



*Phytotaxa* 47: 1–98 (2012)  
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Monograph

ISSN 1179-3155 (print edition)  
**PHYTOTAXA**  
ISSN 1179-3163 (online edition)



# PHYTOTAXA

47

## **Catalogue and typifications of new taxa of vascular plants described by Finnish botanist Harald Lindberg (1871–1963)**

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Magnolia Press  
Auckland, New Zealand

*Accepted by Maarten Christenhusz: 9 Feb. 2012; published: 2 Mar. 2012*

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**Catalogue and typifications of new taxa of vascular plants described by Finnish botanist Harald Lindberg (1871–1963)**

(*Phytotaxa* 47)

98 pp.; 30 cm.

2 Mar. 2012

ISBN 978-1-86977-879-8 (paperback)

ISBN 978-1-86977-880-4 (Online edition)

FIRST PUBLISHED IN 2012 BY

Magnolia Press

P.O. Box 41-383

Auckland 1346

New Zealand

e-mail: [magnolia@mapress.com](mailto:magnolia@mapress.com)

<http://www.mapress.com/phytotaxa/>

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ISSN 1179-3155 (Print edition)

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## Abstract

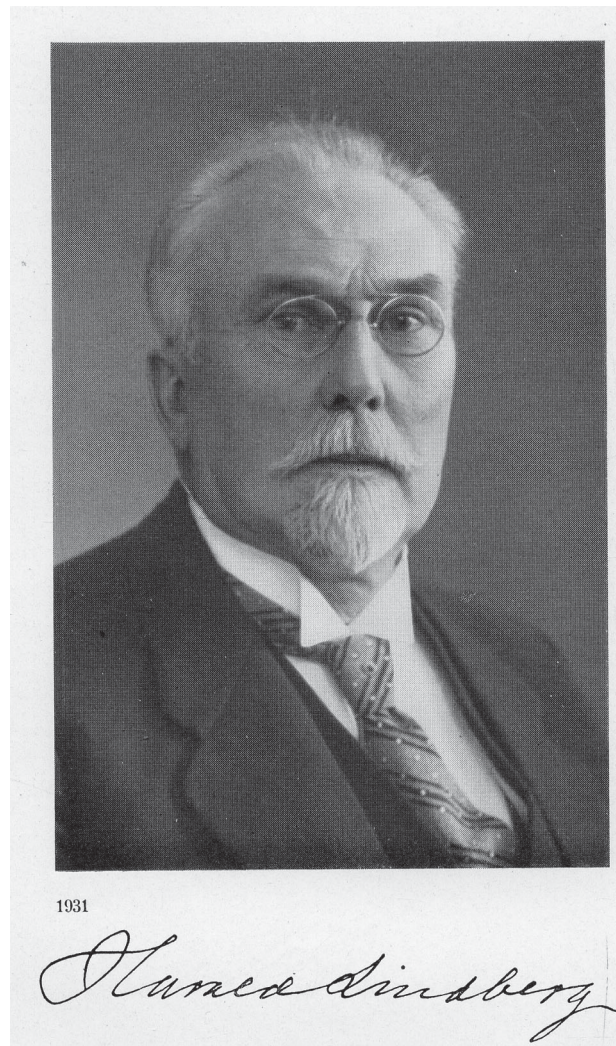
As a taxonomist *Harald Lindberg* mainly worked on North European and Mediterranean vascular plants. He published about 420 valid names of new taxa and in addition numerous invalid names or *nomina nuda*. In the present catalogue all the new names except those published under the apomictic genera *Hieracium* and *Taraxacum*, or names of mosses, are listed. Most of the North European new taxa are based on material collected by himself or others in Finland or adjacent Russia, rarely from Estonia or Sweden. The Mediterranean taxa are mostly based on the collections by his own hand from Croatia, Cyprus, Italy, Morocco, Spain or Tunisia, rarely from Bosnia and Herzegovina, Egypt, Hungary, Montenegro or Tunisia. Lindberg had no concept of type specimens and therefore all his taxa needed lectotypification. Most of the lectotypifications are performed in the present catalogue. Lindberg's main collections are preserved in the Botanical Museum, Finnish Museum of Natural History, University of Helsinki, Finland (H). Numerous types are represented in the exsiccata series *Plantae Finlandiae Exsiccatae* (nos. 1–2081) that Lindberg edited and distributed to other herbaria in 42 fascicules. His Mediterranean types specimens are frequently duplicated in the herbaria of Kew (K), Lund (LD) and/or Montpellier (MPU). Many of the names provided by Lindberg were validated by other authors, especially by I. Hiitonen in his *Suomen Kasvio* (1933). Many of the new taxa by Lindberg describe forms and varieties that are nowadays rarely recognized even though they are usually not based on obvious environmental modifications. In total, Lindberg described 321 vascular plant names *Hieracium* (34 taxa) and *Taraxacum* excluded (65). With these genera the total number is 420.

## Introduction

Harald Lindberg (1871–1963, Fig. 1) was one of the most eminent botanists in Finland in the 1900s (Väre 2010). From eastern Fennoscandia (including 1 Esthonian species) he described 75 taxa in a sequence of articles: 10 species, 1 subspecies, 14 varieties, 44 forms, 1 subform and 5 hybrids of angiosperms and pteridophytes. In 1905 he participated in the International Botanical Congress in Vienna, during which botanical excursions were organised to various parts of the Austro-Hungarian empire, e.g. through Dalmatia and Montenegro to the Adriatic Sea. Concerning current borders Lindberg described taxa from Bosnia and Herzegovina, Croatia, Italy (Trieste), Hungary and Montenegro (Table 1). In his travel accounts (Lindberg 1906f) 34 taxa were described as new to science, including two species and two subspecies, 16 varieties and 14 forms. It should be noted that most of these numbers have changed to some extent when compared to Väre (2010).

After his visit to the Balkans, Lindberg studied the central and western Mediterranean regions, travelling to Sicily and Tunisia in 1924 and to Spain and Morocco in 1926 (Lindberg 1932). From here he described 177 taxa (Table 1). Lindberg numbered his collections only during his 1926 expedition. Many of his duplicates from Morocco are kept at MPU and LD, were Lindbergs contemporaries René Maire (1878–1949) and Svante Murbeck (1859–1946) worked, both specialists in Moroccan vascular plants. In 1939 Lindberg collected in Greece (Lindberg 1941) and Bulgaria, and especially on the island of Cyprus (Lindberg 1942, 1946). He held a presentation of the results of his journeys at the *Societatis Scientiarum Fennica* in 1941 which was subsequently published (Lindberg 1942). In this work he described 8 species and 1 subspecies new to science. Later, in his main publication on plants of Cyprus, Lindberg (1946) described a further 29 new taxa (Table 1). The total number of the Mediterranean plant taxa that Lindberg described is about 250, including six

*Taraxacum* not treated here. Further, Lindberg provided at least 220 new nomenclatural combinations, some probably unintentional but valid, in his articles dealing with the Mediterranean flora.



**FIGURE 1.** Harald Lindberg (1871–1963).

His *Plantae Finlandiae Exsiccatae* was an extensive effort. Twothousand-eighty-one numbers were distributed to 23 herbaria (1906g, 1916b, 1933, 1944). That exsiccatae series includes many type specimens, and consequently, many types now have a wider distribution. Full sets of the exsiccatae were distributed from H to B, BG, BP, C, CAN, COI, G, K, L, LE, MO, NY, O, P, RO, S, TI, TK, UC, UPS and W (Lindberg 1944, 1945). Later sets, some incomplete, were sent at least to CANB, COLO and LD. The last volume of the schedae book included an index (Lindberg 1945). Sets I–VIII (1–400) were distributed in 1906, IX–XX (401–1000) in 1916, XXI–XXVI (1001–1300) in 1933 and XXVII–XLII (1301–2081) in 1944.

At the time a type concept was not yet established and therefore Lindberg did not assign any material as types. Therefore all his taxa need lectotypification. Names he gave have mainly not been typified, and, most of the types have not been studied by experts. In many cases, each collection consists of several sheets and in protologues several collections (syntypes) are given without pointing out the holotype. Lindberg validly published about 420 names of new taxa, most of which are typified here. *Hieracium* and *Taraxacum* are not typified here. The names are listed in Väre (2010) and most *Taraxaci* have been typified by Lundevall & Øllgaard (1999). Further, there are numerous invalid names or *nomina nuda*. A list of all Harald Lindberg's

botanical publications is given in Väre (2010). In the present article the term ‘lectoparatype’ is used to indicate what syntype material has been located.

Concerning the current status of the names Lindberg published, the *Flora Iberica*, the *Euro+Med Plantbase* and the following regional works were consulted: Italy: Conti *et al.* (2005), Giardina *et al.* (2007); Morocco: Fennane *et al.* (1999, 2007), Valdés (2002a, b); Cyprus: Meikle (1977, 1985). In addition the following websites were used: The International Plant Names Index (IPNI, <http://www.ipni.org>), World Checklist of Selected Plant Families (WCSP, <http://apps.kew.org/wcsp/home.do>) and World Database of Legumes (ILDIS, <http://www.ildis.org/>).

At least the following names based on Lindberg’s basionym can be said to be in current use: *Aethionema saxatile* subsp. *latifolium*, *Agropyrum marginatum*, *Agrostis cypricola*, *Minuartia filicaulis*, *M. sintenisii*, *Andryala atlantica*, *Bromopsis ramosa* subsp. *atlantica*, *Bromopsis erecta* subsp. *permixta*, *Carduus angusticeps*, *Centaurea calcitrapa* subsp. *angusticeps*, *Centaureum erythraea* subsp. *apertum*, *Pistorinia attenuata*, *Pistorinia attenuata* subsp. *mairei*, *Cynoglossum troodi*, *Epipactis troodi*, *Erigeron acris* subsp. *brachycephalus*, *E. acris* subsp. *decoloratus*, *Najas armata*, *Onopordon dissectum* subsp. *murbeckii*, *Phagnalon calycinum* subsp. *spathulatum*, *Platanthera holmboei*, *Lindbergella sintenisii*, *Pericaria foliosum*, *Rosa chionistrae*, *Rosa mesatlantica*, *Eleocharis mamillatus*, *Sideritis imbricata*, *Sinapis alba* subsp. *mairei*, *Sonchus maculigerus*, *Stachys arenaria* subsp. *divaricatidens*, *Limonium mucronulata*, *Drimia aurantiaca* and *Urtica dioica* subsp. *cypria*.

Most names Lindberg described were varieties and forms. These have generally not been accepted by recent taxonomic literature or floras, and probably in most cases not studied by experts either. The main set of collections by Lindberg are preserved in the Botanical Museum (Kasvimuseo), of the Finnish Museum of Natural History (Luonnontieteellinen keskusmuseo), at the University of Helsinki (Helsingin yliopisto), Helsinki, Finland (H). Acronyms of the herbaria follow the *Index Herbariorum* (Thiers 2011).

**TABLE 1.** Number of taxa described by Lindberg.

Country	subf.	f.	var.	subsp.	sp.	hybr.	Σ
Bosnia and Herzegovina		3	3		1		7
Croatia		9	10	1	1		21
Cyprus		6	8	4	20		38
Egypt					1		1
Esthonia					1		1
Finland	1	36	10	1	5	2	55
Hungary		1					1
Italy		3	4	2			9
Marocco		57	30	13	25		125
Montenegro			1				1
Russia		8	4		4	3	19
Spain		24	6	6			36
Sweden		1					1
Tunisia		5	1				6
Σ	1	153	77	27	58	5	321

## List of names published by *Harald Lindberg*

*Aegilops triuncialis* L. f. *hirsuta* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 9. (1932)

Lectotype (designated here): MOROCCO. Atlas magnum, in convalle fl. Reraïa, in decliv. calc. aridiss. contra deversorium pr. pag. Asni, c. 1300 m, 6 June 1926, *Harald Lindberg* 3680 (H-1182940!, isolectotypes: H-1182941!, H-1182942!, MPU-009626); lectoparatype: SPAIN. Granada: Sierra Nevada, Jollos del Purche supra opp. Granada, in colle sicco, c. 1000 m, 21 July 1926, *Harald Lindberg* 821 (H-1182920!).

Protologue localities in Lindberg (1932): 1. H [Spain], Sierra Nevada, Jollos del Purche supra oppidum Granada, in colle sicco, c. 1000 m; 2. M[orocco], Atlas major, in convalle fluminis Reraïa, in declivibus calcareis aridissimis contra deversorium La bonne Auberge prope pagum Asni, c. 1300 m. On labels the cited specimens are named f. *hirsuta* m[ihi] by Lindberg.

Identified as *A. triuncialis* L. subvar. *hirsuta* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 867 (1934). Included in *A. triuncialis* L. *sensu stricto* (WCSP 2011).

*Aegilops triuncialis* L. f. *subglabra* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 9. (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pagum Azrou, in siccis in valle Tioumliline, c. 1300 m, 27 June 1926, *Harald Lindberg* 4207 (H-1182939!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, prope pagum Azrou, in siccis in valle Tioumliline, c. 1300 m. On the label the cited specimen is named f. *subglabra* n[ova] f. by Lindberg.

Identified as *A. triuncialis* L. subvar. *subglabra* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 867 (1934). Included in *A. triuncialis* L. *sensu stricto* (WCSP 2011).

*Aethionema saxatile* (L.) R.Br. subsp. *latifolium* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 56, fig. 18c (1932) (Fig. 2)

Lectotype (Andersson *et al.* 1983: 12): MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, loco aperta in Cedreto, c. 1600 m, 24 June 1926, *Harald Lindberg* 4276 (H-1349965!, isolectotypes: H-1349966!, LD, MPU-009078).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el.Ma prope pagum Azrou, loco aperto in cedreto, c. 1600 m. On the label these specimens were named \*[subsp.]. *latifolium* m[ihi] by Lindberg.

Identified as *A. saxatile* (L.) R.Br. subsp. *ovalifolium* (DC.) Nyman var. *latifolium* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 4: 1002 (1941). *Aethionema saxatile* (L.) R.Br. subsp. *latifolium* H.Lindb. is in current use (Fennane *et al.* 1999: 404, Marhold 2011a).

*Agropyron junceum* (L.) P.Beauv. var. *velutinum* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 9 (1932), as ‘velutinus’

Lectotype (designated here): [ITALY], Sicilia, Rometta pr. opp. Messina, in lit. aren. maris, 1 May 1924, *Harald Lindberg* (H-1181972!).

Protologue locality in Lindberg (1932): S[icilia], Rometta prope oppidum Messina, in litore arenoso maris. On its label the cited specimen is named var. *velutinum* m[ihi] by Lindberg. The currently used species name is *Psathyrostachys juncea* (Fisch.) Nevski (Valdés & Scholz 2009).

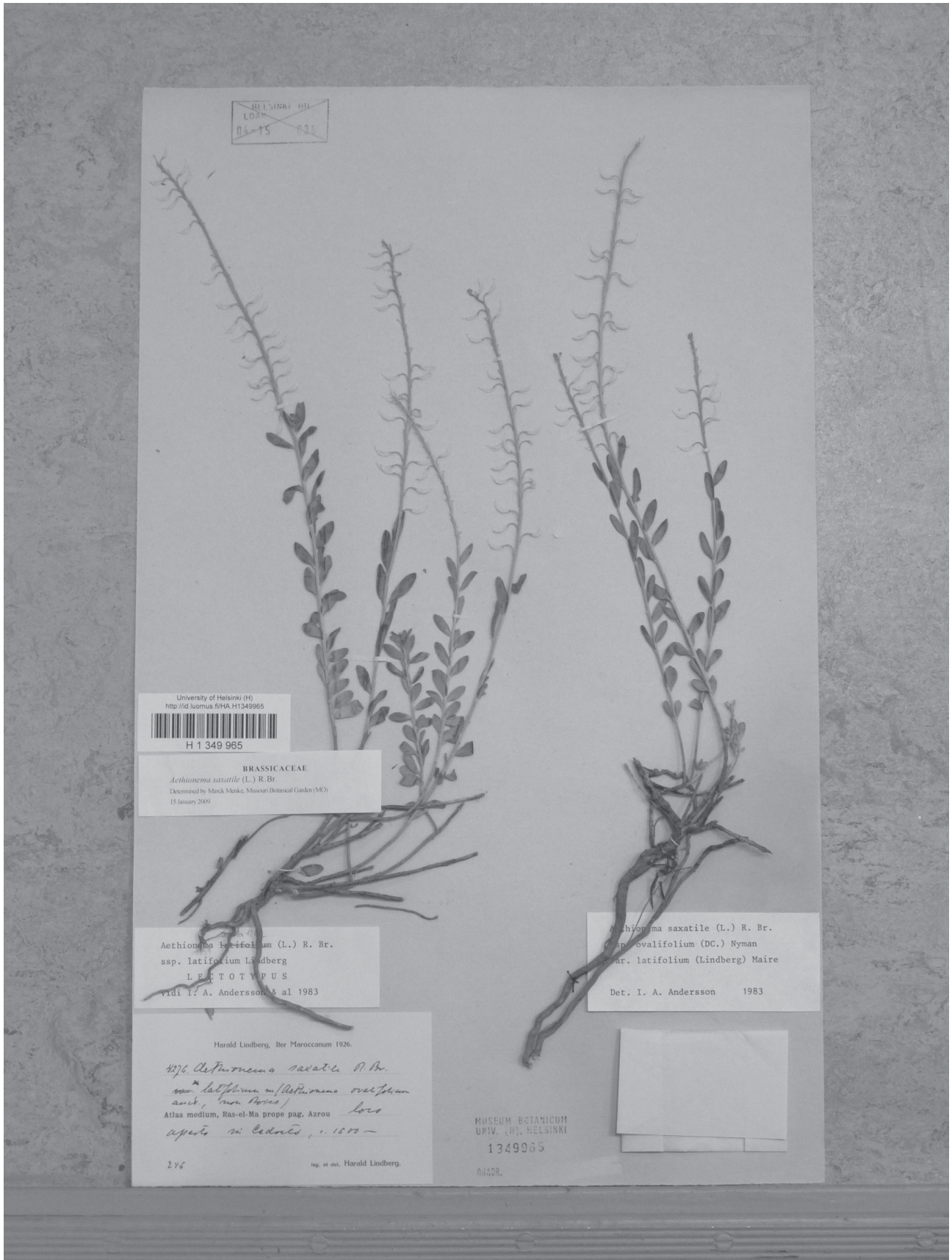


FIGURE 2. Lectotype of *Aethionema saxatile* subsp. *latifolium* (Brassicaceae)

***Agropyron marginatum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 9, fig. 3c (1932)

Lectotype (designated here): MOROCCO, Atlas medium, pag. Azrou, in Querceto vallis Tioumliline, 26 May 1926, *Harald Lindberg 4171* (H-1182097!, isolectotype: H-1182096!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, in querceto (*Qu. ilex*) in valle Tioumliline supra pagum Azrou, c. 1600 m una cum *A. panormitano* Parl. crecens. On its label the cited specimen is named *Agropyrum marginatum* n[ova] sp. by Lindberg.

Identified as *Roegneria marginata* (H.Lindb.) Dobignard, *Index Syn. Fl. Afrique N. I*: 430 (2010); *Elymus marginatus* (H.Lindb.) Á.Löve, *Feddes Repert.* 95(7–8): 453 (1984), the latter one which is in current use (Valdés *et al.* 2002b, Valdés & Scholz 2009, WCSP 2011).

***Agropyrum marginatum* H.Lindb. var. *puberulum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 9 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, in querceto in vallis Tioumliline, c. 1600 m, 26 June 1926, *Harald Lindberg 4171* (H-1182098!).

Protologue locality in Lindberg (1932): 1. M[orocco], Atlas medius, in querceto (*Qu. ilex*) in valle Tioumliline supra pagum Azrou, c. 1600 m una cum *A. panormitano* Parl. crecens. On the label of the cited specimen it is named var. *puberulum*! by Lindberg.

Identified as *A. marginatum* H.Lindb. subvar. *puberulum* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 867 (1934). Currently used species name is above.

***Agrostis cypricola* H.Lindb.**, *Årsbok-Vuosik. Soc. Sci. Fenn.* 20 B(7): 5 (1942)

Lectotype (Meikle 1985: 1782; second-step lectotype designated here): CYPRUS, Boghazi, in ripa rivuli in valle supra opp. Kyrenia, 9 June 1939, *Harald Lindberg* (H-1493117!, isolectotype: H-1493118!).

Protologue locality in Lindberg (1942): [Cyprus], juxta rivulum ad Boghazi lecta est. On labels the cited specimens are named *Agrostis cypricola* n[ova] sp. by Lindberg.

The typification statement by Meikle (1985: 1782) refers to a single gathering, but there are two sheets at H. The second-hand lectotype is designated under Art. 9.15 (McNeill *et al.* 2006).

A figure was published in Lindberg (1946, fig. 2). *Agrostis cypricola* is in current use (Valdés & Scholz 2009, WCSP 2011).

***Agrostis clavata* Trin. f. *aprica* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 1–8 : 15 (1906g)

Lectotype (designated here): FINLAND, Savonia borealis, par. Pielavesi [Maaninka], in ripa arenosa iuxta ostium Korkeakoski, 29 July 1901, *Harald Lindberg* (H-502803!, isolectotype: H-502810!); lectoparatype: [RUSSIA], Mandshuria occident, Montes Chingan, in argillosis humidis ad rivulum pr. stationem viae ferreae “Chingan”, 1 September 1902, *D. Litwinow* (H-1164799!, H-1164800!).

Protologue localities in Lindberg (1906g): 1. Finland, Savonia borealis, par. Pielavesi, Korkeakoski; 2. [Russia], Mandshuria occidentalis, Trinius, Herb. Florae Rossicae no. 1349. On labels concerning Finland these specimens are named f. *aprica* by Lindberg.

Included in *A. clavata sensu stricto* (WCSP 2011). This form was distributed in *Pl. Finland. Exs.* [454] first in 1916.

***Agrostis clavata* Trin. f. *umbrosa* H.Lindb.**, *Sched. Pl. Finland. Exs.* 48, Fasc. 1–8 [no. 49]: 15 (1906g)

Lectotype (designated here): FINLAND, Savonia borealis, par. Pielavesi [Maaninka], in fundo sabuloso ad rivulum Korkeakoski in abiegno fertili, umbroso, 9 July 1896, *A. Osw. Kihlman* [*Pl. Finland. Exs.* 48] (H-502806!, isolectotype: H-502809!).



Protologue given on printed label (Lindberg 1906g). Included in *A. clavata sensu stricto* (WCSP 2011).

***Agrostis perennans* H.Lindb. ex Cajander**, *Melan Suom. Kasvio*: 68 (1906), *nom. nud. in syn.*

Later homonym of *Agrostis perennans* (Walter) Tuck., *Amer. J. Sci. Arts* 45: 44 (1843).

***Agrostis spicigera* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 10, fig. 1. (1932)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope pagum Azrou, loco aquoso ad Oued Ifrane, c. 1600 m, 24 June 1926, *Harald Lindberg 4356* (H-1488861!, isolectotypes: H-1488862!, MPU-009624, MPU-009625)

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, loco aquoso ad fontem fluminis Oued Ifrane, c. 1600 m. On labels the cited specimens are named *Agrostis spicigera* n[ova] sp. by Lindberg, synonymous to *Agrostis stolonifera* L. (WCSP 2011).

[*Aira bottnica* Wahlenb. × *A. caespitosa* L.] **f. media** H.Lindb., *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 466, 467]: 18 (1916b), *nom illeg.*

According to Art. 24.1, this name is illegitimate: The name of an infraspecific taxon is a combination of the name of a species and an infraspecific epithet (McNeill *et al.* 2006).

[*Aira bottnica* Wahlenb. × *A. caespitosa* L.] **f. perbottnica** H.Lindb., *Sched. Pl. Finland. Exs. Fasc.* 9–20: 17 (1916b), *nom. illeg.*

According to Art. 24.1, this name is illegitimate: The name of an infraspecific taxon is a combination of the name of a species and an infraspecific epithet (McNeill *et al.* 2006).

[*Aira bottnica* Wahlenb. × *A. caespitosa* L.] **f. percaespitosa** H.Lindb., *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 468]: 18 (1916b), *nom. illeg.*

According to Art. 24.1, this name is illegitimate: The name of an infraspecific taxon is a combination of the name of a species and an infraspecific epithet (McNeill *et al.* 2006).

***Ajuga chamaepitys* L. var. grandiflora** Vis. **f. sugblabra** H.Lindb., *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 88 (1906f)

Lectotype (designated here): [CROATIA], Dalmatia, Spalato, ad marg. viae juxta oppidum, 17 May 1905, *Harald Lindberg* (H-1407734!).

Protologue locality in Lindberg (1906f): Dalm., Spalato, ad marginem viae juxta oppidum. On the label the cited specimen is named f. *sugblabra* by Lindberg. The variety *grandiflora* Vis. is a synonym of *A. chamaepitys* subsp. *chamaepitys* (WCSP 2011). This form has not recently been recognised.

***Alchemilla atlantica* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 72 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum in convalle fl. Aït Messane, loco humid. umbr. ad ped. ru. supra pagum Arround, c. 2100 m, 9 June 1926, *Harald Lindberg 3733* (H-1363210!; isolectotype: H-1363211!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Aït Messane, loco humido umbroso ad pedem rupis supra pagum Arround, c. 2100 m; 2. [MOROCCO], Hoch-Atlas, Aouljdid,

2700 m, 12 July 1924, Maire (RAB). On its labels the cited specimens are named *Alchemilla atlantica* n. sp. by Lindberg. *Alchemilla atlantica* H.Lindb. is in current use (Fennane *et al.* 1999: 494, Kurtto 2009). Type specimens are young, sterile plants.

***Alchemilla breviloba* H.Lindb.**, *Acta Soc. Sci. Fenn.* 37(10): 4 (1909)

Lectotype (designated here): RUSSIA, ppe. Tambow, loco humido in humo nigro, 30 May 1902, I. Schirajewskij (H-1271801!, isoelectotype: H-1271802!).

Protologue locality in Lindberg (1909): [Russia], Gub. Tambow, loco humido in humo nigro prope opp. Tambow, una cum *A. strigulosa*, *A. glabricaulis*, *A. acutangula* et *A. acutidenti*, 30 May 1902, I. Schirajewski. *Alchemilla breviloba* H.Lindb. is in current use (Kurtto 2009).

***Alchemilla gibberulosa* H.Lindb.**, *Acta Soc. Sci. Fenn.* 37(10): 4 (1909)

Lectotype (designated here): RUSSIA, Mosqua, 25 May 1902, D. Syrejseyikow (H-1518559!).

Protologue locality in Lindberg (1909): [Russia], Gub. Mosqua, distr. Mosqua, in prato una cum *A. hirsuticaulis*, *A. pastorali*, *A. strigulosa*, *A. micanti*, *A. subcrenata* et *A. pubescent* prope pagum Bolchaja Mytisczi, 27 May 1902, D. Ssyreitschikow. *Alchemilla gibberulosa* H.Lindb. is in current use (Kurtto 2009).

***Alchemilla glabricaulis* H.Lindb.**, *Acta Soc. Sci. Fenn.* 37(10): 3 (1909)

Lectotype (designated here): RUSSIA, Guv. Tula, Tula härad, prope pag. Mjelehovka, loc. subumbr. infra arbores. 17 June 1902, N. Zinger (H-1363431!, isoelectotype: H-1363433!); lectoparatype: RUSSIA, prope Tambow, loco humido in solo nigro. 30.5.1902. leg. J. Schirajewskij (H-1363432!).

Protologue locality in Lindberg (1909): 1. [Russia], Gub. Tambow, loco humido in humo nigro prope opp. Tambow, una cum *A. strigulosa*, *A. hirsuticaulis*, *A. micanti*, *A. acutangula*, *A. acutidenti* et *A. breviloba*, 30. V.1902, I. Schirajewskij; 2. [Russia], Gub. Tula, distr. Tula, locis subumbrosis infra arbores prope pagum Mjelehovska, 27. 5, 17 June 1902, N. Zinger. *Alchemilla glabricaulis* H.Lindb. is in current use (Kurtto 2009).

***Alchemilla litardierei* H.Lindb.**, *Acta Soc. Sci. Fenn.*, Ser. B, *Opera Biol.* 1(2): 73 (1932)

Lectotype (designated here): MOROCCO, Goundafa, 3300 m, *Litardière* (RAB).

