

## Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2010

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The herbarium accessions amount to 21,068 specimens, including 3,993 specimens of phanerogams and pteridophytes, 2,558 of bryophytes, 42 of algae, and 14,475 of fungi (incl. lichens). Some details of noteworthy accessions are given here.

The accessions comprise 21,068 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2010 (3,993 specimens in the Vascular Plant Herbarium, 2,558 specimens in the Bryological Herbarium, 42 specimens in the Algal Herbarium, and 14,475 specimens in the Mycological Herbarium). The material has been received from the staff of the Museum and of 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 main part of the extensive private herbarium of Prof. Aino Henssen (1925–2011), Marburg, Germany (ca. 40,000 specimens, mainly lichenized fungi, some non-lichenized fungi and bryophytes) donated by her to H, was transported to Helsinki by 2010, but not yet included in the accession figures.

The total number of specimens in the systematic collections of H at the end of 2010 was 3,216,168; among them 1,670,728 are phanerogams, 92,574 pteridophytes, 2,363 zoocidia, 606,633 bryophytes, 22,080 algae, 411,089 lichenized fungi and 410,701 non-lichenized fungi (including bacteria and viruses). Some details of the most noteworthy accessions (usually 30 spec-

imens or more) are given below; donors of smaller amounts of specimens are listed separately. The italicized 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–).

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

	East Fenno- scandian Herbaria	General Herbaria	Total
<b>Vascular Plant Herbarium</b>			
Pteridophytes	56	36	92
Spermatophytes	1,537	2,364	3,901
<b>Bryological and Algal Herbaria</b>			
Bryophytes	66	2,492	2,558
Algae	14	28	42
<b>Mycological Herbarium</b>			
Lichenized fungi	2,249	2,016	4,265
Non-lichenized fungi	6,927	3,283	10,210
<b>Total</b>	<b>10,849</b>	<b>10,219</b>	<b>21,068</b>

Abbreviations in capital letters used for the herbaria are according to the Index Herbariorum, I: The Herbaria of the World (<http://sciweb.nybg.org/science2/IndexHerbariorum.asp>).

## Vascular Plant Herbaria

### East Fennoscandian Herbarium

288; Alanko, P. – 534, mainly *Al*; Hæggström, C.-A. – 43, *Ka, Sa, Tb*; Kotanen, E. – 168, *Cerastium, N, Sb, Kb, Kn, Obu, Ks*, Russia (*Kl, Ks, Lps*); Kotilainen, M.J. (reliq.) – 39, *N, Ta, Sa*; Kämäräinen, H. – 196, mainly *Ta*; Kääntönen, M. – 49, *Li*; Piirainen, M. – 86, *St*; Suominen, J. – 73, mainly *N, Ta, Sa*; Uotila, P.

Small numbers of specimens have been received from: Hakamies, L.; Huhta, V.; Jakobsson, S.; Koponen, T.; Laurila, S.-L.; Lehtinen, S.; Lyytikäinen, L.; Meriläinen, J.; Miettinen, M.; Niimäki, H.; Piispala, E.; Pälkäne, Pälkäneen yhteiskoulu; Salo, P.; Savola, J.; Sennikov, A.; Valtonen, P.; Väre, H.

### General Herbarium

88, mainly Canada, Russia (Sakha Republic); Ahti, T. – 31, Australia (Tasmania); Hobart, HO (e). – 39, Denmark, Sweden; Lund, LD (e). – 65, Norway (*Sb*); Piirainen, M. – 31, mainly *Taraxacum*; Räsänen, J. – 201, Kyrgyzstan; Sennikov, A. – 914, mainly Kyrgyzstan, Serbia; Uotila, P. – 938, Kyrgyzstan; Väre, H.

Small numbers of specimens have been received from: Alanko, P.; Baytop, A.; Ekman, J.; Fortelius, M.; Hæggström, C.-A.; Hæggström, E.; Kotilainen, M.J. (reliq.); Kämäräinen, H.; Ljungstrand, E.; Moscow, MW (e); Suominen, J.

