

## Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2009

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The herbarium accessions amount to 17,972 specimens, including 6,193 phanerogams and pteridophytes, 2,118 specimens of bryophytes and algae, 9,605 specimens of fungi (incl. lichens), and 56 specimens of zooecidia. Some details of noteworthy accessions are given here.

The accessions comprise 17,972 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2009 (6,249 specimens in the Phanerogams Division, 2,118 specimens in the Cryptogams Division and 9,605 specimens in the Mycology Division). 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”). Some material has been purchased.

The concentration of the Herbaria in different departments of the University of Helsinki was completed in 2009 when the herbarium HEL at Dept. of Applied Biology, Faculty of Agriculture and Forestry, was closed and the collections were moved to H. Most of the ca. 45,000 specimens are kept separately for the time being, but will be gradually incorporated to accessions and, in part, used in exchange. In 2009, participants of a Finnish–Russian botanical excursion to Kyrgyzstan collected ca. 3,500 specimens of plants and fungi, and so far only a minor part of the material has been incorporated in the accessions.

The total number of specimens in the systematic collections of H at the end of 2009 was 3,195,100; 1,666,827 of them are phanerogams, 92,482 pteridophytes, 2,363 zooecidia, 604,075 bryophytes, 22,038 algae, 406,824 lichenized fungi and 400,491 non-lichenized fungi (includ-

ing bacteria and viruses). 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 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://sciweb.nybg.org/science2/IndexHerbariorum.asp>).

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

	East Fenno- scandian Herbaria	General Herbaria	Total
<b>Phanerogams Division</b>			
Pteridophytes	28	1,893	1,921
Spermatophytes	2,275	1,997	4,272
Zooecidia	52	4	56
<b>Cryptogams Division</b>			
Bryophytes	1,215	794	2,009
Algae	99	10	109
<b>Mycology Division</b>			
Lichenized fungi	1,266	1,493	2,759
Non-lichenized fungi	4,729	1,917	6,646
<b>Total</b>	<b>9,664</b>	<b>8,108</b>	<b>17,772</b>

## Phanerogams Division

### East Fennoscandian Herbarium

98; Alanko, P. – 297, mainly *Al*; Hæggsström, C.-A. – 1096; Helsinki, HSI. – 208, *N, Ta, Sa, Kb, Lkk, Le, Li*; Kotanen, E. – 113, *Hieracium, Pilosella* from *Ta*; Ranta, Y. – 319, *Al, N, Sa, Kn, Obo, Le, Li*; Väre, H.

Smaller numbers of specimens have been received from: Airikkala-Valo, L.; Erkamo, V. (reliq.); Grönholm, E.; Harjumaa, S.; Heikkinen, M.; Henricson, C.; Hokka, T.; Juutinen, R.; Kaarlejärvi, E.; Kotilainen, M. J. (reliq.); Käöntönen, M.; Nieminen, M.; Oinonen, E.; Parkko, P.; Parnela, A.; Pihlajaniemi, L.; Rintanen, T.; Sennikov, A.; Tolvanen, M.; Uotila, P.; Uusitalo, A.; Virtanen, T.

*Zooecidia*. – Smaller numbers of specimens have been received from: Alanko, P., Piirainen, M., Ulvinen, A. (reliq.), Uotila, P.

### General Herbarium

142, mainly Finland (cult.); Alanko, P. – 114, Spain (Andalusia); Frankfurt am Main, FR (e). – 1884, ferns from India, Nepal; Fraser-Jenkins, C. R. – 50, Gottschlich, G. – 237, mainly Sweden, Norway, Russia (Europe), Estonia; Helsinki, HSI. – 326, Iran; Isfahan, Isfahan University of Technology, College of Natural Resources, Herbarium (e). – 201, Poland; Kraków, KRA (e). – 72, mainly Latvia, Sweden, Russia (Europe); Sennikov, A. – 222, Kyrgyzstan, Estonia; Uotila, P. – 488, mainly Spain (Catalonia), Greece (Santorini), France, Switzerland; Väre, H.