Protologue locality in Lindberg (1932): M[orocco], Goundafa, [vallée de l'Acif Agoundis], 3300 m, *Litardière* [213].

Identified as *A. vulgaris* subsp. *litardierei* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 890. (1934). *Alchemilla litardierei* H.Lindb. is in current use (Fennane *et al.* 1999: 494, Kurtto 2009).

***Alchemilla mairei* H.Lindb.**, *Acta Soc. Sci. Fenn.*, Ser. B, *Opera Biol.* 1(2): 73 (1932)

Lectotype (designated here): MOROCCO, Reraïa, Immouzer, 2900 m, 2 July 1924, Maire (RAB).

Protologue locality in Lindberg (1932): M[orocco], Reraïa, Immouzer, 2900 m, 2 July 1924, Maire.

Identified as *A. vulgaris* subsp. *mairei* (H. Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 890 (1934). *Alchemilla mairei* H.Lindb. is in current use (Fennane *et al.* 1999: 494, Kurtto 2009).

***Alchemilla microcarpa* Boiss. & Reut. f. *glabella* H.Lindb.**, *Acta Soc. Sci. Fenn.*, Ser. B, *Opera Biol.* 1(2): 73 (1932)

Lectotype (designated here): [SPAIN], prov. Madrid, Aranjuez, in terra nuda, 30.III.1926, *Harald Lindberg* 92 (H-1116802!).

Protologue locality in Lindberg (1932): [Spain], prov. Madrid, Aranjuez, in terra nuda. On the label the cited specimen is named *Alchemilla microcarpa* var. *glabella* n. var. by Lindberg.

*Aphanes microcarpa* (Boiss. & Reut.) Rothm. is a currently used species name (Kurtto 2009). This form has not recently been recognised.

***Alchemilla propinqua* H.Lindb. ex Alexandrov et Negr.**, *Neskuchny Sad i ego rastitelnost*: 126 (1923) [presumably first half of]

Lectotype (designated by Sennikov 2011:69): RUSSIA. Moscow: Sokolniki, 6 June 1922, *L. P. Alexandrov* 33 (LE, isolectotypes LE, Museum of History and Culture of Middle Kama Region).

***Alchemilla acutangula* Buser var. *adpressepilosa* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 740]: 67 (1916b)

Lectotype (designated here): FINLAND, Nylandia, Helsingfors, in horto botanico culta, 18 June 1914, *Harald Lindberg* (H-374791!; isolectotype: H-374777!).

Protologue given on printed label (Lindberg 1916b).

Identified as *A. vulgaris* L. subsp. *acutangula* (Buser) Murb. f. *adpressepilosa* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 444 (1933) 'adpresse-pilosa'; *Alchemilla acutiloba* Opiz f. *adpressepilosa* (H.Lindb.) Hyl. ex Sam., *Uppsala Univ. Årskr.* 1945(7): 219 (1945). The currently used name is *Alchemilla acutiloba* Opiz (Kurtto 2009), and *adpressepilosa* is also recognised as a form of *A. acutiloba* (Pirainen 2005).

***Alectorolophus minor* (Ehrh.) Wimm. & Grab. \*[subsp.] *stenophyllus* (Schur) Sterneck f. *maculiferus* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 935]: 140 (1916b), *nom. nudum*.

***Rhinanthus minor* Ehrh. subsp. *stenophyllus* (Schur) Neum. f. *maculifer* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 644 (1933)

Lectotype (designated here): FINLAND, Nylandia, par. Kyrkslätt, in prato pago Österby, 27 July 1907, *Harald Lindberg* (H-537457!, isolectotype H-537451!).

Protologue locality in Lindberg (1916b): Nylandia, par. Kyrkslätt, in prato pago Österby, 27 July 1907, Harald Lindberg. On labels the cited specimens are named as f. *maculiferus* Lindb. fil (Lindberg 1916b).

This taxon was included in *Plantae Finlandiae Exsiccatae* as nr. 935. The late seasonal taxon is generally named as *R. minor* L. var. *stenophyllus* Schur., *Enum. Pl. Transsilv.*: 511 (1866), however, this name is an illegitimate and superfluous according to Art. 7.5 (McNeill *et al.* 2006), as Schur mentioned an earlier synonym: *R. minor* var. *alpinus* Gaudin.

***Allium margaritaceum* Sm. var. *papillosum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 32 (1932)

Lectotype (designated here): MOROCCO, Atlas magnum, in convalle fl. Reraïa, in colle aprico graminoso in coemetario in pago Asni, c. 1225 m., 4 May 1926, *Harald Lindberg* 3622 (H-1314975!, isolectotype: MPU-00916).

Protologue locality in Lindberg (1932): [Morocco], Atlas major, in convalle fluminis Reraïa, in colle apricosa graminoso in sepulcreto in pago Asni, c. 1225 m. On labels the cited specimens are named var. *papillosum* m[ihi] by Lindberg. Variety *papillosum* is included in *Allium baeticum* Boiss. (WCSP 2011).

***Allium paniculatum* L. var. *excedens* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 33 (1932)

Lectotype (designated here): MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, inter *Callitris*, 17 May 1926, *Harald Lindberg* 2296 (H-1236566!); lectoparatype: MOROCCO, Atlas major, in m. Djebel Amsitten, Tis Rarin, loco sicco, 17 May 1926, *Harald Lindberg* 2571 (H-1236567!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in monte Djebel Amsitten, inter *Callitris* prope Tis Rarin. On labels the cited specimens are named var. *excedens* n[ova] var. by Lindberg. A synonym of *Allium pallens* L. (WCSP 2011).

***Allium troodi* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 10, fig. 4 (1946)

Lectotype (designated here): CYPRUS, m. Troodos, in pineto (*P. pallasiana*) juxta “Military Camp”, in margine viae, 22 July 1939, *Harald Lindberg* (H-1067346!); lectoparatype: [CYPRUS], Thaeler der obersten Troodos Region, unter *Hypericum confertum*, June 1880, *P. Sintensis* n. 1073 (LD).

Protologue localities in Lindberg (1946): 1. [Cyprus], M. Troodos, in margine viae in pineto (*P. pallasiana*) juxta “Military Camp”; 2. [Cyprus], Thaeler der obersten Troodos Region, unter *Hypericum confertum*, 6.1880, *P. Sintensis* n. 1073. On the label the specimen at H was named *Allium troodi* n[ova] sp. by Lindberg. A synonym of *Allium cassium* Boiss. *sensu stricto* (WCSP 2011), or of *A. cassium* Boiss. var. *hirtellum* Boiss. (Meikle 1985: 1611).

***Alnus glutinosa* (L.) Gaertn. f. *minutifolia* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 742 (1933)

Lectotype (designated here): [FINLAND], Al [Alandia], Geta, Snäckö, 1 träd vid väg nära byn, trädet nu med två huvudstammar, resp. 30 och 10 cm i diam., 27 July 1933, *HLg* [*Harald Lindberg*] (H-086239!).

Protologue locality in Hiitonen (1933): [Finland], Al [Alandia]

The description of f. *minutifolia* was published by Lindberg (1934: 92) later, and more detailed collection locality is given there: Åland, Geta, Snäckö. On its label the cited specimen is named f. *minutifolia*! by Lindberg. This form, collected later from the same tree, was distributed in *Plantae Finlandiae Exsiccatae* no. 1129 (Lindberg 1944).

***Alopecurus arundinaceus* Poir. a[var.] *ruthenicus* (Weinm.) Marsson f. *breviaristata* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 446]: 12 (1916b)

Lectotype (designated here): FINLAND, Ostrobotnia australis, opp. Vasa, Metviken, in litore maris, 26 June 1907, *A. Lindfors* [*Pl. Finland. Exs.* 446] (H-216886!, isolectotype: H-216913!).

Protologue given on a printed label (Lindberg 1916b). This form has not recently been recognised.

***Alopecurus arundinaceus* Poir. var. *exserens* (Griseb.) Marsson. f. *longiaristata* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 447]: 12 (1916b)

Lectotype (designated here): FINLAND, Nylandia, par. Kyrkslätt, Torsvik, in litore maris, 26 June 1909, *Harald Lindberg* [*Pl. Finland. Exs.* 447] (H-596133!, isolectotype H-506119!).

Protologue given on printed label (Lindberg 1916b).

The currently used name is *Alopecurus arundinaceus* Poir. subsp. *exserens* (R.Arndt) H.Scholz & Henker. This subspecies does not occur in Finland (Hämet-Ahti *et al.* 1998, Valdés & Scholz 2009). This form has not recently been recognised.

***Alsine filicaulis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 14, fig. 9 (1946) (Fig. 3)

Lectotype (Meikle 1977: 271; second-step lectotype designated here): CYPRUS, Troödos, in terra nuda humidiuscula in decliv. in cacumine montis Chionistra, 17 June 1939, *H. Lindberg* (H-1335552!, isolectotype: H-1335556!); lectoparatypes: CYPRUS, m. Troodos, in terra nuda humidiuscula juxta fontem. “Kannoures Spring”, 22 June 1939, *Harald Lindberg* (H-1335554!, H-1335559!); CYPRUS, m. Troodos, in terra nuda juxta rivul. exsicc. ad pedem m. Chionistra, 16 June 1939, *Harald Lindberg* (H-1335558!, H-1335557!).

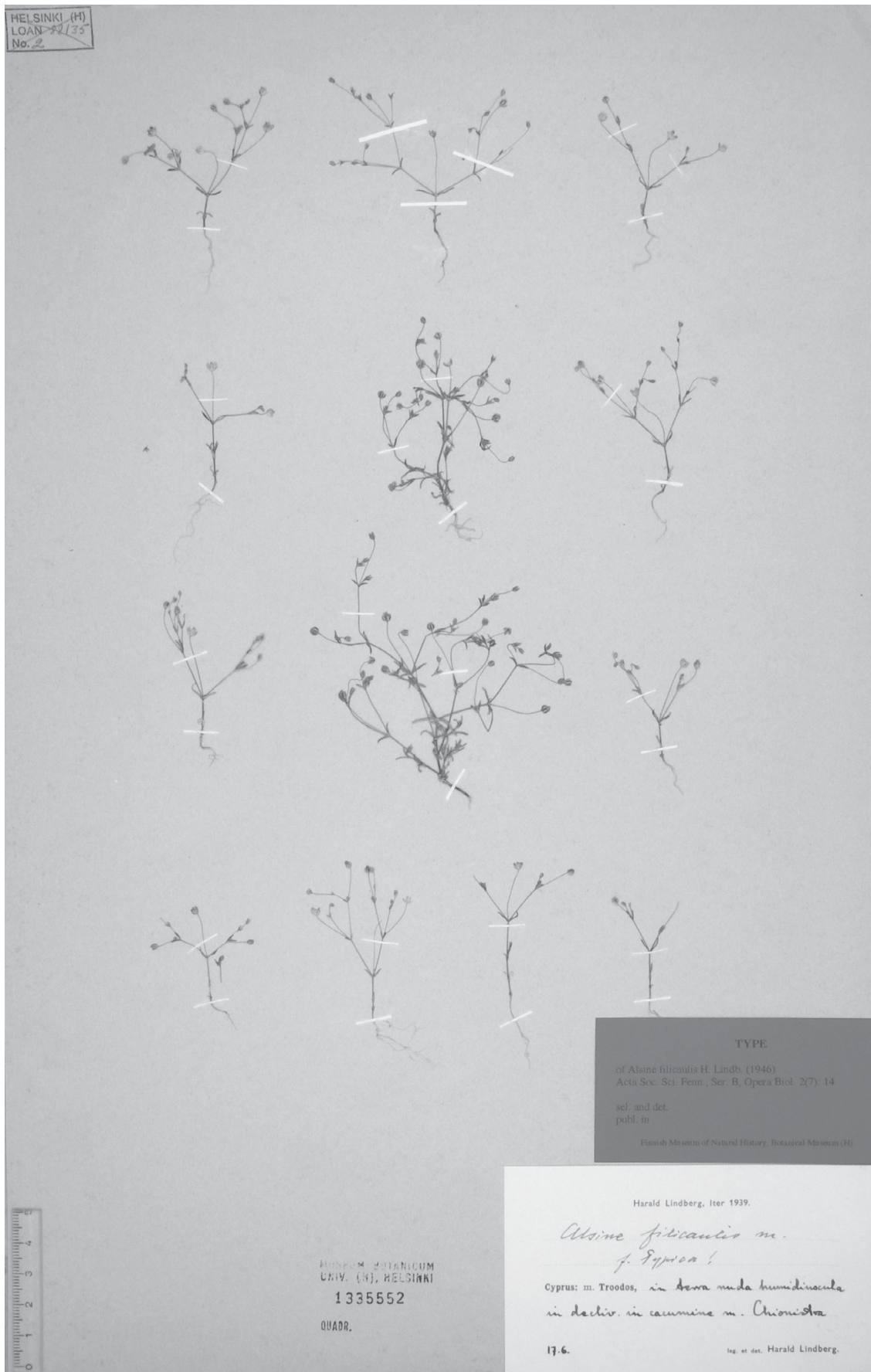


FIGURE 3. Lectotype of *Minuartia filicaulis* (Caryophyllaceae)

Protologue localities in Lindberg (1946): 1. [Cyprus], M. Troodos, in terra nuda humidiuscula in declivi in cacumine montis Chionistra ‘f. *typica*’; 2 [Cyprus], in terra nuda humidiuscula juxta fontem. “Kannoures Spring” (f. *typica*, f. *subglabra* et f. *glaberrima*); 3. [Cyprus], in terra nuda juxta rivulum exsiccatum ad pedem montis Chionistra. On labels the cited specimens are named *Alsine filicaulis* n[ova] sp. f. *typica* by Lindberg.

Identified as *Minuartia filicaulis* (H.Lindb.) Rech. f., *Iter Cypr.*: 14 (1946); *Minuartia subtilis* (Fenzl) Hand.-Mazz subsp. *filicaulis* (H.Lindb.) McNeill, *Notes Roy. Bot. Gard. Edinb.* 24: 391 (1963), the latter one of which is in current use (Marhold 2011b).

The typification statement by Meikle (1977: 271) refers to a single gathering, but there are two sheets at H. The second-hand lectotype is designated under Art. 9.15 (McNeill *et al.* 2006).

***Alsine filicaulis* H.Lindb. f. *subglabra* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 14 (1946), *nom. nudum*

Due to considerable variation in the degree of glandulosity in this species, the form does not merit taxonomic recognition (Meikle 1977: 271).

***Alsine filicaulis* H.Lindb. f. *glaberrima* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 14 (1946), *nom. nudum*

Due to considerable variation in the degree of glandulosity in this species, this form does not warrant taxonomic recognition (Meikle 1977: 271).

***Alsine sintensisii* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 14, fig. 10 (1946)

Lectotype (Meikle 1977: 268; second-step lectotype designated here): CYPRUS, m. Troodos, in campos sterili in pineto juxta “Olympus Camp Hotel”, 15 June 1939, *Harald Lindberg* (H-1336037!, isolectotype K); lectoparatypes: CYPRUS, m. Troodos, in terra nuda juxta rivul. exsicc. in declivi m. Chionistra, 16 June 1939, *Harald Lindberg* (H-1336036!, H-1336038!); CYPRUS, m. Troodos, in campo sterili in pineto juxta “Olympus Camp Hotel”, 15 June 1939, *Harald Lindberg* (H-1336037!); CYPRUS, m Troodos, in terra nuda in pineto juxta “Olympus Camp Hotel”, 17 June 1939, *Harald Lindberg* (H-1336039!); CYPRUS, m Troodos, in terra nuda in pineto juxta “Olympus Camp Hotel”, 20 June 1939, *Harald Lindberg* (H-1336040!).

Protologue localities in Lindberg (1946): 1. [Cyprus], M. Troodos, Prodhromos, in cultis; 2. [Cyprus], in terra nuda in pineto (*P. pallasiana*) juxta “Olympus Camp Hotel”; 3. [Cyprus], in terra nuda juxta rivulum exsiccatum in declivi montis Chionistra; 4. [Cyprus], in glareosis in cacumine montis Chionistra; 5. [Cyprus], M. Troodos, Sintensis n. 760, L ‘*A. meyeri* Boiss’. On labels the cited specimens are named *Alsine sintensisii* n[ova] sp. by Lindberg.

The typification statement by Meikle (1977: 268) refers to two gatherings. The second-hand lectotype is designated under Art. 9.15 (McNeill *et al.* 2006).

Identified as *Minuartia sintensisii* (H.Lindb.) Rech. f., *Ark. Bot. ser. 2*, 1: 421 (1951), which is in current use (Meikle 1977: 268, Marhold 2011b).

***Anagallis linifolia* L. f. *glandulifera* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 115 (1932)

Lectotype (designated here): [TUNISIA], Tunetia bor., in campo infra m. Djebel Zaghouan, 1 April 1924, *Harald Lindberg* (H-1604702!, isolectotype: H-1604702!).

Protologue localities in Lindberg (1932): 1. T[unisia], [Tunis], Tunetia borealis, in campo infra montem Djebel Zaghouan; 2. [Tunis], Carthago, in campo sicco. On labels the cited specimens are named f.

*glandulifera!* by Lindberg. The specimen from locality no. 2 was not found. This form has not recently been recognised.

***Anagallis linifolia* L. f. *typica* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 115 (1932), *nom. inval.*

***Anagallis linifolia* L. subsp. *collina* (Schousb.) H.Lindb. var. *schousboei* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 115 (1932)

Lectotype (designated here): MOROCCO occ., Safi, Cap Safi, in lapidosis siccis, 8 May 1926, *Harald Lindberg 1847* (H-1604692!); lectoparatype: MOROCCO occ., prope opp. Mogador, in siccis juxta fl. Oued Ksob, 12 May 1926, *Harald Lindberg 2086* (H-1604693!).

Protologue localities in Lindberg (1932): 1. M[orocco], Safi, in lapidosis siccis; 2. [Morocco], Mogador, in siccis juxta flumen Oued Ksob. On labels the cited specimens are named var. *schousboei* m[ihi] by Lindberg. Identified as *Anagallis monelli* L. var. *schousboei* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 563 (1934). Marhold (2011f) concluded that both *A. collina* and *A. linifolia* are synonymous to *A. monelli* L. This variety has not recently been recognized.

***Anchusa alborosea* Benoist f. *coerulea* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 122 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, in valle Tioumliline, 23 May 1926, *Harald Lindberg 4053* (H-1613067!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, in valle Tioumliline supra pagum Azrou, parce una cum forma floribus ochroleucis. On its label the cited specimen is named f. *coerulea!* by Lindberg. Identified as *Anchusa undulata* L. var. *alborosea* (Benoist) Br.-Bl. & Maire f. *caerulescens* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 596 (1934). *Anchusa alborosea* is synonymous to *Anchusa undulata* L. subsp. *atlantica* (Ball) Braun-Blanq. & Maire (Valdés 2011). This form has not recently been recognized.

***Andryala atlantica* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 151, fig. 40a (1932) (**Fig. 4**)

Lectotype (designated here): MOROCCO, Atlas magnum, in convalle fl. Aït Messane, in glareosis pr. pag. Arround, c. 2000 m, 12 June 1926, *Harald Lindberg 3926* (H-1451861!, isolectotype: MPU-009605); lectoparatype: MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, in saxosis apricis pr. pag. Tinitine, c. 1400 m, 5 June 1926, *Harald Lindberg 3666* (H-1451860!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Aït Messane, in saxosis apricis prope pagum Tinitine, c. 1400 m; 2. [Morocco, Atlas major], in glareosis prope pagum Arround, c. 2000 m. On labels the cited specimens are named *Andryala atlantica* m[ihi] by Lindberg. *Andryala atlantica* H.Lindb. is in current use (Greuter 2006–2009).

***Andryala mogadorensis* Coss. f. *sinuatifolia* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 152 (1932)

Lectotype (designated here): MOROCCO occ., prope opp. Mogador, in sterilibus in Insula Magna, 11 May 1926, *Harald Lindberg 2012* (H-1451919!).

Protologue locality in Lindberg (1932): [Morocco], Mogador, loco sterili in Insula Magna, specimen unium inter typo. On its label the cited specimen is named f. *sinuatifolia!* by Lindberg.

Identified as *A. canariensis* Lowe subsp. *mogadorensis* (Coss & Bal.) Maire f. *sinuatifolia* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 840 (1934).

A synonym of *A. pinnatifida* Aiton subsp. *mogadorensis* (Hook.f.) Greuter (2006–2009). This form has not recently been recognised.



FIGURE 4. Lectotype of *Andryala atlantica* (Asteraceae)



***Anemone palmata* L. f. *albiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 53 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Jaén, Santa Eléna, indecliv. herb. juxta viam ferr., int. typ., 7 April 1926, *Harald Lindberg* 395 (H-1344355!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Morea, Santa Eléna, indeclivibus herbidis juxta viam ferratam, specimina nonnulla inter typum. On the label the cited specimen is named f. *albiflora*! by Lindberg.

***Anthemis coronata* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 108, Tab. 1. fig. 1 (1906f)

Lectotype (designated here): [CROATIA], Illyricum, Dalmatia, Cattaro [Kotor], in declivibus saxois calc. supra oppidum, 24 May 1905, *Harald Lindberg* (H-1146558!, isolectotype: H-1146557!).

Protologue locality in Lindberg (1906f): Dalm., Cattaro, in declivibus saxois calc. in vallecula supra oppidum. On labels the cited specimens are named *Anthemis coronata* n[ova] sp. by Lindberg.

A synonym of *Cota dalmatica* (Scheele) Oberpr. & Greuter (Greuter 2006–2009). In 1981 Jaakko Sarvela identified these specimens as *Anthemis segetalis*.

***Anthemis cypricola* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 33, fig. 23 (1946)

Lectotype (designated here): CYPRUS, distr. Larnaca, in siccis prope opp. Larnaca, 25 June 1939, *Harald Lindberg* (H-1017727!, isolectotype: H-1017726!); lectoparatype: CYPRUS, distr. Nicosia, in declivibus siccis ad Athalassa pr. opp. Nicosia, 4 June 1939 (H-1017728!); CYPRUS, distr. Kyrenia, Pentadactylos, loco sterili pr. “Armenian Monastery”, 5 July 1939, *Harald Lindberg* (H-1017729!).

Protologue localities in Lindberg (1946): 1. [Cyprus], Pentadactylos loco sterili prope “Armenia Monastery”; 2. [Cyprus], in declivibus lapidosis siccis ad Athalassa prope opp. Nicosia; 3. [Cyprus], in siccis prope opp. Larnaca. On labels the cited specimens are named *Anthemis cypricola* n[ova] sp. by Lindberg, a synonym of *Anthemis tricolor* Boiss. (Meikle 1985: 912, Greuter 2006–2009, det. A. J. G. Grierson).

***Anthoxanthum ovatum* Lag. var. *exsertum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 11 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Cádiz, Algeciras, in graminosis juxta oppidum, 15 April 1926, *Harald Lindberg* 533 (H-1050495!); lectoparatype: [ITALY], Sicilia, S. Agata Battiati supra opp. Catania, 3V.1924, *Harald Lindberg* (H-1050492!); MOROCCO occ., prope opp. Rabat, Kenitra, in silva Mamora, solo arenoso, 2 May 1926, *Harald Lindberg* 1625 (H-1050496!).

Protologue localities in Lindberg (1932): 1. H [Spain], juxta Algeciras, 2. S[icilia], S. Agata Battiati supra oppidum Catania, 3. M[orocco], Kenitra prope oppidum Rabat, in silva Mamora, solo arenoso. On labels the cited specimens are tentatively named as f. *exsertum* m[ihi] by Lindberg.

Identified as *A. ovatum* Lag. f. *exsertum* (H.Lindb.) Lambinon, *Candollea* 46(1): 218 (1991). A synonym of *Anthoxanthum ovatum* Lag. *sensu stricto* (WCSP 2011).

***Anthoxanthum ovatum* Lag. var. *exsertum* H.Lindb. f. *mamoraeum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 11 (1932), as ‘mamorae’

Lectotype (designated here): MOROCCO occ., prope opp. Rabat, Kenitra, in silva Mamora, 2 May 1926, *Harald Lindberg* 1659 (H-1050497!).

Protologue locality in Lindberg (1932): [Morocco], Kenitra prope oppidum Rabat, in Silva Mamora. On labels this specimen was tentatively named as f. *mamorae* n[ova] f. by Lindberg. A synonym of *Anthoxanthum ovatum* Lag. *sensu stricto* (WCSP 2011).

***Anthriscus vulgaris* Pers. f. *longipedicellata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 109 (1932)

Lectotype (designated here): Hispania [SPAIN], Prov. Jaén, Santa Eléna, loco umbroso infra rupem juxta viam ferr., 5 April 1926, *Harald Lindberg* 241 (H-1392893!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Morena, Santa Eléna, loco umbroso infra rupem juxta viam ferratam. On the label the cited specimen is named f. *longipedicellata*! by Lindberg. The species name is a synonym of *Anthriscus caucalis* M.Bieb. (*Flora Iberica* 2011b). This form has not recently been recognised.

***Anthyllis vulneraria* L. subsp. *euvulneraria* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 756]: 93 (1916b), *nom. inval.*

***Anthyllis vulneraria* L. subsp. *dillenii* (Autran) H.Lindb. var. *illyrica* (Beck.) H.Lindb. f. *bicolor* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 55 (1906f)

Lectotype (designated here): [BOSNIA & HERZEGOVINA], Illyricum, Hercegovina, Mostar, in saxosis ad ped. montis Stolac, 30 May 1905, *Harald Lindberg* (H-1526453!).

Protologue locality in Lindberg (1906f): Herceg., Mostar, in saxosis apricis ad pedem montis Stolac. On the label the cited specimen is named f. *bicolor* m[ihi] by Lindberg.

Subspecies *dillenii* is a synonym of *A. vulneraria* subsp. *iberica* (W.Becker) Cullen, *A. illyrica* Beck of *A. vulneraria* subsp. *weldeniana* (Rchb.) Cullen (ILDIS 2010). This form has not recently been recognised.

***Anthyllis vulneraria* L. subsp. *maura* (Beck) Maire var. *rubrifolia* Sag. f. *villosissima* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 77 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum in convalle flo Aït Messane, in rupe pr. pag. Arround, c. 2000 m, 10 June 1926, *Harald Lindberg* 3776 (H-1526270!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, in rupe prope pagum Arround, c. 2000 m. On its label the cited specimen is named f. *villosissima* m[ihi] by Lindberg. This form and variety have not been recently recognized.

***Anthyllis vulneraria* L. subsp. *pseudoarundana* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 77 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, in glareosis reg. alp. infra Laguna de las Yeguas, c. 2300 m, 23 July 1926, *Harald Lindberg* 1020 (H-1526340!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in glareosis regionis alpinae infra Laguna de las Yeguas, c. 2300 m. On the label the cited specimen is named *A. vulneraria* \*[subsp.] *pseudo-arundana* n[ova] subsp. by Lindberg. This name is in current use (*Flora Iberica* 2011a).

***Anthyllis vulneraria* L. subsp. *webbiana* (Hook.) Boiss. f. *adpressepilosa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 77 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, in glareosis pr. monast. de. P. Francisco, c. 1400 m, 24 July 1926, *Harald Lindberg* 1132 (H-1526595!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in glareosis prope monasterium, c. 1400 m. On the label the cited specimen is named f. *adpresse-pilosa*! by Lindberg. *Anthyllis webbiana* auct. is a synonym of *A. vulneraria* subsp. *pseudoarundana* H.Lindb. (*Flora Iberica* 2011a). This form has not recently been recognised.

***Anthyllis vulneraria* L. subsp. *webbiana* (Hook.) Boiss. f. *patulepilosa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 77 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, in reg. alp. juxta Laguna de las Yeguas, 2400 m, 24 July 1926, *Harald Lindberg 1172* (H-1526597!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in glareosis regionis alpinae juxta Laguna de las Yeguas, 2400 m. On its label the cited specimen is named *A. webbiana* f. *patule-pilosa*! by Lindberg. *Anthyllis webbiana* auct. is a synonym of *A. vulneraria* subsp. *pseudoarundana* H.Lindb. (*Flora Iberica* 2011a). This form has not recently been recognised.

