

Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2005

Pertti Uotila, Tuomo Niemelä & Sinikka Piippo

Uotila, P., Niemelä, T., & Piippo, S., Botanical Museum, P.O. Box 7, FI-00014 University of Helsinki, Finland

The herbarium accessions amount to 15,125 specimens, including 6,950 phanerogams and pteridophytes, 1 specimen of zooecidia, 3,039 specimens of bryophytes and algae, 5,135 specimens of fungi (incl. lichens). Some details of noteworthy accessions are given here.

The accessions comprise 15,125 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2005 (6,051 specimens in the Phanerogams Division, 3,039 specimens in the Cryptogams Division and 5,135 specimens in the Mycology Division). The material has been received as donations from the staff of the Museum and of other institutes, and from private persons, or their heirs (marked “reliq.”). On behalf of the museum, we offer our 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 is 3,118,204; 1,646,212 of them are phanerogams, 89,594 pteridophytes, 2,276 zooecidia, 594,770 bryophytes, 21,757 algae, 391,676 lichenized fungi and 371,919 non-lichenized fungi (including 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); the province *Kp* (*Karelia pudogensis*) has been added (see: Kravchenko, A. V., Gnatuik, E. P. & Kuznetsov, O. L. 2000: Distribution and occurrence of vascular plants in floristic districts of Ka-

relia. – Karelian Research Centre, Russian Academy of Sciences. Petrozavodsk). Abbreviations in capital letters used for the herbaria are according to Holmgren et al. (Index Herbariorum, I: The Herbaria of the World, 8th ed. Regnum Vegetabile 120. 1990).

The various systematic groups are represented as follows:

	East Fenno- scandian Herbaria	General Herbaria	Total
Phanerogams Division			
Pteridophytes	50	175	225
Spermatophytes	2,007	4,718	6,725
Zooecidia	0	1	1
Cryptogams Division			
Bryophytes	2,506	467	2,973
Algae	4	62	66
Mycology Division			
Lichenized Fungi	475	1,371	1,846
Non-lichenized Fungi	2,784	505	3,289
Total	7,826	7,299	15,125

Phanerogams Division

East Fennoscandian Herbarium

471; Alanko, P. – 90, Russia (*Kon, Kol, Kton, Kp, Kpor*); Cajander, A. K. (reliq.). – 75, *Ka*; Glazkova, E. – 515; Juva, M. (reliq.). – 234, mainly Russia (*Kon, Kton, Kpoc, Kpor*); Piirainen, M. – 66; Räsänen, J. – 89; Uotila, P. – 172; Väre, H.

Smaller numbers of specimens have been received from: Aalto, M.; Ahti, T.; Haikonen, V.; Heikkinen, R. K.; Helle, K.; Hellstén, E.; Hiitonen, I. (reliq.); Hokkanen, A.; Jäkäläniemi, A.; Järvinen, V.; Jauhiainen, S.; Jutila, H.; Kauhanen, H.; Kettunen, T.; Koivisto, A.; Kravchenko, A.; Kukkonen, I.; Kuusela, T.; Lehtinen, S.; Leikas, P.; Mikkeli, South Savo Regional Environment Centre; Parnela, A.; Peltonen, E.; Polevoi, A.; Ranta, Y.; Rintanen, T.; Roivainen, H. (reliq.); Ruuhijärvi, R.; Saarinen, K.; Schulman, L.; Thuneberg, O.; Timonen, T.; Vasari, Y.; Vuori, E.

General Herbarium

147, mainly Russia (Finnish-Yakutian Cajander Expedition); Ahti, T. – 2718, mainly Greece, Portugal, Spain; Alanko, P. – 50, Canada; Blondeau, M. (e). – 100, Hungary; Budapest, BP (e). – 101, mainly USA; Burlington, VT (e). – 68, Russia; Cajander, A. K. (reliq.). – 356, Finland (*N*); Helsinki, Botanic Garden. – 80; Jauhiainen, S. – 83; Juva, M. (reliq.). – 178, mainly Greece; Räsänen, J. – 91, Canada; Sainte-Foy, QFA (e). – 52, Russia; St. Petersburg, LE (e). – 113, Taiwan; Taipei, TAI (e). – 93, mainly Serbia; Uotila, P. – 207, mainly Austria; Wien, W (e). – 76, Poland, incl. Flora Silesiaca Exs. 53: 1301–1324, 62: 1526–1550, 63: 1551–1575; Wrocław, WRS (e).

