

Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2019

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The herbarium accessions amount to 16,863 specimens, including 3,808 phanerogams and pteridophytes, 500 specimens of bryophytes, 12 specimens of algae, 9,692 specimens of fungi, 2,844 specimens of lichens and 7 specimens of zooecidia. Some details of noteworthy accessions are given here.

The accessions comprise 16,863 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2019 (3,815 specimens in the Vascular Plant Herbaria, 500 specimens in the Bryological Herbaria, 12 specimens in the Algal Herbarium and 12,536 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"). The total number of specimens in the systematic collections of H at the end of 2019 was 3,393,629; 1,718,657 of them are phanerogams, 94,751 pteridophytes, 2,509 zooecidia, 622,216 bryophytes, 25,836 algae, 457,624 lichenized fungi and 472,036 non-lichenized fungi (including bacteria and viruses). The herbarium (HFR) of the former Forest Research Institute, Helsinki, was donated to H in 2016 by its later owner Natural Resources Institute Finland (Luke). The specimens will be incorporated into the systematic collections during several years, and are here marked as Helsinki, HFR.

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 (sweetgum.nybg.org/science/ih/).

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

	East Fennoscandian Herbaria	General Herbaria	Total
Vascular plants team			
Pteridophytes	62	106	168
Spermatophytes	1,746	1,894	3,640
Zooecidia	2	5	7
Bryology and Mycology team			
Bryophytes	264	236	500
Algae	12	–	12
Lichenized fungi	823	2,021	2,844
Non-lichenized fungi	4,813	4,879	9,692
Total	7,722	9,141	16,863

Vascular Plant Herbaria

East Fennoscandian Herbarium

21, *Ab-Ta*; Ahokas, H. – 26, incl. Russia (*Ka, Kon*); Ahti, T. – 107, mainly *Ta, Hieracium, Pilosella*; Alén, H. – 93, mainly *Al, N*; Hægström, C.-A. – 52, *Al*; Hægström, E. (reliq.) – 45, *N, Ta, Sa, Lkk*; Haikonen, V. – 28, *Utricularia*; Helsinki, HEL – 40, *Elatine*; Helsinki, HSI – 25, mainly rare neophytes and casuals; Hietanen, T. – 72, *Ab-Sa, Obu, Le*; Kämäräinen, H. – 41, *Ka, Ta*, mainly rare neophytes and casuals; Kiviniemi, A. – 26, mainly *N*; Koistinen, J. – 31, *Hieracium*, Russia (*Kk, Lim*); Moscow, MW – 25, *Al*; Pennanen, J. – 35, mainly *N*, Russia (*Kpor*); Piirainen, M. – 30, *Kb, Lkk*; Pulkkinen, L. – 25, *Ab*; Pykälä, J. – 206, *Ta* (Pälkäne), mainly *Hieracium, Ranunculus auricomus* group s. lat.; Ranta, Y. – 311, mainly *Taraxacum*; Räsänen, J. – 73, mainly *Taraxacum*; Sennikov, A. – 29, (mainly e); Stockholm, S – 171, mainly voucher specimens for Luomus Genomic Resources Collection; Väre, H.

Small numbers of specimens have been received from: Alanko, P.; Erkamo, V. (reliq); Ervasti, E.; Espoo, Tapiolan lukio; Fitzgerald, H.; Hällfors, M.; Hälvä, S.; Harmaja, H.; Hiltunen, L.; Höijer, P.; Hyvärinen, M.; Jallas, J. (reliq.); Jutila, H.; Järvinen, V.; Kääntönen, M.; Kalliola, R. (reliq.); Kanerva, A.; Kerppola, S.; Kettunen, T.; Kosonen, A.; Kotanen, E.; Kravchenko, A.; Kukkonen, I.; Mäkinen, J.; Martikainen, M.; Niinimäki, H.; Ojanne, M.; Österblom, I.; Parkko, P.; Pihlaja, K.; Puranen, L.; Rajala, T.; Rintanen, T.; Saarinen, K.; Salo, P.; Särkkä, J.; Savola, J. (reliq.); Savolainen, H.; Schildt, H.; Schulman, L.; Skytén, R.; St. Petersburg, LE; Suominen, J.; Suutari, A.; Timonen, J.; Tolonen, A.; Turku, TUR; Uotila, P.; Valta, A. (reliq.); Valtonen, P.; Varis, K.; Vasari, Y. (reliq.); Widén, C.-J.; Winberg, L.; Vuori, A.; Vuorinen, E.; Vuorisalo-Tiitinen, S.