Smaller numbers of specimens have been received from: Ahti, T.; Anderberg, A.; Bishkek, FRU (e); Hæggsström, C.-A.; Häkkinen, M.; Kekki, T.; Koistinen, M.; Lyytikäinen, L.; Meise, BR (e); Puttaa, A.; St. Petersburg, LE; Widén, C.-J.

*Zooecidia*. – Smaller numbers of specimens have been received from: Alanko, P.

## Cryptogams Division

### East Fennoscandian Herbarium

*Bryophytes*. – 57, *N, Ta, Sa*; Haikonen, V. – 50; Kontula, T. – 328, *Ab*, Russia (*Kol, Kon*); Kotilainen, M. (reliq.). – 101, *Sa, Kl, Kb*; Kytövuori, I. – 126; Lång, G. (reliq.). – 128, Russia (*Kl*); Pankakoski, A. (reliq.).

Smaller numbers of specimens have been received from: Ahokas, H.; Ahti, T.; Alanko, P.; Enroth, J.; Hæggsström, C.-A.; He, X.; Helin, J.; Höijer, P.; Koistinen, M.; Koponen, T.; Kotanen, E.; Krohn, V. (reliq.); Kuokka, I.; Laaka-Lindberg, S.; Laurila, M. (reliq.); Lindholm, T.;

Maksimov, A.; Metsikkö, E. (reliq.); Miettinen, O.; Murto, R.; Nironen, M.; Paasivirta, O.; Parnela, A.; Pykälä, J.; Rinkineva, L.; Rintanen, T.; Roivainen, H. (reliq.); Uotila, P.; Väre, H.; Wistbacka, B.

*Algae*. – Smaller numbers of specimens have been received from: Ahti, T.; Alanko, P.; Hæggsström, C.-A.; Henricson, C.; Keskinen, E.; Kotanen, E.; Kotiranta, H.; Kuopala, M.; Oinonen, E.; Piirainen, M.; Rautio, M.

### General Herbarium

*Bryophytes*. – 25, Deguchi & Yamaguchi: Bryophytes of Asia 15: 351–375; Hiroshima, HIRO (e). – 53, Russia (mainly Asia); Ignatov, M. – 75, Russia (Asia), Ivanova & Pisarenko: Bryophyta Sibiriae Exs. 1: 1–75; Moscow, MHA (e). – 98, mainly China (Yunnan, Sichuan, Guangdong, Hongkong); Saint Louis, MO. – 50, Japan (mainly Kyushu), Iwatsuki & Noguchi: Musci Japonici Exs. 35: 1701–1750; Nichinan, NICH (e). – 72, South Africa; Pretoria, PRE. – 125, China (Yunnan), Taiwan, United States (California, Oregon); Shevock, J. R. – 25, Japan, Higuchi: Bryophyta Selecta Exs. 30: 1226–1250; Tokyo (e). – 52, Canada (British Columbia), United States (mainly California); Vancouver, UBC (e).

Smaller numbers of specimens have been received from: Ahti, T.; Alanko, A.; Alanko, P.; Calicut, CALI; Chicago, F (e); Edinburgh, E; Enroth, J.; Haikonen, V.; Hallingbäck, T.; Halmetoja, U.; He, X.; Hsueh, I. C.; Hyvönen, J.; Ji, M.; Juslén, A.; Koponen, T.; Lång, G. (reliq.); Olsson, S.; Peking, PE; Pócs, T.; Rättel, E.; Ruuhijärvi, R.; Uotila, P.

*Algae*. – Smaller numbers of specimens have been received from: Ahti, T.; Roivainen, H. (reliq.); Uotila, P.

## Mycology Division

### East Fennoscandian Herbarium

*Lichenized fungi*. – 97, mainly *N*, Russia (*Ka*); Ahti, T. – 307, *Al, N, Ta, Sa, Kl, Tb*; Haikonen, V. – 86, *Al, Ab, N, Kb, Li*; Kvist, G. (reliq.). – 621, *Ab*; Pykälä, J.

Smaller numbers of specimens have been received from: Alanko, P.; Fadeeva, M. A.; Haapasaari, M.; Hæggsström, C.-A.; Kilkki, L.; Kontula, T.; Kotanen, E.; Kytövuori, I.; Myllyls, L.; Pennanen, M.; Savicz, V. P.; Urbanavichus, G.; Väre, H.; Visa, M.

