

## Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2011

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The herbarium accessions amount to 20 395 specimens, including 5 940 phanerogams and pteridophytes, 1 929 specimens of bryophytes and algae, 12 517 specimens of fungi (incl. lichens), and 1 specimen of zooecidia. Some details of noteworthy accessions are given here.

The accessions comprise 20 395 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2011 (5 940 specimens in the Vascular Plant Herbaria, 1 929 specimens in the Bryological Herbaria including 33 type specimens and 12 517 specimens in the Mycological Herbaria). The material has been received from the staff of the Museum and of other institutions, and as donations from private persons, or their reliquia (marked "reliq."). The Botanical Museum offers the sincerest thanks to all donors. A considerable number of specimens has been obtained by exchange ("e").

The historically interesting vascular plant herbarium of Jacob Fellman (1795–1875) was arranged in 2011. A smaller part of it was annexed to the Vascular Plant Herbaria during the same year; the rest will be annexed in 2012. The herbarium mainly comprises of specimens from the Russian Fennoscandia, Finland, Norway, Sweden or other European countries, collected by Fellman himself or several other botanists of his time, e.g. L.L. Laestadius, F. Nylander, C.R. Sahlberg, J.M. af Tengström and G. Wahlenberg.

The main part of the extensive duplicate collection of polyporoid and corticioid fungi from the herbarium of Leif Ryvarden (Oslo) was an-

nexed to the mycological herbarium in 2011. Together with the specimens annexed in 2010 the sum amounts to 3 226. The collection includes material especially from the tropics, and contains a good amount of species new to our herbarium. Dr. Otto Miettinen's valuable contribution in obtaining this accession is appreciated.

The total number of specimens in the systematic collections of H at the end of 2011 was 3 236 563; 1 676 402 of them are phanerogams, 92 840 pteridophytes, 2 364 zooecidia, 608 561 bryophytes, 22 089 algae, 417 416 lichenized fungi and 416 891 non-lichenized fungi (including bacteria and viruses).

Some details of the most noteworthy accessions are given below. The italicised abbreviations *Al*, *Ab*, *N*, etc. on the lists refer to the biogeographic provinces of East Fennoscandia (map in Uotila et al., *Memoranda Soc. Fauna Flora Fennica* 77:14. 2001), while *Ög*, *Upl*, *Tr*, *VFi* etc. refer to the biogeographic provinces of Sweden or 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://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>Vascular plants</b>			
Pteridophytes	76	190	266
Spermatophytes	2,068	3,606	5,674
Zoocecidia	1	–	1
<b>Bryophytes and Algae</b>			
Bryophytes	582	1,346	1,928
Algae	8	1	9
<b>Fungi</b>			
Lichenized fungi	3,024	3,303	6,327
Non-lichenized fungi	3,431	2,759	6,190
<b>Total</b>	<b>9,190</b>	<b>11,205</b>	<b>20,395</b>

## Vascular Plant Herbaria

### East Fennoscandian Herbarium

113; Ahti, T. – 72, Russia (*Ka/Rs, Kl/Rs, Kol, Kon*); Alanko, P. – 30; Anttila, I. – 41, mainly *Ab*; Christenhusz, M. – 708; Federley, B. – 195, mainly Russia (*Kl/Rs, Kol, Kon, Ks/Rs, Kk, Lim, Lp, Lps, Lt, Lm*); Fellman, J. (reliq.) – 42, mainly *Al*; Hæggström, C.-A. – 49; Haikonen, V. – 302, mainly Russia (*Kpoc, Kk*); Piirainen, M. – 43, *Ta*, Pälkäne; Ranta, Y. – 89, *Taraxacum*; Räsänen, J. – 30, mainly *St*; Suominen, J. – 95, mainly *Ab, N, Ta*, incl. 2 paratypes of *Potamogeton × exilis*; Uotila, P. – 161, mainly *Lkk, Le*; Väre, H.

