

Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2017

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The herbarium accessions amount to 17,691 specimens, including 3,564 phanerogams and pteridophytes, 1,298 specimens of bryophytes, 23 specimens of algae, 11,182 specimens of fungi and 1,624 specimens of lichens. Some details of noteworthy accessions are given here.

The accessions comprise 17,691 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2017 (3,564 specimens in the Vascular Plant Herbaria, 1,298 specimens in the Bryological Herbaria, 23 specimens in the Algal Herbarium and 12,806 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"). Some material has been purchased.

The total number of specimens in the systematic collections of H at the end of 2017 was 3,346,862; 1,703,590 of them are phanerogams, 94,023 pteridophytes, 2,366 zoocidia, 620,771 bryophytes, 22,209 algae, 449,836 lichenized fungi and 454,067 non-lichenized fungi (including bacteria and viruses).

Processing of the extensive private herbarium of Prof. Aino Henssen (1925–2011) was continued, but not yet completed. The herbarium of the former Finnish Forest Research Institute (HFR,

ca. 60,000 specimens in total) was closed and the specimens were donated to H in late 2016. Approximately 28,000 of the specimens were non-lichenized fungi. Of them, 4,481 specimens were incorporated in the Mycological Herbarium in 2017. In addition, 2,581 duplicates or specimens of taxa repeatedly collected from the same localities were removed. The collecting data of these 7,062 specimens were databased and are available at the Finnish Biodiversity Info Facility (<http://Laji.fi>). Most of the specimens were collected from Finland (6,746), while 377 specimens of Aphyllophorales from Canada and 226 from the United States are also worth mentioning. Among the Finnish specimens, 4,631 were Ascomycota and 1,078 "Deuteromycota", the latter group with dozens of new taxa for the collections. The next largest groups were Aphyllophorales (517), Uredinales (369) and Ustilaginales (135).

Some details of the most noteworthy accessions are given below. The italicised abbreviations *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://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	37	13	50
Spermatophytes	1,051	2,463	3,514
Bryology and Mycology team			
Bryophytes	543	755	1,298
Algae	7	16	23
Lichenized fungi	221	1,403	1,624
Non-lichenized fungi	5,069	6,113	11,182
Total	6,928	10,763	17,691

Vascular Plant Herbaria

East Fennoscandian Herbarium

634, Russia (*Kk, Lim, Lv, Lp*); Kozhin, M. – 126, *Hieracium, Pilosella* (*Ta, Pälkäne*); Ranta, Y. – 66, (*Al, N, Lkk, Le*); Väre, H. – 63, Russia (*Ka/Rs, Ik, Kl/Rs*); Erkamo, V. (reliq.) – 46; Hietanen, T. – 34, *N, Ta, Sa*; Kiviniemi, A. – 28, *Alchemilla* (*Kb, Ilomantsi*); Räsänen, J.

Small numbers of specimens have been received from: Fröhner, S.; Haikonen, V.; Järvinen, V.; Kalliovirta, M.; Kämäräinen, H.; Koivisto, A.-M.; Kolehmainen, K.; Kuusisto, P.; Miranto, M.; Niskanen, O.; Parnela, A.; Piirainen, M.; Stjernberg, T.; Suominen, J.; isotype of *Potamogeton × exilis*; Uotila, P.; Vitikainen, O.

General Herbarium

70, Canada, China, Colombia, Russia (Asia); Alanko, P. – 744, Tanzania; Botanical Excursion by Department of Botany, University of Helsinki, and Sokoine University of Agriculture in 1988. – 69, Malawi; Junikka, L. – 1,503, mainly Finland (cult.), also Cuba, Iceland, Slovenia, Spain (Canary Islands); Väre, H.

Small numbers of specimens have been received from: Ahti, T.; Almina, L.; Autio, A.; Fröhner, S.; Gustafsson, S.; Hyvärinen, A.; Kalliovirta, M.; isotype of *Sciadocephala graciliae*, Kew, K (e); Kulju, M.; Kurtto, A.; Saarinen, J.; Särkkä, J.; Svensson, Å.; Uotila, P.; Vaniala, A.

Bryological and Algal Herbaria

East Fennoscandian Herbarium

Bryophytes. – 389, *Lks*; Hamari, S. – 20, *Ab, N, Ta, Ks*; Harmaja, H. – 25, Russia (*Lp*); Moscow, MW – 38, *Ab, N, Sa, Kb, Ks*; Pykälä, J. – 49, *Kb*; Räsänen, J.

Small numbers of specimens have been received from: Ahti, T.; Haikonen, V.; Laaka-Lindberg, S.; Niinimäki, H.; Turku, TUR (e).

Algae. – Small numbers of specimens have been received from: Koistinen, M.; Saarinen, K.; Särkkä, J.

