous work on Madeira was issued by his wife, SARAH LEE (1871-1856) in 1825. See MABBERLEY 1980.

BROWN, ROBERT (1773-1858), English botanist collecting plants in Madeira in 1802 (4 days only). Plants in herb. BM. His collections were utilized by the German naturalist L. VON BUCH in his work of 1825 «Verzeichniss der auf Madeira wildwachsenden Pflanzen».

BUCHANAN, JOHN, rev. (1855-1896), minister at Durham, S. Africa, collected plants in Madeira in 1879-82, now in herb. E.

BUNBURY, CHARLES JAMES FOX (1809-1886), English botanist collecting plants — living and fossile — in Madeira in 1853. Plants in herb. CGE.

CARVALHO, JOSÉ MARIA DE (data unknown), Portuguese botanist collecting in Madeira in the years 1935-45. Plants in herb. LISE or LISI.

CASTELO DE PAIVA, ANTÓNIO DA COSTA PAIVA, BARÃO DE (1806-1879), Portuguese medical doctor and naturalist, who visited Madeira in 1855 and collected a herbarium of ca. 515 plants, which in 1863 came to the Faculty of Science, University of Lisboa (herb. LISU), duplicates are also in herb. B, K and P. — *Sempervivum paivae* (Crassulaceae), *Pedrosia paivae* (Fabaceae).

CEDERCREUTZ, CARL WILHELM (1893-), Finnish botanist, who visited Madeira in 1938. He collected some mosses which were named by another Finnish botanist, H. BUCH, and the Swedish botanist H. PERSSON. Plants in herb. H. — *Euosmolejeunea cedercreutzii* (Hepaticae).

CHRISTY, WILLIAM (ca. 1807-1839), English naturalist collecting in Madeira in the 1830-ies. Plants in herb. CGE, DBN, E and K.

CLARKE, CHARLES BARON (1832-1906), English naturalist collecting plants in Madeira in 1862, now in herb. OXF.

CLODE, ARCHIBALD (data unknown), Madeiran? botanist collecting algae at the Salvage Islands in 1918.

COCKERELL, THEODORE DRU ALISON (1866-1948), English botanist settled in USA, collected plants in Porto Santo in 1928, now in herb. US, COLO, K.

COSSART, W. or C. J. C. (data unknown), English wine-merchant in Funchal in the first half of the 19th century, collected a herbarium of Madeira-ferns about 1850, now in herb. MADM.

COSTA, JOSÉ GONÇALVES DA (1899-1967), Madeiran clergyman working as such in Porto Moniz for many years and in Porto Santo in the years 1938-41. He made big plant collections during the years

1922-48, when he was moved to Mozambique. A great part of his herbarium is still kept in herb. MADM and MADS, Funchal; some of his mosses and lichens went to A. LUISIER in Portugal. — *Ectropothecium costae* (Musci), *Ononis costae* (Fabaceae), *Vicia costae* (Fabaceae), *Plantago costae* (Plantaginaceae).

CROCKER, EMMELINE (1858-1910), English botanist collecting algae in Madeira.

DALGAARD, VILHELM (1946-), Danish botanist collecting in Madeira in the 1970-ies, especially the genus *Scrophularia*. Plants in herb. C.

DIDRICHSEN, DIDRIK FERDINAND (1814-1887), Danish botanist, member of the Danish «Galathea-Expedition» 1845-47, with visit to Madeira on July 22.-23., 1845. Together with another Danish botanist

BERNHARD C. KAMPHØVENER (1813-1846) he collected about 400 nos., now in herb C, KIEL, and elsewhere.

DOUGLAS, DAVID (1799-1834), English naturalist, who on travels to North America and Hawaii in the years 1823-34 collected a few ferns in Madeira, now in herb. OXF.

FINLY, KIRKMAN (data unknown), English medical doctor working in Trinidad, collected plants in Madeira in the 1880 - ies, now in herb. E.