Small numbers of specimens have been received from: Helsinki, Finnish Environment Institute; Hämeenlinna, Häme Centre for Economic Development, Transport and the Environment; Hietala, A.; Kääntönen, M.; Kravchenko, A.V.; Laukkanen, R.; Martikainen, A.; Pakkanen, O.; Pulkkinen, A.; Pykälä, J.; Rintanen, T.; Salmi, J.; Tuovila, H.; Vaalavuo, I.; Vantaa, Metsähallitus; Wirzenius, Arno.

### General Herbarium

198, mainly Iceland, Norway, Sweden, Russia (Sakha Republic); Ahti, T. – 1613, e.g. Finland (cult.), Russia (Europe), Spain, Ukraine; Alanko, P. – 106, e.g. Italy, Ireland; Christenhusz, M. – 270, e.g. Austria, Iran, Spain, Turkey; Edinburgh, E. – 148, e.g. Germany, Norway, Sweden; Fellman, J. (reliq.) – 158, e.g. Iran, Switzerland, Uruguay,

incl. type material of *Anthoclamys rechingeri*; Genève, G (e). – 154, mainly Guatemala, leg. M. Christenhusz; London, BM. – 46 *Taraxacum*; Räsänen, J. – 715, Kyrgyzstan, including holotype of *Cousinia hystricocephala*; Sennikov, A. – 92, e.g. Kyrgyzstan, South Africa, Väre, H.

Small numbers of specimens have been received from: Bishkek, FRU; Brenner, M. (reliq.); Fortelius, M.; Hæggström, C.-A.; Helsinki, Finnish Museum of Natural History, Exhibition and Conservation teams; Kalska, E.; Koistinen, M.; Koivu, T.; Kravchenko, A.V.; Kurtto, A.; Lahtinen, M.; Liikka, K.; Mesterházy, A.; Parkkali-Reskola, T.; Piirainen, M.; Rintanen, T.; Saarinen, J.; Salmi, J.; Torino, TO; Uotila, P.; Uusikivi, T.

## Bryological and Algal Herbaria

### East Fennoscandian Herbarium

*Bryophytes*. 150; Haikonen, V. – 160; Kotilainen, M.J. (reliq.). – 60; Lindholm, T. – 51; Pykälä, J. – 63; Wikström, P.-G. (reliq.).

Small numbers of specimens have been received from: Ahti, T.; Alanko, P.; Helin, J.; Hult, R. (reliq.); Höjjer, P.; Kypärä, T.; Mannila, V. (reliq.); Pankakoski, A. (reliq.); Parkko, P.; Parnela, A.; Seppälä, M.; Uotila, P.; Väre, H.

*Algae*. – Small numbers of specimens have been received from: Haikonen, V.; Helsinki, Finnish Environment Institute.

### General Herbarium

*Bryophytes*. – 85, Papua New Guinea; Stockholm, S (e). – 89, Papua New Guinea and Solomon Islands, including paratype of *Cololejeunea ciliata*; Norris, D. – 157, mostly from Papua New Guinea and United States, including holo-, iso- and paratypes of *Cololejeunea ciliata* and iso- and paratypes of *Cololejeunea longifolia* var. *serrulata*; Koponen, T. – 201, Japan, Noguchi & Hattori: Musci Japonici Exsiccata 6: 251–300, 6: 301–350, including type material of *Barbula nipponica*, *Barbula nipponica* var. *gracilis*, *Bryhnia sublaevifolia* var. *acuminata*, *Hylacomium cavifolium* var. *angustifolium*, Hattori: Hepaticae Japonicae Exsiccata 6: 251–300, 7: 301–350, including isotypes of *Athalamia glaucovirens* f. *subessilis*, *Jungermannia hiugaensis*, *Jungermannia senjoensis*, *Peltolepis quadrata* var. *japonica*, *Plagiochila satoi* var. *integerrima*, *Plagiochila shimizuana*, *Lejeunea compacta* var. *mayebarae*; Nichinan, NICH (e). – 130, mostly Russia (Asia), including Afonina & al.: Bryophyta Rossica et Civitatum Collimitanearum Exsiccata 8: 281–350; St. Petersburg, LE (e). – 100, Zündorf: Bryophytæ selectæ ex Herbario Haussknecht: 1–50, 51–100, including type material of *Amphibiophytum dioicum*, *Bryum kermesinum*, *Calymperes tenerum*, *Eurhynchium praelongum*, *Fis-*

