

Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2013

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The herbarium accessions amount to 16,777 specimens, including 5,605 phanerogams and pteridophytes, 2,573 specimens of bryophytes and algae, 3,448 specimens of fungi and 5,151 specimens of lichens. Some details of noteworthy accessions are given here.

The accessions comprise 16,777 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2013 (5,605 specimens in the Vascular Plant Herbaria, 2,573 specimens in the Bryological and Algal Herbaria and 8,599 specimens in the Mycological Herbaria). The material has been received from the staff of the Museum and from other institutions, and as donations from private persons, or their reliquiae (marked "reliq."). The Botanical Museum offers the sincerest thanks to all donors. A considerable number of specimens has been obtained by exchange ("e") from other institutions.

Due to lack of space in the Vascular Plant Herbaria, deaccession of duplicate specimens was started in 2013. Because some of the specimens may have been used as vouchers, e.g. in taxonomic or floristic studies, all the specimens are databased before removing them from the collections.

The total number of specimens in the systematic collections of H at the end of 2013 was 3,270,648; 1,687,967 of them are phanerogams, 93,479 pteridophytes, 2,365 zooecidia, 612,828 bryophytes, 22,103 algae, 425,781 lichenized fungi and 426,125 non-lichenized fungi (including bacteria and viruses).

Some details of the most noteworthy accessions are given below. The italicised abbrevia-

tions *Al*, *Ab*, *N*, etc. in the lists refer to the biogeographic provinces of East Fennoscandia (map in Uotila et al., *Memoranda Soc. Fauna Flora Fennica* 77:14. 2001) and *Ög*, *Upl*, *Tr*, *VFi* etc. to the biogeographic provinces of Sweden and Norway (map on the back cover of Jonsell, B., ed., *Flora Nordica*. 2000–). Abbreviations in capital letters used for the herbaria are according to Index Herbariorum, I: The Herbaria of the World (<http://sciweb.nybg.org/science2/IndexHerbariorum.asp>).

Among the accessions the various systematic groups are represented as follows:

	East Fennoscandian Herbaria	General Herbaria	Total
Phanerogams Division			
Pteridophytes	89	78	167
Spermatophytes	2,620	2,818	5,438
Cryptogams Division			
Bryophytes	1,052	1,511	2,563
Algae	10	0	10
Mycology Division			
Lichenized Fungi	3,343	1,808	5,151
Non-lichenized Fungi	1,509	1,939	3,448
Total	8,623	8,154	16,777

Vascular Plant Herbaria

East Fennoscandian Herbarium

83, mainly Finland (*N*), Russia (*Kon*); Ahti, T. – 1,097, mainly Finland (*Ab, N*), Russia (*Kpoc*); Alanko, P. – 196, mainly *Al*; Hægström, C.-A. – 84, mainly *Ta*; Haikonen, V. – 41, Jalas, J. (reliq.). – 58, *Ta*; Kääntönen, M. – 30, mainly *Ta*; Kämäräinen, H. – 82, *Li*; Laasonen, L. – 268, Russia (*Lim, Lp*; leg. M.N. Kozhin); Moscow, MW (e). – 188, mainly Russia (*Lim, Lv, Lps, Lt*); Piirainen, M. – 149, *Hieracium, Ta*, Pälkäne; Ranta, Y. – 100, mainly *Kb*; Räsänen, J. – 30, *Al*; Stjernberg, T.

Small numbers of specimens have been received from: Alava, S.; Anttila, I.; Christenhusz, M.J.M.; Glazkova, E.; Hällfors, M.; Havas-Matilainen, P.; Heikkinen, M.; Helsinki, HSI; Högman-Wecksell, L. (reliq.); Horppila, P.; Karjalainen, J.; Kekki, T.; Koistinen, J.; Kosonen, K.; Laaksonen, K.; Lehtinen, S.; Leppänen, R.; Miettinen, M.; Murto, R.; Nurmi, J.; Ojala, M.; Parkko, P.; Petrozavodsk, PTZ; Poijärvi, J. (reliq.); Rahkonen, S.; Ranta, P.; Rantiala, P.; Rintanen, T.; Ruuhijärvi, R.; Salmi, V.; Sivenius, T.; Thuneberg, O.; Tuomela, A.-M.; Turku, TUR; Tynys, S.; Ulvinen, T.; Uotila, P.; Virtanen, T.; Vuokko, S.; Väre, H.