*Non-lichenized Fungi*. – 484, mainly *Ab, N, Ta, Sa, Om*; Alanko, P. – 268, *Al, N, Ta, Sa, Kl, Tb, Lkk*; Haikonen, V. – 68, *Obu*; Kinnunen, J. – 277, *Ab, N, St, Ta, Kb, Obu, Lkk, Le*; Korhonen, M. – 564, mainly *Al, Ab, N, Ta*; Kotiranta, H. – 969, mainly *N, Ta, Sa, Sb, Om, Obo, Obu, Ks*; Kytövuori, I. – 521, mainly *Ab, N, Ta, Tb, Kb, Kn*; Miettinen, O. – 112, mainly *Ab, N, Ks*; Niskanen, T. – 103, *Obu, Lks*; Ohenoja, E. – 81, mainly *Obo, Obu, Ks*; Oulu, OULU (e). – 770, *Al, Ab, N, Ta, Kb, Obu, Lkk*; Vantaa, HFR.

Smaller numbers of specimens have been received from: Adlercreutz, G.; Ahti, T.; Airaksinen, O.; Barkar, B.; Bonsdorff-Salminen, T. von; Creutz, H.; Eriksson, I.; Erola, P.-K.; Hægström, C.-A.; Härkönen, M.; Harmaja, H.; Heikkinen, T.; Helle, L.; Hellqvist, R.; Helo, T.; Höijer, P.; Hokkanen, A.; Hyvärinen, H.; Jaakkola, S.; Kalinauskaite, N.; Kallio, T.; Kekki, T.; Korhonen, V.; Köykkäri, K.; Kumpulainen, K.; Kvist, G. (reliq.); Laaksonen, T.; Lahti, M.; Lehtiö, H.; Lehtonen, J.; Leinonen, M.; Liikanen, V.; Lilja, M.; Mäkinen, J.; Markkanen, A.; Mettälä, J.; Niemelä, T.; Niskanen, K.; Palmén, I.; Palmén, K.; Penttilä, R.; Pippola, E.; Pulkkinen, M.; Pykälä, J.; Rintanen, T.; Roponen, P.; Saarinen, P.; Savola, K.; Seppälä, M.; Söderholm, U.; Stjernberg, M.; Tuiskula, K.; Turku, TUR-A; Turri, P.; Töllikkö, S.; Uotila, M.; Uotila, P.; Väre, H.; Ventovuori, T.; Veräjänkorkva, M.; Viramo, M.; Vuokko, S.; Wikström, P.-G.

## General Herbarium

*Lichenized fungi.* – 433, mainly Canada (Nova Scotia, British Columbia, Newfoundland), Brazil, United States (Georgia, California), Russia (Sakha Rep., Leningrad Region), Norway (*Ho*, *NT*), Sweden (*Upl*); Ahti, T. – 244, mainly United States, Canada, Brazil, Venezuela, incl. Lendemer: *Lichens of Eastern North America Exs. 7:* 301–343, 347–350; Bronx, NY (e). – 22, mainly Austria, Obermayer: *Lichenotheca Graecensis 17:* 321–340; Graz, GZU (e). – 425, mainly Canada (British Columbia, Northwest territories, Ontario), United States (Alaska); Vancouver, UBS (e).

Smaller numbers of specimens have been received from: Berger, F.; Chabanenko, S.; Chernyagina, O. A.; Crawford, S.; Dillman, K.; Efimov, P.; Gagarina, L.; Gdansk, UGDA; Geneve, G.; Gnüchtel, A.; Goward, T.;

Hægström, C.-A.; Haikonen, V.; Harris, R. C.; Himelbrant, D.; Kvist, G. (reliq.); Lay, E.; Looman, J. (reliq.); Macoun, J. (reliq.); Oslo, O (e); Otto, G. F. (reliq.); Pimlott, D. H. (reliq.); Powell, M.; Rosentreter, R.; Saint Louis, MO (e); Schofield, W. B. (reliq.); Scotter, G. W.; Seaward, M. R. D.; Sohrabi, M.; Spribille, T.; St. Petersburg, LECB; Streimann, H. (reliq.); Talbot, S. S.; Trieste, TSB; Türk, R.; Uppsala, UPS (e); Urbanavichus, G.; Väre, H.; Vitikainen, O.; Werner, R. G. (reliq.); Yazici, K.; Zhurbenko, M.