*sidens cryptarum*, *Fontinalis antipyretica*, *Grimmia limprichtii*, *Grimmia lisae*, *Schisma angustissimum*, *Schistochila brassii*, *Schistochila crinita*, *Antitrichia curtipendula* var. *falcata*, *Aptychus nanocephalus*, *Catharinea gymnostomula*, *Polytrichum piliferum* var. *elegans*, *Taxicaulis pyrrophopus*; Jena, JE (e). – 96, St. Louis, MO (e). – 36, Morocco; Jury, S.L. – 157, mainly China, São Tomé & Príncipe; Shevock, J.R.

Small numbers of specimens have been received from: Ahti, T.; Alanko, P.; Bell, N.; Christenhusz, M.; Enroth, J.; Hiroshima, HIRO; Hyvönen, J.; Lindholm, T.; Long, D.; Kraków, KRAM, including paratype of *Sematophyllum lebouvieri*; Koponen, A.; Madrid, MA, including isotype of *Vittia salina*; Samaniego, N.M.; San Francisco, CAS, including isotype of *Yunnanobryon rhyacophilum*; Seppälä, M.; Singapore, SING; Tan, B.C.; Tsukuba, TNS; Uotila, P.; Urbanavichus, G.

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

## Mycological Herbaria

### East Fennoscandian Herbaria

*Lichenized fungi*. – 242, *Al*, *Ab*, *N*, *St*, *Ks*, *Lks*, *Li*, Russia (*Ka*, *Kon*); Ahti, T. – 50; Alanko, P. – 238, *N*, *Ta*, *Lkk*; Haikonen, V. – 46, Russia (*Lm*); Konoreva, L. – 2083, *Ab*, *N*, *Ks*; Pykälä, J. – 284, *Ab*, *N* incl. *Micarea osloënsis*, *Gyalideopsis piceicola*, new to Finland; Wikström, P.-G. (reliq.).

Small numbers of specimens have been received from: Ahokas, H.; Himelbrant, D.; Högnabba, F.; Lehtinen, P.T.; Průhonice, PRA; Stepanchikova, I.; Väre, H.; Vitikainen, O.; Zhdanov, I.

*Non-lichenized Fungi*. – 65, *Al*, *Ab*, *N*, *Ta*, *Sb*, Russia (*Ka*, *Kon*, *Kton*); Ahti, T. – 1 421, *Ab*, *N*, *St*, *Ta*, *Sa*, *Oa*, *Sb*, *Om*, *Obo*; Alanko, P. – 56, *Obu*, *Ks*; Kinnunen, J. – 76, *N*, *Obu*, *Le*; Korhonen, M. – 108, *N*, *Ta*, *Li*; Kotiranta, H. – 43, *Ab*, *St*, *Ta*, *Tb*, *Om*, *Obo*, *Lkk*, *Le*; Kukkonen, I. – 570, *Ab*; Kunttu, P. – 130, *Ab*, *N*, *Ta*, *Sa*, *Tb*, *Ok*; Miettinen, O. – 68, *N*, *Ta*; Ohenoja, E. – 52, *Oa*, *Ok*, *Obo*, *Obu*, *Ks*, *Li*, Russia (*Kon*); Oulu, OULU (e). – 142, *Ab*, *N*, *St*, *Ta*, *Sa*; Salo, P. – 58, *Ta*, *Kl*; Söderholm, U. – 287, *Ab*, *N*; Wikström, P.-G. (reliq.).