Zooecidia. – Small numbers of specimens have been received from: Hægström, C.-A.; Helsinki, HFR

General Herbarium

357, mainly Canada, Japan, Russia (Asia); Ahti, T. – 32, Estonia; Alanko, P. – 118, mainly Cyprus, Sweden; Hægström, C.-A. – 244, mainly France, Hungary, Switzerland; Juva, M. (reliq.) – 29, mainly Czech Republic, Italy; Leiden, L – 34, mainly Russia (Europe, Arkhangelsk Region); Piirainen, M. – 85, Sweden, mainly *Taraxacum*; Räsänen, J. – 71, Finland (cult.); Saarinen, J. – 315, Estonia; Savola, J. (reliq.) – 348, Cherepanov: *Plantae Vasculares Rossicae et Civitatum Collimitaneorum* 29: 7451–7550, 30: 7801–7850, mainly Kyrgyzstan, Ukraine, Russia (Europe), Russia (Asia); St. Petersburg, LE – 110, mainly Denmark (excl. Faroes and Greenland), Norway, Sweden; incl. isotype of *Polygonum aviculare* subsp. *excelsius*, isoneotype of *Salix purpurea*; Stockholm, S (mainly e) – 65, mainly Finland, Portugal (excl. Azores and Madeira); Väre, H.

Small numbers of specimens have been received from: Ahokas, H.; Cajander, A.K. (reliq.); Canberra, CANB; Espoo, Tapiolan lukio; Finnish Botanical Expedition to West-Central Asia 1972; Fitzgerald, H.; Forsskähl, B.; Fröhner, S.E.; Habibi, F.; Haikonen, V.; Hamina, Haminan lukio; Helsinki, HSI; Hyvärinen, A.; Johnsen, J.I.; Kalela, A. (reliq.); Kalska, E.; incl. isotype of *Talbotiella cheekii*, Kew, K (e); Komulainen, A.; Korolkova, E.O.; Kovalchuk, A.; Kukkonen, I.; Kämäräinen, H.; Lahti, Lahden yhteiskoulu; Linkola, K. (reliq.); incl. isotype of *Chenopodium luteorubrum*, Lomonosova, M.; Luna, L.; Lund, LD (e); McCarthy, J.; Nieminen, N.; Nyman, L.; Piispala, E.; Prague, PRC (e); Pulkkinen, L.; Pyhälä, M.; Rikkinen, J.; Rio de Janeiro, RB; Saarinen, K.; Salmi, V. (reliq.); Seppälä, M.; Umeå, UME; Varis, K.; Vienna, W

Zooecidia. Small numbers of specimens have been received from: Cajander, A.K. (reliq.)

Bryological and Algal Herbaria

East Fennoscandian Herbarium

Bryophytes. – 154, *Lks*; Hamari, S. – 37, incl. Russia (East Fennoscandia); Helsinki, HFR – 21, *A, Kb, Obu*, Koponen, T.

Small numbers of specimens have been received from: Ahti, T.; Bell, N.; Ervasti, E.; Harmaja, H.; Heikkilä, R.; Isoviita, P. (reliq.); Koponen, J.S.W. (reliq.); Kytökari, E. (reliq.); Kytövuori, I.; Lehtola, V.B. (reliq.); Manninen, O.; Mikkola, R.; Pakarinen, P. (reliq.); Piirainen, M.; Vitikainen, O.

Algae. Small numbers of specimens have been received from: Harmaja, H.; Räsänen, J.

General Herbarium

Bryophytes. – 21, Papua New Guinea; Koponen, T. – 23, Papua New Guinea, Solomon Islands, South Africa; Leiden, L (e) – 52, Vietnam; Luong, T.T. – 23, Chile, Thailand; St. Louis, MO (e) – 63, Chile, China, Costa Rica, Mexico, São Tomé and Príncipe, United States; San Francisco, CAS (e) – 25, Japan; Higuchi: *Bryophyta Selecta Exsiccata* 40: 1476–1500; Tsukuba, TNS (e)

Small numbers of specimens have been received from: Ahti, T.; Andrus, R.E.; Botch, M. (reliq.); Crum, H.A. (reliq.); Häyrén-Malmström, A.-M. (reliq.); Heikkilä, R.; Müller, K.; Norris, D.H. (reliq.); St. Petersburg, LE (e); Väre, H.