FORSTER, JOHANN REINHOLD (1729-1798) and JOHANN GEORG FORSTER (1754-1794), German botanists (father and son), accompanied Captain J. COOK on his 2nd journey 1772-75, with a stay in Madeira in July 1772. Collected plants now in herb. BM, K, P, KIEL and elsewhere.

FRITZE, RICHARD (1841-1903), German-Polish botanist collecting in Madeira 1879-80, especially ferns, mosses and lichens. His mosses were distributed by the French botanist M. GANDOGGER (1850-1926), herb. LY with the title «Plantae Maderenses coll. R. FRITZE», and by «Berliner Bot. Tauschverein» (O. Leonhardt, Nassen, in S.); some of his mosses were determined by A. GEHEEB (1842-1909). His lichens were determined and published by the German botanist B. STEIN (1847-1899, herb. WRS�). — *Funaria fritzii* and *Fissidens fritzii* (Musci). Plants in herb. B, BR, H, L, LE, LY, P, PC, S-PAC.

GAIN, LUIS (1868-?), French botanist, collecting algae at Madeira and Deserta Grand as a participant of the «Hirondelle II Cruise» in August 1911.

GAMA, D. MARIA MANUELA (data unknown), Portuguese botanist collecting in Madeira 1952-55 and 1957-58, plants i herb. COI.

GARRETA, LÉON (?-1914), French botanist who collected algae at Madeira and the Salvage Islands in June 1911; they were published by L. GAIN.

GILBERT-CARTER, HUMPHREY (1884-1969), English botanist, director of the Cambridge Botanical Garden, collected plants in Madeira, now in herb. CGE.

GOIS, DANIEL DE (1905-1978), Madeiran clergyman who in the 1930-ies and 1940-ies collected a number of mosses in Madeira and Porto Santo for A. LUISIER, Portugal; plants now in herb. INA. — *Fissidens goesii* (Musci).

GONÇALVES, ILÍDIO BOTELHO (1922-), Portuguese forester, Terceira, Azores, collected plants in Madeira in 1954, especially in the surrounding islets, together with E. CAMPOS ANDRADA. Plants in herb. LISI, MADJ.

GRABHAM, MICHAEL COMPORT (1840-1935), English physician, a resident of Madeira for nearly 70 years. A collection of Madeira-plants, mostly grasses, from 1925 and 1935 is in herb. MADM. — *Semele menezesii* var. *grabhamii* (Liliaceae).

HANSEN, ALFRED (1925-), Danish botanist collecting plants in Madeira, Porto Santo and the Desertas in the years 1967-1978, material in herb. C, MADJ, MADM.

HARTWEG, CARL THEODOR (1812-1871), German naturalist collecting plants for the Royal Horticultural Society, London, stayed in Madeira, plants in herb. K, L (lichens).

HEBERDEN, THOMAS (1703-1769), English medical doctor, living for many years in Madeira, where he assisted BANKS and SOLANDER in their collecting activity in 1768. Plants in herb. BM. — *Heberdenia* (Myrsinaceae).

HEER, OSWALD (1809-1883), Swiss paleontologist visiting Madeira in 1850-51; some mosses from his collections are in herb. B.

HILLEBRAND, WILHELM (1821-1886), German medical doctor and traveller, collected plants in Madeira in 1879, now in herb. B (mostly destroyed) and in herb. WRS�.

HOCHSTETTER, CHR. FERDINAND (1787-1860), Austrian botanist and geologist, who visited Madeira in June 1837, plants in herb. MO, P and KIEL.

HOLL, FRIEDRICH (data unknown), German botanist who stayed in Madeira in June-August 1827 and distributed an exsiccate-collection «Plantae Maderenses», containing some 67 cryptogams, 39 pteridophytes and 262 phanerogams; it exists in several museums, f. inst. herb. OXF. — *Odontites holliana* (Scrophulariaceae).

HOLMEN, KJELD (1921-1974), Danish botanist who collected mosses in Madeira in 1971, now in herb. C (unpublished).

