

Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2015

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The herbarium accessions amount to 19,879 specimens, including 4,570 phanerogams and pteridophytes, 2,699 specimens of bryophytes, 5,578 specimens of fungi and 7,032 specimens of lichens. Some details of noteworthy accessions are given here.

The accessions comprise 19,879 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2015 (4,570 specimens in the Vascular Plant Herbaria, 2,699 specimens in the Bryological Herbaria and 12,610 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 2015 was 3,310,380; 1,790,678 of them are phanerogams, 93,788 pteridophytes, 2,366 zooecidia, 640,189 bryophytes, 22,141 algae, 440,355 lichenized fungi and 436,703 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.

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 in 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
Phanerogams Division			
Pteridophytes	91	98	189
Spermatophytes	2,275	2,106	4,381
Cryptogams Division			
Bryophytes	250	2,449	2,699
Mycology Division			
Lichenized fungi	1,127	5,905	7,032
Non-lichenized fungi	3,195	2,383	5,578
Total	6,938	12,941	19,879

Vascular Plant Herbaria

East Fennoscandian Herbarium

80, *Ab-Sa*; Ahokas, H. – 64, incl. Russia (*Ka, Kon, Kpor*); Ahti, T. – 36, *Al, N, Ka, Ta, Om*; Helsinki, Botanical Garden – 83, *Ab-Ks*; Erkamo, V. (reliq.) – 157, mainly *Al*; Hægström, C.-A. – 243, *N, Ta, Sa, Obu, Lki, Lkk*; Haikonen, V. – 53, *St*; Hakila, R. – 94; Jalas, J. (reliq.) – 72, *St, Ta, Tb*; Kääntönen, M. – 280; Kämäräinen, H. – 90, *N, Ta, Sa*; Kiviniemi, A. – 33, *N, Ta, Sa*; Koistinen, J. – 79, *Sb*, voucher specimens for DNA barcoding of Finnish flora; Korpelainen, H. – 201, Russia (*Lim*, leg. M. Kozhin); Moscow, MW (e) – 345, *Ab, N, Oa, Kb*; Pykälä, J. – 39, *Ta* (mainly Pälkäne); Ranta, Y. – 40, mainly *Kb*; Räsänen, J. – 24, *Sa*; Saarinen, K. – 23, mainly *Al*; Stjernberg, T. – 59, *St, Oa, Tb*; Suominen, J. – 62; Taarna, J. (reliq.).

Small numbers of specimens have been received from: Aho, S.; Ahola, A.; Alanko, P.; Andersson, C.; Forsten, L.; Gustafsson, S. (reliq.); Heikkinen, M.; Helin, J.; Helsinki, Metsähallitus; Hippi, J.; Jutila, H.; Kallio, E.; Kalska, E.; Kettunen, T.; Kivelä, S.; Koistinen, M.; Koivisto, H.; Kotanen, E.; Kotilainen, M.J. (reliq.); Lahtonen, T.; Lampinen, R.; Lehtiniemi, T.; Lindgren, L.; Lindholm, K.; Mäkinen, A.; Matikainen, P.; Miranto, M.; Øllgaard, H.; Pälkäne, Pälkäneen yhteiskoulu; Parkko, P.; Parnela, A.; Petrozavodsk, PTZ; Piirainen, M.; Rintanen, T.; Ristiulooma, S.; Ruuhijärvi, R.; Stjernberg, M.; Uotila, P.; Uusitalo, A.; Vallinharju, M.; Väre, H.; Virtanen, T.; Wallenius, T.; Winberg, L.

General Herbarium

752, incl. Canada, Russia (Asia), Turkey, United States; Ahti, T. – 50, Finland (cult.); Alanko, P. – 25, mainly Peru, Morocco; Berlin, B (e) – 52, United States; Corvallis, OSC – 32, mainly Finland (cult.), Norway; Haeggström, C.-A. – 28, mainly Finland (cult.); Jalas, J. (reliq.) – 242, mainly Portugal (Azores, Madeira); Kämäräinen, H. – 46, mainly Denmark (excl. Faroes and Greenland), incl. isotypes of *Taraxacum conspersum*, *T. crassum*, *T. frondatum*, *T. latulum*, *T. lentiginosum*, *T. wendtii*; Øllgaard, H. – 58, Canada, United States, incl. paratype of *Helianthus couplanii*; Ottawa, DAO – 188, Australia (Western Australia, leg. M. Christenhusz); Perth, PERTH – 40, Estonia; Savola, J. – 65, Sweden (*Taraxacum*, leg. C.-F. Lundewall); Stockholm, S (e) – 23, Finland (cult.); Vaniala, A. – 499, mainly Russia (Europe); Väre, H.