Mycological Herbaria

East Fennoscandian Herbaria

Lichenized Fungi. – 79, *Al, N, Ta, Kb, Ok, Ks, Li*, Russia (*Kpoc*); Ahti, T. – 22, *Ab, N, Ta, Sa, Tb, Kb, Ok*, incl. holotypes of *Micarea fallax*, *Micarea fennica*, *Micarea pusil-*

The main collection areas of the material received in 2019:

	Spermatophyta	Pteridophyta	Bryophyta	Algae	Lichenized Fungi	Other Fungi	Zooecidae	Total
Finland	1,654	59	242	12	607	4,736	2	7,312
Russia (Asia)	247	3	1	0	351	1,071	5	1,678
Russia (Europe)	91	2	2	0	108	1,262	0	1,465
Sweden	209	2	1	0	33	877	0	1,122
Canada	176	12	3	0	774	52	0	1,017
United States	35	2	54	0	143	728	0	962
Estonia	366	4	0	0	35	437	0	842
Russia (East Fennoscandia)	93	3	22	0	216	77	0	411
Norway	59	1	0	0	88	261	0	409
Brazil	1	0	0	0	218	16	0	235
Finland (cultivated)	141	0	0	0	0	0	0	141
France	105	0	1	0	2	32	0	140
Hungary	79	0	0	0	5	0	0	84
Japan	21	0	0	0	63	0	0	84
Poland	2	0	0	0	6	60	0	68
Denmark (excl. Faroes and Greenland)	64	0	1	0	0	1	0	66
Switzerland	52	1	0	0	1	3	0	57
Vietnam	0	0	52	0	0	0	0	52
Venezuela	0	0	1	0	35	2	0	38
Kenya	0	13	0	0	1	20	0	34
Ecuador	0	0	0	0	28	0	0	28
United Kingdom	7	0	0	0	19	2	0	28
Germany	15	0	2	0	3	6	0	26
Italy	6	17	0	0	2	1	0	26
Cuba	1	23	0	0	1	0	0	25
Kyrgyzstan	25	0	0	0	0	0	0	25
Papua New Guinea	0	0	25	0	0	0	0	25
Portugal (Azores)	0	0	0	0	18	7	0	25
Tajikistan	25	0	0	0	0	0	0	25
Pakistan	0	0	24	0	0	0	0	24
Ukraine	24	0	0	0	0	0	0	24
Mexico	0	0	9	0	13	0	0	22
Cyprus	20	0	0	0	0	0	0	20
other countries	122	26	60	0	74	41	0	323
Total	3,640	168	500	12	2,844	9,692	7	16,863

la; Launis, A. – 33, Russia (*Ka, Ik*); St. Petersburg, LECB – 625, Finland, Russia; Helsinki, HFR

Small numbers of specimens have been received from: Halonen, P.; Hämet-Ahti, L.; Harmaja, H.; Hermansson, J.-O.; Hintikka, V.; Jääskeläinen, K.; Julkunen, J.; Juuti-

nen, R.; Kinnunen, J.; Kuusinen, M.; Kytövuori, I.; Manninen, O.; Myllys, L.; Peltonen, L.; Pino Bodas, R.; Rämä, H.; Roukka, M.; Salo, P.; Stenroos, S.; Stepanchikova, I.; Velmala, S.; Weckman, D.

Non-lichenized Fungi. – 59, Russia (Kol); Alanko, P. – 185, mainly *Al*, *N*; Hægström, C.-A. – 571, mainly *Ab* (*N-Li*); Harmaja, H. – 33, *Ab*, *Oa*; Junninen, K. – 63, *N*; Kiema, S. – 48, mainly *Ta*; Kuitunen, T. – 2,092, *Ab-Li*; Kytövuori, I. – 124, *N*, *Ta*, *Ok*, *Obu*, *Lkk*, *Lks*, *Li*, Russia (*Kon*); Manninen, O. – 245, mainly *N*, *Tb*, *Ok*; Miettinen, O. – 75, *Ab*, *N*, *St-Sa*, *Sb*, *Kb*; Penmanen, J. – 34, mainly *Ab*; Pykälä, J. – 21, *Ab*, *N*, *Ta*, *Ok*; Rautavaara, T. (reliq.) – 33, mainly *Sb*; Ruotsalainen, J. (reliq.) – 856, *Al-Li*; Helsinki, HFR – 22, mainly *N*; Väre, H. – 167, *N*; Viner, I.