HOOKER, JOSEPH DALTON (1817-1911), English botanist, botanical member of the «Antarctic Voyage-Expedition» 1839-43; in October 1839 the collected plants in Madeira, published together with TH. VOGEL's plants from 1841 by W. J. HOOKER in 1849. Plants in herb. E, K and elsewhere.

HORNBECK, HANS BALTHASAR (1800-1870), Danish surgeon visiting Madeira in 1823 and 1825, plants in herb. C and S.

HÜBSCHMANN, ADOLF VON (1912-), German bryologist, Stolzenau (earlier Bonn), collected plants in Madeira in 1968, material in private herbarium and in BONN.

HURST, HENRY ALEXANDER (ca. 1825-1882), English merchant, who collected plants in Madeira in 1868, now in herb. MANCH.

JELINIK, ANTON (data unknown), Austrian botanist, together with FERDINAND VON HOCHSTETTER botanical member of the «Novara Expedition» 1857-59, which called also at Madeira. Plants in herb. B, W and elsewhere.

JOAD, GEORGE CURLING (1837-1881), English traveller collecting plants in 1866 («a few months»), now in herb. E, K etc.

JOHNSON, JAMES YATE (1820-1900), English zoologist living in Funchal, Madeira. His plant collections from the years 1855-1900 came to the Funchal Seminarium, see BARRETO above. His mosses were identified and published by W. MITTEN (1819-1906), herb. NY, and A. LUISIER (1872-1957), see below! Plants also in herb. K. — *Dicranolejeunea johnsoniana*, *Marchesinia johnsoniana* (Hepaticae).

JOHNSTON, HENRY HALCRO (1856-1939), English army medical doctor, who collected plants in Madeira in 1883, now in herb. E.

KAAE, NIELS (1894-), Danish botanist who paid several visits to Madeira and Porto Santo in the 1960-70 -ies. Plants in herb. C.

KAMPHØVENER, BERNHARD CASPER (1813-1846), Danish botanist, participant of the Danish «Galathea-Expedition» 1845-47 calling also at Madeira on July 22.-23., 1845. Collected plants in herb. C, KIEL, see also DIDRICHSEN above.

KNY, LEOPOLD (1841-1916), German botanist collecting in Madeira in the years 1864-65 (ca. 425 nos.): his mosses were determined by J. JURATZKA (1821-1878), herb. L, W. Plants in herb. B, S-Pa.

KRAEPELIN, KARL (1848-1915), German botanist, director of the Natural History Museum in Hamburg 1889-1915, collected plants in Madeira in 1894, now in herb. HBG.

KREBS, HENRIK JOHANNES (1821-1907), Danish dispensing chemist, who visited Madeira in 1843 and collected some plants, now in herb. C. LEMANN, CHARLES MORGAN (1806-1852), English botanist collecting in Madeira in 1837-38 together with J. F. LIPPOLD. He wrote a plant-list for Madeira which was distributed to various botanists, f. inst. W. J. HOOKER. Plants in herb. CGE, OXF and elsewhere — *Anthyllis lemanniana* (Fabaceae).

LEVRING, TORE (1913-), Swedish algologist, who collected algae at Madeira in the years 1968-73. Plants in the Marine Botanical Institute, Göteborg, and in herb. MADM.

LIEBETRUTH, ? (data unknown), Austrian botanist collecting algae at Madeira in 1864. Plants in herb. L.

LINDMAN, CARL AXEL MAGNUS (1856-1928), Swedish botanist who visited Madeira in 1885 and collected some algae and mosses. His algae were determined and published by O. BORGE. Plants in herb. S and S-Pa.

LIPPOLD, J. F. (data unknown), German gardener collecting in Madeira in 1837 together with C. M. LEMANN. Plants in herb. CGE, E, K, OXF and elsewhere. — *Melilotus lippoldiana* (Fabaceae).

LONG, FREDERICK (1840-1927), English medical doctor, who visited Madeira in 1916 and collected some grasses. His collection is in herb. MANCH and NWH.