Small numbers of specimens have been received from: Ahokas, H.; Bishkek, FRU; Cajander A. K. (reliq.); Hämeenkyrö, Frantsilan yrtilä; Haikonen, V.; Hämet-Ahti, L.; Kassel, KAS, incl. isotypes of *Suaeda kulundensis*, *S. sibirica*, *S. tschujensis*, *S. tuvanica*, isoeotype of *S. prostrata*; Kew, K (e); Moscow, MW; Paris, P (e); Petrozavodsk, PTZ; Saarelainen, E.; Saarinen, J.; Sagalaev, V.; Sahi, I.; Sennikov, A.; Shurduk, I.; Taarna, J. (reliq.); Tarkiainen, M.; Uotila, P.; Wien, W (mainly e).

Bryological and Algal Herbaria

East Fennoscandian Herbarium

Bryophytes. – 32, *Ks*; Ahti, T. – 24, *N*; Buch, H. (reliq.) – 23, *Ta, Sa*; Haikonen, V. – 57, Finland (*Ta, Sb, Ks*), Russia (*Ik, Kl, Kol, Kb, Kon, Kpor*); Helsinki, HSI – 22, *N*; Miettinen, O. – 68, *Al-N, St-Sa, Sb-Om, Ks, Le, Li*; Pykälä, J.

Small numbers of specimens have been received from: Enroth, J.; Höjjer, P.; Koponen, T.; Lindholm, T.; Vitikainen, O.

General Herbarium

Bryophytes. – 26, Iceland, United Kingdom, Turkey, Russia (Asia), Canada, United States; Ahti, T. – 60, Australia, Papua New Guinea; Canberra, CBG – 44, Australia (Tasmania), United States (Hawaii); Chicago, F (e) – 25, Japan, Russia (Asia), Yamaguchi & Katagiri: *Bryophytes of Asia 21: 500–525*; Hiroshima, HIRO (e) – 85, Russia (Asia), Bakalin & Borovichev: *Hepaticae Rossicae Exs. 9–10: 201–250* and Pisarenko, Fedosov & Bakalin: *Mosses of the Russian Far East Exs. 1–35*; Kirovsk, KPABG (e) – 365, mainly China, Papua New Guinea, incl. holotype of *Sciuro-hypnum sichuanicum* and paratype of *Papillolejeunea balazsii*; Koponen, T. – 831, Papua New Guinea, incl. holotype and paratypes of *Isocladidiellopsis timodanii*, paratype of *Clastobryum conspicuum* var. *capillaripilum* and holotype and paratypes of *Clastobryum flagelliferum*; Koponen, T. & Norris, D.H. – 23, Kyrgyzstan; Lommi, S. – 109, Bhutan, China, Pakistan; Miede, G. – 166, Papua New Guinea; Nichinan, NICH – 173, Fiji, Papua New Guinea, Solomon Islands, incl. holotype of *Heterophyllum affine* subsp. *solomonense*; Norris, D.H. – 33, China, Philippines; San Francisco, CAS – 187, mainly China, Taiwan; Shevock, J.R. – 188, mainly Sweden; Stockholm, S (e) – 25, mainly Japan, Higuchi: *Bryophyta Selecta Exs. 36: 1376–1400*; Tsukuba, TNS (e)

Small numbers of specimens have been received from: Bates, J.W.; Bronx, NY; Eger, EGR, incl. holotype of *Neckera praetermissa*; Enroth, J.; Frahm, J.-P.; Grolle, R.; Hallingbäck, T.; Helsinki, HSI; Hodgetts, N.G.; Juslén, A.; Kampala, MHU; Kunming, KUN; Long, D.G., incl. isotype and paratypes of *Scapania sinikkae*, isotype and paratype of *Scapania davidii* and isotype of *Scapania schljakovii*; Madrid, MACB; Manju; Miettinen, O.; Nantou, TAIE; Ochyra, R.; Olsson, S.; Porley, R.; Rajesh, K.P.; Riga, RIG; Saint Louis, MO; Salvador, ALCB; Sanda, HYO; St. Petersburg, LE, isotype of *Scapania matveyevae*; Stevenson, C.R.; Thouvenot, L.; Touw, A.; Trondheim, TRH; Vanderpoorten, A.; Vitikainen, O.; Wigginton, M.J.; Wyatt, Robert; Zanten, B.O. van

The main collection areas of the material received in 2015:

	Spermato- phyta	Pterido- phyta	Bryophyta	Lichenized fungi	Other fungi	Total
Finland	2,033	80	195	1,037	3,190	6,535
Canada	430	20	1	1,061	161	1,673
Russia (Asia)	94	4	109	419	958	1,584
United States	106	4	10	1,069	95	1,284
Papua New Guinea	0	0	1,244	1	1	1,246
Russia (Europe)	473	4	3	44	177	701
China	0	0	441	49	99	589
Australia	188	0	46	190	9	433
Poland	0	0	1	4	427	432
Russia (East Fennoscandia)	244	11	55	90	5	405
Argentina	0	0	0	392	0	392
Kyrgyzstan	15	0	23	303	1	342
Sweden	84	0	186	1	22	293
Norway	51	0	14	189	23	277
Portugal (Azores)	29	33	0	206	0	268
Portugal (Madeira)	130	23	0	24	32	209
United Kingdom	18	1	3	174	2	198
Japan	52	3	44	95	2	196
Chile	0	0	0	190	0	190
New Zealand	0	0	17	159	13	189
Spain (excl. Canary Islands)	11	0	5	157	9	182
Netherlands	7	0	0	31	122	160
Finland (cultivated)	146	0	0	0	0	146
Iceland	13	0	2	108	9	132
Turkey	41	2	1	75	9	128
France	18	1	1	50	56	126
Spain (Canary Islands)	26	0	0	93	1	120
Estonia	43	1	0	8	59	111
South Africa	3	0	2	104	0	109
Taiwan	0	0	106	0	0	106
Austria	0	0	2	83	2	87
Switzerland	0	0	0	77	1	78
Solomon Islands	0	0	71	0	0	71
Germany	3	0	0	56	5	64
Lithuania	1	0	0	60	0	61
Mexico	0	0	0	61	0	61
Georgia	0	0	0	58	1	59
Tanzania	0	0	0	0	57	57
Italy	0	0	0	53	0	53
Greece	4	2	0	42	0	48
Bhutan	0	0	45	0	0	45
Denmark (excl. Faroes and Greenland)	42	0	0	0	0	42
Korea (South)	40	0	0	0	0	40
United Kingdom (Bermuda)	0	0	0	36	0	36
Portugal (excl. Azores and Madeira)	0	0	5	30	0	35
Uruguay	0	0	1	27	0	28
Brazil	1	0	3	21	1	26
Israel	0	0	0	24	0	24
Other countries	35	0	63	81	29	208
Total	4,381	189	2,699	7,032	5,578	19,879

Mycological Herbaria

East Fennoscandian Herbarium

Lichenized fungi. – 104, *N, Li*, Russia (*Kol, Kon, Kton*); Ahti, T. – 73, *Ab, N, Ta, Lkk*; Haikonen, V. – 71, *Kb*, incl. *Lecanora norvegica*, new to Finland; Hämäläinen, A. – 52, *St, Ta, Sb, Kb, Ks*; Henssen, A. (reliq.) – 738, *Ab*; Pykälä, J. – 21, *N, Ta*; Taarna, J. (reliq.)

Small numbers of specimens have been received from: Eurola, S.; Hosiaislouma, V.; Karén, V.; Kirovsk, KPABG; Korhonen, M.; Laaksonen, K.; Lommi, S.; Pino Bodas, R.; Rintanen, T.; Ruuhijärvi, R.; Saukkonen, K.; Väre, H.; Vitikainen, O.

Non-lichenized fungi. – 597, *Ab, N*; Alanko, P. – 110, mainly *N, Ta, Sa*; Haikonen, V. – 473, Finland *Al-Ta, Oa, Sb-Kn, Obu-Li*; Harmaja, H. – 322, mainly *Ok*; Helo, P. – 131, mainly *Obu*; Kekki, T. – 33, *N*; Kolehmainen, K. – 69, mainly *Ab, N*; Korhonen, M. – 31, *Ta*; Kosonen, L. – 117, *N, Ta*; Kotiranta, H. – 82, mainly *Ta*; Kuitunen, T. – 92, mainly *A, Ab, St*; Kukkonen, I. – 125, *Ab*; Kunttu, P. – 27, *Ab, N, Ta-Kl, Tb, Ok, Lks*; Kytövuori, I. – 234, *N, Ta, Tb, Ok*; Miettinen, O. – 82, mainly *N, St, Ta*; Niemelä, T. – 34, *Ta, Sa, Tb-Om, Obu, Ks*; Niskanen, T. – 44, *Obo-Ks, Lks*; Oulu, OULU (partly e) – 281, mainly *Ab, Obu, Ks*; Pennanen, J. – 27, *N*; Tuomola, J.