General Herbarium

Bryophytes. – 44, Canada, Costa Rica, Mongolia, New Zealand, Russia (Asia), Tajikistan, United States, Venezuela; Ahti, T. – 35, China (Hunan); Enroth, J. – 25, Japan, Yamaguchi & Katagiri: Bryophytes of Asia 23: 551–575; Hiroshima, HIRO (e) – 271, China (Hunan), Papua New Guinea, incl. holotype of *Philonotis laii*, holotype and two paratypes of *Clastobryum conspicuum* var. *capillaripila*; Koponen, T. – 60, Japan, Russia (Asia, Europe), Singapore, United States; Moscow, MHA – 62, Papua New Guinea; Norris, D.H. (reliq.) – 161, China, Philippines, São Tomé and Príncipe, Taiwan, United States; San Francisco, CAS (partly e) – 25, Japan, Higuchi: Bryophyta Selecta Exsiccata 38: 1426–1450; Tsukuba, TNS (e).

Small numbers of specimens have been received from: Alanko, P.; Cleef, A.M.; Hyvönen, J.; Lai, M.J.; Moscow, MW; Piippo, S.; Rao, P.; St. Petersburg, LE; Stenroos, S.; Väre, H.; Virtanen, V.

Algae. – Small numbers of specimens have been received from: Koistinen, M.; Lazkov, G.

Mycological Herbaria

East Fennoscandian Herbaria

Lichenized Fungi. – Khimich, Borovichev & Isaeva 2016: Fungi of the Murmansk Region (Russian North-West) Exsiccates 1: 1–15; Apatity, INEP; – 20, *N, Ka, Ta, Sa, Lkk*; Haikonen, V. – 83, *Al-N, Ta, Sa, Sb, Kb, Ok, Ks, Lkk, Le*, holotypes of *Atla oulankaensis*, *A. tibelliorum*, *A. vitikainenii*, *Verrucaria ahtii*, *V. lapponica*, *V. othmarbreussii*, *V. oulankaensis*, *V. saanaensis*, *V. sublapponica*, *V. vitikainenii*; Pykälä, J. – 91, mainly Russia; Helsinki, HFR.

Small numbers of specimens have been received from: Ahti, T.; Demidova, A.; Ervasti, E.; Harmaja, H.; Henssen, A. (reliq.); Kukkonen, I.; Salonen, V.; Skytén, R.

Non-lichenized Fungi. – 33, *Al, N, Obo*; Hægström, C.-A. – 100, *Ab, N, Ta, Sa, Obu, Lkk*; Haikonen, V. – 104, *N, Ka, Sb, Ok, Obu, Lkk, Lks*; Kekki, T. – 121, *N, St*; Ko-

The main collection areas of the material received in 2017:

	Spermatophyta	Pteridophyta	Bryophyta	Algae	Lichenized Fungi	Other Fungi	Total
Finland	378	13	518	2	126	5,033	6,070
Russia (Asia)	4	1	59	0	24	2,385	2,473
Finland (cultivated)	1,371	1	0	0	0	0	1,372
Canada	10	0	7	0	303	567	887
Russia (East Fennoscandia)	673	24	25	5	95	36	858
Tanzania	737	5	0	0	0	3	745
United States	0	0	54	0	165	284	503
Spain (Canary Islands)	140	0	0	0	9	325	474
Greece	0	0	0	0	0	417	417
China	1	0	325	0	19	36	381
Portugal (Madeira)	0	0	3	0	6	336	345
Sweden	1	0	0	0	14	315	330
Russia (Europe)	0	0	9	0	17	302	328
Vietnam	0	0	0	0	232	0	232
Denmark (excl. Faroes and Greenland)	0	0	0	0	0	230	230
Japan	0	0	51	0	5	116	172
Norway	70	0	1	0	20	39	130
Venezuela	0	0	7	0	110	5	122
Latvia	1	0	0	0	0	119	120
Papua New Guinea	0	0	109	0	1	0	110
Mongolia	1	0	4	0	66	6	77
Spain (excl. Canary Islands)	0	0	0	0	1	76	77
Malawi	69	2	0	0	0	1	72
New Zealand	0	0	11	0	59	2	72
Poland	0	0	0	0	0	70	70
Lithuania	0	0	0	0	0	60	60
Uruguay	0	0	0	0	43	15	58
Germany	1	0	0	0	6	49	56
Brazil	1	0	0	0	49	4	54
Netherlands	0	0	0	0	0	50	50
São Tomé and Príncipe	0	0	49	0	0	0	49
Paraguay	0	0	0	0	47	0	47
Taiwan	0	0	47	0	0	0	47
Hungary	0	0	0	0	0	46	46
Iceland	1	0	0	0	11	33	45
Slovenia	37	4	0	0	0	0	41
India	0	0	0	0	0	40	40
Portugal (Azores)	0	0	3	0	6	27	36
Ireland	0	0	0	0	4	31	35
Argentina	0	0	0	0	34	0	34
Croatia	0	0	0	0	2	22	24
Switzerland	0	0	0	0	11	12	23
Australia	0	0	0	0	21	1	22
Bulgaria	0	0	0	0	0	22	22
Estonia	0	0	0	0	12	10	22
Chile	0	0	0	0	20	0	20
United Kingdom (Falkland Islands)	0	0	0	0	20	0	20
Other countries	18	0	16	16	66	57	173
Total	3,514	50	1,298	23	1,624	11,182	17,691

tiranta, H. – 189, *Al-N, St-Kl, Tb, Ks, Le, Li*; Kuitunen, T. – 165, *Ab, N, St, Tb-Om, Obu, Ks, Le*; Kytövuori, I. – 75, *N, Ta, Tb, Ok, Ks*; Miettinen, O. – 29, *Al*; Pennanen, J. – 340, *Al-N*; Saarenoksa, R. (reliq.) – 31, *Ab, Ka, Ta*; Söderholm, U. – 3,747, various provinces and collectors; Helsinki, HFR.