Small numbers of specimens have been received from: Ahokas, H.; Björklund, A.; Boehm, T.; Bonsdorff, T. von; Eriksson, I.; Erkkilä, R.; Fagerström, R.; Hæggström, C.-A.; Haikonen, V.; Hämäläinen, M.; Härkönen, M.; Harmaja, H.; Heiskanen, S.; Helo, P.; Höijer, P.; Honkakoski, M.; Huoponen, M.; Ihatsu, R.; Julkunen, J.; Kälviäinen, V.; Karjalainen, P.; Kiema, S.; Kontula, T.; Korhonen, J.; Kosonen, L.; Kukko-oja, K.; Kulju, M.; Kuljukka, J.; Kuokkanen, S.; Kvist, G. (reliq.); Laakso, P.; Laaksonen, T.; Lagerwall, E.; Lahti, M.; Laitila, I.; Laitinen, T.; Lampinen, R.; Laukkanen, E.; Lehto, S.; Leinonen, M.; Levomäki, S.; Lindholm, T.; Löytty, A.; Marjala, H.; Mettälä, J.; Nie-

melä, T.; Niemi, R.; Nironen, M.; Niskanen, K.; Niskanen, T.; Ovaska, V.-M.; Paavola, H.; Palojärvi, J.; Parkko, P.; Penkkimäki, P.; Pennanen, J.; Pernu, M.; Pogreboff, S.; Puhakainen, L.; Putus, P.; Ranta, H.; Renvall, P.; Rintanen, T.; Rossi, U.M.; Ryhänen, O.; Ryvarden, L.; Saarenoksa, R.; Saloranta, A.; Savola, K.; Simberg, J.; Siuvtati, T.; Stjernberg, T.; Tamminen, R.; Töllikkö, S.; Tromsø, TROM (e); Tuovila, H.; Turku, TUR-A (e); Uimonen, J.; Uotila, P.; Vaara, S.; Vaaralahti, K.; Väre, H.; Varttinen, K.; Veräjänkorpä, M.; Vuokko, S.; Walden, L.

### General Herbaria

*Lichenized fungi*. – 1188, mainly Canada (Newfoundland, Nova Scotia, Northwest Territories, Manitoba), U.S.A. (Alaska), Tajikistan, Russia (Sakha Republic), Guyana; Ahti, T. – 110, Hansen: *Lichenes Danici Exsiccati* 23: 556–575, 24: 576–595, 25: 596–615, Hansen: *Lichenes Groenlandici Exsiccati* 33: 1075–1099, 34: 1100–1124; Copenhagen, C (e). – 188, Russia (Kamchatka, Lenigrad Region); Himelbrant, D. – 554, New Zealand (North Island, South Island); Högnabba, F. – 37, Ukraine; Kiev, KW – 258, Russia (Belgorod Region, Ryazan Region); Konoreva, L. – 42, Canada, Afghanistan; Kukkonen, I. – 175, Iceland; Pykälä, J. – 108, France (Réunion), Australia (Western Australia); Schumm, F. – 310, New Zealand; Stenroos, S. – 34, U.S.A. (Alaska); Talbot, S.S.

Small numbers of specimens have been received from: Abbas, A.; Alanko, P.; Aptroot, A.; Chabanenko, S.; Chapel Hill, NCU (e); Christenhusz, M.; Corvallis, OSC; DePriest, P.; Fairbanks, ALA; Frisch, A.; Gagarina, L.; Graz, GZU, incl. paratype of *Pertusaria mccroryae*; Gumboski, E.; Henssen, A. (reliq.), incl. isotypes of *Phloepeccania australiensis*, *P. hispanica*, *Phylliscum indicum*; Jerusalem, HUJ; Koponen, T.; Kukwa, M.; Kuznetsova, E.; McCune, B.; Miettinen, O.; Neumarkt, Lich. Inst. Neumarkt (e); Oslo, O (e); Palice, Z.; Passo, A., isotype of *Pannaria byssina*; Pimlott, D.H. (reliq.); Provo, BRY (e); Pskov, PSK; São Paulo, SP; Seppälä, M.; Sohrabi, M.; Thor, G.; Tsukuba, TNS (e); Tuomikoski, R. (reliq.); Väre, H.; Wikström, P.-G. (reliq.); Yazici, K.; Zhdanov, I.