General Herbarium

83, Canada, South Korea, Mexico, The Netherlands, Russia (Asia), United States; Ahti, T.; – 892, mainly Finland (cult.); Alanko, P. – 442, China (Hunan); Beijing, PE (e). – 135, mainly United States; Christenhusz, M.J.M. – 542, Iran, herb. P. Aellen; Geneva, G (e). – 50, mainly Germany, Austria, Gottschlich: *Hieracia Europaea Selecta* 9: 401–450; Gottschlich, G. – 269, Finland (*N*, cult.); Kouvolaa, Arboretum Mustila. – 30, mainly Norway (ØFi), Piirainen, M. – 30, *Taraxacum*, China, Kazakhstan, Macedonia, Mongolia, Poland, Sweden (*Nb*), incl. 1 isotype and 11 paratypes; Räsänen, J. – 215, Spain (Canary Islands, La Gomera); Väre, H.

Small numbers of specimens have been received from: Dzhus, M.; Grén, A.; Hällfors, M.; Hämet-Ahti, L.; Helsinki, Finnish Museum of Natural History, Exhibition and Conservation teams; Helsinki, HSI; Ilén, P.; Kämäräinen, H.; Kocián, J.; Koistinen, M.; Ljubljana, LJS; Madrid, MA; Murto, R.; Nairobi, EA; Parkko, P.; Petrozavodsk, PTZ; Piispala, E.; Pulkkinen, M.; Rahkonen, M.; Rissanen, A.; Saari, M.; Ståhl, P.; Tromsø, TROM; Uotila, H.; Uotila, P.; Vaniala, A.; Volgograd, Volgograd State Pedagogical University.

Bryological and Algal Herbaria

East Fennoscandian Herbarium

61, Arkkio, H. – 144, Fellman, J. (reliq.). – 113, *N*; Kopperi, A. (reliq.). – 81, *Ks*, Kotilainen, M.J. (reliq.). – 87, *Al, Ab, St, Kn, Lks*; Laaka-Lindberg, S. – 81, *Lkk, Lks*; Laaksonen, K. – 174, Russia, mainly *Kl*, Pankakoski, A. (reliq.). – 30, *Ab, Ta*; Parnela, A. – 130, *Ab*, Pykälä, J. – 53, incl. Afonina et al.: *Bryophyta Rossica et Civitatum Collimitaneorum Exsiccata* 9: 351–400; St. Petersburg, LE (e).

Small numbers of specimens have been received from: Ahti, T.; Alanko, P.; Boychuk, M.; Christenhusz, M.J.M.; Enroth, J.; Haikonen, V.; Hiitonen, I.; Kanerva, R.; Karttunen, K.; Lindberg, H. (reliq.); Rintanen, T.; Tulonen, T.; Uotila, P.; Vitikainen, O.

General Herbarium

60, mainly United States (California), San Francisco, CAS. – 146, mainly Germany; Göttingen, GOET. – 40, incl. Deguchi & Yamaguchi: *Bryophytes of Asia* 9: 201–225; Hiroshima, HIRO. – 25, Russia (Asia); Ignatov, M. – 25, Bakalin & Constantinova: *Hepaticae Rossicae Exsiccatae* 2: 26–50; Kirovsk, KPABG (e). – 43, mainly Canada, Papua New Guinea; Koponen, T. – 62, Japan; Nichinan, NICH (e). – 446, mainly Canada, France; Québec, QFA. – 124, China; Shenyang, IFP. – 106, mainly Chile, United States, incl. isotypes of *Leptodictyum wallacei* and *Orthostichopsis fornicata*; St. Louis, MO (e). – 47, Russia (Asia and Europe), Afonina et al.: *Bryophyta Rossica et Civitatum Collimitaneorum Exsiccata* 6: 201–250; St. Petersburg, LE (e) – 50, incl. Higuchi: *Bryophyta Selecta Exsiccata* 33: 1301–1325; Tsukuba, TNS. – 129, mainly United States; Vancouver, UBC (e).