Small numbers of specimens have been received from: Ahti, T.; Alanko, P.; Antson, A.; Bonsdorff, T. von; Hinder-Ylinen, C.; Höijer, P.; Huhtinen, S.; Huuskonen, A. (reliq.); Julkunen, J.; Kauppi, L.; Kohonen, I.; Korhonen, J.; Kosonen, L.; Laaka-Lindberg, S.; Laaksonen, T.; Lahti, M.; Laine, S.; Manninen, O.; Niemelä, T.; Ojala, M.; Oulu, OULU; Piiipponen, I.; Pykälä, J.; Ruotsalainen, J.; Ryhänen, O.; Salo, P.; Schigel, D.; Spirin, V.; Stjernberg, M.; Tervonen, K.; Turku, TUR-A; Uimonen, J.; Uotila, P.; Väre, H.; Vauras, J.; Yatsink, I.

General Herbaria

Lichenized Fungi. – 747, Argentina, Australia, Brazil, Canada, China, Costa Rica, Estonia, Japan, Mongolia, Paraguay, Russia (Asia), Sweden, United States, Uruguay, Venezuela; Ahti, T. – 20, United Kingdom (Falkland Islands); Dalby, D.H. – 256, Russia (Asia, Europe), Vietnam; Demidova, A. – 224, Argentina, Australia, Austria, Canada, Chile, Croatia, Denmark (Faroes), France, Germany, Iceland, Ireland, Israel, Japan, New Zealand, Norway, Portugal (excl. Azores and Madeira), Portugal (Madeira), South Africa, Spain (Canary Islands), Sweden, Switzerland, United Kingdom, United States, paratype of *Phyllisciella marionensis*; Henssen, A. (reliq.) – 25, Canada; Koponen, T. – 23, Brazil, Chile, Dominican Republic, Venezuela, Kalb & Aptroot: *Lichenes Neotropici* 16: 628–650; Neumarkt, Lichenologisches Institut Neumarkt (e). – 22, Argentina, Chile; Stenroos, S.

Small numbers of specimens have been received from: Alanko, P.; Bronx, NY; Corvallis, OSC; Davydov, E.A.;

Frankfurt, FR; João Pessoa, JPB; Kison, H.-U.; Kunming, KUN; McCarthy, J.; Søchting, U.; paratype of *Lecidea coriacea*, holotypes of *Xylographa erratica*, *X. vermicularis*, isotypes of *X. schofieldii*, *X. septentrionalis*, Spribille, T.; Steinová, J.; Talbot, S.S.; isotypes of *Bryoria kockiana*, *Cliostomum spiribillei*, Vancouver, UBC; Väre, H.

Non-lichenized Fungi. – 65, Brazil, Canada, China, Japan, Mexico, Mongolia, New Zealand, Norway, Poland, Russia (Asia, Europe), Sudan, Switzerland, United Kingdom, United States, Uruguay, Venezuela; Ahti, T. – 3,549, Canada, Croatia, Denmark (excl. Faroes and Greenland), Estonia, Germany, Greece, Hungary, Iceland, India, Ireland, Italy, Japan, Latvia, Lithuania, Malta, Netherlands, Norway, Poland, Portugal (Azores, Madeira), Russia (Asia, Europe), San Marino, Slovakia, Spain (Canary Islands), Spain (excl. Canary Islands), Sweden, Tunisia, United Kingdom, United Kingdom (Gibraltar), United States; Alanko, P. – 29, China; Dai, Y.C. – 1,402, Russia (Asia, Europe); Kotiranta, H. – 273, Russia (Asia); Parmasto, E. (reliq.) – 734, Austria, Belgium, Bosnia and Herzegovina, Brazil, Canada, Denmark (excl. Faroes and Greenland), Estonia, France, Germany, Italy, Netherlands, New Zealand, Norway, Russia (Europe), Sweden, Switzerland, United Kingdom, United States, Uruguay; Helsinki, HFR.

Small numbers of specimens have been received from: Koponen, T.; Kuitunen, T.; Miettinen, O.; Mukhin, V.; Nagy, L.; Nannenga-Bremekamp, N.E. (reliq.); Oulu, OULU; Rättel, E.; Ryvarde, L.; Saarimäki, T.; isotype of *Inocybe baltica*, Turku, TUR-A; Washington, US.

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