LOWE, RICHARD THOMAS (1802-1874), English chaplain and botanist, who spend about half of his life time in Madeira. Plant collections from the years 1826-52, 1855, 1860-61, 1863, 1865, 1867-68 and 1871-72 are known to exist and are present in several herbaria, f. inst. BM, K, CGE, E, L, P, LISU, JE, G, FI, LE, MO, US. A number of plants have got the specific epithet *lowei*.

LUISIER ALPHONSE (1872-1957), Swiss bryologist, a jesuit in Caldas da Saúde, Portugal. He visited Madeira 12 times in the years 1904-1956, and he worked up collections of mosses made by J. Y. JOHNSON, C. MENEZES, C. BARRETO, J. G. DA COSTA and D. GOIS. Plants in herb. COI, INA, LISE, PO.

MACAULEY, J. (data unknown), English botanist collecting ferns in Madeira in 1839, now in herb. E.

MACGILLIVRAY, JOHN (1822-1867), English naturalist on the voyages of HMS. «Fly» and «Bramble» to Madeira etc. in 1842-46. Evt. Plants most likely in herb. BM and K.

MALATO-BELIZ, JOSÉ VICENTE CORDEIRO (1920-), Portuguese botanist collecting plants in Madeira in 1954. Plants in Herb. MADM and elsewhere.

MANDON, GILBERT (1799-1866), French botanist collecting plants in Madeira and Porto Santo in 1865-66; his collections (phanerogams and cryptogams) were utilized by E. COSSON (1819-1889) and E. BESCHERELLE (1826-1903), who issued sets of phanerogams (ca. 112 nos) and of algae, lichens and mosses. Plants in herb B (destroyed?), BM, C, CN, E, FH, FI, G, H, JE, L, MO, MSC, MW, OXF, P, P-CO, PC, PR, S, S-PA, W, Z. — *Homalothecium sericeum* var. *mandonii* (Musci).

MARTIUS, C. F. PH. Von (1794-1868), German botanist visiting Madeira during his trip to Brazil in 1817. Plants in herb. M.

MASON, NATHANIEL HASLOPE (data unknown), English dealer of natural history objects, he collected plants in Madeira in 1855-57 and issued sets of ferns and woods. Plants in herb. BM, CGE, E, K, MANCH, OXF, B, P, MADS.

MASSON, FRANCIS (1741-1805), English gardener and plant collector, who stayed in Madeira several times during the period 1776-85 and sent plants to J. BANKS, LINNÉ and LINNÉ FIL. A manuscript from his hand entitled «Massonii Flora Maderenses» is kept in British Museum. Plants in herb. BM, LD, MO, UPS. — *Convolvulus massonii* (Convolvulaceae), *Sideritis massoniana* (Labiatae).

MAUL, GÜNTHER E. (1909-), German zoologist, since 1943 head of the Museu Municipal, Funchal; collected plants from Madeira and the Salvage Islands are in the same museum, herb. MADM.

MENEZES, CARLOS AZEVEDO DE (1863-1928), Portuguese botanist living most of his life time in Funchal, employed at the Municipal Corporation of Funchal, latterly as head of the Municipal Library. Plant collections in herb. COI, P and MADS. His diatoms went to the Swiss botanist C. ZIMMERMANN and his fungi to the French botanist C. TORREND. — *Menezesia* C. Torrend (Fungi), *Campylopus flexuosus* var. *menezianus* (Musci), *Semele menezesii* (Liliaceae), *Epilobium parviflorum* var. *menezesii* (Onagraceae).

MONIZ, JOÃO MARIA (1822-1898), Madeiran botanist and zoologist; his herbarium was sold to R. P. MURRAY and is now in herb. K., a part of it was on loan to R. TH. LOWE and was lost at his death in 1874, a lichen-collection is kept in herb. MADS, Funchal. Plants also in herb. COI and LISU. — *Monizia* Lowe (Apiaceae), *Helichrysum monizii* (Compositae), *Scrophularia moniziana* (Scrophulariaceae), *Carex moniziana* (Cyperaceae).