*Non-lichenized Fungi*. – 61, Canada, Guyana, Latvia, Russia (Asia, Europe), UK, U.S.A.; Ahti, T. – 34, United States; Bronx, NY (e) – 199, Mozambique, Tanzania; Härkönen, M. – 72, Canada, Germany, Norway; Kukkonen, I. – 205, China, Germany, Guinea, Indonesia, Norway, Sweden, Switzerland, United Kingdom; Miettinen, O. – 44, Brazil; Oinonen, P. – 2016, Argentina, Australia, Azores, Bahamas, Bangladesh, Belize, Bolivia, Brazil, Bulgaria, Burundi, Cameroon, Canada, Central African Republic, China, Colombia, Cook Islands, Costa Rica, Cuba, Dominican Republic, DR Congo, Ecuador, Ethiopia, France, French Guiana, French Polynesia, Gabon, Gambia, Ghana, Greece, Guinea, Guyana, Honduras, India, Indonesia, Iran, Italy, Ivory Coast, Jamaica, Japan, Kenya, Korea (South), Liberia, Macedonia, Mada-

## The main collection areas of the material received in 2011:

	Spermatophyta	Pteridophyta	Bryophyta	Algae	Lichenized fungi	Other fungi	Zooecidia	Total
Finland	1,544	57	561	8	2,805	3,418	1	8,394
Canada	13	3	12	1	942	116	–	1,087
New Zealand	3	–	1	–	860	65	–	929
Russia (East Fennoscandia)	525	19	21	–	219	13	–	797
Kyrgyzstan	771	–	–	–	–	–	–	771
Finland (cultivated)	533	4	–	–	–	–	–	537
Russia (Europe)	157	1	11	–	307	18	–	494
Russia (Asia)	17	1	143	–	240	39	–	440
U.S.A.	18	8	80	–	184	113	–	403
Japan	1	–	262	–	32	107	–	402
Sweden	146	–	–	–	9	136	–	291
Spain (excl. Canary Is.)	216	7	10	–	6	29	–	268
Papua New Guinea	–	–	233	–	1	7	–	241
Brazil	–	4	3	–	31	202	–	240
Austria	214	6	5	–	–	2	–	227
Canary Islands	185	15	1	–	21	–	–	222
Iceland	18	–	1	–	180	7	–	206
Norway	144	2	16	–	12	18	–	192
China	1	–	102	–	8	79	–	190
Tanzania	–	–	1	–	–	189	–	190
Guatemala	147	17	–	–	–	–	–	164
Ukraine	112	1	7	–	37	–	–	157
Estonia	137	2	11	–	1	1	–	152
Bulgaria	145	–	–	–	–	1	–	146
Australia	2	10	2	–	26	96	–	136
Costa Rica	–	–	2	–	–	134	–	136
Venezuela	–	–	–	–	10	92	–	102
Mozambique	–	–	–	–	–	95	–	95
Indonesia	–	–	5	–	9	75	–	89
Italy	66	3	4	–	–	14	–	87
Germany	38	–	37	–	2	3	–	80
Switzerland	65	2	2	–	–	11	–	80
Iran	39	–	–	–	28	10	–	77
Kenya	–	–	–	–	–	73	–	73
Uganda	–	–	–	–	–	72	–	72
Denmark (excl. Faroes and Greenland)	10	1	–	–	60	–	–	71
Colombia	–	–	9	–	2	58	–	69
Guyana	–	–	1	–	49	17	–	67
Poland	59	–	2	–	–	6	–	67
India	6	1	15	–	2	41	–	65
Argentina	–	–	8	–	3	50	–	61
São Tomé and Príncipe	–	–	59	–	–	–	–	59
France	35	4	7	–	1	8	–	55
New Caledonia	2	21	6	–	12	11	–	52
Belize	–	–	–	–	–	51	–	51
Thailand	–	–	–	–	–	51	–	51
Greenland	–	–	–	–	50	–	–	50
Cameroon	–	–	–	–	–	48	–	48
Tajikistan	–	–	–	–	48	–	–	48
Réunion	–	–	1	–	44	1	–	46
South Africa	32	1	3	–	4	6	–	46
Ethiopia	–	–	2	–	–	43	–	45
Seychelles	1	39	–	–	–	2	–	42
DR Congo	–	–	7	–	–	34	–	41
Mexico	–	–	–	–	5	36	–	41