***Arabis verna* (L.) R.Br.  $\alpha$  [var.] *leiocarpa* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 40 (1906f), as 'liocarpa'

Lectotype (designated here): [CROATIA], Dalmatia, Ragusa [Dubrovnik], Gravosa, Mte Petka, in fissuris montis, 23 May 1905, *Harald Lindberg* (H-1355233!, isoelectotype: H-1355227!).

Protologue locality in Lindberg (1906f): Dalm., Gravosa prope Ragusa, in fissuris ad pedem montis Petka. On the label the cited specimen is named  $\alpha$  *liocarpa* m[ihi] by Lindberg. This form has not recently been recognised.

***Arabis verna* (L.) R.Br.  $\beta$  [var.] *hebecarpa* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 40 (1906f)

Lectotype (designated here): [CROATIA], Dalmatia, in sterilibus inter Gravosa et Ragusa [Dubrovnik], 20 May 1905, *Harald Lindberg* (H-1355229!, isoelectotype: H-1355228!); lectoparatypes: [CROATIA], Dalmatia, in muro inter Ombla et Gravosa prope Ragusa, 21 May 1905, *Harald Lindberg* (H-1355232!); [CROATIA], Dalmatia, Ragusa, Cannosa prope Gravosa, 21 May 1905, *Harald Lindberg* (H-1355230!).

Protologue localities in Lindberg (1906f): 1. Dalm., Ragusa, in muro inter Gravosa et Ombla; 2 Cannosa prope Gravosa, in muro loco umbroso; 3. In colle sicco sterili inter Ragusa et Gravosa. On its label the cited specimen is named  $\beta$  *hebecarpa* m[ihi] by Lindberg. This variety has not recently been recognised.

***Arbutus andrachne* L. f. *arguteserrata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 25 (1946)

Lectotype (designated here): CYPRUS, m. Troodos, Platania, in margine silvae juxta viam, 16 July 1939, *Harald Lindberg* (H-1400737!, isoelectotype: H-1400736!).

Protologue locality in Lindberg (1946): [Cyprus], M. Troodos, Platania, in margine silvae juxta viam. On labels the cited specimens are tentatively named as var. *arguteserrata* n[ova] var. by Lindberg. This form is included in *A. andrachne* L. *sensu stricto* Meikle (1985: 1063).

***Artemisia absinthium* L. subsp. *nevadensis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 153, fig. 41a (1932), as 'nevadense'

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, in marg. cult. reg. subalp., infra Laguna de las Yeguas, c. 2000 m, 23 July 1926, *Harald Lindberg 991* (H-1648984!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in margine cultorum in regione subalpina, infra Laguna de las Yeguas, c. 2000 m. On the label the cited specimen is named subsp. *nevadense*! by Lindberg. This subspecies name has not recently been recognised.

***Astragalus cruciatus* Link f. *linearifolius* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 78 (1932)

Lectotype (designated here): [TUNISIA], Tunetia media, Aïn Gharesia, in campo juxta stat. via. ferr., haud procul a Kairouan, 3 April 1924, *Harald Lindberg* (H-1283326!).

Protologue locality in Lindberg (1932): T[unisia], Tunetia media, Aïn Gharesia, in campo juxta stationem viae ferratae, haud procul ab oppido Kairouan. On its label the cited specimen is named f. *linearifolius* n[ova] f. by Lindberg. The species name is a synonym of *Astragalus corrugatus* Bertol. (ILDIS 2010). This form has not recently been recognised.

***Astragalus echinus* DC. \* [subsp.] *chionistrae* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 19, fig. 15 (1946)

Lectotype (designated by Meikle 1977: 503): CYPRUS, Troödos, on stony ground at the summit of Khionistra, 16 June 1939, H. Lindberg (K); isolectotype: CYPRUS, m. Troodos, in lapidosis in cacumine Chionistra, 16 June 1939, *Harald Lindberg* (H-1283487!).

Protologue locality in Lindberg (1946): 1. [Cyprus], M. Troodos, in lapidosis in cacumine Chionistra. On the label the cited specimen is named \* [subsp.] *chionistrae* n[ova] subsp. by Lindberg.

Identified as *Astragalus echinus* var. *chionistrae* (H.Lindb.) Meikle, *Fl. Cyprus* 1: 503, 806 (1977). *Astracantha echinus* (DC.) Podlech is the currently used species name (ILDIS 2010). The epithet *chionistrae* has not been recently recognized.

***Avena bromoides* Gouan f. *flava* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 12 (1946)

Lectotype (designated here): MOROCCO, Atlas magnum, in convalle fl. Reraïa, in decliv. inter frutices contra deversorium pr. pag. Asni, c. 1250 m, 2 June 1926, *Harald Lindberg* 3487 (H-1168892!), lectoparatype: MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, in cedreto, c. 1600 m, 24 June 1926, *Harald Lindberg* 4300 (H-1168891!).

Protologue localities in Lindberg (1932): 1. M[orocco], in convalle fluminis, in declivibus siccis inter frutices contra deversorium La bonne Auberge, c. 1250 m, 2. M[orocco], Atlas medius, Ras-el-Ma, Azrou in cedreto, c. 1600 m. On labels the cited specimens are named f. *flava* ! by Lindberg. *Helictochloa bromoides* (Gouan) Romero Zarco is a currently used species name. This form has not recently been recognised.

***Bassia pulverulenta* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 12 (1946)

Lectotype (designated here): CYPRUS, distr. Larnaka, in litore prope opp. Famagusta, 9 July 1939, *Harald Lindberg* (H-1038483!, isolectotype: H-1038484!); lectoparatypes: CYPRUS, in ripa stagni salicinarum prope opp. Larnaka, 25 June 1939, *Harald Lindberg* (H-1038486!, H-1038487); CYPRUS, in ripa stagni salicinarum prope opp. Larnaka, 27 June 1939, *Harald Lindberg* (H-1038489!); CYPRUS, in salicis juxta stagnum pr. opp. Larnaka, 29 June 1939, *Harald Lindberg* (H-1038482!, H-1038485!).

Protologue localities in Lindberg (1946): 1. [Cyprus], In salinis prope opp. Larnaka; 2. [Cyprus], In ripa maris prope opp. Famagusta; 3. [Cyprus], Larnaka, Salzee, 15.7.1880, P. Sintensis (L 'Echinopsilon muricatus'); 4. [Cyprus], In opp. Nicosia, ad Famagusta lecta (Herb. Instit. Agricult.??? 'Bassia muricata'). On labels the cited specimens are named *Bassia pulverulenta* m[ova] sp. by Lindberg. A synonym of *Salsola inermis* Forssk. (Meikle 1985: 1392, Uotila 2011).

[***Betula nana* L. × *B. verrucosa* Ehrh.] f. *cordifolia* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 596]: 51 (1916b), *nom illeg.*

According to Art. 24.1, this name is illegitimate: The name of an infraspecific taxon is a combination of the name of a species and an infraspecific epithet (McNeill *et al.* 2006).

***Bidens radiatus* Thuill. f. *pumilus* H.Lindb.**, *Enum. Pl. Fennoscandia*: 56 (1901), as 'pumila', *nom. nudum*

***Bidens radiatus* f. *pumilus* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 694 (1933), *nom. illeg. superfl.*

Isonym of *B. radiatus* Thuill. f. *pumilus* Backman, *Meddel. Soc. Fauna Fl. Fenn.* 28A: 38 (1902), as ‘pumila’

***Biserrula pelecinus* L. f. *hebecarpa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 78 (1932), *nom. nudum*

***Biserrula pelecinus* L. f. *liocarpa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 78(1932), *nom. nudum*

***Biscutella didyma* L. subsp. *lyrata* L. var. *maritima* Ten. f. *glaberrima* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 59 (1932)

Lectotype (designated here): MOROCCO, Atlas major, in convalle fl. Ait Messane, in decliv. lapid. calc. pr. pag. Tinitine, c. 1400 m, 3 June 1926, *Harald Lindberg 3493* (H-1509707!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Ait Messane, in declivibus lapidosis siccis prope pagum Tinitine, c. 1400 m. On its label the cited specimen is named \*[subsp.] *lyrata* f., without name, by Lindberg. Subspecies *lyrata* is a synonym of *Biscutella lyrata* L., and var. *maritima* of *B. maritima* Ten. (Marhold 2011a). This form has not recently been recognised.

***Botrychium simplex* Hitchc. f. *compositum* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 24: 82. (1900), as ‘composita’, *nom. nudum*

The accepted name is *Botrychium simplex* Hitchc. f. *compositum* Lasch

***Botrychium simplex* Hitchc. f. *incisum* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 24: 82. (1900), as ‘incisa’, *nom. nudum*

The accepted name is *Botrychium simplex* Hitchc. f. *incisum* Lasch

***Botrychium simplex* Hitchc. f. *simplicissimum* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 24: 82. (1900), as ‘simplicissima’, *nom. nudum*

The accepted name is *Botrychium simplex* Hitchc. f. *simplicissimum* Lasch

***Botrychium simplex* Hitchc. f. *subcompositum* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 24: 82. (1900), as ‘subcomposita’, *nom. nudum*

The accepted name is *Botrychium simplex* Hitchc. f. *subcompositum* Lasch

***Brachypodium boissieri* Nyman f. *aristatum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 12 (1932), as ‘aristata’

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, in saxosis calc. juxta monasterium de S. Francisco, 1400 m, 24 July 1926, *Harald Lindberg 1104* (H-1180784!, isolectotype: H-1180785!); lectoparatype: H [SPAIN], Sierra Nevada, in rup. calc. apric., juxta monist. de S. Francisco, c. 1400 m, 24 July 1926, *Harald Lindberg 1133* (H-1180786!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in saxosis calcareis apricis juxta monasterium, 1400 m. On labels the cited specimens are named f. *aristata*! by Lindberg. Included in *Brachypodium boissieri sensu stricto* (WCSP 2011).

***Brachypodium firmifolium* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 7, fig. 1 (1946)

Lectotype (designated by Meikle 1985: 1814): CYPRUS, M. Troodos, Mesopotamos, in siccis juxta cataractam, 21 June 1939, *Harald Lindberg* (K, isolectotype: H-1180787!).

Protologue locality in Lindberg (1946): [Cyprus], M. Trodos, Mesopotamos, in siccis juxta cataractarum. On labels the cited specimens are named *Brachypodium firmifolium* n[ova] sp. by Lindberg.

A synonym of *Brachypodium glaucovirens* (Murb.) Sagorski [Valdés & Scholz 2009, det. H. Maok? (B) 2006], or accepted as a species (Meikle 1985: 1814, WCSP 2011).

***Bromus arvensis* L. var. *recurvatus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 7 (1946)

Lectotype (designated here): CYPRUS, distr. Nicosia, Kakopetria ad viam ad m. Trodos, in cultis, 23 July 1939, *Harald Lindberg* (H-1179119!); lectoparatype: CYPRUS, distr. Nicosia, pag. Galata ad viam. ad. m. trodos, in margine cultorum, 23 July 1939, *Harald Lindberg* (H-1179118!).

Protologue localities in Lindberg (1946): 1. [Cyprus], Kakopetria ad viam ad m. Trodos, in cultis; 2. [Cyprus], Galata ad viam ad m. trodos, in margine cultorum. On labels the cited specimens are named var. *recurvatus* m[ihi] by Lindberg. Due to considerable variation within this species, this variety does not merit taxonomic recognition (Meikle 1985: 1799).

***Bromus arvensis* L. var. *recurvatus* H.Lindb. f. *puberulus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 7 (1946)

Lectotype (designated here): CYPRUS, distr. Nicosia, Kakopetria, ad viam ad m. Trodos, in cultis, 23 July 1939, *Harald Lindberg* (H-1179117!).

Protologue locality in Lindberg (1946): [Cyprus], Kakopetria, in cultis. On its label the cited specimen is named f. *puberulus* m[ihi] by Lindberg. Due to the considerable variation within this species, this form does not merit taxonomic recognition (Meikle 1985: 1799).

***Bromus atlanticus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 13, fig. 2 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, ad ped. rup. calc. umbr. juxta flumen, c. 1250 m, 3 June 1926, *Harald Lindberg* 3533 (H-1179132!, isolectotypes: H-1179132!, H-1179134!); lectoparatypes: MOROCCO, Atlas major, in decliv. lapid. pr. pag. Aguersioual, c. 1600 m, 8 June 1926, *Harald Lindberg* 3691 (H-1179131!, H-1179135!, MPU-009623); MOROCCO, Atlas medium, supra pag. Azrou, in *Querceto ilicis* vallis Tioumliline, 1600 m, 26 June 1926, *Harald Lindberg* 4172 (H-1179133!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Aït Messane, ad pedem rupis umbrosum juxta flumen, c. 1250 m; 2. M[orocco], Atlas major, in declivibus lapidosis prope pagum Aguersioual, c. 1600 m; 3. M[orocco], Atlas medius, in querceto (*Qu. ilex*) in valle Tioumliline supra pagum Azrou, 1600 m. On labels the cited specimens are named *Bromus atlanticus* n[ova] sp. by Lindberg.

Identified as *Zerna atlantica* (H.Lindb.) Holub, *Folia Geobot. & Phytotax.* 5: 439 (1970); *Bromopsis atlanticus* (H.Lindb.) Holub, *Folia Geobot. Phytotax.* 8: 167. (1973); *Bromopsis ramosa* (Huds.) Holub subsp. *atlantica* (H.Lindb.) H.Scholz & Valdés, *Willdenowia* 36: 660 (2006), the latter one of which is in current use. It has also been considered as synonym of *Bromus benekenii* (Lange) Trimen (WCSP 2011).

***Bromus erectus* Huds. subsp. *permixtus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 14 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope pagum Azrou, in cedreto, c. 1600 m, 29 June 1926, *Harald Lindberg* 4435 (H-1179532!, isolectotypes: H-1179533!, MPU-009622)

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, in cedreto. On labels the cited specimens are named subsp. *permixtus* m[ihi] by Lindberg.

Identified as *Bromus macrostachys* subsp. *permixtus* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 865 (1934); *Zerna permixta* (H.Lindb.) Holub, *Folia Geobot. & Phytotax.* 5: 440 (1970); *Bromopsis permixta* (H.Lindb.) Holub, *Folia Geobot. Phytotax.* 8: 168. (1973); *Bromopsis erecta* Fourr. subsp. *permixta* (H.Lindb.) H.Scholz & Valdés, *Willdenowia* 36: 660. (2006). Synonyms of *Bromus erectus* Huds. *sensu stricto* (WCSP 2011), or of *Bromopsis erecta* (Huds.) Fourr. (Valdés & Scholz 2009).

***Bromus inermis* Leyss. f. *aprica* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 1–8 [no. 79]: 25 (1906g), *nom. nudum*

***Bromus inermis* Leyss. f. *umbrosa* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 1–8 [no. 79]: 25 (1906g), *nom. nudum*

***Calamagrostis epigejos* (L.) Roth. f. *laeviculmis* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 458]: 15 (1916b)

Lectotype (designated here): FINLAND, Satakunta, opp. Björneborg [Pori], Kahaluoto, Ylinokkka, 15 June 1901, *E. Häyrén* [*Pl. Finland. Exs.* 458] (H-237675!, isolectotype: H-237669!).

Protologue given on printed label (Lindberg 1916b). This form has not recently been recognised.

***Calluna vulgaris* L. f. *versicolor* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 565 (1933)

Lectotype (designated here): [FINLAND], Ab [Regio aboënsis], Lojo [Lohja], på Lojo ås, en buske bland den vanliga formen [one plant amongst the typical ones], 25 August 1915, *Harald Lindberg* (H-306863!, isolectotype 306864!).

Protologue locality in Hiitonen (1933): [Finland], Ab [Regio aboënsis]. On labels the cited specimens are named as f. *versicolor*! by Lindberg. The type sheets are cross-labelled by fol. 1 and fol. 2. This form has not recently been recognised.

***Campanula filicaulis* Dur. var. *cedretorum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 149 (1932)

Lectotype (designated here): MOROCCO, Atlas med., Ras-el-Ma pr. pag. Azrou, loco aperto in cedreto, c. 1600 m, 24 June 1926, *Harald Lindberg* 4277 (H-1428688!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, loco aperto in cedreto, c. 1600 m. On the label the cited specimen is named var. *edretorum* m[ihi] by Lindberg. This is a synonym of *Campanula filicaulis* Dur. *sensu stricto* (WCSP 2011).

***Carduus angusticeps* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 113, Tab. 3 (1906f) (**Fig. 5**)

Lectotype (designated here): [BOSNIA AND HERZEGOVINA], Illyricum, Bosnia, in valle fl. Vrbas, in decliv. juxta viam inter Jajce et Bočac, 6 June 1905, *Harald Lindberg* (H-1444265!).

Protologue locality in Lindberg (1906f): Bosn., in valle fluminis Vrbas, in declivibus juxta viam publicam inter Jajce et Bočac. On its label the cited specimen is named *Carduus angusticeps* m[ihi] by Lindberg.

A specimen collected at the type locality by Lindberg on 19 June 1905 (H-1444264!) was undetermined by him. With that sheet there is a note that another specimen of *C. angusticeps* was sent to Vienna, but has never been returned. *Carduus angusticeps* is in current use (Greuter 2006–2009).

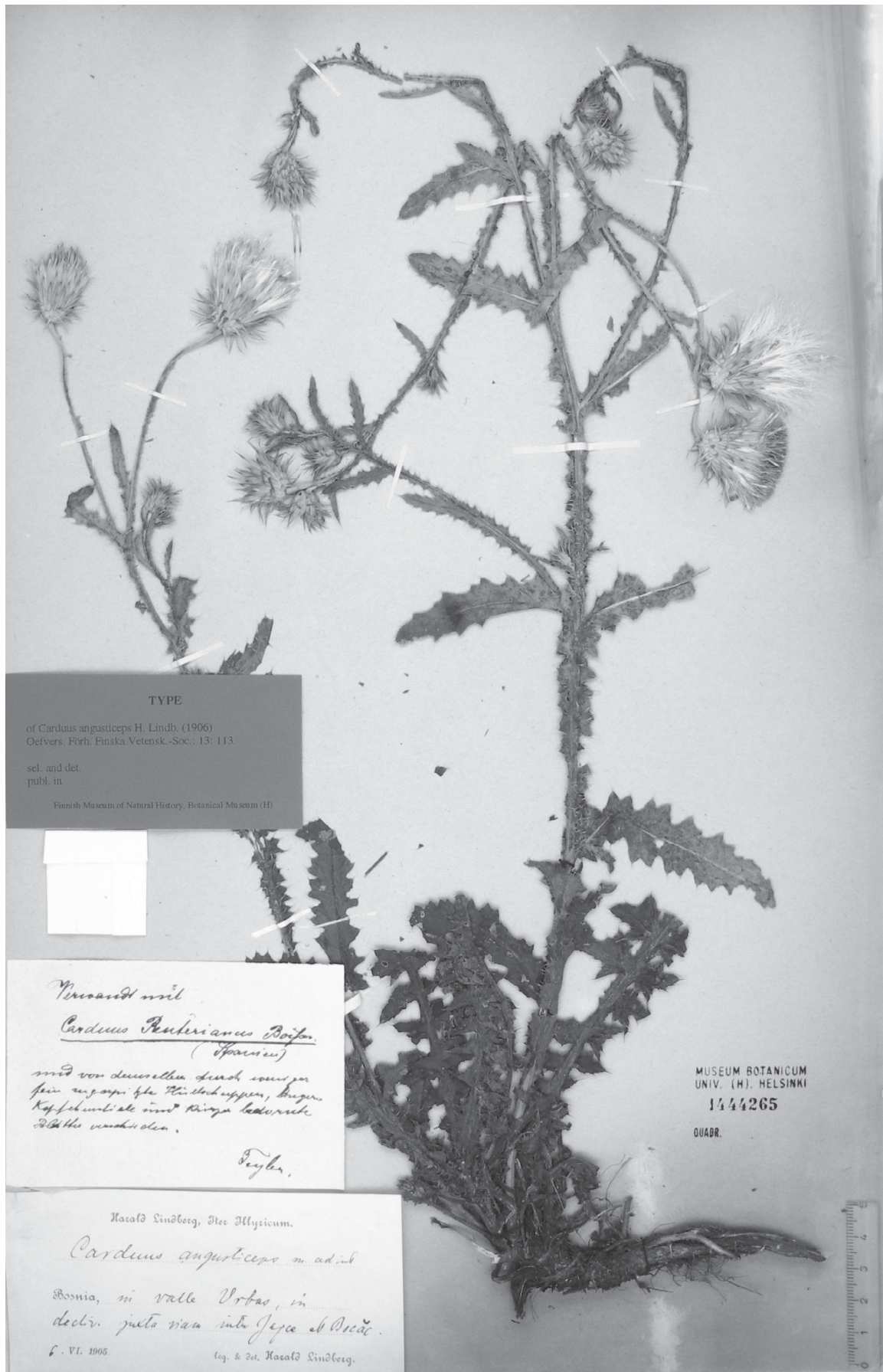


FIGURE 5. Lectotype of *Carduus angusticeps* (Asteraceae)



***Carduus carlinoides* Gouan f. *albiflorus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 155 (1932)

Lectotype (designated here): Hispania [SPAIN], Prov. Granada, Sierra Nevada, in glareosis juxta Laguna de las Yeguas, c. 2500 m, 22 July 1926, *Harald Lindberg* 871 (H-1444294!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in glareosis juxta Laguna de las Yeguas, c. 2500 m. On the label the cited specimen is named f. *albiflora* by Lindberg.

***Carduus myriacanthus* Salzm. ex DC. f. *albiflorus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 155 (1932), as 'albiflora'

Lectotype (designated here): MOROCCO bor., prope opp. Tanger, in arenosis maritimis, 25 April 1926, *Harald Lindberg* 1278 (H-1444470!).

Protologue locality in Lindberg (1932): M[orocco], Tanger, in arenosis maritimis una cum forma floribus roseis. On its label the cited specimen is named f. *albiflora!* by Lindberg.

***Carex caryophyllea* Latourr. var. *sierraea-nevadae* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 27, fig. 9a (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, in pascuis regionis infra Laguna de las Yeguas, c. 2300 m, 22 July 1926, *Harald Lindberg* 964 (H-1301619!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in pascuis regionis infra Laguna de las Yeguas, c. 2300 m. On its label the cited specimen is named var. *Sierra Nevadae!* by Lindberg, a synonym of *Carex caryophyllea* Latourr. *sensu stricto* (WCSP 2011).

***Carex helodes* Link subsp. *andalusica* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 28, fig. 10 (1932)

Lectotype (designated here): [SPAIN, prov. Cádiz], Algeciras, loco umbroso juxta rivulum in convalle ad pedem montis S. de Palma, supra praed, Cobre, 21 April 1926, *Harald Lindberg* 752 (H-1304035!), isoelectotypes: H-1304033!, H-1304034!, H-1304036!).

Protologue locality in Lindberg (1932): H [Spain], Algeciras, loco umbroso in querceto juxta rivulum ad pedem montis Sierra de Palma, supra praedium Cobre. On labels the cited specimens are named subsp. *C. andalusica* n[ova]. subsp. by Lindberg.

Identified as *Carex andalusica* (H.Lindb.) A.W.Hill, *Index Kew., Suppl.* 9: 51 (1938). It is currently treated as synonym of *C. laevigata* Smith (Luceño 2007: 180, Jiménez-Mejías & Luceño 2011, WCSP 2011).

***Carex hornschurchiana* Hoppe var. *eckeroeensis* H.Lindb. & Palmgren**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 537]: 36 (1916b)

Lectotype (designated here): FINLAND, Alandia, par. Eckerö, Storby, in prato humido, 15 June 1911, *A. A. Magnusson* [*Pl. Finland. Exs.* 537] (H-449794!).

Protologue given on printed label (Lindberg 1916b).

Identified as *Carex fulva* Good. var. *eckeroeensis* (H.Lindb. & Palmgren) Hagfors, *Luettelo Suom. Putkilokasveista*: 44 (1924); *C. hornschurchiana* Hoppe subsp. *eckeroeensis* (H.Lindb. & Palmgren) Lindman, *Svensk Fanerogamflora*: 153 (1926); *Carex hostiana* var. *eckeroeensis* (H.Lindb. & Palmgren) Hyl., *Nordisk Kärldväxtflora* II: 169 (1966). It is currently treated as synonym of *Carex hostiana* DC. *sensu stricto* (WCSP 2011).

***Carex leporina* L. subsp. *atlasica* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 29, fig. 9c (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, loc. humid. gramin. in decliv. supra Sidi Chamarouch, c. 2500 m, 11 June 1926, *Harald Lindberg* 3828 (H-1304979!, isolectotype: H-1304980!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, loco humido graminoso in declivi supra Sidi Chamarouch, c. 2500 m. On the label the cited specimen is named subsp. *atlasica* n[ova] subsp. by Lindberg.

Identified as *Carex atlasica* (H.Lindb.) M.Ibn Tattou, *Bocconea* 8: 198 (1998); *C. ovalis* Gooden. var. *atlasica* (H.Lindb.) Borat. & Romo, *Candollea* 62(1): 74. (2007). Currently treated as synonym of *Carex leporina* L. *sensu stricto* (WCSP 2011).

***Carex limosa* L. f. *depauperata* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1849]: 227 (1944)

Lectotype (designated here): RUSSIA, Lapponia Imandrae, ad lac Umpjawr, in sphagneto aquoso una c. *C. limosa*-typica et *C. rariflora* (Wg.), July 1892, *A. Osw. Kihlman* [*Pl. Finland. Exs.* 1849] (H-765743!, isolectotype: H-765746!).

Protologue given on printed label (Lindberg 1944). The description, as *C. limosa* L. × *rariflora* (Wahlenb) Sm. without a binary name [= *C. × firmior* (Norman) Holmg., *Bot. Not.:* 227 (1929)], was given earlier by Lindberg (1940), which is effective, Art. 32.6. Ex. 8. (McNeill *et al.* 2006).

***Carex limosa* L. f. *longevaginata* H.Lindb. ex Hiitonen**, *Suom. Kasvio:* 161 (1933)

Lectotype (designated here): [RUSSIA], Lapponia Imandrae, Raitatuntureiden juurella, N-puolella, aavalla, 7 August 1901, *Walter M. Axelson & Väinö Kivilinna* (H-149981!).

Protologue locality is not given in Hiitonen (1933). On its label the cited specimen is named var. *longevaginata*! by Lindberg. This is *Carex limosa* L. *sensu stricto*.

[***Carex rostrata* Stokes × *C. vesicaria* L.] f. ***perrostrata* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 546]: 38 (1916b), *nom. illeg.***

According to Art. 24.1, this name is illegitimate: The name of an infraspecific taxon is a combination of the name of a species and an infraspecific epithet (McNeill *et al.* 2006).

***Catananche caerulea* L. f. *albiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 156 (1932)

Lectotype (designated here): MOROCCO, Atlas medius, Ras-el-Ma prope pag. Azrou, in Cedereto, c. 1600 m, 24 June 1926, *Harald Lindberg* 4297 (H-1449288!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, in cedereto, c. 1600 m. On the label the cited specimen is named f. *albiflora*! by Lindberg.

***Cedrus libanotica* Link subsp. *atlantica* (G.Manetti) Holmboe f. *glauca* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 6 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, in cedreto, c. 1600 m, 29 June 1926, *Harald Lindberg* 4450 (H-1504676!, isolectotype: H-1504672!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Azrou, Ras-el-Ma, c. 1600 m. The currently used species name is *Cedrus atlantica* (Endl.) G.Manetti ex Carrière.

***Cedrus libanotica* Link subsp. *atlantica* (G.Manetti) Holmboe f. *viridis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 6 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, in cedreto, c. 1600 m, 29 June 1926, *Harald Lindberg* 4450 (H-1504676!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Azrou, Ras-el-Ma, c. 1600 m. The same collection number for f. *glauca* and f. *viridis* is perhaps a slip of the pen.