*Non-lichenized Fungi.* – 30, Austria, Scheuer: *Mycotheca Graecensis 22:* 421–440; Graz, GZU (e). – 30, mainly South Korea, Germany, Braun: *Fungi selecti exs.* 111–140; Halle, HAL. – 352, mainly China (Hunan); Härkönen, M. – 60, mainly Russia (Europe), Morozova & Popov: *Mycotheca Petropolitana 3–5:* 41–100; St. Petersburg, LE (e). – 265, Russia (Sverdlovsk Region); Kotiranta, H. – 484, Sweden, Denmark, Norway; Kytövuori, I. – 307, mainly Norway (*ØFi*, *VFi*); Miettinen, O. – 202, Canada (Ontario); Ohen-oja, E. & M.

Smaller numbers of specimens have been received from: Ahti, T.; Alanko, P.; Dai, Y. C.; Dillman, K.; Heilmann-Clausen, J.; Korhonen, M.; Manninen, O.; Niemelä, T.; Niskanen, T.; Norstedt, G.; Nuorteva, P.; Oslo, O (e); Oulu, OULU (e); Penttilä, R.; Ryvarden, L.; Saarimäki, T.; Jinan, SCU; Singapore, SING; Sivertsen, S.; Spirin, W.; Talbot, S. S.; Tartu, TAA (e); Tomsosky, M.; Trichies, G.; Vantaa, HFR; Väre, H.

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The main collection area of the material received in 2009:

	Spermato- phyta	Pterido- phyta	Bryo- phyta	Algae	Lichenized Fungi	Other Fungi	Zooce- cidia	Total
Finland	2,031	28	1,059	98	1,114	4,723	49	9,102
India	–	1,494	31	–	–	–	–	1,525
Canada	20	–	37	–	630	246	2	935
China	1	–	219	–	3	347	–	570
Russia (East Fennoscandia)	244	–	156	1	152	6	3	562
Sweden	120	–	1	–	34	381	–	536
Russia (Asia)	8	1	135	–	81	266	–	491
United States	4	–	56	2	362	16	–	440
Nepal	21	369	1	–	36	–	–	427
Norway	58	–	1	–	29	327	–	415
Spain (excl. Canary Islands)	372	5	7	–	12	1	–	397
Iran	323	3	–	–	53	–	–	379
Poland	200	2	–	–	2	12	–	216
Kyrgyzstan	210	–	–	–	–	–	–	210
Greece	169	7	3	–	9	4	–	192
Russia (Europe)	68	–	7	1	25	61	–	162
Finland (cultivated)	143	–	–	–	–	–	–	143
Denmark (excl. Faroes and Greenland)	10	–	–	–	–	120	–	130
Estonia	78	–	14	4	8	16	–	120
Japan	–	–	103	–	–	1	–	104
South Africa	0	–	80	–	–	–	–	80
France	54	2	3	–	9	2	–	70
Brazil	–	–	2	–	65	1	–	68
Austria	9	–	–	–	23	20	–	52
United Kingdom	1	10	4	–	15	1	–	31
Germany	14	–	2	–	3	10	–	29
Italy	20	–	–	–	–	9	–	29
Argentina	0	–	24	3	–	–	–	27
Venezuela	0	–	2	–	25	–	–	27
Latvia	24	–	–	–	1	–	–	25
Switzerland	18	–	–	–	–	6	–	24
Tanzania	2	–	5	–	–	17	–	24
Other countries	50	–	57	–	68	53	2	230
<b>Total</b>	<b>4,272</b>	<b>1,921</b>	<b>2,009</b>	<b>109</b>	<b>2,759</b>	<b>6,646</b>	<b>56</b>	<b>17,772</b>