## Bryological and Algal Herbaria

### East Fennoscandian Herbarium

*Bryophytes*. – Small numbers of specimens have been received from: Ahti, T.; Frahm, J.-P.; Laaka-Lindberg, S.; Maksimov, A.; Preston, C.; Rikkinen, J.; Rintanen, T.

*Algae*. – Small numbers of specimens have been received from: Ahti, T.; Haikonen, V.; Keskinen, E.; Rintanen, T.; Therman, E. (reliq.).

### General Herbarium

*Bryophytes*. – 1, China, isotype of *Anastrophyllum lignicola*; Edinburgh, E. – 78, China (Hunan, Taiwan); Enroth,

J. – 51, Russia (Europe), including Bakalin: Hepaticae Rossicae Exs., no. 76-100; Kirovsk, KPABG (e). – 1640, China, Papua New Guinea; Koponen, T. – 100, Fiji, Papua New Guinea, Solomon Islands; Norris, D. – 165, China (Hunan); Piippo, S. – 80, China (Hunan); Rao, P. C. – 34, U.S.A., Redfearn, Allen & Magill: Mosses of the Interior Highlands 3: 333-367; Saint Louis, MO (e). – 50, China, São Tomé and Príncipe; San Francisco, CAS (e, in part). – 10, Russia (Europe), Dulin: Bryophyta Rei Publicae Komi Exs. 1: 1-10; Syktyvkar, SYKO (e). – 84, Kyrgyzstan, Serbia, Turkey; Uotila, P. – 42, China (Hunan); Virtanen, V.

Small numbers of specimens have been received from: Ahti, T.; Berkeley, UC; Buch, H. (reliq.); Chicago, F (e); Edinburgh, E; Hiroshima, HIRO (e); Hyvönen, J.; Ingmatov, M.; Lindholm, T.; Robertson, R.; Salazar, N.; Schäfer-Verwimp, A.; Soini, S.; Streimann, H.; Sydney, NSW (e); Vitikainen, O.; Väre, H.

*Algae*. – Small numbers of specimens have been received from: Ahti, T., Vitikainen, O.

## Mycological Herbaria

### East Fennoscandian Herbaria

*Lichenized fungi*. – 141, *Ab, N, St, Ta, Oa, Kb, Ok, Ks, Lkk, Lks, Li*, Russia (*Ka*); Ahti, T. – 206, *N, Ta, Sa*; Haikonen, V. – 34, Russia (*Lm*); Konoreva, L. – 1769, *Ab, N, Ka, Sa, Tb*, incl. *Arthrorhaphis aeruginosa* R. Sant. & Tønsh. and *Lecanora persimilis* (Th. Fr.) Nyl., new to Finland; Pykälä, J.

Small numbers of specimens have been received from: Boldt, C. E. (reliq.); Boman, A. (reliq.); Brenner, M. (reliq.); Cantell, S. (reliq.); Fadeeva, M.; Hæggström, C.-A.; Hiitonen, I. (reliq.); Kari, L. E. (reliq.); Kihlman, A. O. (reliq.); Krohn, V. (reliq.); Laaka-Lindberg, S.; Laurila, M. (reliq.); Lindholm, T.; Melechin, A. V.; Paasivirta, O.; Rintanen, T.; Räsänen, V. (reliq.); St. Petersburg, LECB; Stjernberg, M.; Stjernberg, T.; Uotila, P.; Valle, K. J. (reliq.).

*Non-lichenized Fungi*. – 33, *Ab, N, Om, Ok*, Russia (*Ka, Kon*); Ahti, T. – 1739, *Ab, N, Sa, Ks*; Alanko, P. – 185, *Kb*; Anttila, S. – 453, *N, St, Ta, Sa, Sb, Obu, Lkk*; Haikonen, V. – 34, *Sb*; Kajander, L. – 68, *Obu*; Kinnunen, J. – 131, *Ab, N, St, Kb, Obu, Ks, Le*; Korhonen, M. – 273, *Ab, N, Ka, Ta, Sa, Obu, Lkk*; Kotiranta, H. – 38, *N, Ta, Tb*; Laaka-Lindberg, S. – 639, *N, St, Ta, Tb, Sb, Ok, Ks*; Miettinen, O. – 212, *Kl*, Russia (*Kon, Kton, Lim*); Ohenoja, E. – 387, *N*; Peckala, K. – 144, *Ab, N*; Pykälä, J. – 151, *Ab, N, Ta, Ks, Lks*; Salo, P. – 30, *Sb*; Savola, K. – 276, *N*; Ukkola, T. – 1491, *Al, Ab, N, Ka, Ta, Sa, Kb, Obu, Lkk*; Vantaa, HFR. – 102, *Kb*; Vehmaa, P. – 229, microfungi separated from *Peltigera* specimens; Stenroos, S. & Huhtinen, S. – 62, microfungi separated from bryophyte specimens, mainly *Kb, Lkk, Lks, Le, Li*, Russia (*Lp, Lps, Lm*); Lesonen, A.