MOSELEY, HENRY NOTTIDGE (1844-1891), English zoologist, collector on the «Challenger» Expedition 1872-76, which called also at Madeira. Collections in herb. BM, K etc.

MURRAY, RICHARD PAGET (1842-1908), English botanist collecting

in Madeira in 1894-95; he bought J. MONIZ's herbarium. Plants in herb. BM.

NAUMANN, FRIEDRICH CARL (1841-1902), German naval surgeon, collector on the «Gazelle» trip around the world 1874-76, which called also at Madeira in 1874. Plants in herb. B.

NÓBREGA, MANUEL DE (1928-), Madeiran clergyman, now living in Quinta Grande; he collected mosses for A. LUISIER and phanerogams in both Madeira, Porto Santo and the Desertas; Selvagem Grande was visited in 1953 and 1954. His collections (up to about 1960) are in herb. MADM and MADS. — *Fissidens nobreganus* (Musci).

NORMAN, FRANCIS M. (data unknown), English naturalist collecting plants in Madeira in 1865-66 together with L. KNY (ca. 425 nos.), see L. KNY. — *Normania* Lowe (Solanaceae).

NORONHA, ADOLFO CÉSAR DE (1873-1963), Madeiran zoologist and botanist, working as a librarian at the Biblioteca Pública, Funchal, later on head of the Museu Municipal do Funchal, founded in 1929 (1929-1943). Collected plants in Porto Santo 1900-02, Bugio (Desertas) and Salvage Islands in May 1922; some diatoms went to the Swiss botanist C. ZIMMERMANN. Plants in herb. MADM.

ORMONDE, F. E. M. (1943-), Portuguese botanist in Coimbra collecting plants in Madeira in the 1970-ies, plants in herb. COI.

PAULSEN, OVE (1874-1947), Danish botanist, who brought together ca. 100 plant specimens in Madeira and the Azores in the years 1895-96 on his trips to and from the former Danish West Indies (Virgin Islands). Plants in herb. C.

PERRSSON, HERMAN (1893-), Swedish bryologist collecting mosses in Madeira in 1937 and 1952 together with G. EEN. Plants in herb. S. — *Fissidens perssonii* (Musci).

PICKERING, C. H. C. (FLS.) (1906-1976), English major, for many years a resident of Funchal, Madeira. Besides in Madeira and Porto Santo he also collected plants in the Salvage Islands in 1958, 1959, 1961 and 1963. Plants in herb. K, MADM. — *Saxifraga pickeringii* (Saxifragaceae).

RADDI, GIUSEPPE (1770-1829), Italian botanist visiting Madeira during his journey to Brazil in 1819. No information of his possible collections from Madeira are available at present.

RAMSAY, CHRISTINA, Countess of Dalhousie, b. Broun (1786-1839), English botanist collecting in Madeira in 1829, plants in herb. E, K.

RATHKE, JENS (1769-1855), Danish zoologist travelling in Portugal in 1798-1800 and also paying a visit to Madeira. Plants in herb. C.

ROMARIZ, C. (1920-), Portuguese botanist and geologist who collected plants in Madeira in 1949 and 1951. Plants in LISU.

RUSTAN, ØYVIND H. (1954-), Norwegian botanist collecting in Madeira, Porto Santo and Deserta Grande in May-July 1978, plants in herb. O and MADM.

SANTOS, RUI (1934-), born in Funchal, at present agricultural technician at the Estação Agrária in Porto Santo. Plant collection in herb. MADJ.

SARDINHA, ARMANDO (1931-), Portuguese clergyman, at present professor of natural sciences in Lisboa; plants collected in Madeira in herb. COI and MADJ.

SARMENTO, ALBERTO ARTHUR (1878-?), Madeiran writer and military man, collected plants in Deserta Grande in 1903. — *Scirpus pungens* var. *sarmentoi* (Cyperaceae).

SCHACHT, HERMAN (1814-1864), German botanist in Bonn, visited Madeira in 1856 to study and collect *Visnea mocanera*. Plants in herb. B.