Small numbers of specimens have been received from: Ahti, T.; Alanko, P.; Beijing, PE; Edinburgh, E.; Enroth, J., incl. holotype of *Neckera inopinata*; Fuertes, E.; Hyatt, P.; Laaka-Lindberg, S.; Lincoln, CHR; Lindholm, T.; Madrid, MACB; Pajunen, A.; Pócs, T.; Reading, RNG (e); Shevock, J., incl. isotype of *Pohlia robertsonii*; Uotila, P.; Vitoria-Gasteiz, VII.

Mycological Herbaria

East Fennoscandian Herbarium

Lichenized Fungi. – 118, *Ks, Li*, Russia (*Kon*); Ahti, T. – 119, *N, St, Ta*; Haikonen, V. – 3,018, *Ab, N, Ks*; Pykälä, J.

Small numbers of specimens have been received from: Alanko, P.; Fadeeva, M.; Höijer, P.; Kekki, T.; Petrozavodsk, PTZ; St. Petersburg, LECB; Uppsala, UPS (e).

The main collection areas of the material received in 2013:

	Spermatophyta	Pteridophyta	Bryophyta	Algae	Lichenized Fungi	Other Fungi	Total
Finland	2,167	59	823	7	3,250	1,501	7,807
Russia (Asia)	13	0	105	0	225	1,145	1,488
Finland (cultivated)	1,153	9	0	0	0	0	1,162
United States	159	7	248	0	435	121	970
Russia (East Fennoscandia)	461	30	229	3	93	8	824
Canada	14	0	363	0	341	55	773
China	451	44	151	0	11	0	657
Iran	542	0	0	0	0	0	542
Russia (Europe)	13	2	16	0	53	208	292
Spain (Canary Islands)	209	3	11	0	6	0	229
France	3	0	111	0	2	64	180
Zambia	0	0	0	0	0	180	180
Norway	58	1	3	0	17	97	176
Denmark (excl. Faroes and Greenland)	8	0	0	0	140	0	148
Japan	0	0	121	0	20	0	141
Germany	32	0	94	0	9	0	135
Estonia	61	0	4	0	5	1	71
United Kingdom	3	0	5	0	59	2	69
Costa Rica	0	0	4	0	55	8	67
Sweden	10	0	12	0	26	17	65
Chile	0	0	26	0	35	0	61
Ecuador	4	12	5	0	29	8	58
Denmark (Greenland)	0	0	6	0	50	0	56
New Zealand	0	0	7	0	43	3	53
Austria	7	0	4	0	36	0	47
Peru	0	0	1	0	40	0	41
Argentina	0	0	13	0	25	1	39
Tanzania	0	0	30	0	0	0	30
Papua New Guinea	0	0	23	0	1	0	24
Indonesia	0	0	4	0	18	1	23
Bolivia	0	0	16	0	5	0	21
Switzerland	3	0	14	0	4	0	21
Other countries	67	–	114	–	118	28	327
Total	5,438	167	2,563	10	5,151	3,448	16,777

Non-lichenized Fungi. – 30, *N, Ta, Kb, Lks*; von Bonsdorff, T. – 219, *N, St, Ta, Om*; Haikonen, V. – 39, *Ab, N, Ta, Sa, Kl, Obu*; Höijer, P. – 70, *Ab, N, Kb, Le*; Korhonen, M. – 57, *N, Ta, Lks, Li*; Kotiranta, H. – 346, *Ab, N, Sa, Kl, Tb, Kb, Om, Ok, Obu, Ks, Lks*; Kytövuori, I. – 122, *Ab, N, St, Ta, Kb, Lkk*; Niemelä, T. – 96, mainly *Lks*; Pennanen, J. – 99, mainly *Ab*; Pykälä, J. – 290, *Ab, N, Ta, Sa*; Salo, P.