Small numbers of specimens have been received from: Bonsdorff, T. von; Gaviria, M.; Harmaja, H.; Hildén, M.;

## The main collection areas of the material received in 2010:

	Spermatophyta	Pteridophyta	Bryophyta	Algae	Lichenized fungi	Other fungi	Total
Finland	1,500	53	53	12	2,110	6,764	10,492
China	–	–	1,998	–	–	1,124	3,122
Kyrgyzstan	1,785	15	67	–	10	56	1,933
U.S.A.	–	–	61	–	363	559	983
Canada	46	9	–	25	747	60	887
Russia (East Fennoscandia)	44	–	13	2	139	163	361
Russia (Asia)	27	–	29	–	154	16	226
Russia (Europe)	15	–	37	–	120	31	203
Serbia	139	9	14	–	16	21	199
Norway	77	1	–	1	71	36	186
Spain (excl. Canary Islands)	7	–	–	–	48	117	172
Papua New Guinea	–	–	141	–	3	7	151
Sweden	56	–	–	–	39	25	120
Australia	31	–	28	1	5	50	115
Hungary	95	2	–	–	1	4	102
Japan	–	–	18	–	24	58	100
U.K.	–	–	–	–	52	42	94
Costa Rica	–	–	–	–	–	84	84
Nepal	5	–	–	–	–	66	71
Denmark (excl. Faroes and Greenland)	12	–	–	–	52	–	64
India	–	–	–	–	6	54	60
Kenya	–	–	–	–	10	50	60
Thailand	–	–	6	–	–	50	56
Germany	5	–	–	–	–	46	51
Denmark (Greenland)	–	–	–	–	50	–	50
Brazil	–	–	–	–	5	44	49
Ethiopia	–	–	–	–	–	49	49
Mongolia	–	–	2	–	41	6	49
Italy	–	–	–	–	–	48	48
Colombia	–	–	–	–	–	45	45
Estonia	1	–	–	–	32	6	39
Tanzania	–	–	–	–	–	39	39
Argentina	–	–	–	–	–	35	35
Austria	–	–	–	–	2	29	31
Indonesia	–	–	9	–	–	20	29
New Zealand	–	–	12	–	1	15	28
Solomon Islands	–	–	25	–	–	–	25
Uganda	–	–	–	–	–	25	25
Zimbabwe	–	–	–	–	–	25	25
Turkey	9	–	3	–	9	3	24
Venezuela	–	–	–	–	–	23	23
Iceland	–	–	–	–	20	1	21
Cameroon	–	–	–	–	–	20	20
Chile	–	–	5	–	14	1	20
Other countries	50	–	37	1	121	293	502
<b>Total</b>	<b>3,904</b>	<b>89</b>	<b>2,558</b>	<b>42</b>	<b>4,265</b>	<b>10,210</b>	<b>21,068</b>

Hägglom, N.; Härkönen, M.; Höijer, P.; Junninen, K.; Kalska, E.; Kekki, T.; Kiema, S.; Kirovsk, KPABG; Kontula, T.; Kuopio, KUO (e); Kytövuori, I.; Laasonen, L.; Lahti, M.; Lehto, P.; Leino, M.; Leppälä, E.; Martikainen, M.; Martikainen, P.; Mikkola, J.; München, M.; Murdoch, H.; Narinen, M.; Niemelä, T.; Niemi, M.E.; Oulu, OULU

(e); Pehkonen, K.; Pennanen, J.; Penttilä, R.; Penttinen, A.; Pietilä, P.; Rintanen, T.; Ruotsalainen, J.; Ryvarden, L.; Salo, K.; Sivonen, E.; Söderholm, U.; St. Petersburg, LECB (e); Turku, TUR-A (e); Uotila, P.; Vaario, L.-M.; Veräjänkorka, M.; Wikholm, M.; Vuokko, S.