***Centaurea angusticeps* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 34, fig. 20 (1946)

Lectotype (Meikle 1985: 971; second-step lectotype designated here): CYPRUS, distr. Nicosia, in campo sterili sicco, 8 June 1939, *Harald Lindberg* (H-1446455!, isolectotypes: H-1446456!, K); lectoparatype: CYPRUS, distr. Famagusta. in campo inter Prastio et Kouklia, 26 June 1939, *Harald Lindberg* (H-1446458!). Protologue localities in Lindberg (1946): 1. [Cyprus], in campo sterili juxta opp. Nicosia; 2. [Cyprus], in campos sterili inter Prastio et Kouklia. On labels the cited specimens are named *C. angusticeps* n[ova] sp. by Lindberg.

The typification statement by Meikle (1985: 971) refers to two gatherings. The second-hand lectotype is designated under Art. 9.15 (McNeill *et al.* 2006).

Identified as *Calcitrapa angusticeps* (H.Lindb.) Holub, *Preslia* 45(2): 143 (1973), and *Centaurea calcitrapa* L. subsp. *angusticeps* (H.Lindb.) Meikle, *Fl. Cyprus*, 2: 971 (1985), the latter of which is in current use (Greuter 2006–2009).

***Centaurea angusticeps* H.Lindb. f. *albiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 34 (1946)

Lectotype (designated here): CYPRUS, distr. Larmaca, Pervolia, in cultis, 29 June 1939, *Harald Lindberg* (H-1446457!).

Protologue locality in Lindberg (1946): [Cyprus], Pervolia, in cultis. On the label the cited specimen is named f. *albiflora*! by Lindberg.

***Centaurea iberica* Trev. f. *alba* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 34 (1946), *nom. nudum*

***Centaurea incana* Desf. var. *hookeriana* Ball f. *atropurpurea* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 156 (1932)

Lectotype (designated here): MOROCCO, Atlas medius, prope pag. Azrou, in decliv. lapidos. vallis Tioumliline, 27 June 1926, *Harald Lindberg* 4194 (H-1446953!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, in declivi saxoso in valle Tioumliline supra pagum Azrou, c. 1400 m. On its label the cited specimen is named f. *atropurpurea*! by Lindberg. The species name is a synonym of *Centaurea pubescens* Willd. (Valdés *et al.* 2002b, Greuter 2006–2009). Neither the variety or form have been recognised recently.

***Centaurea incana* Desf. var. *hookeriana* Ball f. *aurantiaca* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 156 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, in collibus siccis, 1300 m, 26 June 1926, *Harald Lindberg* 4123 (H-1446954!, isolectotype: H-1446955).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, in colle sicco juxta pagum Azrou, 1300 m.

On labels the cited specimens are named f. *aurantiaca* by Lindberg. This form has not been recognised recently.

***Centaurium candelabrum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 118, fig. 30a (1932)

Lectotype (designated here): MOROCCO, occ., prope opp. Mogador, in flu. Oued Ksob, 12 May 1926, *Harald Lindberg 2107* (H-1607331!, MPU-009610); lectoparatype: MOROCCO, occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, loco sterili, 17 May 1926, *Harald Lindberg 2599* (H-1607333!); MOROCCO, occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, in sterilibus, 17 May 1926, *Harald Lindberg 2291* (H-1607335!).

Protologue localities in Lindberg (1932): 1. M[orocco], Mogador, in ripa arenosa fluminis Oued Ksob; 2. [Morocco], Atlas major, in monte Djebel Amsitten, loco sterili juxta Tis Rarin. On labels the cited specimens are named *Centaurium candelabrum* n[ova] sp. by Lindberg, a synonym of *C. pulchellum* (Sw.) Druce subsp. *grandiflorum* (Batt.) Maire (Fennane *et al.* 2007: 341, Valdés *et al.* 2002a: 475, Marhold 2011d).

***Centaurium candelabrum* H.Lindb. f. *albiflorum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 118 (1932)

Lectotype (designated here): MOROCCO, Mogador, in ripa fluminis Oued Ksob, 1 ex., 12 May 1926, *Harald Lindberg 2106* (H-1607334!).

Protologue locality in Lindberg (1932): M[orocco], Mogador, in ripa arenosa fluminis Oued Ksob. On the label the cited specimen was tentatively named *Erythraea candelabrum* f. *albiflora*! by Lindberg.

Identified as *C. pulchellum* (Sw.) Hayek subsp. *grandiflorum* (Batt.) Maire f. *albiflorum* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 576 (1934).

***Centaurium laxiflorum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 118, fig. 31b (1932)

Lectotype (designated here): MOROCCO, opp. Fez, in prato ad viam ferr., 4 July 1926, *Harald Lindberg 4466* (H-1607515!, isolectotype: H-1607516!), lectoparatypes: MOROCCO, in convalle fl. Reraïa (Atlas major), in palude juxta flumen deversorium pr. pag. Asni, 1 June 1926, *Haral. Lindberg 3392* (H-1607511!); MOROCCO, Atlas major, in convalle fl. Reraïa, pr. pag. Asni, loco humido juxta flumen, infra deversorium, c. 1200 m, 30 May 1926, *Harald Lindberg 3117* (H-1607512!); MOROCCO, prope oppidum Marrakech, Aguedal, in margine fossae 465 m, 21 May 1926, *Harald Lindberg 3004* (H-1607514!, MPU-009609); MOROCCO, prope oppidum Marrakech, Guéliz, in margine fossae et in palmeto, 465 m, 23 May 1926, *Harald Lindberg 2956* (H-1607513!).

Protologue localities in Lindberg (1932): 1. M[orocco], Fez, in graminosis humidiusculis juxta stationem viae ferratae una cum *C. tenuifloro* crescens et facile in vivo distiguendum; 2. [Morocco], Marrakech, in horto Aguedal, in margine fossae et in palmeto Guéliz, in margine fossae; 3. [Morocco], Atlas major, in convalle fluminis Reraïa, in palude juxta flumen infra deversorium La bonne Auberge prope pagum Asni, un cum floribus albis, 1200 m. On labels the cited specimens are tentatively named as *Erythrea laxiflora* m[ihi] by Lindberg.

Identified as *C. pulchellum* (Sw.) Hayek subsp. *laxiflorum* (H. Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 576 (1934). Synonym of *C. pulchellum* (Swartz) Druce subsp. *tenuiflorum* (Hoffm. & Link) Maire (Fennane *et al.* 2007:339), or of *Centaurium tenuiflorum* (Hoffmanns. & Link) Fritsch (Marhold 2011d).

***Centaurium laxiflorum* H.Lindb. f. *album* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 118 (1932), as 'alba'

Lectotype (designated here): MOROCCO, Atlas major, fl. Reraïa, in palude juxta flumen pr. deversorium pr. pag. Asni, c. 1200 m, 1 June 1926, *Harald Lindberg 3393* (H-1607510!, isolectotype: H-1607517!).

Protologue locality in Lindberg (1932): [Morocco], Atlas major, in convalle fluminis Reraïa, in palude juxta flumen infra deversorium La bonne Auberge prope pagum Asni, un cum floribus roseis. On labels the cited specimens are tentatively named as *Erythraea laxiflora* f. *alba*! by Lindberg.

Identified as *C. pulchellum* subsp. *laxiflorum* (H.Lindb.) Maire f. *album* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 576 (1934).

***Centaurium suffruticosum* (Salzm.) H.Lindb. subsp. *apertum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 119, fig. 32b (1932) (**Fig. 6**)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, in valle Tioumliline, c. 1400 m, 27 June 1926, *Harald Lindberg 4197* (H-1403373!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, in valle Tioumliline supra pagum Azrou, c. 1400 m. On its label the cited specimen is named *C. suffruticosum* \*[subsp.] *apertum* m[ihi] by Lindberg.

Identified as *Centaurium umbellatum* subsp. *apertum* (H. Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc*: 577 (1934); *Centaurium erythraea* Rafn. subsp. *apertum* (H.Lindb.) Greuter, *Willdenowia* 11(2): 279. (1981), the latter of which is in current use (Fennane *et al.* 2007:339, Marhold 2011d).

***Centaurium tenuiflorum* (Hoffmansegg & Link) Fritsch f. *albiflorum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 120 (1932), as 'albiflora'

Lectotype (designated here): MOROCCO, opp. Fez, in prato ad viam ferr., 4 July 1926, *Harald Lindberg 4464* (H-1403414!).

Protologue locality in Lindberg (1932): M[orocco], Fez, una cum forma floribus roseis. On the label the cited specimen is named *Erythraea tenuiflora* f. *albiflora* m[ihi] by Lindberg.

Identified as *C. pulchellum* (Sw.) Hayek subsp. *tenuiflorum* (Hoffm. & Link) Maire f. *albiflorum* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 576 (1934).

***Cerastium triviale* f. *glandulosum* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 23: 9 (1898), as 'glandulosa', *nom. nudum*

***Cerintho lamprocarpa* Murb. f. *cattorensis* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 87 (1906f)

Lectotype (designated here): [CROATIA], Illyricum, Dalmatia, Cattaro [Kotor], in saxosis juxta oppidum et mare, 24 May 1905, *Harald Lindberg* (H-1406791!, isolectotype: H-1406790!).

Protologue locality in Lindberg (1906f): Dalm., Cattaro, in saxosis juxta oppidum et mare. On labels the cited specimens are named f. *cattorensis* m[ihi] by Lindberg. The species name is a synonym of *Cerintho minor* subsp. *cleiostoma* (Boiss. & Sprun.) Selvi & Cecchi (Valdés 2011). This form has not recently been recognised.

***Cerintho lamprocarpa* Murb. f. *verruculosa* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 87 (1906f)

Lectotype (designated here): [CROATIA], Illyricum, Dalmatia, Cattaro [Kotor], in saxosis juxta oppidum et mare, 24 May 1905, *Harald Lindberg* (H-1406793!, isolectotype: H-1406789!).

Protologue locality in Lindberg (1906f): Dalm., Cattaro, in saxosis juxta oppidum et mare. On its label the cited specimen is named f. *verruculosa* m[ihi] by Lindberg. This form has not recently been recognised.

***Chimaphila umbellata* (L.) DC. f. *albiflora* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 34: 157 (1908), *nom. nudum*

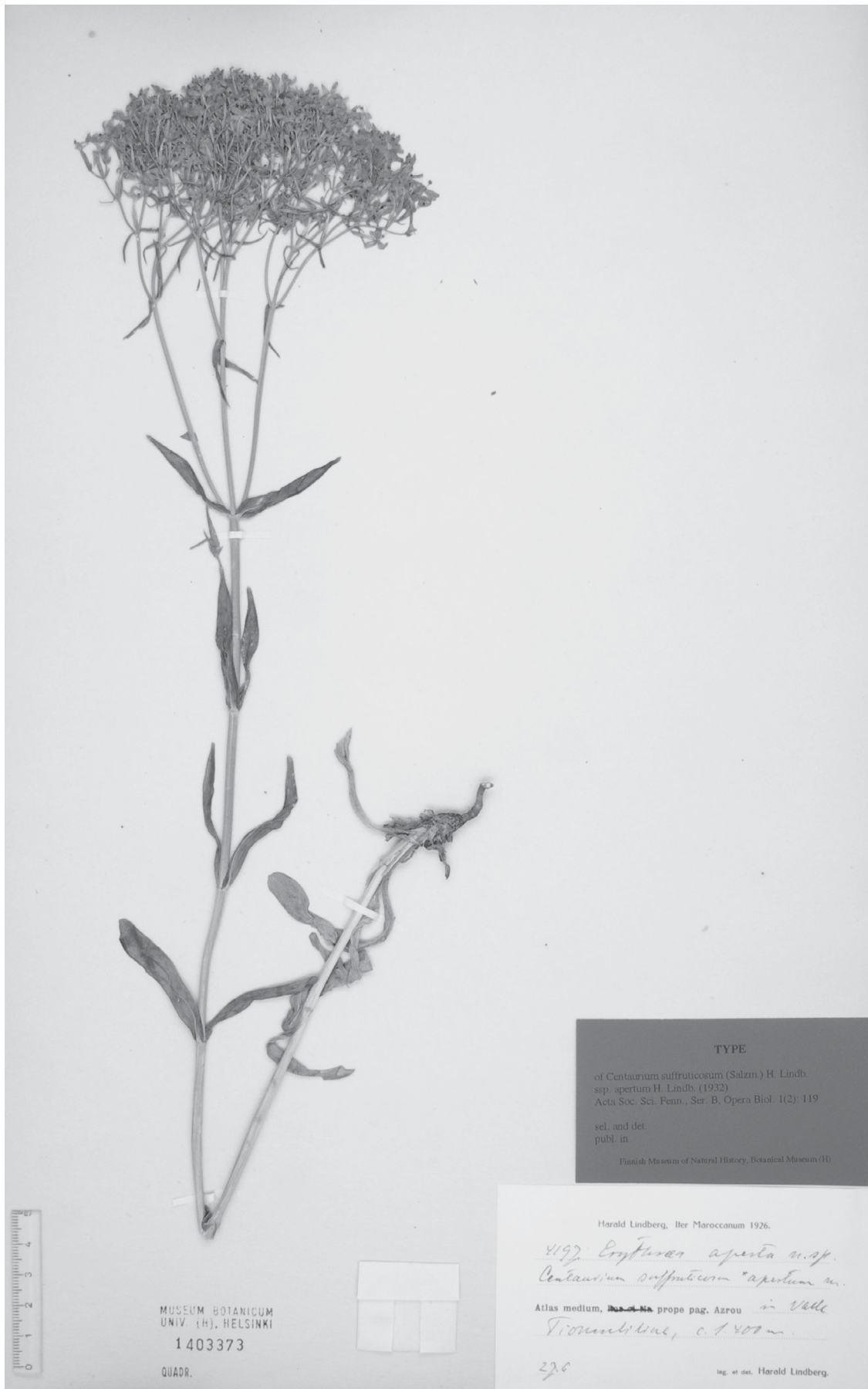


FIGURE 6. Lectotype of *Centaurium erythraea* subsp. *apertum* (Gentianaceae)

***Chimaphila umbellata* f. *albiflora* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 563 (1933)

Lectotype (designated here): FINLAND, Regio Aboënsis, Lojo [Lohja], Lylyis [Lylyinen], skogsmark [forest], 7 August 1907, *Edvard af Hällström* (H-303754!, isolectotype: H-303706!).

Protologue locality in Hiitonen (1933): [Finland], Ab [Regio aboënsis]. On labels the cited specimens are named var. *albiflora* by Edvard af Hällström. Lindberg (1908) wrote that f. *albiflora* has not been found before in Finland, referring to type specimens.

***Chlora perfoliata* L. var. *longidens* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 120 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, loco humido in Querceto ilici vallis Tioumliline, c. 1500 m, 23 June 1926, *Harald Lindberg* 4095 (H-1403449!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, loco humido in querceto (*Qu. ilex*) in valle Tioumliline supra pagum Azrou, c. 1500 m. On its label the cited specimen is named var. *longidens* m[ihi] by Lindberg.

Identified as *Blackstonia perfoliata* (L.) Huds. var. *longidens* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 578 (1934). *Blackstonia perfoliata* (L.) Huds. is in current use (Valdés *et al.* 2002a: 476). This variety has not been recently recognized.

***Chlora perfoliata* L. var. *longidens* H.Lindb. f. *ochroleuca* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 120 (1932)

Lectotype (designated here): MOROCCO, Atlas major, in convalle fl. Aït Messane, loco humidiusculo juxta fl., c. 1300 m, 5 June 1926, *Harald Lindberg* 3671 (H-1403448!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, loco humidiusculo juxta flumen, c. 1300 m. On the label the cited specimen is named f. *ochroleuca* m[ihi] by Lindberg.

Identified as *Blackstonia perfoliata* (L.) Huds. var. *longidens* (H.Lindb.) Maire f. *ochroleuca* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 578 (1934). This form has not recently been recognised.

***Chrysanthemum deserticola* (Murb.) Batt. & Trab. f. *breviligulata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 158 (1932)

Lectotype (designated here): [TUNISIA], Tunetia media, Deguech prope Tozeur, in arenosis siccis, 7 April 1924, *Harald Lindberg* (H-1648051!).

Protologue locality in Lindberg (1932): T[unisia], Tunetia media, Deguech prope Tozeur, in arenosis siccis, una cum typo. On its label the cited specimen is named f. *breviligulata*! by Lindberg. The species name is a synonym of *Chrysanthoglossum deserticola* (Murb.) B.H.Wilcox & *et al.* (Greuter 2006–2009). This form has not recently been recognised.

***Cirsium flavispina* Boiss. subsp. *perniveum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 158 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, in palude, 26 June 1926, *Harald Lindberg* 4213 (H-1445273!, isolectotypes: H-1445272!, H-1445274!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, in palude vallis Tioumliline supra pagum Azrou, 1500 m. On labels the cited specimens are named *C. flavispina* \*[subsp.] *perniveum* m[ihi] by Lindberg.

Identified as *C. flavispina* Boiss. var. *perniveum* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 800 (1934).

*Cirsium flavispina* is a synonym of *C. pyrenaicum* (Jacq.) All. (Valdés *et al.* 2002b, Greuter 2006–2009). The epithet *perniveum* has not recently been recognised.

***Cistus villosus* L. var. *dalmaticus* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 74 (1906f)

Lectotype (designated here): [CROATIA], Illyricum, Dalmatia, insula Meleda, in saxosis apricis inter Porto Soline et Pistet, 22 May 1905, *Harald Lindberg* (H-1381111!).

Protologue locality in Lindberg (1906f): Dalm., insula Meleda, in saxosis calc. apricis inter Porto Soline et Pistet. On the label the cited specimen is named var. *dalmaticus* m[ihi] by Lindberg. This variety has not recently been recognised.

***Convolvulus althaeoides* L. var. *hirsutus* Choisy f. *albiflorus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 121 (1932), as ‘albiflora’, *nom. nudum*

***Convolvulus cantabricus* L. f. *adpressepilosus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 121 (1932)

Lectotype (designated here): [ITALY], Sicilia, Bagheria pr. opp. Palermo, 27 April 1924, *Harald Lindberg* (H-1609601!).

Protologue locality in Lindberg (1932): S[icilia], Bagheria prope oppidum Palermo, in margine viae. On its label the cited specimen is named f. *adpresse-pilosus*! by Lindberg. This form has not recently been recognised.

***Convolvulus cantabricus* L. f. *hirsutus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 121 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, in Querceto ilicis vallis Tioumliline, c. 1400 m, 26 June 1926, *Harald Lindberg* 4134 (H-1609629!); lectoparatype: MOROCCO, Atlas medium, prope pag. Azrou, in Querceto ilicis vallis Tioumliline, c. 1400 m, 26 June 1926, *Harald Lindberg* 4138 H 1609630!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, in querceto (*Qu. ilex*) in valle Tioumliline supra pagum Azrou, c. 1400 m. On the label the cited specimen is named f. *hirsutus*! by Lindberg. This form has not recently been recognised.

***Coris monspeliensis* L. var. *maroccana* Murb. f. *denticulata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 116 (1932)

Lectotype (designated here): MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, in decliv. inter *Callitris*, 17 May 1926, *Harald Lindberg* 2560 (H-1604999!).

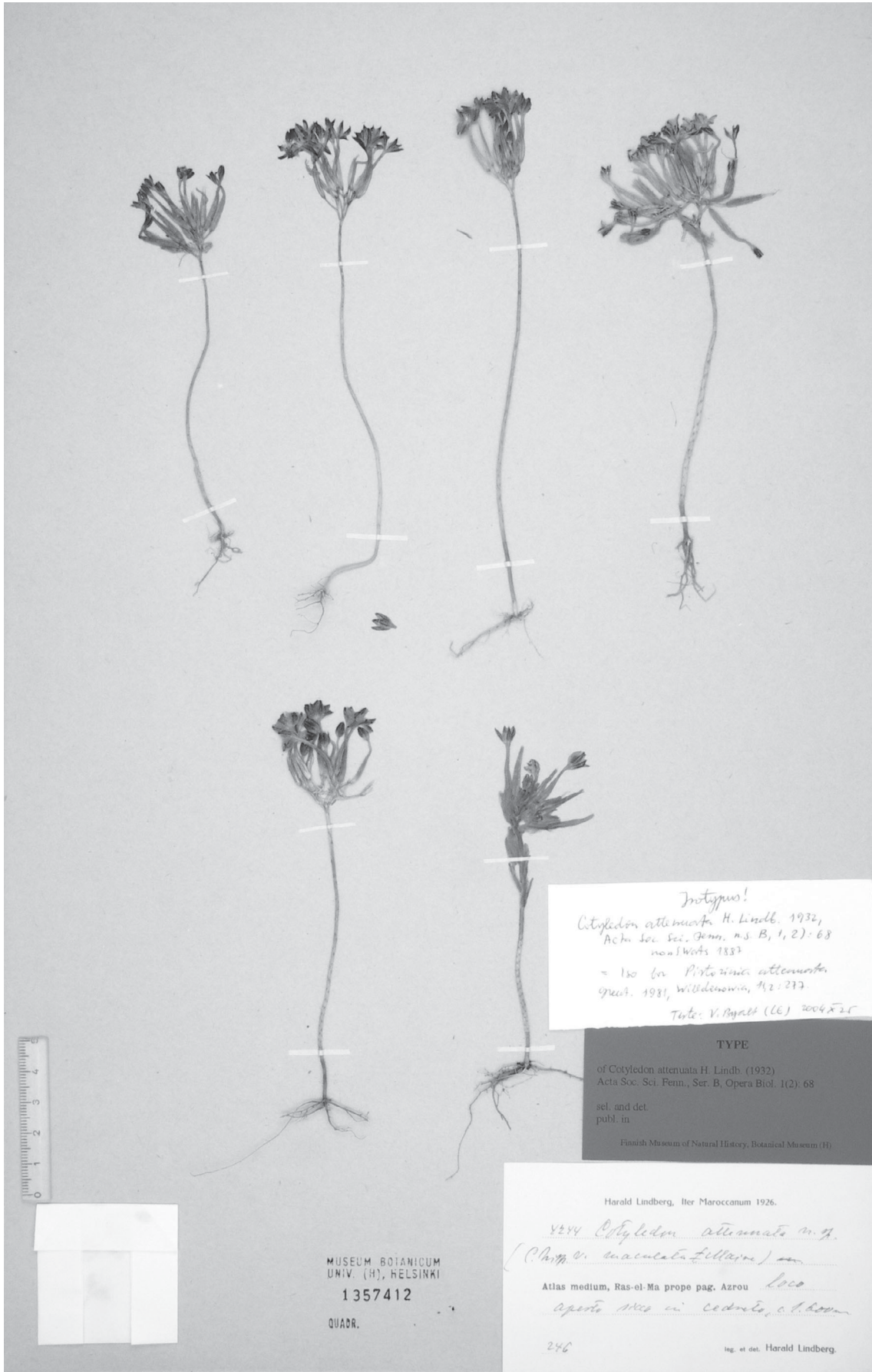
Protologue locality in Lindberg (1932): M[orocco], Atlas major, in monte Djebel Amsitten, indeclivibus siccis inter *Callitris* supra Tis Rarin. On its label the cited specimen is named f. *denticulata*! by Lindberg.

Variety *maroccana* Murb. is currently treated as *C. monspeliensis* subsp. *maroccana* (Murb.) Greuter & Burdet (Fennane *et al.* 1999: 457, Valdés *et al.* 2002a: 275!), or included in *Coris monspeliensis* L. *sensu stricto* (Marhold 2011f). The epithet *denticulata* has not recently been used.

***Coronaria flos-cuculi* (L.) Stokes f. *albiflora* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 617]: 57 (1916b), *nom. nudum*

***Corylus avellana* L. f. *monstrosa* H.Lindb.**, *Pl. Finland. Exs. Fasc.* 23 label no. 1123 (1933), *nom. nudum*





*Intygnus!*  
*Cotyledon attenuata* H. Lindb. 1932,  
 Acta Soc. Sci. Fenn. n.s. B, 1, 2: 68  
 non Werts 1887  
 = 180 for *Pteris sinica attenuata*  
 Griseb. 1931, Willdenowia, 14: 277.  
 Type: V. Rydell (66) 2004 25

**TYPE**  
 of *Cotyledon attenuata* H. Lindb. (1932)  
 Acta Soc. Sci. Fenn., Ser. B, Opera Biol. 1(2): 68  
 sel. and det.  
 publ. in  
 Finnish Museum of Natural History, Botanical Museum (H)

Harald Lindberg, Iter Maroccanum 1926.  
 4244 *Cotyledon attenuata* n. sp.  
 (*Pteris* or *Maculata* Lilljorh) var.  
 Atlas medium, Ras-el-Ma prope pag. Azrou loco  
 aperto siccis in cedricis, c. l. h. h. m.  
 246  
 leg. et det. Harald Lindberg.

MUSEUM BOTANICUM  
 UNIV. (H), HELSINKI  
 1357412  
 QUADR.

FIGURE 7. Lectotype of *Cotyledon attenuata* (Crassulaceae)

***Cotyledon attenuata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 68, fig. 21.3 (1932) (**Fig. 7**)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, loco aperto sicco in cedreto, c. 1600 m, 24 June 1926, *Harald Lindberg 4244* (H-1357412!, isolectotypes: H-1063277!, MPU-009614); lectoparatypes: MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, loco aperto sterile, in cedreto, c. 1600 m, 24 June 1926, *Harald Lindberg 4238* (H-1357413!), MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, loco sicco sterile, 1600 m, 24 June 1926, *Harald Lindberg 4234* (H-1357414!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, loco aperto sicco in cedreto frequens, c. 1600 m. On labels the cited specimens are named *C. attenuata* n[ova] sp. by Lindberg.

Identified as *Pistorinia attenuata* (H.Lindb.) Greuter subsp. *attenuata*, *Willdenowia* 11(2): 277 (1981), which is in current use (Fennane *et al.* 1999: 462, Valdés *et al.* 2002a: 281, Marhold 2011c).

***Cotyledon attenuata* H.Lindb. subsp. *mairei* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 69, fig. 21.4 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, loco sicco in valle Tioumliline, c. 1400 m, 23 June 1926, *Harald Lindberg 4098* (H-1357411!); lectoparatype: MOROCCO, Atlas medium, prope pag. Azrou, in rupe vallis Tioumliline, c. 1300 m, 23 June 1926, *Harald Lindberg 4231* (H-1063273!, MPU-009613).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, loco sicco in valle Tioumliline supra pagum Azrou, c. 1400 m. On labels the cited specimens are named *Cotyledon attenuata* n. sp. \*[subsp]. *mairei* m[ihi] by Lindberg.

Identified as *Pistorinia attenuata* (H.Lindb.) Greuter subsp. *mairei* (H.Lindb.) Greuter, *Willdenowia* 11(2): 277 (1981), which is in current use (Fennane *et al.* 1999: 462, Marhold 2011c).

***Cotyledon breviflora* (Boiss.) Maire f. *concolor* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 70, fig. 21.6 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, loco arenoso sicco, c. 1300 m, 26 June 1926, *Harald Lindberg 4124* (H-1357415!; isolectotype: H-1357418!); lectoparatype: MOROCCO, Atlas medium, prope pag. Azrou, in rupe vallis Tioumliline 23 June 1926, *Harald Lindberg 4077* (H-1357419!, MPU-010056).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas medius, loco arenoso sicco prope pagum Azrou, c. 1.300 m; 2. [Morocco, Atlas medius], in rupe sicca in valle Tioumliline supra pagum Azrou, c. 1400 m. On labels the cited specimens are named as f. *concolor*! by Lindberg. The species name is a synonym of *Pistorinia breviflora* Boiss. (Marhold 2011c). This form has not recently been recognised.

***Cotyledon breviflora* (Boiss.) Maire f. *maculigera* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 70 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, loco sicco, c. 1600 m, 24 June 1926, *Harald Lindberg 4232* (H-1357420!); lectoparatype: MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, loco sicco in Cedreto, c. 1600 m, 24 June 1926, *Harald Lindberg 4236* (H-1357421!).

Protologue locality in Lindberg (1932): M[orocco], Ras-el-Ma prope pagum Azrou, loco sicco in cedreto, c. 1.600 m. On labels the cited specimens are named as f. *maculigera*! by Lindberg. The species name is a synonym of *Pistorinia breviflora* Boiss. (Marhold 2011c). This form has not recently been recognised.

***Cotyledon salzmannii* (Boiss.) H.Lindb. f. *punctata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 70 (1932), as 'salzmanni'

Lectotype (designated here): MOROCCO bor., prope opp. Tanger, in m. Djebel Kebir, in rupe juxta mare, 15 July 1926, *Harald Lindberg 1567* (H-1357501!).