Small numbers of specimens have been received from: Ahti, T.; Askola, P.; Bonsdorff, T.; Ekholm, T.; Eriksson, I.; Hakala, L.; Härkönen, M.; Helle, K.; Hillberg, V.-M.; Hirvonen, E.; Höijer, P.; Honkanen, J.; Huhtinen, S.; Hægström, C.-A.; Jäsberg, U.; Junninen, K.; Kalska, E.; Kinnunen, J.; Korhonen, J.; Kuopio, KUO; Lahti, M.; Nenonen, E.; Ohenoja, E.; Oinonen, P.; Paalamo, P.; Palmén, J.; Penttilä, R.; Pettay, T.; Piipponen, I.; Pykälä, J.; Roponen, P.; Ryttyäri, T.; Saarenoksa, R.; Salo, P.; Saloranta, A.; Saukkonen, K.; Savola, K.; Schigel, D.; Siuvatti, T.; Söderholm, U.; Sorri, O.; Sundström, L.; Taarna, J. (reliq.); Tervonen, K.; Tiensuu, S.; Töllli, A.; Turpeinen, R.; Uimonen, J.; Vantaa, HFR; Väre, H.; Veräjänkorka, M.; Vuorinen, I.; Wikholm, M.; Yli-Suutari, S.

General Herbarium

Lichenized fungi. – 1899, mainly Canada, United States, Russia (Asia), United Kingdom, Iceland; Ahti, T. – 82, United States, Canada; Boise, SRP – 218, mainly United States incl. Lendemer: *Lich. East N. Amer. Exs.* 10: 446–482, isotype of *Strigula griseovirens*; Bronx, NY (mainly e) – 25, Norway; Fritzné, N. – 20, Obermayer: *Lichenotheca Graecensis* 22: 421–440; Graz, GZU (e) – 2418, mainly United States, Argentina, Australia, New Zealand, Portugal (Azores), Japan; Henssen, A. (reliq.) – 20, China; Kunming, KUN (e) – 49, Morse & Ladd: *Lich. Exs. Magnicamporum* 1–50 incl. isotype of *Fellhaneira crucitignorum*; Lawrence, KANU – 303, Kyrgyzstan; Lommi, S. – 104, mainly Spain, Portugal; Madrid, MACB

(e) – 35, Turkey, Portugal (Madeira); Pino Bodas, R. – 108, Lithuania, Norway; Pykälä, J. – 67, Chile; Schiefelbein, U. – 203, Canada; Scotter, G.W. – 196, Russia (Europe and Asia); St. Petersburg, LECB – 61, Georgia, Azerbaijan; Tbilisi, TBI (e)

Small numbers of specimens have been received from: Edinburgh, E; Eurola, S.; Gonnet, O.; Haikonen, V.; Hämäläinen, A.; Himelbrant, D.E.; Hosiaislouma, V.; Jacobsen, P.; Karén, V.; Kirovsk, KPABG; Kison, H.-U.; Koponen, T.; Korhonen, M.; Kukwa, M.; Laaksonen, K.; Lumbsch, H.T.; McIntosh, T.; Miettinen, O.; Nummelin, M.; Ohenoja, E.; Ojasti, J.; Perm, PERM; Pystina, T.N.; Ranta, P.; Rintanen, T.; Roux, C.; Ruuhijärvi, R.; São Paulo, SP; Saukkonen, K.; Taarna, J. (reliq.); Talbot, S.S.; Uppsala, UPS (e); Väisälä, L.; Väre, H.; Vitikainen, O.

Non-lichenized fungi. – 156, mainly Canada, Iceland, Russia (Asia), United States; Ahti, T. – 21, Russia (Asia); Himelbrant, D. – 167, Poland, Russia; Kinnunen, J. – 40, Estonia; Korhonen, M. – 295, Russia (Asia); Kotiranta, H. – 84, mainly Canada, United States; Kukkonen, I. – 135, mainly China, France, United States; Miettinen, O. – 149, France, Netherlands; Nannenga-Bremekamp, N.E. – 57, Tanzania; Saarimäki, T. – 274, Australia, Poland, Russia; Schigel, D. – 789, Russia (Asia); Spirin, V. – 45, China; Ukkola, T. – 32, Portugal (Madeira); Väisälä, L.

Small numbers of specimens have been received from: Bronx, NY; Cajander, A.; Champion, C.; Clapman, D.; Flatau, L.; Flaudas, D.; Gates, G.; Gracia Barba, E.; Hällfors, M.; Hammer, S.; Harmaja, H.; Högnabba, F.; Kekki, T.; Kuitunen, T.; Meyer, M.; Niemelä, T.; Niskanen, T.; Oslo, O; Oulu, OULU (partly e); Parker, A.; Pennanen, J.; Pino Bodas, R.; Rivoire, B.; Ryvardeen, L.; Sennikov, A.; Smith, A.; Stenroos, S.; Svantesson, S.; Tartu, TAAM; Turku, TUR; Uotila, P.; Väre, H.; Yamamoto, Y.

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