Small numbers of specimens have been received from: Ahlroth, P.; Ahti, T.; Äikäs, J.; Barkar, T.; Eriksson, I.; Härkönen, M.; Höijer, P.; Jakobsson, S.; Kajavirta, M.; Kalska, E.; Kaukoranta, M.; Kolehmainen, K.; Korhonen, A.; Kotiranta, H.; Kulmala, P.; Kurtze, U.; Kusmin, J.-M.; Kytömäki, J.; Lahti, M.; Lasarov, E.; Leinonen, M.; Lindgren, M.; Mäkelä, M.; Moisaner, M.; Niemelä, T.; Nieminen, J.; Niskanen, T.; Ojala, M.; Oulu, OULU (e); Penttilä, R.; Petrozavodsk, PZV; Pettay, T.; Piipponen, I.; Piirainen, M.; Pulkkinen, M.; Rajamäki, M.; Rättel, E.; Salo, P.; Smolander, E.; Söderholm, U.; Soop, K.; Suominen, J.; Turku, TUR; Uimonen, J.; Uotila, P.; Veräjänkorkva, M.; Veteli, P.; Wikholm, M.

General Herbaria

Lichenized Fungi. – 1,145, mainly Brazil, Canada, Japan, Norway, United States, Venezuela; Ahti, T. – 21, mainly United Kingdom, incl. isocototype of *Leptogium lacerum* var. *filiforme*; London, BM (e) – 50, Canada, Jamaica; Maass, W.S.G. (reliq.) – 25, Canada, T. McMullin & L. Sharp: Lichens of Canada Exsiccata 1: 1–25; Ottawa, CANL (e) – 20, Portugal (Azores), Spain; Pino Bodas, R. – 28, Ecuador, incl. isotype of *Cladonia bungartzii*; Puerto Ayora, CDS – 21, Latvia, Russia; St. Petersburg, LE – 382, Russia; St. Petersburg, LECB – 22, United States (Alaska); Talbot, S.S. – 25, Argentina, Estonia; Tartu, TU (e) – 25, Antarctica, Japan, Russia, Ohmura: Lichenes Minus Cogniti Exsiccata 24: 576–600; Tsukuba, TNS (e) – 50,

mainly Sweden, United States, R. Moberg: Lichenes Selecti Exsiccata Upsalienses 1920: 451–500; Uppsala, UPS (e) – 67, mainly Canada; Helsinki, HFR

Small numbers of specimens have been received from: Brackel, W. von; Bronx, NY; Chesnokov, S.; Dahlkild, Å.; Droker, R.; Feuerer, T.; Fryday, A.M.; Graz, GZU; Hensen, A. (reliq.); Högnabba, F.; Inoue, M.; isoneotypes of *Lichen cervinus* and *Lichen fuscatus*, Kocourková, J.; Koponen, T.; Launis, A.; Lewis-Smith, R.I.; Lång, G. (reliq.); Madrid, MACB; isotype of *Peltula rosulata*, Makryi, T.; Manninen, O.; Marcelli, M.P.; McCarthy, J.W.; Meurk, C.D.; Myllys, L.; isotype of *Parmotrema neosubcrinitum*, São Paulo, SP; Sipman, H.J.M.; Stenroos, S.; Stepanchikova, I.; Svensson, M.; Tagirdzhanova, G.; Teivainen, L. (reliq.); Tsurykau, A.; Urbanavichene, I.

Non-lichenized Fungi. – 63, mainly Canada, Russia (Asia), United States; Ahti, T. – 33, Russia (Asia); Cañander, A.K. (reliq.) – 680, Russia (Asia); Kotiranta, H. – 1,522, mainly Estonia, Norway, Sweden; Kytövuori, I. – 34, Sweden, Russia (Europe); Manninen, O. – 132, mainly Estonia, Poland, Portugal, Russia (Europe), Miettinen, O. – 2,156, Russia (Europe), Russia (Asia), United States; Spirin, V. – 53, mainly Canada, Estonia, Germany, Norway; Helsinki, HFR – 94, France, Russia (Europe), Russia (Asia); Viner, I.

Small numbers of specimens have been received from: Alanko, P.; Dämmrich, F.; Gdansk, UGDA; Gothenburg, GB (e); Hægström, C.-A.; Hansen, E.; Harmaja, H.; Hausknecht, A.; Högnabba, F.; Höijer, P.; Kämäräinen, H.; Kocourková, J.; Lucas, A.; Maass, W.S.G. (reliq.); Oinonen, P.; Pino Bodas, R.; Rättel, E.; Ruotsalainen, J. (reliq.); Ryvarde, L.; Savchenko, A.; St. Petersburg, LE; Stenroos, S.; Tagirdzhanova, G.; Talbot, S.; Vauras, J.

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