Protologue locality in Lindberg (1932): M[orocco], Tanger, in monte Djebel Kebir, in rupe juxta mare. On label the cited specimen is named as f. *punctata*! by Lindberg.

Identified as *Cotyledon brevifolia* (Boiss.) Maire f. *punctata* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 889 (1934). The species name is synonym of *Pistorinia breviflora* Boiss. (Marhold 2011c). This form has not recently been recognised.

***Cotyledon salzmannii* (Boiss.) H.Lindb. f. *purpureoapiculata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 70 (1932), as 'salzmanni'

Lectotype (designated here): MOROCCO bor., prope opp. Tanger, in m. Djebel Kebir, in rupe juxta mare, 15 July 1926, *Harald Lindberg 1568* (H-1357504!).

Protologue locality in Lindberg (1932): M[orocco], Tanger, in monte Djebel Kebir, in rupe juxta mare. On label the cited specimen is named as f. *purpureo-apiculata*! by Lindberg.

Identified as *Cotyledon brevifolia* (Boiss.) Maire f. *purpureoapiculata* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 889 (1934). Species name is synonym of *Pistorinia breviflora* Boiss. (Marhold 2011c). This form has not recently been recognised.

***Cotyledon salzmannii* (Boiss.) H.Lindb. f. *unicolor* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 70.(1932), as 'salzmanni'

Lectotype (designated here): MOROCCO bor., prope opp. Tanger, m. Djebel Kebir, in rupe juxta mare. 15 July 1926, *Harald Lindberg 1566* (H-1357505!; isolectotype: MPU-010062).

Protologue locality in Lindberg (1932): M[orocco], Tanger, in monte Djebel Kebir, in rupe juxta mare. On label the cited specimen is named as f. *unicolor*! by Lindberg.

Identified as *Cotyledon brevifolia* (Boiss.) Maire f. *unicolor* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 889 (1934). The species name is synonym of *Pistorinia breviflora* Boiss. (Marhold 2011c). This form has not recently been recognised.

***Crataegus calycina* Peterm. f. *aprica* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 31: 8 (1906a), *nom. nudum*

***Crataegus curvisepala* Lindm. f. *subpinnata* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 465 (1933)

Lectotype (designated here): [FINLAND], Al [Alandia], Hammarland, Äppelö, Västerhagarna, 8 July 1906, *HLg [Harald Lindberg]* (H-288182!, isolectotype: 288188!).

Protologue localities: [Finland], Al [Alandia], Ab [Regio aboensis] (Hiitonen 1933). The lectotype sheets are cross-labelled by nr. 1 and nr. 3. Sheet no. 2 is perhaps placed in some other herbarium. On label the cited specimen is named as f. *subpinnata*! by Lindberg.

*Crataegus curvisepala* Lindm. is a synonym of *C. rhipidophylla* Gand. (det. K. I. Christensen 1997, Kurtto 2009).

***Crepis neglecta* L. var. *majoriceps* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 117 (1906f), *nom. nudum*



FIGURE 8. Lectoparatype of *Cynoglossum troodi* (Boraginaceae)

***Crepis neglecta* L. var. *parvuliceps* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 117 (1906f)

Lectotype (designated here): [CROATIA], Illyricum, Dalm., Cattaro [Kotor], in declivibus saxosis, 24 May 1905, *Harald Lindberg* (H-1453665!).

Protologue localities in Lindberg (1906f): 1. [Croatia], Illyricum, Dalm., Cattaro, in declivibus saxosis, 2. Istria, in den Weingärten bei Pirano, Aug. 1899, V. Engelhardt (H); 3. Dalm., Tadero, 1842, com. Prof. Alschinger (herb. Pittoni, sub. n. Cr. neglecta L.); 4. Griechenland, prope Lebadiam Boeotiae, 15.5.187x, Th. G. Orphanides (Fl. Graeca exs., n. 1083).). On the label the cited specimen is named  $\alpha$  [var.]. *parvuliceps* m[ihi] by Lindberg. This variety has not recently been recognised.

***Cynoglossum troodi* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 27, fig. 19 (1946) (Fig. 8)

Lectotype (designated by Meikle 1985: 1126): CYPRUS, in monte Troodos, 18 June 1880, *Sintenis & Rigo* (LD, isolectotype: K); lectoparatypes: CYPRUS, m. Troodos, in pineto (*P. Pallasiana*) juxta “Olympus Camp Hotel”, 15 June 1939, *Harald Lindberg* (H-1611824!, H-1611825!, H-1611827!), CYPRUS, m. Troodos, in glareosis in decliv. m. Chionistra, 17 June 1939, *Harald Lindberg* (H-1611820!); CYPRUS, m. Troodos, in pineto “Olympus Camp Hotel”, 20 June 1939, *Harald Lindberg* (H-1611822!, H-1611828!); CYPRUS, m. Troodos, in ruderalis juxta “Olympus Camp Hotel”, 22 June 1939, *Harald Lindberg* (H-1611823!); CYPRUS, m. Troodos, in pineto (*P. Pallasiana*) juxta “Military Camp”, 20 June 1939, *Harald Lindberg* (H-1611826!). Protologue localities in Lindberg (1946): 1. [Cyprus], M. Troodos, in glareosis in declivi montis Chionistra; 2. [Cyprus], in pineto (*P. pallasiana*) et in ruderalis juxta “Olympus Camp Hotel” et in pineto juxta “Military Camp”; 3. [Cyprus], Chionistra, 28.5.1937, *E. W. Kennedy* n. 695 (LD); 4. [Cyprus], Kryos Potamos, 24 May 1937, *E. W. Kennedy* n. 394 (H); 5. Libano [Lebanon], *Labillardière* (H). On labels the cited specimens are named *Cynoglossum troodi* n[ova]. sp. by Lindberg. The specimen from Lebanon was once incorporated in the Herbarium von Steven, and thus collected before 1860. *Cynoglossum troodi* H.Lindb. is in current use (Meikle 1985, Valdés 2011).

***Cytisus diffusus* (Willd.) Vis. var. *adpressepilosus* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 49 (1906f)

Lectotype (designated here): MONTENEGRO, Illyricum, in saxosis juxta viam inter Krstac et Njeguši, ca. 970 m, 25 May 1905, *Harald Lindberg* (H-1279646!, isolectotype: H-1279645!).

Protologue locality in Lindberg (1906f): Monten., in saxosis juxta viam inter Krstac et Njeguši, ca. 970 m. On its label the cited specimen is named f. *adpressepilosus* m[ihi] by Lindberg.

Identified as *Corothamnus adpressepilosus* (H.Lindb.) Skalická, *Preslia* 39. 18 (1967). The types have been identified as *Cytisus pseudoprocumbens* Markrat (det. P. Alanko 1979).

***Cytisus visianii* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 51 (1906f), *nom. nudum*

***Delphinium pubescens* DC. f. *glandulosum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 53 (1932), as ‘glandulosa’, *nom. nudum*

***Dianthus superbus* L. f. *albiflora* H.Lindb.**, *Pl. Finland. Exs.* Fasc. 25 no. 1157 (1933), *nom. nudum*

***Digitalis ballii* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 137, fig. 38 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Aït Mesane, in decliv. lapid. inter Aguersioual et pagum Fimelil, c. 1650 m, 8 June 1926, *Harald Lindberg* 3700 (H-1626072!, isolectotypes: H-1626070!, H-1626073!); lectoparatype: MOROCCO, Atlas magn., in covalle fl. Aït Messane, in decliv. apric. juxta pag. Fimelil, c. 1750 m, 12 June 1926, *Harald Lindberg* 3879 (H-1626071!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Aït Mesane, in declivibus inter pagum Aguersioual et pagum Fimelil, c. 1650 m; 2. [Morocco, Atlas major], in declivibus juxta pagum Fimelil, c. 1750 m. On labels the cited specimens are named *Digitalis ballii* m[ihi] by Lindberg, a synonym of *D. lutea* L. subsp. *atlantica* (Ball) Maire (Jahandiez & Maire 1934: 688, Fennane *et al.* 2007: 543).

***Draba cinerea* Adams var. *ladogensis* H.Lindb., Meddel. Soc. Fauna Fl. Fenn. 42: 109 (1916a)**

Lectotype (designated here): [RUSSIA], Karelia ladogensis, Sortavala [Impilahti], insula Mäkisalo, in fissuris rupium montis Linnavuori, 18 June 1898, G. Lång (H-804244!, isolectotype H-804249!); lectoparatype: [Russia], Karelia ladogensis, [Impilahti], Mäkisalo, 14 June 1897, R. Wegelius (H-804234!).

Protologue localities in Lindberg (1916a): 1. *Plantae Finlandiae Exsiccatae* n. 244, [Russia], Karelia Ladogensis, Sortavala, Mäkisalo, 18 June 1898, G. Lång; 2. [Russia], Karelia Ladogensis, Sortavala, Mäkisalo, 14 June 1897, R. Wegelius; 3. [Russia], Karelia Ladogensis, Sortavala, Mäkisalo, 10 June 1901, A. L. Backman. On labels the cited specimens are named var. *ladogensis* m[ihi] by Lindberg.

***Echium micranthum* Schousb. var. *excortum* H.Lindb., Acta Soc. Sci. Fenn., Ser. B, Opera Biol. 1(2): 124 (1932)**

Lectotype (designated here): MOROCCO occ., Safi, Cap Safi, in sterilibus, 8 May 1926, *Harald Lindberg* 2876 (H-1406892!, isolectotype: H-1406894!); lectoparatypes: MOROCCO occ., Safi, Cap Safi, in sterilibus, 8 May 1926, *Harald Lindberg* 2870 (H-1406893!); MOROCCO occ., prope opp. Mogador, in arenosis juxta fl. Oued Ksob, 12 May 1926, *Harald Lindberg* 2102 (H-1406895!); MOROCCO occ., Safi, loc. aren. sicc., 7 May 1926, *Harald Lindberg* 1823 (H-1406891!) ; MOROCCO occ., prope opp. Mogador, in siccis 11 km ad O versus ab oppido, 13 May 1926, *Harald Lindberg* 2140 (H-1406888!).

Protologue localities in Lindberg (1932): 1. M[orocco], Safi, loco arenoso juxta oppidum; 2. [Morocco], Cap Safi prope oppidum Safi, in sterilibus; 3. [Morocco], Mogador, in arenosis juxta flumen Oued Ksob, una cum *α incluso*; 4. [Morocco], in arenosis siccis 11 km ad O. versus ab oppido Mogador, una cum *α incluso*. On the label the cited specimen is named f. *excortum*! by Lindberg. The currently used species name is *Echium tenue* Roth (Fennane *et al.* 2007:400, Valdés *et al.* 2002b: 501, 2011). This variety has not recently been recognised.

***Echium micranthum* Schousb. var. *inclusum* H.Lindb., Acta Soc. Sci. Fenn., Ser. B, Opera Biol. 1(2): 124 (1932)**

Lectotype (designated here): 1. MOROCCO occ., Casablanca, in litore arenoso, 6 May 1926, *Harald Lindberg* 1750 (H-1406897!); lectoparatypes: MOROCCO occ., Safi, loc. aren. sicc., 7 May 1926 *Harald Lindberg* 1823 (H-1406896!); MOROCCO occ., prope opp. Mogador, in siccis 11 km ad O versus ad oppido, 12 May 1926 *Harald Lindberg* 2140 (H-1406887!) ; MOROCCO occ., prope opp. Mogador, in arenosis, juxta fl. Oued Ksob, 12 May 1926, *Harald Lindberg* 2102 (H-1406885!); MOROCCO occ., prope opp. Mogador, in arenosis, 10 May 1926, *Harald Lindberg* 1955 (H-1406886!, MPU-009607)

Protologue localities in Lindberg (1932): 1. M[orocco], Casablanca, in litore arenoso; 2. [Morocco], Safi, loco arenoso juxta oppidum et in arenosis juxta flumen Oued Ksob; 3. [Morocco], In arenosis siccis 11 km ad versus ab oppido Mogador. This variety has not recently been recognised.

***Echium plantagineum* L. f. *roseum* H.Lindb., Acta Soc. Sci. Fenn., Ser. B, Opera Biol. 1(2): 124 (1932), as 'rosea'**

Lectotype (designated here): MOROCCO bor, prope opp. Tanger, Los Olivados, loc. inculto, 29 April 1926, *Harald Lindberg* 1511 (H-1615602!).

Protologue locality in Lindberg (1932): M[orocco], Los Olivados prope oppidum Tanger, loco inculto, specimen unicum una cum forma coeruleiflora. On its label the cited specimen is named f. *rosea*! by Lindberg.

***Echium versicolor* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 125, fig. 33a (1932)

Lectotype (designated here): MOROCCO, Atlas magnum, in convalle fl. Imminen, in campo sicco ad ostium fluminis, c. 1225 m, 29 May 1926, *Harald Lindberg 3089* (H-1406937!, isolectotypes: H-1406938!, MPU-000608); lectoparatypes: MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, in decliv. sicc., lapid. calc. pr. pag. Tinitine, 1300m, 3 June 1926, *Harald Lindberg 3501* (H-1406936!); MOROCCO, Atlas magnum, in convalle fl. Imminen, loc. sicc. prope flumen, c. 1300 m, 31 May 1926, *Harald Lindberg 3189* (H-1406935!). Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Imminen, in campo sicco ad ostium fluminis, c. 1225 m; 2. [Morocco], in convalle fluminis Aït Messane, in declivo sicco, lapidoso prope pagum Tinitine, 1300m. On its label the cited specimen is named *Echium versicolor* n[ova] sp. by Lindberg.

Identified as *Echium mentagense* Maire var. *versicolor* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 609 (1934); *Echium velutinum* subsp. *versicolor* (H.Lindb.) Sauvage & Vindt, in *Trav. Inst. Sci. Chérifien, Sér. Bot.* 3: 179 (1954), the latter of which is in current use (Valdés 2011).

***Edraianthus kitaibelii* A. DC. f. *grandis* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 105 (1906f), as ‘Hedraeanthus’

Lectotype (designated here): [BOSNIA AND HERZEGOVINA], Illyricum, Bosnia, Mostar, in valle Vrbas, in rupe inter Jajce et Bočac, 6 June 1905, *Harald Lindberg* (H-1430835!).

Protologue locality in Lindberg (1906f): Bosn., in valle fluminis Vrbas, in rupe inter Jajce et Bočac. On its label the cited specimen is named f. *grandis*! by Lindberg. The species name is synonymous to *Edraianthus graminifolius* (L.) A.DC. (Castroviejo *et al.* 2010). This form has not recently been recognised.

***Epilobium angustifolium* L. f. *roseum* H.Lindb. in Hjelt**, *Acta Soc. Fauna Fl. Fenn.* 35: 329 (1911), as ‘rosea’

Lectotype (designated here): [FINLAND], Sb [Savonia borealis], Jorois [Joroinen], Järvikylä, Rantahovi, ad marg. fossae, 18 August 1902, *HLg [Harald Lindberg]* (H-386295!); lectoparatypes: [FINLAND], Sb [Savonia borealis], Jorois [Joroinen], Järvikylä, Rantahovi, inter. f. vulgar., 20 August 1902, *HLg [Harald Lindberg]* (H-386298!); [FINLAND], Sb [Savonia borealis], Maaninka, Hyttilänkylä, Mömmölänsaari, 1902, *O. Kyyhkynen* (H-386299!).

Protologue localities in Hjelt (1911): 1. [Finland], Sb [Savonia borealis], Jorois, Järvikylä, Rantahovi, 2. Maaninka, Hyttilänkylä, Mömmölänsaari. On labels the cited specimens are named f. *rosea* and f. *fl. pallide roseis* by Lindberg. *Epilobium angustifolium* L. f. *roseum* H.Lindb. was overlooked by Hidén (1925: 213) who tried to validate f. *rosea* Lindb. fil. (*nom. nudum*).

***Epilobium palustre* L. f. *albiflorum* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 2025]: 267 (1944), *nom. nudum*

***Epipactis troodi* H.Lindb.**, *Årsbok-Vuosik. Soc. Sci. Fenn.* 20 B(7): 5 (1942) (**Fig. 9**)

Lectotype (Meikle 1985: 1499; second-step lectotype designated here): CYPRUS, m. Troodos, Platania, in margine silvae juxta viam publicam, 18 June 1939, *Harald Lindberg* (H-1107637!, isolectotypes: H-1107647!, K).

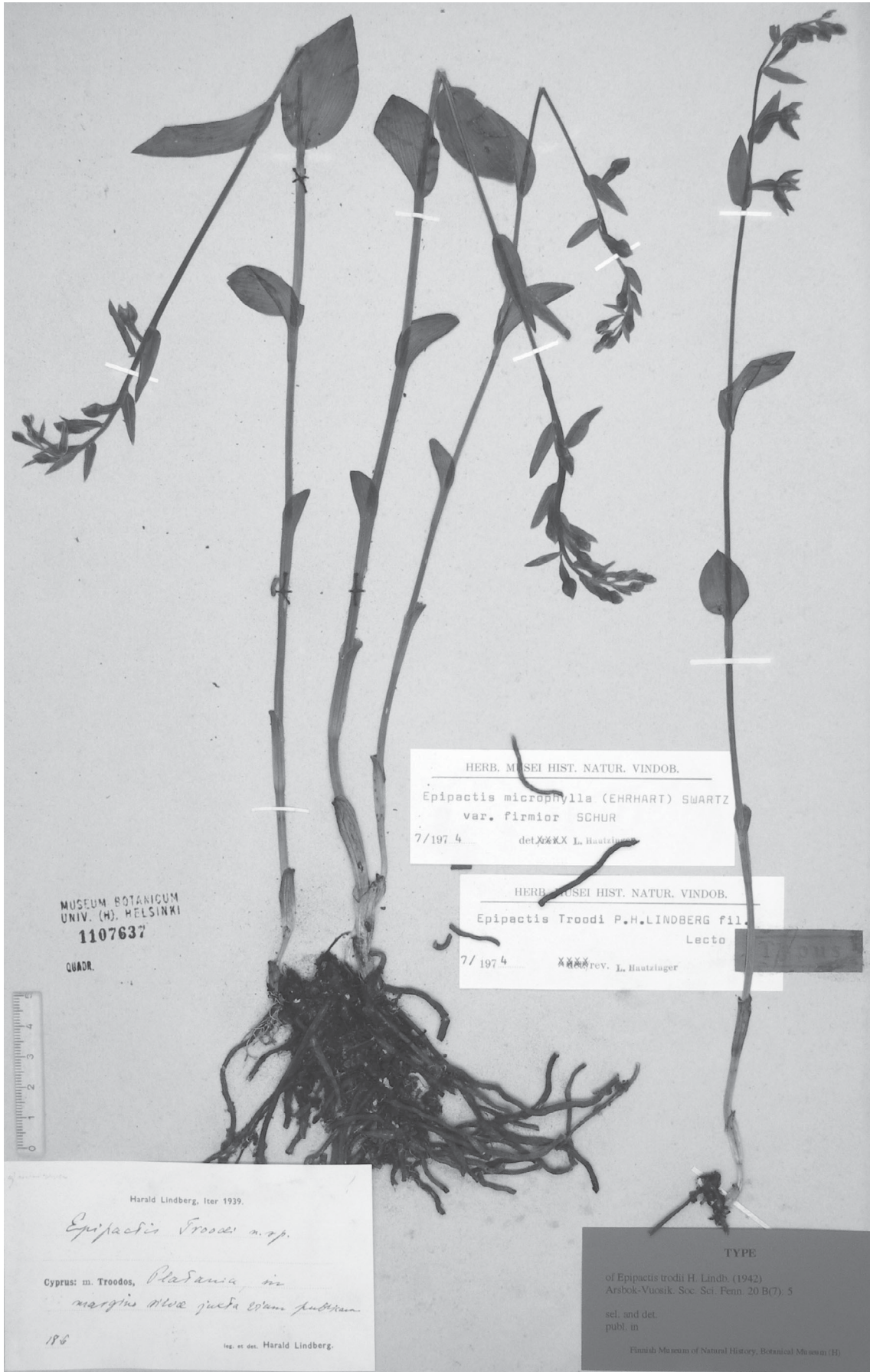


FIGURE 9. Lectotype of *Epipactis troodi* (Orchidaceae)



Protologue locality in Lindberg (1942): [Cyprus], M. Troodos, Platania, silva. On labels the cited specimens are named *Epipactis troodi* n[ova] sp. by Lindberg.

The typification statement by Meikle (1985: 1499) refers to two gatherings. The second-hand lectotype is designated under Art. 9.15 (McNeill *et al.* 2006).

Identified as *Epipactis helleborine* (L.) Crantz subsp. *troodi* (H.Lindb.) H.Sund., *Europ. Medit. Orchid.*, ed. 3: 41 (1980) 'troodii'. L. Hautzinger (W) has determined the types at H in 1974 as *Epipactis microphylla* (Erhr.) Sw. var. *firmior* Schur. A figure was published in Lindberg (1946, fig. 6). *Epipactis troodi* H.Lindb. is in current use (WCSP 2011).

***Erigeron brachycephalus* H.Lindb.**, *Memoranda Soc. Fauna Fl. Fenn.* 14: 127. (1938), *nom. nudum*

***Erigeron brachycephalus* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1372]: 88 (1944), as 'brachycephalum'

Lectotype (designated here): [RUSSIA], Isthmus Karelicus, par Metsäpirtti, Taipale, in campo sicco una cum *E. acris* (n.1371) crescens, 26 June 1934, [*Pl. Finland. Exs.* 1372] *Harald Lindberg* (H-340008!).

Protologue given on printed label (Lindberg 1944).

Identified as *Erigeron acris* L. subsp. *brachycephalus* (H.Lindb.) Hiitonen, in Ahti & Hämet-Ahti, *Ann. Bot. Fenn.* 8: 78 (1971), which is in current use (Hämet-Ahti *et al.* 1998, Greuter 2006–2009).

***Erigeron brachycephalum* H.Lindb. f. *pilosior* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1374]: 89 (1944), *nom. nudum*

***Erigeron decoloratus* H.Lindb.**, *Memoranda Soc. Fauna Fl. Fenn.* 14: 127 (1938), *nom. nudum*

***Erigeron decoloratus* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1376]: 89 (1944), as 'decoloratum'

Lectotype (designated here): [RUSSIA], Kuusamo, par. Kuusamo, Paanajärvi, Ruskeakallio, in declivibus lapidosis apricis, una cum *E. politico* Fr. crescens, 14 July 1936, *Harald Lindberg* [*Pl. Finland. Exs.* 1376] (H-340133!).

Protologue given on printed label (Lindberg 1944).

Identified as *E. acris* L. subsp. *decoloratus* (H.Lindb.) Hiitonen, in Ahti & Hämet-Ahti, *Ann. Bot. Fenn.* 8: 77 (1971), which is in current use (Hämet-Ahti *et al.* 1998).

***Eriophorum chamissonis* C.A. Mey. var. *subalbidum* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 501]: 26 (1916b)

Lectotype (designated here): FINLAND, Lapponis Kemensis, par. Muonio, in margine fossae iuxta templum, 14 July 1913, *U. Segerman* [*Pl. Finland. Exs.* 501] (H-513428!, isolectotypes: H-171281!, H-492946!, H-495230!, H-513354!, H-513358!, H-513433!).

Protologue given on printed label (Lindberg 1916b).

Identified as *Eriophorum russeolum* Fr. ex Hartm. f. *subalbidum* (H.Lindb.) Blomgr., in Holmberg, *Skand. Fl.* 2: 294 (1926). Synonym of *E. chamissonis* C.A.Mey. (WCSP 2011).

***Eriophorum intercedens* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 1–8 [no. 99a]: 32 (1906g), *nom. superfl.* for *E. rufescens* Andersson, *Bot. Not.* 1857: 79 (1857)

Synonym of *E. × medium* Andersson, *Bot. Not.* 1857: 62 (1857), viz. *E. chamissonis* × *scheuchzeri*.

***Erucastrum elatum* (Ball) O.E.Schulz var. *rerayense* (Ball) O.E. Schulz f. *patulum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 61 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fluminis Aït Messane, in saxosis calc. aridis pr. pag. Tinitine, 1400 m, 9 June 1926, *Harald Lindberg 3510* (H-1510956!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, in saxosis calcareis aridis prope pagum Tinitine, 1400 m. On its label the cited specimen is named f. *patulum* n[ova] forma by Lindberg. Variety *rerayense* is synonym of *Erucastrum elatum* (Ball) O.E.Schulz (Marhold 2011a). The epithet *patulum* has not recently been recognised.

***Erysimum cheiranthoides* L. f. *brachysiliquum* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1955]: 252 (1944), as ‘brachysiliqua’, *nom. nudum*

***Erythraea spicata* (L.) Pers. f. *albiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 27 (1946), *nom. nudum*

***Euphorbia epithymoides* L. var. *glaberrima* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 69 (1906f)

Lectotype (designated here): [ITALY], Illyricum, Istria, Karst inter Divača et st. Canzian, 10 May 1905, *Harald Lindberg* (H-1297136!, isolectotype: H-1296800!).

Protologue locality in Lindberg (1906f): Austr. litor., in saxosis calc. inter Divača et st. Canzian. On labels the cited specimens are named *Euphorbia fragifera* Jan. f. *glaberrima* m[ichi] by Lindberg. This variety has not recently been recognised.

***Euphorbia helioscopia* L. f. *purpureomaculata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 97 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Cádiz, Algeciras, in margine viae juxta oppidum, 16 April 1926, *Harald Lindberg 564* (H-1297243!).

Protologue locality in Lindberg (1932): H [Spain], Algeciras, in margine viae juxta oppidum, una cum typo crescens. On the label the cited specimen is named f. *purpureo-maculata!* by Lindberg. This form has not recently been recognised.

***Euphorbia inconspicua* Ball. f. *elongata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 97 (1932)

Lectotype (designated here): MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, in rup. calc. pr. Tis Rarin, 17 May 1926, *Harald Lindberg 2342* (H-1297357!); lectoparatypes: MOROCCO, Atlas magnum, in convalle fluminis Aït Messane, in lapid. calc. sicc. in decliv. aridissimi. pr. pag. Tinitine, c. 1400 m, 3 June 1926, *Harald Lindberg 3517* (H-129352!); MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, rup. calc., 17 May 1926, *Harald Lindberg 2436* (H-1297351!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in monte Djebel Amsitten, in rupe calcarea prope Tis rarin, preissime inter f. *subrotundam*; 2. M[orocco], in convalle fluminis Aït Messane, in lapidosis calcareis siccis in declivi aridissimo prope pagum Tinitine, c. 1400 m. On labels the cited specimens are named f. *elongata!* by Lindberg. The species name is synonym of *E. dracunculoides* Lam. subsp. *inconspicua* (Ball) Maire (Benedé *et al.* 1997: 364, Fennane *et al.* 1999:230, WCSP 2011). This form has not recently been recognised.

***Euphorbia inconspicua* Ball. f. *subrotunda* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 97 (1932)

Lectotype (designated here): MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, loco sterili, 17 May 1926, *Harald Lindberg* 2143 (H-1297356!); lectoparatypes: MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, loco sterili, 17 May 1926, *Harald Lindberg* 2540 (H-1297355!), MOROCCO, Atlas magnum, in monte Djebel Amsitten, loco subumbroso pr. Tis Rarin, 17 May 1926, *Harald Lindberg* 2228 (H-1297354!); MOROCCO, Atlas magnum, in monte Djebel Amsitten, rup. calc. subumbroso pr. Tis Rarin, 17 May 1926, *Harald Lindberg* 2521 (H-1297353!, H1297358!, H1298811!); MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, rup. calc., 17 May 1926, *Harald Lindberg* 2380 (H-1297350!); MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, rup. calc., 16 May 1926, *Harald Lindberg* 2181 (H-1297349!); MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, rup. calc., 17 May 1926, *Harald Lindberg* 2437 (H-1297348!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in monte Djebel Amsitten locis sterilibus, in rupibus calcareis siccis; 2. M[orocco], Atlas major, in rupibus calcareis subumbrosis prope Tis Rarin. On labels the cited specimens are named f. *subrotunda*! by Lindberg. This form has not recently been recognised.