	Spermato- phyta	Pterido- phyta	Bryo- phyta	Algae	Lichenized fungi	Other fungi	Zooce- cidia	Total
Nepal	–	–	–	–	–	41	–	41
Latvia	23	–	2	–	13	2	–	40
Morocco	2	–	36	–	–	2	–	40
Malawi	–	–	–	–	–	37	–	37
Turkey	26	–	1	–	9	1	–	37
Namibia	26	–	–	–	–	10	–	36
Zimbabwe	–	–	–	–	–	35	–	35
UK13	7	–	–	2	10	–	32	
Puerto Rico	–	–	–	–	–	32	–	32
Greece	12	–	–	–	16	2	–	30
Taiwan	–	–	18	–	2	10	–	30
Lithuania	28	–	–	–	–	–	–	28
Ecuador	–	–	–	–	2	25	–	27
Ireland	18	8	–	–	–	–	–	26
Chile	–	–	23	–	–	–	–	23
Azores	–	21	–	–	1	1	–	23
Pakistan	–	–	–	–	7	15	–	22
Rwanda	–	–	13	–	–	8	–	21
Singapore	–	–	–	–	–	21	–	21
Gibraltar	21	–	–	–	–	–	–	21
Other countries	103	1	182	–	25	240	–	551
<b>Total</b>	<b>5,674</b>	<b>266</b>	<b>1,928</b>	<b>9</b>	<b>6,327</b>	<b>6,190</b>	<b>1</b>	<b>20,395</b>

gascar, Malawi, Malaysia, Malta, Marshall Islands, Martinique, Mauritius, Mexico, Micronesia, Myanmar, Nepal, New Caledonia, New Zealand, Nicaragua, Nigeria, Norway, Pakistan, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Portugal, Puerto Rico, Russia (Asia), Rwanda, Saint Lucia, Senegal, Seychelles, Sierra Leone, Singapore, South Africa, Spain, Sri Lanka, Sweden, Taiwan, Tanzania, Thailand, Turkey, Turkmenistan, Uganda, UK, U.S.A., Vanuatu, Venezuela, Vietnam, Zambia, Zimbabwe; Ryvarde, L.

Small numbers of specimens have been received from: Abraham, D.; Berlin, B (e); Burdsall, H.H.; Christenhusz, M.; Dai, Y.C.; Döbbeler, P.; Ghobad-Nejhad, M.;

Henssen, A.; Himelbrant, D.E.; Kompantzev, A.; Korhonen, M.; Kraków, KRAM (e); Manninen, O.; Marstad, P.; Niemelä, T.; Niskanen, T.; Nordén, B.; Nordin, I.; Oulu, OULU (e); Pykälä, J.; Schumm, F.; Singapore, SING; Spirin, V.; Ukkola, T.; Uotila, P.; Viner, I.; Väre, H.; Wikström, P.-G. (reliq.).

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