Smaller numbers of specimens have been received from: Alanen, H.; Amini Rad, M.; Apajalahti, P. & Kurki, S.; Autio, A.; Castroviejo, S.; Edelsjö, J.; Ericsson, S.; Fagerström, L. (reliq.); Hellstén, E.; Helsinki, the Altai Mountains Botanical Expedition of Finnish Botanic Gardens in 1985; Helsinki, HSI; Hälvä, S.; Isotalo, N.; Jalas, J. (reliq.); Jutila, H.; Kravchenko, A.; Kuivila, J.; Lagerström, M.; Lehtinen, S.; Lindholm, T.; Linja-aho, H.; Linkoaho, R.; Liski, M.; Liu, E. D. & Peng, H.; Lomonosova, M.; Nurminen, P.; Ojanen, P.; Otto, R.; Parnela, A.; Piirainen, M.; Pii-spala, E.; Pimenoff, S.; Pohjakallio, K.; Ragué, J.-C.; Raikkala, H.; Rinne, E.; Rintanen, T.; Roivainen, H. (reliq.); Savola, S.; Schigel, D.; Seppälä, M.; Siltanen, V.; Söderlund, U.; Suchorukov, A.; Suomalainen, E. (reliq.); Sutorý, K.; Sydney, NSW (e); Tegel, S.; Timonen, T. & Harju, P.; Väli-talo, P.; Väre, H.; Widén, C.-J.

Zoocecidia. – Smaller number of specimens have been received from: Ahti, T. & Norris, D.

Cryptogams Division

East Fennoscandian Herbarium

Bryophytes and Algae. – 216, mainly *Ta, Sb, N*; Haikonen, V. – 2155, *Ab, N*; Hämäläinen, A. – 52; Kontula, T.

Bryophytes and Algae. Smaller numbers of specimens have been received from: Durhan, DUKE (e); Helin, J.; Kukkonen, I.; Leino, S.; Luther, H. (reliq.); Petrozavodsk, PTZ; Parnela, A.; Turku, TUR-A; Uotila, P.; Vitikainen, O.

General Herbarium

Bryophytes. – 235, mainly USA; Durham, DUKE (e). – 171, mainly Poland; Kraków, KRAM (e).

Bryophytes and Algae. Smaller numbers of specimens have been received from: Ahti, T.; Callaghan, D. A.; Enroth, J.; Haikonen, V.; Halmetoja, U.; Henricson, C.; Jauhiainen, S.; Koponen, T.; Luther, H. (reliq.); Shevock, J. R.; Stotler, R.; Tsakiri, E.; Uotila, P.; Väre, H.; Vitikainen, O.

Mycology Division

East Fennoscandian Herbarium

Lichenized fungi. – 53, mainly Russia (*Ik, Kl, Kol*); Ahti, T. – 261, *Ab, N, Ta, Sa, Oa, Sb, Kb, Lkk*; Haikonen, V. – 25, *Lkk, Lks, Li* (Krzewicka: Lichenes Selecti Exs. 1: 1–25); Kraków, KRAM (e).

Smaller numbers of specimens have been received from: Alanko, P.; Cajander, A. K. & Lindroth, J. I. (reliq.); Elfving, F. (reliq.); Fadeeva, M. A.; Kuznetsov, O. L.; Pykälä, J.; Räsänen, V. (reliq.); Stjernberg, M.; Titov, A. N.; Väre, H.; Vitikainen, O.