***Euphorbia nicaeensis* All. var. *parcepilosa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 98 (1932), *nom. nudum*

***Euphorbia pseudodendroides* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 98, fig. 25 (1932)

Lectotype (designated here): MOROCCO occ., Safi, Cap Safi, in glareosis maritimis, aridissimis, 8 May 1926, *Harald Lindberg* 1905 (H-1298305!).

Protologue locality in Lindberg (1932): M[orocco], Cap Safi prope oppidum Safi, in glareosis aridissimis infra montem abruptum juxta mare, frequens. On its label the cited specimen is named *E. pseudodendroides* by Lindberg.

Identified as *Euphorbia obtusifolia* subsp. *regis-jubae* (J.Gay) Maire var. *pseudodendroides* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 898 (1934); *E. lamarckii* Sweet var. *pseudodendroides* (H.Lindb.) Oudejans, *World cat. of sp. names publ. in tribe Euphorbieae (Euphorbiac.) with geogr. distrib., Cum. supp.* 1: 12 (1993); *Tirucalia virgata* (Haw.) P.May Heath var. *pseudodendroides* (H.Lindb.) P.May Heath, *Calyx* 5(3): 94 (1996). Currently considered as a synonym of *Euphorbia regis-jubae* J.Gay (WCSP 2011).

***Euphrasia brevipila* Burnat & Gremler var. *eglandulosa* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 25: 34 (1900b), *nom. nudum*

***Euphrasia brevipila* Burnat & Gremler var. *vel. f. eglandulosa* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 26: 46 (1900c)

Lectotype (designated here): [RUSSIA], Karelia australis, Koivisto, kivikolla [amongst stones], 30 July 1898, *Järvi & Silfvenius* (H-705459!).

Protologue locality in Lindberg (1900c): [Russia], Karelska näset [Isthmus Karelicus], 1898, *Järvi & Silfvenius*. On label the cited specimen is named var. *eglandulosa* by Lindberg.

This is a new typification for this taxon, see comment in *E. brevipila* f. *subeglandulosa*. In the protologue the name was not given unambiguous rank. Lindberg (1901: 52) himself made the needed choice, viz. f. *eglandulosa*.

Identified as *Euphrasia officinalis* L. \*[subsp.] *brevipila* (Burnat & Gremler) Cajander f. *eglandulosa* (H.Lindb.) Cajander, *Melan Suom. Kasvio*: 516 (1906); *E. brevipila* Burnat & Gremler f. *eglandulosa* (H.Lindb.) H.Lindb., *Sched. Pl. Finland. Exs. Fasc.* 21–42: 76 (1944). *Euphrasia brevipila* Burnat & Gremler is synonym of *E. stricta* D.Wolff ex J.F.Lehm. This form has not recently been recognised.

***Euphrasia brevipila* Burnat & Greml. f. *subglandulosa* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 26: 46 (1900c)

Lectotype (designated here): [RUSSIA], Karelia australis. p[ar.] Johannes, lähellä Pienjärveä [close to lake Pienjärvi], 19 August 1898, *Järvi & Silfvenius* (H-705460!).

Protologue locality in Lindberg (1900c): [Finland, now Russia], Karelska näset [Isthmus karelicus], 1898, *Järvi & Silfvenius*. On the label the cited specimen is named f. *subglandulosa* by Lindberg.

Jalas & Kukkonen (1973:30) designated this specimen as a lectotype for *E. brevipila* f. *eglandulosa* H.Lindb. They overlooked that H. Lindberg described simultaneously both f. *eglandulosa* and f. *subglandulosa*.

Identified as *Euphrasia officinalis* L. \*[subsp.] *brevipila* (Burnat & Greml.) Cajander f. *subglandulosa* (H.Lindb.) Cajander, *Melan Suom. Kasvio*: 516 (1906). Synonym of *E. stricta* D.Wolff ex J.F.Lehm. This form has not recently been recognised.

***Euphrasia brevipila* Burnat & Greml. f. *glandulosa* H.Lindb. ex Hagfors**, *Luettelo Suom. Putkilokasveista*: 102 (1924), *nom. nudum*

***Euphrasia brevipila* Burnat & Greml. f. *glandulosa* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1316–9]: 75 (1944), *nom. nudum*

Lindberg (1944) gave descriptive words for exsiccatae numbers 1316, 1317, 1318 and 1319 concerning *Euphrasia brevipila* Burnat & Greml. f. *glandulosa*. These are characters how specimens differ from each other, not intended as taxa.

***Euphrasia fennica* Kihlman var. *brevidens* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 25: 34 (1900b), *nom. nudum*

***Euphrasia fennica* Kihlman β [var.] *brevidens* H.Lindb.**, *Enum. Pl. Fennoscandia*: 52 (1901), *nom. nudum*

***Euphrasia officinalis* L. \*[subsp.] *hirtella* (Jordan) Cajander f. *brevidens* H.Lindb. ex Cajander**, *Melan Suom. Kasvio*: 515 (1906)

Lectotype (designated by Jalas & Kukkonen 1973: 29): FINLAND [now RUSSIA], Ik [Isthmus karelicus], Kivinebb [Kivennapa], Linnanmäki, in prato humidiusculo, 19 August 1897, *Harald Lindberg* (H-199934!, isolectotype: H-199935!).

Protologue locality in Hiitonen (1933): [Russia], Ik [Isthmus karelicus]. This refers to Lindberg (1900b: 34), på en äng i Kivinebb på Isthm. car., [a small meadow at Kivennapa, Isthmus karelicus].

Identified as *E. fennica* Kihlm. f. *brevidens* (H.Lindb.) Hagfors, *Luettelo Suom. Putkilokasveista*: 102 (1924). A synonym of *E. rostkoviana* Hayne subsp. *rostkoviana* (Jalas & Kukkonen 1973, Karlsson 1982). This form has not recently been recognised.

***Euphrasia hirtella* Jord. var. *fennica* (Kihlman) H.Lindb. f. *macrantha* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 932]: 140 (1916b)

Lectotype (designated by Jalas & Kukkonen 1973: 37): FINLAND, Regio Aboënsis, par. Vihti, Sandbacka, in alneto, VIII.1903, *J. A. Wecksell* [*Pl. Finland. Exs.* 932] (H-200772!, isolectotypes: H-200773!, H-200774!).

Protologue given on printed label (Lindberg 1916b). Synonym of *E. rostkoviana* Hayne subsp. *fennica* (Kihlman) Karlsson (Karlsson 1982). This form has not recently been recognised.

***Euphrasia frigida* Pugsley f. *subglabra* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1328]: 78 (1944), *nom. nudum*

***Filago germanica* L. subsp. *spathulata* (Presl) W.R. Hayw. f. *purpurascens* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 161 (1932)

Lectotype (designated here): MOROCCO bor, prope opp. Tanger, Los Olivados, loco arenosis siccis, 29 April 1926, *Harald Lindberg 1476* (H-1643450!).

Protologue locality in Lindberg (1932): M[orocco], Tanger, Los Olivados, loco arenoso sicco. On the label the cited specimen is named *Filago spathulata* Presl. f. *purpurascens*! by Lindberg. This subspecies is synonym of *F. micropodioides* Lange (Valdés *et al.* 2002b: 642), or of *Filago pyramidata* L. (Greuter 2006–2009). This form has not recently been recognised.

***Fumaria vaillantii* Loisel. f. *longibracteata* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 34 (1906f)

Lectotype (designated here): [ITALY], Illyricum, Istria, Triest, St. Canzian, 10 May 1905, *Harald Lindberg* (H-1358602!).

Protologue locality in Lindberg (1906f): Austr. litor., St. Canzian, in cultis. On its label the cited specimen is named f. *bracteus multo longiorico* by Lindberg. This form has not recently been recognised.

***Galeopsis bifida* Boenn. f. *floribus albis* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 898]: 131 (1916b). The words *floribus albis* are descriptive and do not form a valid epithet.

***Galeopsis bifida* Boenn. f. *floribus rubris* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 897]: 131 (1916b). The words *floribus rubris* are descriptive and do not form a valid epithet.

***Galeopsis speciosa* Mill. f. *alba* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 28: 38 (1902b)

Lectotype (designated here): FINLAND, Ta [Tavastia australis], Jaala, Ilonoja, åker, 8 August 1898, *F. W. Klingstedt* (H-016090!).

Protologue locality in Lindberg (1902b): Finland, Ta [Tavastia australis], Jaala, Ilonoja, 8 August 1898, *F. W. Klingstedt*. On label the cited specimen is named *Galeopsis versicolor* L. var. *albiflora* by *F. W. Klingstedt*.

***Galeopsis speciosa* f. *purpurea* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 28: 38 (1902b)

Lectotype (designated here): [FINLAND], Kb [Karelia borealis], Juuka, Lonkkavaara, Hartola, in agro hordeo consito; specimina nonnulla cum typo, 3 August 1900, *Th. Saelan* (H-016033!, isolectotypes: H-0160032!, H-016034!), lectoparatype: [FINLAND], Kuopio, Vehmersalmi, 10 August 1888, *E. J. Buddén* (H-016095!).

Protologue localities in Lindberg (1902b): 1. Kb, Juuka, Lonkkavaara, Hartola, 3 August 1900, *Th. Saelan*; 2. Sb, Kuopio, Vehmersalmi, 10 August 1888, *E. J. Buddén*. In label these are named by Lindberg f. *purpurea* Sael., which is a *nom. nudum* [*Galeopsis versicolor* Curtis f. *purpurea* Sael., *Meddel. Soc. Fauna Fl. Fenn.* 27: 60 (1901)].

***Galeopsis tetrahit* L. f. *floribus albis* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 896]: 131 (1916b). The words *floribus albis* are descriptive and do not form a valid epithet.

***Galeopsis tetrahit* L. f. *floribus rubris* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 895]: 130 (1916b). The words *floribus rubris* are descriptive and do not form a valid epithet.

***Galium canum* Req. \*[subsp.] *hilarionis* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 32 (1946)**

Lectotype (designated here): CYPRUS, distr. Kyrenia, Ayios Hilarion, in fiss. rup. sicc., una c. *G. can.* var. *muscif.*, 7 June 1939, *Harald Lindberg* (H-1423930!, isolectotype: H-142935!).

Protologue locality in Lindberg (1946): [CYPRUS], Ayios Hilarion, in fissuris rupium siccissimis, parce una cum *G. cano* var. *muscifforme* crescens. On labels these specimen are named \*[subsp.] *hilarionis* n[ova] subsp. by Lindberg. This subspecies is synonym of *G. canum* subsp. *canum* (Meikle 1977: 781, WCSP 2011).

***Galium lucidum* All. f. *brachyphyllum* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 145 (1932)**

Lectotype (designated here): MOROCCO, Atlas magnum, in convalle fluminis Aït Messane, in rupe calcarea prope pagum Tinitine, c. 1400 m, 3 June 1926, *Harald Lindberg* 3564 (H-1424022!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, in rupe calcarea prope pagum Tinitine, c. 1400 m. On the label the cited specimen was tentatively named var. *brachyphyllum* n[ova]. var. by Lindberg.

Identified as *Galium mollugo* L. subsp. *gerardii* (Vill) Briq. f. *brachyphyllum* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 713 (1934). This form has not recently been recognised.

***Galium murale* (L.) All. var. *troodi* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 32 (1946)**

Lectotype (designated here): CYPRUS, m. Troodos, in rupe umbrosa humidiuscula juxta fontes “Kannoures Spring”, 22 June 1939, *Harald Lindberg* (H-1634878!).

Protologue locality in Lindberg (1946): [Cyprus], M. Troodos, in rupe umbrosa humidiuscula juxta fontes “Kannoures Spring”. On the label the cited specimen is named var. *troodi* n[ova] var. by Lindberg. Variety *troodi* is synonym of *G. murale* var. *murale* (Meikle 1977: 789).

***Galium murale* (L.) All. α [var.] *typicum* f. *laeve* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 145 (1932), as ‘laevis’**

Lectotype (designated here): MOROCCO occ., prope opp. Rabat, loc. aren. sicc., 3 May 1926, *Harald Lindberg* (H-1634883!); lectoparatypes: [ITALY], Sicilia, pr. S. Agata Battiati supra opp. Catania, 3 May 1924, *Harald Lindberg* (H-1634808!, H-1634867!); MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, loco sterili, 17 May 1926, *Harald Lindberg* (H-1634882!).

Protologue localities in Lindberg (1932): 1. S[icilia], S. Agata Battiati supra oppidum Catania, in muro; 2. M[orocco], Rabat, loco arenoso sicc.; 3. [Morocco], Atlas major, in monte Djebel Amsitten, loco sterili juxta Tis Rarin. On labels the cited specimens are named f. *laevis*! by Lindberg.

***Galium murale* (L.) All. f. *glabrum* H.Lindb., *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 102 (1906f), as ‘glabra’, *nom. nudum***

***Galium murale* (L.) All. f. *hispidulum* H.Lindb., *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 102 (1906)**

Lectotype (designated here): [CROATIA], Dalm[atia]., ins. Busi, in apricis, 19 May 1905, *Harald Lindberg* (H-163858!).

Protologue locality in Lindberg (1906f): Dalm., insulam Busi, in apricis. On the label the cited specimen is named f. *hispida* by Lindberg. This form has not recently been recognised.

***Galium ruthenicum* Willd. f. *piliferum* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 25: 28 (1900a), as 'pilifera'

Lectotype (designated here): FINLAND, Ab [Regio Aboënsis], par Lojo [Lohja], in prato culto prope "Bryggeriet" [brewery], 29 July 1888, *Harald Lindberg* (H-745252; isolectotype: H-745255!).

Protologue locality in Lindberg (1900a): [Finland], Lojo [Lohja], bryggeri [brewery], 29 July 1888, H. Lindberg. On labels the cited specimens are named f. *pilifera*! by Lindberg.

Identified as *G. verum* L. subsp. *ruthenicum* (Willd.) P. Fourn. f. *piliferum* (H.Lindb.) Cajander, in *Melan Suom. Kasvio*: 534 (1906). Type specimen belongs to the hybrid swarm *G.* × *pomeranicum* Retz, viz. *G. album* × *verum*.

***Galium ruthenicum* Willd. f. *setulosum* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 25: 28 (1900a), as 'setulosa'

Lectotype (designated here): FINLAND, Ab [Regio Aboënsis], par Lojo [Lohja], in prato culto prope "Bryggeriet" [brewery], 29 July 1888, *Harald Lindberg* (H-745253!, isolectotype: H-745254!); lectoparatype: [FINLAND, Karelia borealis], Libelits sn. [Liperi], på en äng vid Harjula, 15 July 1872, *M. A. Europæus & K. A. Hällström* (H-745227!).

Protologue locality in Lindberg (1900a): 1. [Finland], Lojo [Lohja], bryggeri [brewery], 29 July 1888, H. Lindberg (H); 2. [Finland], Libelits [Liperi], Harjula, äng [meadow], 15 July 1872, K. A. Hällström (H). The origin of the specimens was Russian hay seed. On labels the cited specimens are named f. *setulosa*! by Lindberg.

Identified as *Galium verum* L. subsp. *ruthenicum* (Willd.) P. Fourn. f. *setulosum* (H.Lindb.) Cajander, in *Melan Suom. Kasvio*: 534 (1906). *G. ruthenicum* Willd. is synonym of *G. verum* L. subsp. *verum* (WCSP 2011).

***Genista sylvestris* Scop. subsp. *dalmatica* (Bartl.) H.Lindb. var. *parcepilosa* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 49 (1906f)

Lectotype (designated here): [BOSNIA AND HERZEGOVINA], Illyricum, Hercegovina, Mostar, in rupestribus apricis, 29 May 1905, *Harald Lindberg* (H-1278469!).

Protologue locality in Lindberg (1906f): Herceg., Mostar, in rupestribus apricis ad oppidum. Lindberg (1906f) considered, that Dörfler in, Herb. Norm. n. 4.322, s. n. *G. Dalmatica* Bartl. represent this taxon. On its label the cited specimen is named var. *parcepilosa* m[ihi] by Lindberg. *Genista sylvestris* Scop. subsp. *dalmatica* (Bartl.) H.Lindb. is in current use (ILDIS 2010). Variety *parcepilosa* has not recently been recognised.

***Geranium robertianum* L. subsp. *purpureum* (Vill.) Murb. f. *subglandulosum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 94 (1932)

Lectotype (designated here): Hispania [SPAIN], Prov. Jaén, Santa Eléna, in dumetis in colle juxta pagum, 4 April 1926, *Harald Lindberg* 208 (H-1368525!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Morena, Santa Eléna, in dumetis in colle juxta pagum. On the label the cited specimen is named *G. purpureum* f. *subglandulosum* m[ihi] by Lindberg. The currently used species name is *Geranium purpureum* Vill. This form has not recently been recognised.

***Geum rivale* L. f. *simplicifolium* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 18: 190. (1891), as 'simplicifolia', *nom. nudum*

***Geum rivale* L. f. *simplicifolium* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 446 (1933)

Lectotype (designated here): FINLAND. Regio Aboënsis, Lojo [Lohja], Toivola, in prato humido prope pagum, 27 June 1889, *Harald Lindberg* (H-500710!).

Protologue locality in Hiitonen (1933): [Finland], Ab [Regio aboensis]. On its label the cited specimen is named f. *simplicifolium* m[ihi] by Lindberg. This form has not recently been recognised.

***Halimium atriplicifolium* (Lam.) Spach f. *immaculatum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 105 (1932), as 'immaculata'

Lectotype (designated here): Hispania [SPAIN], prov. Córdoba, in m. Sierra de Córdoba, in saxosis supra opp. Córdoba, 11 April 1926, *Harald Lindberg* 447 (H-1381171!, isolectotype: H-1381170!).

Protologue locality in Lindberg (1932): H [Spain], in monte Sierra de Córdoba, in saxosis supra oppidum Córdoba. On labels the cited specimens are named *Helianthemum atriplicifolium* Spach f. *immaculata*! by Lindberg. This form has not recently been recognised.

***Haynaldia breviaristata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 17, fig. 3 (1932)

Lectotype (designated by Fredriksen 1991: 140): MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, in decliv. calc. saxosis juxta flumen pr. pagum Anferkou, 1250 m, 5 June 1926, *Harald Lindberg* 3625 (H-1182571!; isolectotype: MPU-009621); lectoparatype: MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, in cedreto, c. 1600 m, 29 June 1926, *Harald Lindberg* 4407 (H-1182570!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Aït Messane, in declivi saxoso calcareo juxta flumen prope pagum Anferkou, 1250 m; 2. M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, in cedreto, c. 1600 m. On labels the cited specimens are named *Haynaldia breviaristata* n[ova] sp. by Lindberg.

Identified as *Dasypyrum breviaristatum* (H.Lindb.) S.Frederiksen, *Nordic J. Bot.* 11(2): 140 (1991), *nom. inval.*; *Haynaldia hordeacea* var. *breviaristata* (H.Lindb.) Maire, *Bull. Soc. Hist. Nat. Afrique N.* 25: 325 (1934); *Dasypyrum hordeaceum* var. *breviaristatum* (H.Lindb.) Maire & Weiller in Maire, *Fl. Afr. Nord* 3: 335 (1955). Synonyms of *Dasypyrum hordeaceum* P.Candargy (Valdés & Scholz 2009, WCSP 2011).

***Helianthemum clausonis* Pomel var. *safiense* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 105, fig. 27a (1932)

Lectotype (designated here): MOROCCO occ., Safi, Cap Safi, in saxosis aridiss., 8 May 1926, *Harald Lindberg* 1874 (H-138165!, isolectotype: MPU-009171).

Protologue locality in Lindberg (1932): M[orocco], Cap Safi prope oppidum Safi, in saxosis aridissimis. On labels the cited specimens are named var. *safiense* n[ova]. var. by Lindberg.

The specimen at MPU was identified by Maire 20.11.1938 as *Helianthemum canariensis* (Jacq.) Pers. This variety has not recently been recognised.

***Helianthemum glaucum* (Cav.) Boiss. var. *angustum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 105, fig. 21b (1932)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope Azrou, in campo sterili in marg. Cedreti, c. 1600 m, 24 June 1926, *Harald Lindberg* 4324 (H-1381432!, isolectotype: MPU-009179).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el-Ma prope Azrou, in campo sterili in margine cedreti, c. 1600 m. On labels the cited specimens are named var. *angusta* m[ihi] by Lindberg.

*Helianthemum glaucum* is synonym of *H. croceum* (Desf.) Pers. (Fennane *et al.* 1999: 319, Valdés *et al.*



2002a: 207). The specimen at MPU was identified by Maire on 20 November 1928 as *Helianthemum glaucum* (Cav.) Pers. var. *stenophyllum* Maire. Variety *angustum* H.Lindb. has not recently been recognised.

***Helianthemum rubellum* Presl var. *bicolor* Willk. f. *eglandulosum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 106 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope pagum Azrou, loco aperto in cedreto, c. 1600 m, 29 June 1926, *Harald Lindberg* 4430 (H-1381721!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Reraïa, in declivibus saxosis siccissimis contra deversorium La bonne Auberge prope pagum Asni, c. 1250 m; 2. M[orocco], Atlas major], in convalle fluminis Imminen, in rupibus calcareis apricis prope flumen, c. 1300 m; 3. M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, loco aperto in cedreto, c. 1600 m. On its label the cited specimen is named f. *eglandulsoum*! by Lindberg. *Helianthemum rubellum* is synonym of *Helianthemum cinereum* (Cav.) Pers. (Fennane *et al.* 1999: 323, Valdés *et al.* 2002a). This form has not recently been recognised.

***Heliotropium europaeum* L. var. *hebecarpum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 125 (1932)

Lectotype (designated here): MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, ad domos, 16 May 1926, *Harald Lindberg* 2420 (H-1535783!); lectoparatypes: MOROCCO occ., Casablanca, loc. arenoso, 6 May 1926, *Harald Lindberg* 1768 (H-1535762!); MOROCCO occ., Safi Cap Safi, in sterilibus, 8 May 1926, *Harald Lindberg* 1900 (H-1535784!); MOROCCO occ., prope oppidum Rabat, Kenitra, loc. aren. juxta viae ferr. 20 June 1926, *Harald Lindberg* 1740 (H-1535780!); MOROCCO, Atlas Magn., in convalle fl. Aït Messane, in marg. viae in pago Aguersioual, c. 1700 m, 12 June 1926, *Harald Lindberg* 3938 (H-1535781!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in monte Djebel Amsitten, Tis Rarin, ad domos; 2. [Morocco], Casablanca, loco arenoso sicco; 3. [Morocco], Cap Safi prope oppidum Safi, in sterilibus; 4. [Morocco], Kenitra prope oppidum Rabat, loco arenoso juxta viam ferratam; 5. M[orocco], in convalle fluminis Aït Messane, in margine viae in pago Aguersioual, c. 1700 m. On labels the cited specimens are named var. *hebecarpum*! by Lindberg. This variety has not recently been recognised.

***Helminthia aculeata* (Vahl) DC. var. *latisquamea* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 162 (1932)

Lectotype (designated here): MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, in decliv. inter *Callitris* pr. Tis Rarin, 17 May 1926, *Harald Lindberg* (H-1450743!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in monte Djebel Amsitten, in declivi inter *Callitris* in valle supra Tis Rarin. On its label the cited specimen is named *Picris aculeata* Vahl. \* *latisquamea* n[ova] var. by Lindberg.

Identified as *Picris aculeata* Vahl var. *latisquamea* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 837 (1934). This variety has not recently been recognised.

***Hippuris vulgaris* L. f. *litoralis* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 31: 109 (1906c)

Lectotype (designated here): FINLAND, N [Nylandia], Ekenäs [Tammisaari, today par. Raasepori], in ripa maris, 16 August 1887 HLg [*Harald Lindberg*] (H-157814!); lectoparatypes: 1. FINLAND, AI [Alandia], Finström, Bergö, in aqua subsalsa, Th. Saelan (not seen); 2. FINLAND, AI [Alandia], Eckerö, Kyrksundet, vid norra ändan af Öfverby ström, 8 July 1892, HLg [*Harald Lindberg*] (H-157781!); 4. FINLAND, Ingå

[Inkoo], Svartbäck, sumpig strand, 19 June 1903, V. Brenner (H-157807!); 22 July 1904, V. Brenner (H-157838!, H-157835!); 29 August 1904, V. Brenner (H-157837!, H-157836!); 27 August 1905, M. Brnner /H 157840!); **5.** FINLAND, [Nylandia], Helsingfors [Helsinki], Degerö [Laajasalo], Jollas, Bastuvik, 16 August 1904, Ingrid Fazer (H-157812); **6.** FINLAND, [Nylandia], Kyrkslätt [Kirkkonummi], Strömsby, Heikovik, hafsstrand vid bäckmynning, 30 June 1888, M. Brenner (H-157806!); **7.** FINLAND, St [Satakundae], Raumo [Rauma], 24 June 1859, [Th.] Simming (H-212483!); **8.** FINLAND, Om [Ostrobothnia media], Brahestad [Raahe], in fossa aquosa, 30 August 1888, E. W. Blom (H-157831!); **9.** [RUSSIA], Lim [Lapponia imandrensis], Mare Album, Umba, 6.VIII1861, G. Selin (H-157754!).

Protologue localities by H. Lindberg (1906c) are not repeated here. On labels the cited specimens are named f. *litoralis* m[ihi] by Lindberg. The currently used name is *H. × lanceolata* Retz.

***Hypericum perfoliatum* L. f. *breviciliatum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 102 (1932)

Lectotype (designated here): MOROCCO bor., prope opp. Tanger, Los Olivados in fruticeto, 29 April 1926, *Harald Lindberg 1503* (H-1379961!).

Protologue locality in Lindberg (1932): M[orocco], Los Olivados prope oppidum Tanger, in fruticeto. On its label the cited specimen is named f. *breviciliatum*! by Lindberg. This form has not recently been recognised.

***Hypericum undulatum* Schousb. var. *impellucidum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 103 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, loco humido ad viam, supra monast. de S. Francisco, c. 1500 m, 23 July 1926, *Harald Lindberg 1054* (H-1380080!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, loco humido juxta viam supra monasterium, c. 1500 m. On its label the cited specimen is named v. *impellucidum* n[ova] var. by Lindberg. It has been proposed, that var. *impellucidum* is synonym of *Hypericum tetrapterum* Fr. (*Flora Iberica* 2011c).

***Iberis balansae* Jordan var. *vestita* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 62 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, loco sicco in Cedreto, c. 1600 m, 29 June 1926, *Harald Lindberg 4385* (H-1349711!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, loco sicco in cedreto, una cum typo crescens. On its label the cited specimen is named var. *vestita* n[ova] var. by Lindberg.

Identified as *Iberis ciliata* subsp. *taurica* var. *vestita* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 866 (1934); *I. ciliata* var. *vestita* (H.Lindb.) Maire, in Emb. & Maire, *Cat. Pl. Maroc* 4: 1002 (1941); *I. linifolia* f. *vestita* (H.Lindb.) Maire, *Fl. Afrique N.* 13: 114 (1967). This variety has not recently been recognised.

***Iberis semperflorens* L. subsp. *fiorii* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 62, fig. 19c (1932)

Lectotype (designated here): [ITALY], Sicilia, Palermo, in rupe ad ped. m. Monte Grifone, 23 April 1924, *Harald Lindberg* (H-1349815!).

Protologue locality in Lindberg (1932): S[icilia], Palermo, in rupe ad pedem montis M. Grifone. On its label the cited specimen is named subsp. *fiorii* n[ova] subsp. by Lindberg. This subspecies has not recently been recognised.

***Impatiens noli-tangere* L. f. *pallidiflora* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 803]: 106 (1916b)

Lectotype (designated here): FINLAND, Nylandia, par. Kyrkslätt, Torsvik, in nemore, 5 August 1909, *Harald Lindberg* [*Pl. Finland. Exs.* 803] (H-397380!).

Protologue given on a printed label (Lindberg 1916b).

***Isatis canescens* DC. var. *glabrifolia* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 37 (1906f)

Lectotype (designated here): [CROATIA], Illyricum, Dalmatia, Cattaro [Kotor], in ruderalis lapidosis juxta oppidum, 24 May 1905, *Harald Lindberg* (H-1510778!), lectoparatype: [CROATIA], Illyricum, Dalmatia, Cattaro, in ruderalis saxosis margine oppidi, 24 May 1905, *Harald Lindberg* (H-1510779!).