Small numbers of specimens have been received from: Ahti, T.; Hæggström, C.-A.; Harmaja, H.; Henssen, A.; Junninen, K.; Karttunen, K.; Kekki, T.; Kosonen, L.; Kuopio, KUO; Lahti, M.; Miettinen, O.; Niskanen, T.; Ojala, M.; Oulu, OULU (e); Partanen, K.; Pekanpalo, R.; Penttilä, R.; Piirainen, M.; Rämä, T.; Rintanen, T.; Ruotsalainen, J.; Saarenoksa, R.; Salmi, P.; Savola, K.; Söder-

holm, U.; Takala, T.; Tamminen, R.; Töllikkö, S.; Tuovila, H.; Turku, TUR-A (e); Uimonen, J.; Vauras, J.; Vitikainen, O.

General Herbarium

Lichenized fungi. – 699, mainly Canada (Newfoundland, Nova Scotia, Ontario), United States (Alaska, Aleutian Islands); Ahti, T. – 55, Costa Rica; Clerc, P. – 190, Lichenes Danici Exsiccati 26: 616–635, 27: 636–655, 28: 656–675, 29: 676–695, 30: 696–715, 31: 716–735, 32: 736–755, Lichenes Groenlandici Exsiccati 35: 1125–1149, 36: 1150–1174; Copenhagen, C (e). – 45, Lichenotheca Graecensis 21: 401–420, Selected exsiccata of *Caloplaca* 3: 51–75 incl. isotype of *Caloplaca syvashica*, paratypes of *C. skii*, *C. neotaurica*; Graz, GZU (e). – 121, Russia (Kamchatka) incl. paratype of *Ramonia himelbrantii*; St. Petersburg, LECB. – 100, Lichenes Austroamerici ex Herbario Regnelliano 25–28: 601–700, incl. isoeotype of *Pentagenella fragillima*; Stockholm, S (e). — 80, United States (mainly Aleutian Islands); Talbot, S.S. – 25, Lichenes Minus Cogniti Exsiccati 19: 451–475; Tsukuba, TNS (e). – 51, incl. Lichenes Selecti Exsiccati Upsalienses 17: 401–425, 18: 426–450, incl. isotypes of *Aspicilia granulosa*, *Heterodermia parva*; Uppsala, UPS (e).

Small numbers of specimens have been received from: Akureyri, AMNH; Aptroot, A.; Awasthi, D.D.; Björk, C.R.; Bruun, H. (reliq.); Cajander, A.K. (reliq.); Carlberg, T.; Christenhusz, M.J.M.; Haikonen, V.; Hämet-Ahti, L.; Helsinki, HSI; Henssen, A.; Högnabba, F.; Ithaca, CUP;

Konoreva, L.; Kunming (KUN); Lai, M.J. (reliq.); Lendemmer, J.; Leiden, L.; Lommi, S.; McCarthy, J.; McCune, B.; Miettinen, O.; Ohmura, Y.; Osorio, H.S.; Oslo, O.; Ottawa, CANL (e); Padang, ANDA; Pajunen, A.; Prague, PRC; Richardson, D.H.S.; Riverside, UCR; Sir Grenfell College, Memorial University of Newfoundland, Corner Brook, NFLD (e); St. Petersburg, LE (e); Schiefelbein, U.; Scotter, G.W.; Steinová, J.; Tuomikoski, R. (reliq.); Vancouver, UBC (e); Väre, H.; Yakovchenko, L.S.; Zhurbenko, M.P.

Non-lichenized Fungi. – 65, mainly Canada, United States; Ahti, T. – 180, Zambia; Härkönen, M. – 81, mainly France, Norway; Korhonen, M. – 199, Norway, Russia (Europe); Kotiranta, H. – 38, mainly Ecuador, Costa Rica; Oslo, O. – 70, mainly United States; Seattle, WTU. – 1,170, Russia (Asia, mainly Khabarovsk Territory); Spirin, V.

Small numbers of specimens have been received from: Cajander, A.K. (reliq.); Bologna, HUBO; Christenhusz, M.J.M.; Göteborg, GB; Hæggström, C.-A.; Haikonen, V.; Henssen, A.; Kytövuori, I.; Lahti, M.; Lyon, LY; Miettinen, O.; Niemelä, T.; Niskanen, T.; Oulu, OULU (e); Pajunen, A.; Riverside, UCR; Svantesson S.; Turku, TUR-A; Uppsala, UPS; Vitikainen, O.; Vlasák, J.

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