Non-lichenized Fungi. – 72, Finland; Alanko, P. – 737, mainly *Ab, N, Ta, Sa, Sb, Lkk*; Haikonen, V. – 124, mainly *St, Ta, Tb, Kb*; Hottola, J. – 55, *Ta, Tb, Kb*; Kinnunen, J. – 217, *Ab, N, Ta, Obo, Obu, Ks, Le*; Korhonen, M. – 204, *Al, Ab, Ta*; Kotiranta, H. – 78; Manninen, O. – 143; Niemelä, T. – 422, mainly *Ab, N, Ta*; Salo, P. – 375, Ascomycetes from mosses and lichens, mainly Finland; Stenroos, S.

Smaller numbers of specimens have been received from: Adlercreutz, G.; Ahlroth, P.; Ahokas, H.; Ahti, T.; Airaksinen, O.; Bonsdorff, T. v.; Carlsson, R.; Dai, Y.-C.; Danielsson, M.; Ekblad, C.; Eriksson, H.; Erkkilä, R.; Göteborg, GB (e); Hagman, M.; Halme, P.; Harmaja, H.; Heinonen, P.; Helo, P.; Helsinki, HSI; Hiltunen, R.; Höijer, P.; Jakobsson, S.; Junninen, K.; Juvas, S.; Kianto, E.; Kiema, S.; Koponen, T.; Kosonen, L.; Kuhlberg, B.; Kukkonen, I.; Kukko-oja, K.; Kulju, M.; Kyröläinen, M.; Kytömäki, J.; Laaksonen, T.; Lahti, M.; Lindgren, M.; Linkoaho, R.; Lumme, S.; Miettinen, E.; Miettinen, O.; Millman, L.; Mustonen, R.; Nissinen, J.; Nuorteva, S.-L.; Nurro, T.; Oulu,

OULU (e); Palmén, J.; Parkko, P.; Penttilä, R.; Pykälä, J.; Rantala, M.; Renvall, P.; Riihiluoma, S.; Rintanen, T.; Salo, K.; Salo, V.; Salonen, V.; Seppälä, A.; Söderholm, U.; Stjernberg, M.; Stjernberg, T.; Timisjärvi, M.; Timonen, J.; Timonen, T.; Turku, TUR (e); Uotila, P.; Vainio, K.; Väisälä, L.; Vantaa, HFR (e); Väre, H.; Virtanen, M.; Vuokko, S.; Yrjänä, L.

General Herbarium

Lichenized fungi. – 469, mainly Canada (Newfoundland), USA (California, Oregon), Russia (Sakha Rep.); Ahti, T. – 149, Hansen: Lich. Groenlandici Exs. 26–30: 926–1024 and Hansen: Lich. Danici Exs. 14–15: 326–375; Copenhagen, C (e). – 70, mainly USA (Alaska); Derr, C. C. – 4, Feige & Lumbsch: Umbilicariaceae Exs. 110–113; Essen, ESS (e). – 23, Obermayer: Lichenotheca Graecensis 14: 261–280 and Obermayer: Dupla Graecensia Lichenum 361, 375–376; Graz, GZU (e). – 20, Hertel, Hannes: Lecideaceae Exs. 19: 361–380; München, M (e). – 50, Lendemer: Lichens of Eastern North America Exs. 4: 151–200; Philadelphia, PH (e). – 25, Anderson & Shushan: Lichens of Western North America 4: 76–100; Provo, BRY (e). – 86, USA (California); Riverside, UCR. – 50, Wetmore: Lichenes Exs. 6–7: 126–175; St. Paul, MIN (e). – 51, mainly Portugal (Azores), Spain (Canary Islands); Stockholm, S (e). – 25, Kashiwadani: Lich. Minus Cogniti Exs. 12: 276–300; Tsukuba, TNS (e). – 50, Moberg: Lichenes Selecti Exs. Upsalienses 15–16: 351–400; Uppsala, UPS (e).