Protologue locality in Lindberg (1906f): Dalm[atia], Cattaro, in ruderalis lapidosis juxta oppidum. On labels the cited specimens are named *Isatis canescens* DC. var. *glabrifolia* m[ihi] by Lindberg.

Identified as *Isatis tinctoria* L. var. *canescens* (DC.) H.Lindb. f. *glabrifolia* (H.Lindb.) H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 63 (1932). *Isatis canescens* DC. is synonym of *I. tinctoria* L. (Marhold 2011a). This form has not recently been recognised.

***Jasione amethystina* Lag. f. *glaberrima* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 150 (1932)

Lectotype (designated here): Hispania [SPAIN], Granada, Sierra Nevada, in glareosis juxta Laguna de las Yeguas, c. 2500 m, 22 July 1926, *Harald Lindberg* 917 (H-1430856!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in glareosis in regione alpina, juxta Laguna de las Yeguas, c. 2500 m. On its label the cited specimen is named f. *glaberrima*! by Lindberg. The species is a synonym of *Jasione crispa* subsp. *tristis* (Bory) G.López (Castroviejo *et al.* 2010). This form has not recently been recognised.

***Juncus balticus* Willd. var. *tenuis* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 22: 6 (1896)

Lectotype (designated here): [RUSSIA, Karelia keretina], Kuolemajärvi, in ripa maris inter Tammikko et Seivästö (given in label also in Swedish: spar. på stenig strand mellan Tammikko och Seivästö), 7 September 1895, *Harald Lindberg* (H-221948!), isolectotype: H-221949!).

Protologue locality in Lindberg (1896): Kuolemajärvi, mellan [between] Seivästö och Tammikko, 1895, H. Lindberg. On labels the cited specimens are named var. *tenuis* n[ova] var. by Lindberg.

According Art. 7.11 (McNeill *et al.* 2006) holotypification of this name by Kirschner (2002: 68) is not correctable to lectotype, as it was published after the year 2000.

Identified as *J. balticus* f. *tenuis* (H.Lindb.) Cajander, *Melan Suom. Kasvio*: 150 (1906). This is *J. balticus* Willd. *sensu stricto* (WCSP 2011).

***Juncus bufonius* L. subsp. *mogadorensis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 31, fig. 11a (1932)

Lectotype (designated here): MOROCCO, occ., prope opp. Mogador, in ripa fl. Oued Ksob, 12 May 1926, *Harald Lindberg* 2131 (H-1232750!), isolectotypes: H-1232751!, LD, MPU-009617).

Protologue locality in Lindberg (1932): M[orocco], Mogador, in ripa fluminis Oued Ksob, una cum subsp. *J. mutabili* crescens. On labels the cited specimens are named *J. tenuis* \*subsp. *mogadorensis* n[ova] subsp. by Lindberg.

According Art. 7.11 (McNeill *et al.* 2006) holotypification of this name by Kirschner (2002: 13) is not correctable to lectotype, as it was published after year 2000.

Identified as *Juncus mogadorensis* (H.Lindb.) A.W.Hill, *Index Kew., Suppl.* 9: 281 (1938); *J. bufonius* var. *mogadorensis* (H.Lindb.) Maire & Weiller, in Maire, *Fl. Afr. Nord* 4: 265 (1957), Förther & Podlech, *Sendtnera* 8: 46 (2002). A synonym of *Juncus hybridus* Brot. (Kirschner 2002, WCSP 2011).

***Juncus cyprius* H.Lindb.**, *Årsbok-Vuosik. Soc. Sci. Fenn.* 20 B(7): 5 (1942)

Lectotype (designated here): CYPRUS, distr. Paphos, Kannaviou, in arena humida in flumine Ezaza, 19 July 1939, *Harald Lindberg* (H-1232821!, isolectotypes: H-1232820!, W).

Protologue locality in Lindberg (1942): [Cyprus], Distr. Paphos, Kannaviou, in arena humida in flumine Ezaza. On labels the cited specimens are named *Juncus cyprius* n[ova] sp. by Lindberg. A figure was published in Lindberg (1946, fig. 5). It is a synonym of *Juncus inflexus* (det. Sven Snogerup 1979; Meikle 1985: 1654) subsp. *inflexus* (Kirschner 2002, WCSP 2011).

***Lamium purpureum* L. f. *albiflorum* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 892]: 129 (1916b), as 'albiflora', *nom. nudum*

***Lamium purpureum* L. f. *albiflorum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 128 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Madrid, Aranjuez, in cultis, 30.III.1926, *Harald Lindberg* (H-1086526!).

Protologue locality in Lindberg (1932): H [Spain], Aranjuez prope urbem Madrid, in cultis una cum typo. On its label the cited specimen is named f. *albiflora* by Lindberg.

***Lappula deflexa* (Wahlenb.) Garcke f. *albiflora* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 589 (1933)

Lectotype (designated here): [RUSSIA, Ks/Rs], Kuusamo, Paanajärvi, Ruskeakallio, 27 June 1911, *Edvard af Hällström* (H-038869!).

Protologue locality in Hiitonen (1933): [Finland, now Russia], Ks [Regio Kuusamoënsis]. On the label the cited specimen is named *E[chinosperrum] deflexum* f. *albiflorum* m[ihi] by Lindberg.

***Lathyrus angulatus* L. f. *simplex* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 81 (1932)

Lectotype (designated here): Hispania [SPAIN], Prov. Jaén, Santa Eléna, ad viam ferr., 7 April 1926, *Harald Lindberg* 367 (H-1292100!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Morena, Santa Eléna, loco graminoso juxta viam ferratam. On its label the cited specimen is named f. *simplex* n[ova] f. by Lindberg. This form has not recently been recognised.

***Lathyrus pratensis* L. f. *pallidiflorus* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 473 (1933)

Lectotype (designated here): FINLAND, N [Nylandia], Kyrkslätt [Kirkkonummi], Österby, Näses, 9 July 1908, HLg [*Harald Lindberg*] (H-198617!, isolectotype: H-198614!).

Protologue localities in Hiitonen (1933): 1. [Finland] N [Nylandia], 2. [Finland] St [Satakunta]. On labels the cited specimens are named f. *pallidiflorus* by Lindberg.

***Lavandula multifida* L. f. *albiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 129 (1932)

Lectotype (designated here): [Hispania, GIBRALTAR], in decliv. saxosis siccis., parciss, 17 April 1926, *Harald Lindberg* 608 (H-1616516!).

Protologue locality in Lindberg (1932): H [Spain], Gibraltar, in declivibus saxosis siccissimis, una cum forma violacea. On its label the cited specimen is named f. *albiflora*! by Lindberg.

***Lepidium hirtum* DC. subsp. *dhayense* (Munby) Thell. var. *pilosus* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 63 (1932)**

Lectotype (designated here): MOROCCO, Atlas medius, prope pag. Azrou, in rup. sicc. vallis Tioumliline, c. 1400 m, 27 June 1926, *Harald Lindberg 4199* (H-1259310!); lectoparatype: MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, in saxosis in cedreto, c. 1600 m, 24 June 1926, *Harald Lindberg 4283* (H-1259309!). Protologue localities in Lindberg (1932): 1. M[orocco], Atlas medius, in rupe sicca vallis Tioumliline supra pagum Azrou, c. 1400 m; 2. M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, in saxosis in cedreto, c. 1600 m. On labels the cited specimens are named var. *pilosus*! by Lindberg. Subspecies *dhayense* (Munby) Thell. is included in *Lepidium hirtum* (L.) Sm. *sensu stricto* (Marhold 2011a). Variety *pilosus* has not recently been recognised.

***Lepidium hirtum* DC. subsp. *dhayense* (Munby) Thell. var. *pubescens* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 63 (1932)**

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, in lapidosis supra pag. Arround, c. 2200 m, 10 June 1926, *Harald Lindberg 3772* (H-1259308!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, in lapidosis supra pagum Arround, c. 2200 m. On the label the cited specimen is named var. *pubescens*! by Lindberg. This variety has not recently been recognised.

***Lepidium stylatum* Lag. & Rodr. var. *glaberrimum* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 63 (1932), as 'glaberrima'**

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, in glareosis juxta Laguna de las Yeguas, c. 2500 m, 22 July 1924, *Harald Lindberg 820* (H-1259314!); lectoparatype: Hispania [SPAIN], prov. Granada, Sierra Nevada, in glareosis juxta Laguna de las Yeguas, c. 2500 m, 21 July 1924, *Harald Lindberg 448* (H-1259316!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in glareosis juxta Laguna de las Yeguas, c. 2500 m, parce inter typum. On labels the cited specimens are named var. *glaberrimum*! by Lindberg. *Lepidium stylatum* Lag. & Rodr. is synonym of *L. hirtum* (L.) Sm. subsp. *stylatum* (Lag. & Rodr.) Thell. (Marhold 2011a). Variety *glaberrimum* has not recently been recognised.

***Linaria galioides* Ball. f. *glaberrima* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 138 (1932)**

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, in decliv. supra Sidi Chamarouch supra pagum Arround, c. 2600 m, 11 June 1926, *Harald Lindberg 3826* (H-1622075!).

Protologue locality in Lindberg (1932): [Morocco], Atlas major, in convalle fluminis Aït Messane, in declivi supra Sidi Chamarouch supra pagum Arround, una cum typo, c. 2600 m. On its label the cited specimen is named f. *glaberrima* m[ihi] by Lindberg.

Identified as *Linaria heterophylla* Desf. subsp. *galioides* (Ball) Litard. & Maire f. *glaberrima* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 675 (1934). A recently used name for this taxon is *Linaria multicaulis* (L.) Mill. subsp. *galioides* (Ball) D.A.Sutton, *Revis. tribe Antirrhineae*: 448 (1988), and currently *L. multicaulis* is considered as synonym of *Linaria supina* (L.) Chaz. (Marhold 2011g).

***Linaria spartea* (L.) Hoffm. & Link f. *glandulosa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 139 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Jaén, Santa Eléna, in cultis prope pagum, 6 April 1926, *Harald Lindberg* 399 (H-1622242!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Morena, Santa Eléna, in cultis prope pagum. On its label the cited specimen is named f. *glandulosa*! by Lindberg. This form has not recently been recognised.

***Linaria ventricosa* Coss. & Balansa f. *unicolor* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 139 (1932)

Lectotype (designated here): MOROCCO, Atlas magnum, Amismiz, in fruticeto juxta pagum, c. 1000 m, 26 May 1926, *Harald Lindberg* 2840 (H-1622349!), lectoparatype: MOROCCO, Atlas Magnum, in convalle fl. Ait Messane, Tintine, in decliv. saxos., c. 1500 m, 5 June 1926, *Harald Lindberg* 3661 (H-1622348!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, Amismiz, in fruticeto juxta pagum, c. 1000 m; 2. [Morocco, Atlas major], in convalle fluminis Ait Messane, Tintine, in declivi saxoso arido, c. 1500 m. On labels the cited specimens are named f. *unicolor* m[hi] by Lindberg. This form has not recently been recognised.

***Linum catharticum* L. f. *annua, simplex***, *Sched. Pl. Finland. Exs. Fasc. 9–20* [no. 790]: 103 (1916b).

The words *annua, simplex* are interpreted here as descriptive, showing how specimens differ from each other. They were not intended as taxa.

***Linum catharticum* var. *annuum* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 546 (1933)

Lectotype (designated here): [FINLAND], Nylandia, Ekenäs, Tvärminne, Storängsberget, 21 July 1907, *J. A. Palmén* (H-394937!), isoelectotype: H-394959!).

Protologue locality in Hiitonen (1933). No type locality is given. Hiitonen obviously assumed that description in *Sched. Pl. Finland. Exs.* (Lindberg 1916b: 103) was sufficient. Palmén (1910: 233) discussed the existence of an annual form of *L. catharticum*.

***Linum catharticum* L. f. *bienne* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc. 9–20* [no. 791]: 103 (1916b), as 'biennis'

Lindberg (1916b) refer to diagnosis provided by Cleve (1897:63). The type was collected in Sweden, Östergötland. It is a synonym of *L. catharticum* L. var. *subalpinum* Hausskn. (Hiitonen 1933: 546).

***Linum suffruticosum* L. var. *angustifolium* Lange f. *glabrifolium* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 95 (1932)

Lectotype (designated here): MOROCCO occ., Atlas magnum, inter *Callitris* in valle supra Tis Rarin, 17 May 1926, *Harald Lindberg* 2347 (H-1369636!); lectoparatype: MOROCCO occ., Atlas major, in m. Djebel Amsitte, in decliv. int. *Callitris*, prope Tis Rarin, 17 May 1926, *Harald Lindberg* 2287 (H-1369637!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in monte Djebel Amsitten, inter *Callitris* in valle supra Tis Rarin. On its label the cited specimen is named f. *glabrifolium*! by Lindberg. This form has not recently been recognised.

***Linum suffruticosum* L. var. *angustifolium* Lange f. *hirtifolium* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 95 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, in decliv. arid. juxta monast. de Francisco, c. 1400 m, 24 July 1926, *Harald Lindberg 1130* (H-1369639!); lectoparatype: Hispania [SPAIN], prov. Granada, Sierra Nevada, 24 July 1926, *Harald Lindberg 1178* (H-1369640!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in declivibus aridis juxta monasterium, c. 1400 m. On labels the cited specimens are named f. *hirtifolium*! by Lindberg. This variety and form have not recently been recognised.

***Lobelia dortmanna* L. var. *decolor* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 970]: 149 (1916b)

Lectotype (designated here): FINLAND, Nylandia. par. Kyrkslätt, in lacu Juusjärvi una cum forma typica crescens, 4 August 1907, *Harald Lindberg [Pl. Finland. Exs. 970]* (H-348209!, isolectotype: H-348242!).

Protologue given on a printed label (Lindberg 1916b).

Identified as *L. dortmanna* L. f. *decolor* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 675 (1933).

***Lolium subulatum* Vis. f. *aristatum* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 12 (1906f), as 'aristata'

Lectotype (designated here): [CROATIA], Dalmatia, in insula Meleda, Porto Palazzo, in campo sicco, 22 May 1905, *Haral Lindberg* (H-1181111!, isolectotype: H-1181108!).

Protologue locality in Lindberg (1906f): Dalm., in insula Meleda, Porto Palazzo, in campo sicco. On labels the cited specimens are named f. *aristatum* m[ihi] by Lindberg. This form has not recently been recognised.

***Lolium teres* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 19, fig. 4 (1932)

Lectotype (designated here): MOROCCO occ., prope opp. Mogador, in ripa fluminis arenosa fl. Oued Ksob, 12 May 1926, *Harald Lindberg 2027* (H-1181438!, isolectotype: MPU-009620).

Protologue locality in Lindberg (1932): M[orocco], Mogador, in ripa fluminis Oued Ksob. On labels the cited specimens are named *Lolium teres* n[ova] sp. by Lindberg.

Identified as *L. rigidum* Gaudin var. *teres* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 866 (1934). Synonym of *Lolium rigidum* Gaudich. (WCSP 2011).

***Lotus arenarius* Brot. f. *typicus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 82 (1932), *nom. inval.*

***Lotus arenarius* Brot. f. *fuscus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 82 (1932), as 'fusca'

Lectotype (designated here): MOROCCO occ., prope opp. Mogador, in arena mobili, 10 May 1926, *Harald Lindberg 1970* (H-1527150!), lectoparatype: MOROCCO, prope oppidum Marrakech, in campo, 465 m, 21 May 1926, *Harald Lindberg 3020* (H-1527146!).

Protologue localities in Lindberg (1932): 1. M[orocco], in ripa arenosa fluminis oued Ksob prope oppidum Mogador; 2. M[orocco], Marrakech, in campo prope oppidum. On labels the cited specimens are named f. *fusca*! by Lindberg. This form has not recently been recognised.

***Lotus arenarius* Brot. var. *crispulus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 82 (1932), as 'crispulum'

Lectotype (designated here): MOROCCO bor., prope opp. Tanger, in arena litorali, 15 July 1926, *Harald Lindberg 1544* (H-1564330!).

Protologue locality in Lindberg (1932): M[orocco], Tanger, in arena litorali. On its label the cited specimen is named var. *crispulum* n[ova] var. by Lindberg. This variety has not recently been recognised.

***Lotus macrocarpus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 83, fig. 22 (1932)

Lectotype (designated here): MOROCCO, prope opp. Rabat, in rup. calc. aridiss., 3 May 1926, *Harald Lindberg 1071* (H-1280425!).

Protologue locality in Lindberg (1932): M[orocco], Rabat, in rupe calcarea aridissima juxta oppidum. On labels the cited specimens were annotated *Lotus macrocarpus* n[ova] sp. by Lindberg, synonymous to *Lotus weilleri* Maire, *Bull. Soc. Hist. Nat. Afrique N.* 19: 40 (1928).

***Lotus palustris* Willd. var. villosissimus H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 19 (1946)

Lectotype (designated here): CYPRUS, distr. Nicosia, pag. Galata ad viam ad m. Troodos, loco. humid. juxta fl. Karyotis, 23 June 1939, *Harald Lindberg* (H-1527580!, isolectotype: H-1527581!).

Protologue locality in Lindberg (1946): [Cyprus], Galata ad viam ad m. Troodos, loco humido juxta flum. Karyotis. On labels the cited specimens are named f. *villosissimus* n[ova] f. by Lindberg, a synonym of *L. palustris* Willd. *sensu stricto* (Meikle 1977: 482).

***Luzula* × *hybrida* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 31: 10 (1906b), *nom. nudum*

***Luzula* × *hybrida* H.Lindb. ex Kirschner**, *Preslia* 63: 93 (1991)

Holotype (Kirschner 1991: 92): FINLAND, Savonia borealis, par. Jorois [Joroinen], Järvikylä, Lapinmäki, fukt. äng, bl. föräldrarna [moist meadow, amongst parent species] [= *Pl. Finland. Exs.* 158], 2 July 1904, *Harald Lindberg* (LD; isotypes: H-238902!, H-238901!, H-490756!, PR).

Protologue locality (Lindberg 1906b): Finland, Sb [Savonia borealis]. On labels the cited specimens are named *L. multiflora* × *sudetica* (*L. hybrida* m[ihi]) by Lindberg.

Lindberg considered his hybrid as *L. multiflora* × *sudetica*, but it was proven to be *L. pallescens* Sw. × *sudetica* (Willd.) Schult. The labels at H lack the text Lapinmäki, fukt. äng, but represent the same gathering.

***Lycopodium complanatum* L. \*[subsp.] anceps Wallr. f. polystachyum H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 1–6 [15]: 5 (1906g)

Lectotype (designated by Kukkonen 1970: 142): FINLAND, regio Aboënsis, par. Lojo, loco arenoso in pineto sicco iugi Lojoënsia, cum typo, 26 August 1893, *Harald Lindberg* [*Pl. Finland. Exs.* 15] (H-179363!, isolectotype: H-179364!).

Protologue given on printed label (Lindberg 1906g).

Identified as *Lycopodium complanatum* L. var. *polystachyum* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 52 (1933); *Diphasium complanatum* var. *polystachyum* (H.Lindb.) Kukkonen, *Ann. Bot. Fenn.* 4: 459. (1967); *Diphasiastrum* × *zeilleri* (Rouy) Holub, *Preslia* 47: 108 (1975); *Diphasiastrum complanatum* subsp. *zeilleri* (Rouy) Kukkonen, *Ann. Bot. Fennici* 23: 265 (1986). *Diphasiastrum* × *zeilleri* (Rouy) Holub., viz. *D. complanatum* (L.) Holub × *D. tristachyum* (Pursh) Holub. is the name currently in use (Kukkonen 2000), but the genus *Diphasiastrum* is now part of an expanded *Lycopodium* (Christenhusz *et al.* 2011).



***Malcolmia broussonetii* DC. subsp. *mamorensis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 63 (1932)

Lectotype (designated here): MOROCCO occ, prope opp. Rabat, Kenitra, in silva Mamora, solo arenoso, 20 June 1926, *Harald Lindberg 1744* (H-1263177!, isolectotypes: H-1263165!, MPU- 008598); lectoparatype: MOROCCO occ, prope opp. Rabat, Kenitra, in silva Mamora, inter *Querc. suber*, solo arenoso, 2 May 1926, *Harald Lindberg 1613* (H-1263164!).

Protologue locality in Lindberg (1932): M[orocco], Rabat, Kenitra, solo arenoso in silva Mamora. On labels the cited specimens are named \*[subsp.] *mamorensis* m[ihi] by Lindberg. *Malcolmia broussonetii* is synonym of *M. triloba* (L.) Spreng. (Fennane *et al.* 1999:431, Valdés *et al.* 2002a: 252, Marhold 2011). This subspecies has not recently been recognised.

***Malcolmia littorea* (L.) R. Br. var. *lingulata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 64 (1932)

Lectotype (designated here): MOROCCO occ., Casablanca, in litore arenoso, 6 May 1926, *Harald Lindberg 1775* (H-1512121!, isolectotype: H-1512122!).

Protologue locality in Lindberg (1932): M[orocco], Casablanca, in litore arenoso. On labels the cited specimens are named v. *lingulata* n[ova] var. by Lindberg. Variety *lingulata* is included in *M. littorea sensu stricto* (Valdés *et al.* 2002a: 251).

***Malva rotundifolia* L. var. *leiocarpa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 102 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, in saxosis aridis. pr. pa. Tinitine, c. 1500 m, 5 June 1926, *Harald Lindberg 3668* (H-1378578!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle flumine Aït Messane, in saxosis aridissimis prope pagum Tinitine, c. 1500 m. On its label the cited specimen is named var. *leiocarpa* m[ihi] n[ova] var. by Lindberg. This variety has not recently been recognised.

***Marrubium candidissimum* L. var. *subrotundum* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 89 (1906f)

Lectotype (designated here): [CROATIA] Dalmatia, Scardona [Skradin], Krkafälle [Mt. Krka], 15 May 1905, *Harald Lindberg* (H-1616541!).

Protologue locality in Lindberg (1906f): Dalm., Scardona, in saxosis apricis ad cataractas Krka. On its label the cited specimen is named var. *subrotundum* m[ihi] by Lindberg. This variety has not recently been recognised.

***Marsilea pubescens* Ten. f. *subglabra* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 5 (1932)

Lectotype (designated here): MOROCCO, prope oppidum Marrakech, in aqua stagnante in margine oppidi, 465 m, 21 May 1926, *Harald Lindberg 2988* (H-1129674!, isolectotypes: H-1129673!, MPU- 008554).

Protologue locality in Lindberg (1932): M[orocco], in aqua stagnante in vicinitate oppidi Marrakech. On labels the cited specimens are named f. *subglabra* n[ova] v. by Lindberg. Two syntypes in Lund (LD) were also cited. This form has not recently been recognised.

***Matthiola tristis* (L.) R. Br. f. *lividiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 64 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Madrid, Aranjuez, in marg. viae ferr., 30.III.1924, *Harald Lindberg 135* (H-1263559!).

Protologue locality in Lindberg (1932): H [Spain], Aranjuez prope urbem Madrid, in margine viae ferratae. On the label the cited specimen is named f. *lividiflora*! by Lindberg. This form has not recently been recognised.

***Medicago arabica* All. var. *longispina* Rouy & Fouc. f. *immaculata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 84 (1946), *nom. nudum*

***Medicago minima* L. var. *elongata* Rochel f. *glandulosa* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 53 (1906f)

Lectotype (designated here): HUNGARIA centralis, prope Budapestium, in campo arenoso inter Dunakesz et Káposztás-Megyer, 20 June 1905, *Harald Lindberg* (H-1521940!).

Protologue locality in Lindberg (1906f): Hung., Budapest, in campo arenoso inter Dunakesz et Káposztás-Megyer. On label the cited specimen was tentatively named as var. *glandulosa* m[ihi] by Lindberg. This form has not recently been recognised.

***Melampyrum sylvaticum* f. *genuinum* H.Lindb. ex Hagfors**, *Luettelo Suom. Putkilokasveista*: 103 (1924), *nom. nudum*

***Mentha alandica* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 2067]: 276 (1944)

Lectotype (designated here): FINLAND, Alandia, par. Finström, Björkö, in margine fruticeti in prato frondoso, copiose crescens (tantum haec forma), [1942], *Harald Lindberg* [*Pl. Finland. Exs.* 2067] (H-521317!), isolectotype: H-521381!, UPS!).

Protologue given on a printed label (Lindberg 1944). This is *M. aquatica* L. × *arvensis* L. (det. Juha Suominen 1975), viz. *M.* × *verticillata* L.

***Mentha arrhenii* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 32: 197 (1906e), as 'Menta'

Lectotype (designated here): [FINLAND], N [Nylandia], Ingå [Inkoo], Fagervik, Lundbergs torp [Lundberg farm], 19 August 1906, *HLg* [*Harald Lindberg*] (H-428164!, H-428170!); lectoparatypes: [FINLAND], Ab [Regio aboënsis], Lojo [Lohja], SOLhem [family house of Lindbergs], in horto, 22 August 1906, *HLg* [*Harald Lindberg*] (H-308175!, H-308170!); [FINLAND], Ab [Regio aboënsis], Lojo [Lohja], Linnais [Linnainen], 22 August 1906, *HLg* [*Harald Lindberg*] (H-308174!).

Protologue locality in Lindberg (1906e: 92): Södra Finland [South Finland]. On labels the cited specimens are named *Mentha arrhenii* by Lindberg.

Lectotypes sheets are cross-labelled by fol. 1 and fol. 2. In *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 880]: 126 Lindberg (1916b) gave an extended Latin description. Number 880 was collected on 20 September 1907. Currently the epithet is applied as a cultivar name: *Mentha* × *gentilis* 'Arrhenii'. *Mentha arrhenii* appeared also in Cajander (1906: 486), which was published, however, after 10 Oktober (Cajander 1906: X), most probably after *Meddelanden* had been printed. Lindberg gave a communiqué of the new species in a meeting of *Societas pro Fauna et Flora Fennica* on 3 March 1906.

Identified as *M. gentilis* L. var. *arrhenii* (H.Lindb.) Hyl., *Acta Phytog. Suec.* 14: 26 (1941) = *M.* × *gentilis* L. 'Arrhenii' (Kurtto 2005: 69).

***Mentha arvensis* var. *litoralis* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 33: 133 (1907), *nom. nudum*

***Mentha litoralis* Hartm. f. *interrupta* H.Lindb.**, *Acta Soc. Fauna Fl. Fenn.* 51: 160 (1923), *nom. nudum*

***Mentha litoralis* Hartm. f. *interrupta* H.Lindb. ex Hiitonen, *Suom. Kasvio*: 599 (1933)**

Lectotype (designated here): FINLAND, Al [Alandia], par. Eckerö, Storby, vid stranden af den sydligaste “fladan” [on shore of the southernmost flada], 8 September 1892, *Harald Lindberg* (H-521325!); lectoparatatype: FINLAND, Al [Alandia], par. Saltvik, Kvarnbo, 28 July 1890, *Harald Lindberg* (H-521262!). Protologue locality in Hiitonen (1933): Finland. On labels the cited specimens are named f. *interrupta* m[ihi] by Lindberg.

Identified as *M. litoralis* var. *interrupta* (H.Lindb. ex Hiitonen) H.Lindb., *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 2065, 2066]: 276 (1944). This is *M. aquatica* × *arvensis* (det. Juha Suominen 1975), viz. *M.* × *verticillata*.

***Micromeria cypria* Kotschy var. *villosissima* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 29 (1946)**

Lectotype (designated here): CYPRUS, distr. Kyrenia, Ayios Hilarion, in fiss. rup. sicc., 7 June 1939, *Harald Lindberg* (H-1413162!).

Protologue locality in Lindberg (1946): [CYPRUS], Ayios Hilarion, in fissuris rupis siccissimis. On its label the cited specimen is named var. *villosissima* m[ihi] by Lindberg, a synonym of *M. microphylla* (d’Urv.) Benth. (Meikle 1985: 1276, Bräuchler *et al.* 2008).

***Micromeria myrtifolia* Boiss. & Hohen f. *albiflora* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 29 (1946), *nom. nudum***

***Minuartia procumbens* (Vahl) Aschers. & Graebn. f. *glaucovirens* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 46 (1932)**

Lectotype (designated here): [TUNISIA], Tunetia media, Sbeitla, inter ruinas, 3 April 1924, *Harald Lindberg* (H-1335842!, isolectotype: H-1335834!).