## General Herbaria

*Lichenized fungi.* – 1175, mainly Canada (Manitoba, Newfoundland, Northwest Territories, Yukon), U.S.A. (Alaska), Mongolia, Norway (*Ak, Ho*), Sweden (*Upl*), U.K. (Wales); Ahti, T. – 204, mainly U.S.A. (Georgia, Pennsylvania), incl. Lendemer: *Lichens of North America Exs. 7: 344–346, 8: 351–400*; Bronx, NY (e). – 103, incl. Hansen: *Lichenes Danici Exs. 21: 506–530, 22: 531–555*, Hansen: *Lichenes Groenlandici Exs. 31: 1025–1049, 32: 1050–1074*; Copenhagen, C (e). – 25, Vondrák: *Selected Exs. of Caloplaca 2: 26–50*; Graz, GZU (e). – 72, Russia (Belgorod Region, Ryazan Region); Konoreva, L. – 73, mainly Spain; Madrid, MACB (e). – 99, Russia (Kamchatka, St. Petersburg); St. Petersburg, LECB. – 25, Ohmura: *Lichenes Minus Cogniti Exs. 16: 376–400*; Tsukuba, TNS (e). – 32, Kyrgyzstan, Serbia, Turkey; Uotila, P. – 48, Russia (Dagestan); Urbanavichus, G.

Small numbers of specimens have been received from: Bergen, BG; Bird, C. D.; Canberra, CANB (e); Frisch, A.; Goward, T.; Koponen, T.; Lindholm, T.; McCune, B.; Nelson, P.; Pettersson, B. (reliq.); Riverside, UCR; Rodrigues, A. F.; São Paulo, SP; Scotter, G. W.; Seaward, M. R. D.; Şenkardeşler, A.; Sennikov, A.; Simmons, H. G.; Sohrabi, M.; Stepanchikova, I.; Stockholm, S; Søchting, U.; Uotila, P.; Uppsala, UPS (e); Zhdanov, I.; Zhurbenko, M. P.

*Non-lichenized Fungi.* – 83, Canada, Estonia, Iceland, Mongolia, Norway, Russia (Sakha Republic), Sudan, Ta-

jikistan, U.S.A.; Ahti, T. – 20, Austria, Italy, Scheuer: *Mycotheca Graecensis 23: 441–460*; Graz, GZU (e). – 363, China (Hunan); Härkönen, M. – 87, Austria, China, Germany, U.K. (Scotland), Indonesia, Norway, Sweden, Switzerland; Miettinen, O. – 50, mainly Australia, Austria, Germany, Triebel: *Microfungi Exs. 27–28: 651–700*; München, M (e). – 197, U.S.A. (Oregon); Rikkinen, J. – 1210, mainly tropics; Ryvardeen, L. – 965, China (Hunan), U.S.A. (Oregon); Ukkola, T. – 100, Hungary, India, Kyrgyzstan (Jalal-Abad Region), Pakistan, Serbia, Turkey; Uotila, P. – 100, mainly tropics, Vánky: *Ustilaginales Exs. 51–54: 1251–1350*; Vánky, K. (e).

Small numbers of specimens have been received from: Dai, Y. C.; Fasth, T.; Hölttä, H.; Kew, K.; Koponen, T.; Korhonen, M.; Kotiranta, H.; Kytövuori, I.; Llistosella, I.; Lyon, LY; Niemelä, T.; Oinonen, P.; Oulu, OULU (e); Ruotsalainen, J.; Salo, P.; Sapporo, SAPA; St. Petersburg, LE (e); Turku, TUR-A (e); Urbanavichus, G.; Vantaa, HFR.

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