Smaller numbers of specimens have been received

from: Alanko, P.; Bergen, BG; Cajander, A. K. & Lindroth, J. I. (reliq.); Calvelo, S.; Chicago, F; Dai, Y.-C.; East Lansing, MSC; Flakus, A.; Frisch, A.; Gremmen, N.; Guttová, A.; Halmetoja, U.; Holt, E. A.; Kirovsk, KRABG; Korhonen, M.; Lai, M.-J.; Lewis Smith, R. I.; Maas, W. S. G.; Madrid, MACB (e); Makry, T.; Miettinen, O.; Nummelin, M.; Palice, Z.; Parmmen, S.; Pimlott, D. H. (reliq.); Räsänen, V. (reliq.); Seppälä, M.; Shurduk, I. F.; St. Petersburg, LE; St. Petersburg, LECB; Tromsø, TROM; Trondheim, TRH; Tuomikoski, R. (reliq.); Uotila, P.; Väre, H.; Vondrák, J.; Yazici, K.; Zhurbenko, M.

Non-lichenized Fungi. – 117, mainly Sweden, France; Korhonen, M. – 179, Russia (Sverdlovsk Region, Perm Region); Kotiranta, H. – 25, Stojanowska: Plantae Cryptogamae Myxomycetes 60: 1476–1500; Wrocław, WRSŁ (e).

Smaller numbers of specimens have been received from: Ahti, T.; Dai, Y.-C.; Guttová, A.; Härkönen, M.; Hel-sinki, HSI; Höijer, P.; Hottola, P.; Kokkonen, K.; Kukkonen, I.; Leiden, L (e); Niemelä, T.; Niskanen, T.; Oslo, O (e); St. Petersburg, LE (e); St. Petersburg (LECB); Tartu, TAA (e); Turku, TUR (e); Väre, H.; Wallenius, T.

The museum has received larger amounts of exchange material from: Korhonen, M.; Salo, P.

Acknowledgements: The main technical responsibility for the accessions had Jaakko Nurmi and Mikko Piirainen (phanerogams and pteridophytes), Juhani Heino (bryophytes and algae), Roland Skytén (lichenized fungi), and Pertti Salo (other fungi). They are thanked for their help in compiling the data.

The main collection areas of the material received in 2005:

	Spermato- phyta	Pterido- phyta	Zooce- cidia	Bryo- phyta	Algae	Lichenized Fungi	Other Fungi	Total
Finland	1,586	36	—	2,477	4	390	2,744	7,237
Finland (cult.)	1,173	5	—	—	—	—	—	1,178
Greece	922	43	—	19	—	6	—	990
Russia (excl. East Fennoscandia)	400	4	—	3	—	132	196	735
USA	91	19	1	174	—	424	10	719
Portugal	632	49	—	—	—	5	—	686
Russia (East Fennoscandia)	426	14	—	29	—	85	40	594
Canada	189	15	—	1	46	258	18	527
Poland	85	—	—	147	—	8	27	267
Sweden	90	1	—	2	2	14	102	211
Spain (Canary Islands)	169	—	—	3	1	11	—	184
Austria	128	5	—	—	—	14	—	147
Taiwan	120	1	—	1	—	1	—	123
Estonia	97	1	—	—	—	13	5	116
Greenland	—	—	—	11	—	99	—	110
Hungary	102	—	—	—	—	—	2	104
Denmark (excl. Greenland)	34	—	—	—	1	50	3	88
France	56	4	—	—	—	1	27	88
Croatia	77	1	—	—	—	—	—	78
Serbia	67	2	—	—	—	—	—	69
Norway	23	—	—	10	—	18	6	57
Great Britain	41	2	—	6	—	7	—	56
Tanzania	38	1	—	—	—	1	13	53
Japan	7	—	—	—	—	38	4	49
Indonesia	—	—	—	—	—	—	46	46
Portugal (Azores)	—	—	—	5	—	38	—	43
China	4	—	—	31	—	6	—	41
Germany	20	1	—	6	—	7	7	41
Portugal (Madeira)	—	—	—	—	—	39	1	40
Spain (excl. Canary Islands)	8	—	—	—	—	29	—	37
Malta	31	—	—	—	—	1	—	32
Slovakia	6	—	—	1	—	17	4	28
Italy	15	1	—	—	—	2	7	25
Thailand	2	—	—	—	—	23	—	25
Australia	1	—	—	—	12	7	—	20
Others	85	20	0	47	0	102	27	281
Total	6,725	225	2,973	1	66	1,846	3,289	15,125