SCHMITZ, ERNESTO JOÃO (1845-1922), German zoologist, clergyman, teacher and vice-rector at the «Seminário Episcopal do Funchal» and founder of the natural history-museum at this seminarium (MADS, see Barreto above!). Lived in Funchal 1878. 1898 and again 1902-1908, collected a herbarium of algae, some of which were published by C. MENEZES, other parts are in herb. MADM and MADS. — *Bystropogon* × *schmitzii* or *B. maderensis* var. *schmitzii* (Labiatae), *Pluteolus schmitzii* (Fungi).

SCHOTTMÜLLER, OTTO (data unknown), German botanist, together with M. WICHURA (1817-1866) participant of the «Preussische Expedition nach Ostasien» 1860-62, calling also at Madeira. Plants in herb. B.

SCOULER, JOHN (1804-1871), English surgeon and naturalist on the Hudson Bay Company ship «William and Mary»s travel to Northwest America 1824-25. This expedition also called at Madeira, and possible plant collections should be in herb. DBN and K.

SIMON, CH. (1908-), Swiss chemist and botanist paying several visits to Madeira in the 1960-70-ties. Plants in Basel (private herbarium) and in herb. MADM.

SJÖGREN, ERIK (1933-), Swedish botanist collecting phanerogams and mosses in Madeira in the years 1964-73. Plants in herb. UPSV, a moss-collection in herb. MADM.

SLOANE, HANS (1660-1753), Irish physician and naturalist, who visited Madeira on October 21.-23., 1687 and collected some 55 plants, now in herb. BM.

SMITH, CHR. (1785-1816), Norwegian-Danish botanist, who visited Madeira in 1815 together with. L. VON BUCH. Plants in herb. K and elsewhere.

SVENTENIUS, ERIC (1910-1973), Swedish botanist living for many years in Tenerife and in Gran Canaria; he visited the Salvage Islands in 1953 and 1968, and Madeira in 1962. Plants in herb. ORT.

TAVARES, CARLOS DAS NEVES (1914-1972), Portuguese botanist who visited Madeira in 1951 and collected lichens and mosses (ca. 300 nos. of Hepaticae and 71 nos. of Musci). His mosses were determined and published by C. SERGIO. Plants in herb. LISE and LISU.

TAYLOR, HELENA M. (ca.1842-1907), English naturalist living for many years in Madeira, where she collected some marine algae, now in herb. K.

TRELEASE, WILLIAM (1857-1945), American botanist collecting mosses in Madeira in June 1896; his collections were named by the French botanist J. CARDOT (1860-1934) and are now in herb. PC.

TUTIN, THOMAS G. (1908-), English botanist who collected plants in Madeira in 1929, now in herb. CGE.

VAHL, MARTIN (1869-1946), Danish geographer, who visited Madeira in 1901-02 and again in 1921-22. He wrote a thesis on Madeira's plantlife (Danish and German version) and collected a number of plants, now in herb. C. — *Rubus vahlII* (Rosaceae).

VALLE PARAISO, VISCONDE DE (data unknown), Portuguese naturalist who collected plants in Deserta Grande in 1911.

VIEIRA, RUI (1926-), Portuguese agronomist, head of the Botanical Garden in Funchal (founded in 1960), plant collections in herb. MADJ.

VOGEL, THEODORE (1812-1841), German botanist, participant of the «Niger-Expedition» 1841, collected plants (4 days) in Madeira in the same year, now in herb. K.

WEBB, PHILIP BARKER (1793-1854), English traveller and naturalist, who visited Madeira and Porto Santo in 1828. Plants in herb. FI.

WELWITSCH, FRIEDRICH M. J. (1806-1872), Austrian botanist who stayed in Madeira in August 1853 collecting a few plants, now in herb. LISU.

WINTER, KARL HERMANN (1845-1933), German medical doctor and bryologist, who visited Madeira in the spring 1912; plants in herb. JE.

ZINO, PAUL ALEXANDER (data unknown), Madeiran naturalist, who collected in the Salvage Islands in 1957. Plants in herb. MADM.