Protologue locality in Lindberg (1932): T. [Tunisia], Tunetia media, Sbeitla, inter ruinas. On labels the cited specimens are named as *Alsine procumbens* Fenzl. f. *glaucovirens*! by Lindberg.

*Minuartia procumbens* (Vahl) Aschers. & Graebn. is partially synonym of *Rhodalsine geniculata* (Poir.) F.N. Williams (Marhold 2011b). This form has not recently been recognised.

***Minuartia procumbens* (Vahl) Aschers. & Graebn. var. *obovata* H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 46 (1932)**

Lectotype (designated here): [ITALY], Sicilia, Sferracavallo pr. opp. Palermo, 24 April 1924, *Harald Lindberg* (H-1335831!).

Protologue locality in Lindberg (1932): S[icilia], Sferracavallo prope oppidum Palermo, in litore maris. On labels the cited specimens are tentatively named as *Alsine procumbens* var. *obovata*! by Lindberg. This variety has not recently been recognised.

***Moltkia petraea* (Tratt.) Griseb. f. *linearifolia* H.Lindb., *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 86 (1906f)**

Lectotype (designated here): [CROATIA], Dalmatia, Ragusa [Dubrovnik], ad fontem Ombla, 21 May 1905, *Harald Lindberg* (H-1615010!).

Protologue locality in Lindberg (1906f): [Dalmatia], Ragusa, in saxosis calc. apricis ad fontem Ombla prope Gravosa. On its label the cited specimen is named f. *linearifolia* by Lindberg. This form has not recently been recognised.

***Moltkia petraea* (Tratt.) Griseb. f. *oblongifolia* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 86 (1906f)

Lectotype (designated here): [CROATIA], Illyricum, Dalmatia, Cattaro [Kotor], in saxosis, 24 May 1905, *Harald Lindberg* (H-1615009!).

Protologue locality in Lindberg (1906f): [Croatia, Dalmatia], Cattaro, in saxosis apricis in vallecule supra urbem. On its label the cited specimen is named f. *oblongifolia* by Lindberg. This form has not recently been recognised

***Montia fontana* L. subsp. *lamprosperma* (Cham.) H.Lindb. var. *boreorivularis* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 27: 21 (1901a)

Lectotype (designated here): [RUSSIA], Ik [Isthmus karelicus], par. Valkjärvi, Pähkinämäki, in fonte, 15 August 1897, *HLg* [*Harald Lindberg*] (H-476318!, isolectotype: H-789220!).

Protologue localities in Lindberg (1901a): 1. Valkjärvi, Pähkinämäki, källor och rinnande vatten [springs and running water], 2. Sweden. On labels the cited specimens are named var. *boreo-rivularis* m[ihi] by Lindberg. Synonym of *M. fontana* L.

***Montia fontana* L. subsp. *lamprosperma* (Cham.) H.Lindb. var. *boreorivularis* H.Lindb. f. *spathulata* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 27: 21 (1901a)

Lectotype (designated here): [RUSSIA], Ik [Isthmus karelicus], Pyhäjärvi, Riiska, in fonte, 30 July 1897, *HLg* [*Harald Lindberg*] (H-476301!, isolectotype: H-789221!).

Protologue localities in Lindberg (1901a): Pyhäjärvi, Riiska, källor och rinnande vatten [in fonte]. On labels the cited specimens are named f. *spathulata* m[ihi] by Lindberg. It is a synonym of *M. fontana* L.

***Myosotis collina* L. f. *albiflora* H.Lindb.**, *Pl. Finland. Exs.* Fasc. 26: label no. 1290 (1933), *nom. nudum*

***Myosotis sylvatica* (Ehrh.) Hoffm. subsp. *albomarginata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 126 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, loco umbr. humid. intra saxo juxta fl., supra Sidi Chamarouch, 2500 m, 11 June 1926, *Harald Lindberg* 3835 (H-1614586!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, loco umbroso humido inter saxa juxta flumen supra Sidi Chamarouch supra pagum Arround, 2500 m. On its label the cited specimen is named \*[subsp.] *albomarginata* m[ihi] by Lindberg.

Identified as *Myosotis alpestris* subsp. *albomarginata* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 601 (1934), a synonym of *Myosotis atlantica* Vestergr. (Fennane 2007: 390).

***Myosotis sylvatica* Hoffm. f. *parviflora* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 26: 51 (1900d)

Lectotype (designated here): [RUSSIA], Lapponia orientalis [Lp, Lapponia Ponojensis], par. Ponoj (ad lat. bor. c. 67°10'), fukt. ställe midt emot byn [moist place opposite of village], 19 July 1899, *Ivstus* [*Justus*] *Montell* (H-422757!).

Protologue locality in Lindberg (1900d): [Russia], Lapponia ponojensis, Ponoj, Montell. On its label the cited specimen is named var. *parviflora*! by Lindberg. This is a small flowered specimen of *Myosotis decumbens* Host.

***Najas armata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 8 (1932)

Lectotype (designated here): EGYPT. A.R., *Delile* (MPU!).

Protologue locality in Lindberg (1932): *Fl. Egypt.* 281 (Delile 1812).

Identified as *Najas marina* subsp. *armata* (H.Lindb.) Horn, *Kew Bulletin* 7: 29 (1912).

***Nardurus maritimus* (L.) Murb. f. *pilosus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 20 (1932), as 'pilosa'

Lectotype (designated here): MOROCCO, Atlas magnum, in convalle fl. Reraïa, in decliv. lapid. calc. contr. deversorium pr. pag. Asni, 1300 m, 6 June 1926, *Harald Lindberg* 3679 (H-1177253!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Reraïa, in declivibus lapidosis calcareis contra deversorium La bonne Auberge prope pagum Asni, 1225 m. On its label the cited specimen is named f. *pilosa*! by Lindberg. *Nardurus maritimus* is a synonym of *Vulpia unilateralis* (L.) Stace (Valdés *et al.* 2002b, Valdés & Scholz 2006). This form has not recently been recognised.

***Odontites brevifolia* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42: 74 (1944)

Lectotype (designated by Snogerup 1982: 8): ESTHONIA, Werder [Virtsu], in litore maris, 5 July 1912, *Harald Lindberg* (H-1419957!, isolectotypes: C, H-1419956!, K, LD, S, UPS).

Protologue locality in Lindberg (1944): Esthonia occ., Werder, in litore maris una cum *O. litorali* crescens, 5 July 1912, *Harald Lindberg*. On its label the lectotype was named *O. litoralis* and the isolectotype in H was labelled *O. litoralis simplex* by Lindberg. Although *O. brevifolia* was published in *Sched. Pl. Finland Exs.*, no specimens were represented in the exsiccatae. It is a synonym of *Odontites litoralis* (Snogerup 1982) subsp. *litoralis* (det. Britt Snogerup 1979).

***Onobrychis aequidentata* (Sibth. & Sm.) d'Urv. subsp. *foveolata* (Seringe) H.Lindb. var. *dalmatica* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 60 (1906f)

Lectotype (designated here): [CROATIA], Dalmatia, Sučurac prope Spalato, 16 May 1905, *Harald Lindberg* (H-1600530!).

Protologue locality in Lindberg (1906f): Dalm., Sučurac prope Spalato, in colle sterili. On label the cited specimen is named var. *dalmatica* m[ihi] by Lindberg. Subspecies *foveolata* is synonym of *O. aequidentata* (Sibth. & Sm.) d'Urv. subsp. *sensu stricto* (ILDIS 2010). This variety has not recently been recognised.

***Onobrychis aequidentata* (Sibth. & Sm.) d'Urv.  $\beta$  [var]. *gussonei* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 59 (1906f)

Lectotype: [Italy], Puglia, in aridis campis, 1847, *Gussone* (S11-33103!).

Protologue localities in Lindberg (1906f): 1. [ITALY], Puglia, in aridis campis (*Gussone* 1847 'O. *aequidentata*' S; 2 *Gussone* 1847 'O. *foveolata*' W). This variety has not recently been recognised.

***Onobrychis aequidentata* (Sibth. & Sm.) D'Urv.  $\alpha$  [var]. *typica* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 59 (1906f), *nom. inval.*

***Ononis antiquorum* L. f. *albiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 29 (1946), *nom. nudum*

***Ononis columnae* All. f. *suborbicularis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 86 (1932)

Lectotype (designated here): MOROCCO, Atlas magnum, in convalle fluminis Imminen, in saxosis apricis juxta flumen, c. 1300m, 31 May 1926, *Harald Lindberg* 3232 (H-1280396!); lectoparatype: MOROCCO, Atlas magnum, in convalle fluminis Reraña, in decliv. saxosis sicciss. supra pag. Tamasit, c. 1300m, 2 June 1926, *Harald Lindberg* 3414 (H-1280397!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Reraña, in declivibus saxosis siccissimis supra pagum Tamasit, c. 1300m; 2. M[orocco], [Atlas major], in convalle fluminis Imminen, in saxosis apricis juxta flumen, c. 1300m. On labels the cited specimens are named f. *suborbicularis* n[ova] f. by Lindberg.

Identified as *O. pusilla* L. f. *suborbicularis* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3:892 (1934). *Ononis columnae* All. is synonym of *O. pusilla* L. (Valdés *et al.* 2002a: 365, ILDIS 2010). This form has not recently been recognised.

***Ononis glabrescens* Hochr. var. *murbeckii* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 87, fig. 23 (1932)

Lectotype (designated here): [TUNISIA], Tunetia media, Sbeitla, in siccim, 3 April 1924, *Harald Lindberg* (H-1280425!); lectoparatype: [TUNISIA], Tunetia media, Sbeitla, in deserto, 3 April 1924, *Harald Lindberg* (H-1280424!).

Protologue locality in Lindberg (1932): T[unisia], [Tunis], Tunetia media, Sbeitla, in saxosis siccissimis. On labels the cited specimens are named var. *murbeckii* m[ihi] by Lindberg.

The lectotype was determined as *O. angustissima* Lam. subsp. *polyclada* Murb. by H. Forther on 1 March 1989, and this name was accepted by Valdés *et al.* (2002a: 370). *Ononis natrix* L. subsp. *polyclada* (Murb.) Širj. is in current use (ILDIS 2010).

***Ononis serrata* Forrsk. subsp. *diffusa* (Ten.) Rouy var. *distantiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 88, fig. 24 (1932)

Lectotype (designated here): MOROCCO occ., prope opp. Mogador, in arenosis juxta fl. oued Ksob, 12 May 1926, *Harald Lindberg* 2116 (H-1520724!).

Protologue locality in Lindberg (1932): M[orocco], Mogador, in arenosis juxta flumen oued Ksob. On its label the cited specimen is named *Ononis \*diffusa* Ten. var. *distantiflora*! by Lindberg.

Identified as *O. diffusa* Ten. var. *distantiflora* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3:892 (1934). This variety has not recently been recognised.

***Onopordum insigne* Holmboe f. *bicolor* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 35 (1946)

Lectotype (designated here): CYPRUS, distr. Nicosia, Athalassa pr. opp. Nicosia, in decliv. sicciss, 6 June 1939, *Harald Lindberg* (H-1446096!).

Protologue locality in Lindberg (1946): [CYPRUS], Athalassa prope opp. Nicosia, in declivibus siccissimis. On its label the cited specimen is named f. *bicolor*! by Lindberg. The species name is a synonym of *Onopordum cyprium* (Meikle 1985: 958, 959). P. Hein identified the lectotype as *O. messeniacum* Haláscy. This form has not recently been recognised.

***Onopordum murbeckii* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 165, fig. 43 (1932) (**Fig. 10**)

Lectotype (designated here): MOROCCO, prope opp. Rabat, Kenitra, in campo juxta stationem viae ferratae, 20 June 1926, *Harald Lindberg* 1732 (H-1446110!), isolectotypes: H-1446109!, MPU-009604).



HELSINKI (H)  
LUNN SPEC.  
97-018 133

TYPE  
of *Onopordum murbeckii* H. Lindb. (1932)  
*Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 165  
sel. and det.  
publ. in  
Finnish Museum of Natural History, Botanical Museum (H)

*Onopordum dissectum* Murb.  
subsp. *murbeckii* (Lindberg) Maire  
det./conf. P. Hein, 2001

The photograph of this species has been  
published in *Acta Soc. Sci. Fenn. N.S. B.*  
1(2):1-178 (1932). In Fig. 43.

MUSEUM BOTANICUM  
UNIV. (H), HELSINKI  
1446110  
QUADR.

0 1 2 3 4 5

Harald Lindberg, Iter Marocanum 1926.  
*1732 Onopordum Murbeckii n. sp.*  
Marocco occ., prope opp Rabat. *Plenitro, in*  
*campo prae statimica via ferrata.*  
206 leg. et det. Harald Lindberg.

FIGURE 10. Lectotype of *Onopordum dissectum* subsp. *murbeckii* (Asteraceae)

Protologue locality in Lindberg (1932): M[orocco], Rabat, Kenitra, in campo arenoso in margine silae Mamora juxta stationem viae ferratae, frequens. On labels the cited specimens are named *Onopordon murbeckii* n[ova] sp. by Lindberg.

Identified as *O. dissectum* Murb. subsp. *murbeckii* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 804 (1934). Currently the name *O. dissectum* Murb. subsp. *murbeckii* (H.Lindb.) Maire (Valdés *et al.* 2002b: 708, Greuter 2006-2009) is in use.

***Origanum pseudo-onites* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 29, fig. 22 (1946)

Lectotype (designated here): CYPRUS, distr. Kyrenia, Lapithos, in declivi sicco, 13 June 1939, *Harald Lindberg* (H-1266721!), isolectotypes: H-1266720!, H-1266722!).

Protologue localities in Lindberg (1946): 1. [Cyprus], Lapithos, in declivi sicco; 2. [Cyprus], Lapithos, 31.5.1880, P. Sintensis n. 612, L). On labels the cited specimens are named *Origanum pseudo-onites* n[ova] sp. by Lindberg.

Synonym of *Origanum syriacum* L. (Meikle 1985: 1266), or of *O. syriacum* subsp. *bevanii* (Holmes) Greuter & Burdet (WCSP 2011). S.Z. Husain of the University of Reading, has studied the type specimens in 1983, and considered that they represent *O. onites* L.

***Ornithopus compressus* L. f. *brevicornis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 88 (1932)

Lectotype (designated here): Hispania [SPAIN], Sierra Morena, Santa Elena, in colle sicco juxta viam ferratam, 5 April 1926, *Harald Lindberg* 249 (H-1288383!, isolectotype: H-1288381!); lectoparatype: Hispania [SPAIN], prov. Cádiz, Algeciras, in colle sicco juxta oppidum, 15 April 1926, *Harald Lindberg* 527 (H-1288382!).

Protologue localities in Lindberg (1932): 1. H [Spain], Sierra Morena, Santa Eléna, in colle sicco juxta viam ferratam, 2. [H]ispania, Algeciras, in colle sicco juxta oppidum, 3. M[orocco], Atlas major, in rupe in convalle supra pagum Amismiz, 1200 m. On labels the cited specimens are named f. *brevicornis* m[ihi] by Lindberg. This form has not recently been recognised.

***Ornithopus compressus* L. f. *longicornis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 88 (1932)

Lectotype (designated here): [ITALY], Sicilia, Rometta pr. opp. Messina, in rupe, 1 May 1924, *Harald Lindberg* (H-1288394!), lectoparatype: [ITALY], Sicilia, Messina, in coll. calc. sicc., 2 May 1924, *Harald Lindberg* (H-1288393!).

Protologue locality in Lindberg (1932): S[icilia], Rometta prope oppidum Messina, in colle sicco, solo calcareo. On labels the cited specimens are named f. *longicornis* m[ihi] by Lindberg. This form has not recently been recognised

***Ornithopus sativus* Brot. f. *hebecarpus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 88 (1932)

Lectotype (designated here): MOROCCO occ., prope opp. Rabat, Kenitra, in silva Mamora, intr. *Querc. suber*, 2 May 1926, *Harald Lindberg* 1636 (H-1288440!).

Protologue locality in Lindberg (1932): M[orocco], Kenitra prope oppidum Rabat, in silva Mamora inter *Quercum suberem*, solo arenoso. On its label the cited specimen is named *O. isthmocarpus* Coss. f. *hebecarpus*! by Lindberg.

Identified as *Ornithopus isthmocarpus* Coss. var. *hebecarpus* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 895 (1934). The currently used species name is *Ornithopus sativus* subsp. *isthmocarpus* (Coss.) Dostál (ILDIS 2010). The epithet *hebecarpus* has not recently been recognised.



***Ornithopus sativus* Brot. f. *leiocarpus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 88 (1932), as ‘liocarpus’

Lectotype (designated here): MOROCCO occ., prope opp. Rabat, Kenitra, in silva Mamora, intr. *Querc. suber*, 2 May 1926, *Harald Lindberg 1635* (H-1288440!).

Protologue locality in Lindberg (1932): M[orocco], Kenitra prope oppidum Rabat, in silva Mamora inter *Quercum suberem*, solo arenoso. On its label the cited specimen is named f. *leiocarpus*! by Lindberg.

Identified as *Ornithopus isthmocarpus* Coss. var. *leiocarpus* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 895 (1934) ‘liocarpus’. The epithet has not recently been applied.

***Oxalis acetosella* L. f. *albovenosa* H.Lindb.**, *Pl. Finland. Exs.* Fasc. 25 label no. 1231 (1933)

Lectotype (designated here): FINLAND, Karelia ladogensis, par. Parikkala, Huotikkala, Sikoharju, in silva umbrosa, 1 June 1916, *T. Hannikainen [Pl. Finland. Exs. 1231]* (H-393601!, isolectotypes: H-393737!, H-393738!).

Protologue given on printed label (Lindberg 1933). The name was published also in Hiitonen (1933), which was printed on 30 November 1933, most probably after the exsiccatae were released.

***Oxalis acetosella* L. f. *albovenea* H.Lindb. ex Hagfors**, *Luettelo Suom. Putkilokasveista*: 80 (1924), *nom. nudum*

***Pallensis spinosa* (L.) Cass. f. *minoriflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 166 (1932)

Lectotype (designated here): MOROCCO occ., Safi, in siccis, in cultis, 7 May 1926, *Harald Lindberg 1815* (H-1645209!).

Protologue localities in Lindberg (1932): 1. H [Spain], Gibraltar, loco saxoso sicco; 2. S[icilia], Sferracavallo prope Palermi, in cultis; 3. M[orocco], Safi, in siccis, in cultis. On its label the cited specimen is named f. *minoriflora*! by Lindberg. This form has not recently been recognised.

***Papaver rhoeas* L. var. *glabrescens* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 34 (1906f)

Lectotype (designated here): [BOSNIA AND HERZEGOVINA], Illyricum, Hercegovina, Mostar, in campo, arenoso sicco juxta oppidum una cum. typ, 29 May 1905, *Harald Lindberg* (H-1508972!).

Protologue locality in Lindberg (1906f): Herceg., Mostar, cum typo et varietate praecedente. On its label the cited specimen is named var. *glabrescens* m[ihi] by Lindberg. This variety has not recently been recognised.

***Paronychia echinata* Lam. var. *minutiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 47 (1932)

Lectotype (designated here): MOROCCO occ., prope opp. Rabat, in silva Mamora, solo aren., 2 May 1926, *Harald Lindberg 1609* (H-1248507!, isolectotype: MPU-009615).

Protologue locality in Lindberg (1932): M[orocco], Rabat, solo arenoso in silva Mamora. On labels the cited specimens are named var. *minutiflora* n[ova] var. by Lindberg. The currently used species name is *Paronychia echinulata* Chater (Fennane *et al.* 1999: 184, Valdés *et al.* 2002a: 164). This variety has not recently been recognised.

***Pastinaca sativa* L. var. *opaca* (Bernh.) H.Lindb. f. *glabior* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 81 (1906f), *nom. nudum*

***Phagnalon saxatile* (L.) Cass. subsp. *spathulatum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 166 (1932), as ‘*spathulata*’

Lectotype (designated here): MOROCCO occ., prope opp. Rabat, in rupe calc. arid., 4 May 1926, *Harald Lindberg 1722* (H-1433223!).

Protologue locality in Lindberg (1932): M[orocco], Rabat, in rupe calcarea arida juxta mare. On its label the cited specimen is named subsp. *spathulata* m[ihi] by Lindberg.

Identified as *Phagnalon calycinum* DC. subsp. *spathulatum* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 749 (1934), a synonym of *Phagnalon calycinum* DC. subsp. *spathulatum* (H.Lindb.) Maire (Valdés *et al.* 2002b: 649, Greuter 2006–2009).

***Pinguicula vulgare* Lam. subsp. *nevadensis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 142 (1932)

Lectotype (designated by Casper 1962): Hispania [SPAIN], Granada, Sierra Nevada, in turfosis humidis in decliv. supra Laguna de las Yeguas, c 2.600 m, 22 July 1926, *Harald Lindberg 912* (LD, isolectotype H-1631293!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in turfosis humidis in declivi supra Laguna de las Yeguas, c 2600 m. On label the cited specimen is named \**nevadensis* m[ihi] by Lindberg.

Identified as *Pinguicula nevadensis* (H.Lindb.) Casper, *Feddes Repert. Spec. Nov. Regni Veg.* 66: 112 (1962), which is currently used name.

***Pistacia atlantica* Desf. \*[subsp.] *cypricola* H.Lindb.**, *Årsbok-Vuosik. Soc. Sci. Fenn.* 20 B(7): 5 (1942)

Lectotype (designated here): CYPRUS, distr. Paphos, Yeroskipos, arbor vetusta, 20 July 1939, *Harald Lindberg* (H-1600285!, isolectotypes: H-1600284!, H-1600283!, H-1600286!).

Protologue locality in Lindberg (1942): [Cyprus], Distr. Paphos, Yeroskipos. Lindberg, H. 1946, fig. 16. On labels the cited specimens are tentatively named as *Pistacia cypricola* n[ova] sp. by Lindberg.

Identified as *Pistacia mutica* Fisch. & Mey \*[subsp.] *cypricola* (H.Lindb.) H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 22 (1946), a synonym of *P. atlantica* Desf. *sensu stricto* (Meikle 1985: 367). A figure was published in Lindberg (1946, fig. 16).

***Pisum elatius* M.Bieb. f. *album* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 88 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, loco umbroso in querceto ilicis vallis Tioumliline, c. 1400 m, 23 June 1926, *Harald Lindberg 4066* (H-1367874!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, loco umbroso in querceto ilicis vallis Tioumliline supra pagum Azrou, c. 1400 m. On the label the cited specimen is named f. *album* m[ihi] by Lindberg. The currently used name is *P. sativum* L. subsp. *elatius* (M.Bieb.) Aschers. & Graebn. (Fennane *et al.* 2007, Valdés *et al.* 2002a: 317).

***Plantago pseudoceratophylla* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 143 (1932)

*Nomen novum* for *P. coronopus* L. var. *ceratophylla* Fiori, *Fl. Analit. d'Italy*, V. III: 98 (1903–1904).

Synonym of *P. coronopus* L. (Marhold 2011e).

***Plantago pseudoceratophylla* H.Lindb. subsp. *panormitana* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 143, fig. 39a (1932)

Lectotype (designated here): [ITALY], Sicilia, Sferracavallo pr. opp. Palermo, in lit. mar. una c. *Pl. coronop.*, 24 April 1924, *Harald Lindberg* (H-1632943!).

Protologue locality in Lindberg (1932): S[icilia], Sferracavallo prope oppidum Palermo, in litore marino una cum *P. coronopus* L. var. *commutata* (Guss.) Crescens. On the label the cited specimen is named *P. pseudoceratophylla* \*[subsp.] *panormitana* by Lindberg. This subspecies has not recently been recognised.

***Platanthera holmboei* H.Lindb., Årsbok-Vuosik. Soc. Sci. Fenn. 20 B(7): 5 (1942) (Fig. 11)**

Lectotype (designated by Meikle 1985: 1510): CYPRUS, Khionistram juxta "Military Camp" (H-1321558!). Protologue locality in Lindberg (1942): [Cyprus], M. Troodos, in pineto (*P. pallasiana*) juxta "Military Camp". On label the cited specimen is named *Platanthera holmboei* n[ova] sp. by Lindberg. Figure was published in Lindberg (1946, fig. 6).

Identified as *Platanthera chlorantha* Cust. ex Rchb. subsp. *holmboei* (H.Lindb.) J.J.Wood, *Orchid Rev.* 88(1042): 122 (1980); *Platanthera montana* (F.W.Schmidt) Rchb.f. subsp. *holmboei* (H.Lindb.) J.J.Wood, *Orch. Rev.*: 88. (1980); *Platanthera montana* (F.W.Schmidt) Rchb.f. subsp. *holmboei* (H.Lindb.) Ströhle, *J. Eur. Orch.* 35(4): 834 (2003). Anders Nilsson has determined the type specimen as *P. chlorantha* (Cust.) Rchb. in 1981. *Platanthera holmboei* H.Lindb. is in current use (Meikle 1985, WCSP 2011).

***Poa sintenisii* H.Lindb., Årsbok-Vuosik. Soc. Sci. Fenn. 20 B(7): 5 (1942) (Fig. 12)**

Lectotype (designated here): CYPRUS, Troodos, in pineto (*P. Pallasiana*) juxta "Military Camp", in marg. viae, 22 June 1939, *Harald Lindberg* (H-1489431!; isolectotypes: H-1489424!, H-1489425!, H-1489430!); lectoparatypes: CYPRUS, Troodos, in campo in pineto juxta "Olympus Camp Hotel, 15 June 1939, *Harald Lindberg* (H-1489426!), CYPRUS, Troodos, inter "Olympus Camp Hotel" et Chionistra, in margine viae, 16 June 1938, *Harald Lindberg* (H-1489429!), CYPRUS, Troodos, in pineto juxta "Olympus Camp Hotel", 20 June 1939, *Harald Lindberg* (H-1489427!), CYPRUS, m. Troodos, in rupestribus in decliv. montis Chionistra, 17 June 1939, *Harald Lindberg* (H-1489428!).

Protologue locality in Lindberg (1942): In pineto (*P. pallasiana*) in m. Troodos. On labels the cited specimens are named *Poa sintenisii* n[ova] sp. by Lindberg. A figure was published in Lindberg (1946, fig. 3).

The typification statements by Bor (1968: 468) and by Meikle (1985: 1747), CYPRUS, Troodos, June 20, 1880, *Sintenis 881* (LD, K), refer to a later publication of Lindberg (1946). This locality citation is not given in original protologue.

Identified as *Lindbergia sintenisii* (H.Lindb.) N.L.Bor, *Svensk Bot. Tidskr.* 62: 467 (1968); *Lindbergella sintenisii* (H.Lindb.) N.L.Bor, *Svensk Bot. Tidskr.* 63: 369. (1969), the latter one of which is in current use (Meikle 1985: 1747, 1897, WCSP 2011).

***Polygonum foliosum* H.Lindb., Meddel. Soc. Fauna Flora Fennica 27: 3 (1900e ) (Fig. 13)**

Lectotype (designated by Ekman & Knutsson 1994: 23): FINLAND, Nyland, Borgå, Maren, 12 September 1889 [1889], *Harald Lindberg* (H-787137!, isolectotypes: H-767098!, H-787099!, H-767100!, H-767138!).

Lindberg (1900e ) mentioned nearly 50 syntype sheets, which are not repeated here.

Identified as *Polygonum minus* Huds. \*[subsp.] *foliosum* (H.Lindb.) Cajander, *Melan Suom. Kasvio*: 224 (1906); *Pericaria foliosa* (H.Lindb.) Kitag., *Rep. Inst. Sci. Res. Manchoukuo* 1: 321 (1937), the latter of which is in current use (Hämet-Ahti 1998).

***Polygonum serrulatoides* H.Lindb., Acta Soc. Sci. Fenn., Ser. B, Opera Biol. 1(2): 40, fig. 12 (1932), nomen novum for *Polygonum salicifolium* Delile, *Fl. Egypt.*: 12 (1814), nom. illeg., non *P. serrulatoides* Brouss ex Willd.**

*Persicaria salicifolia* (Brouss. ex Willd.) Assenov is the name currently in use for this species.

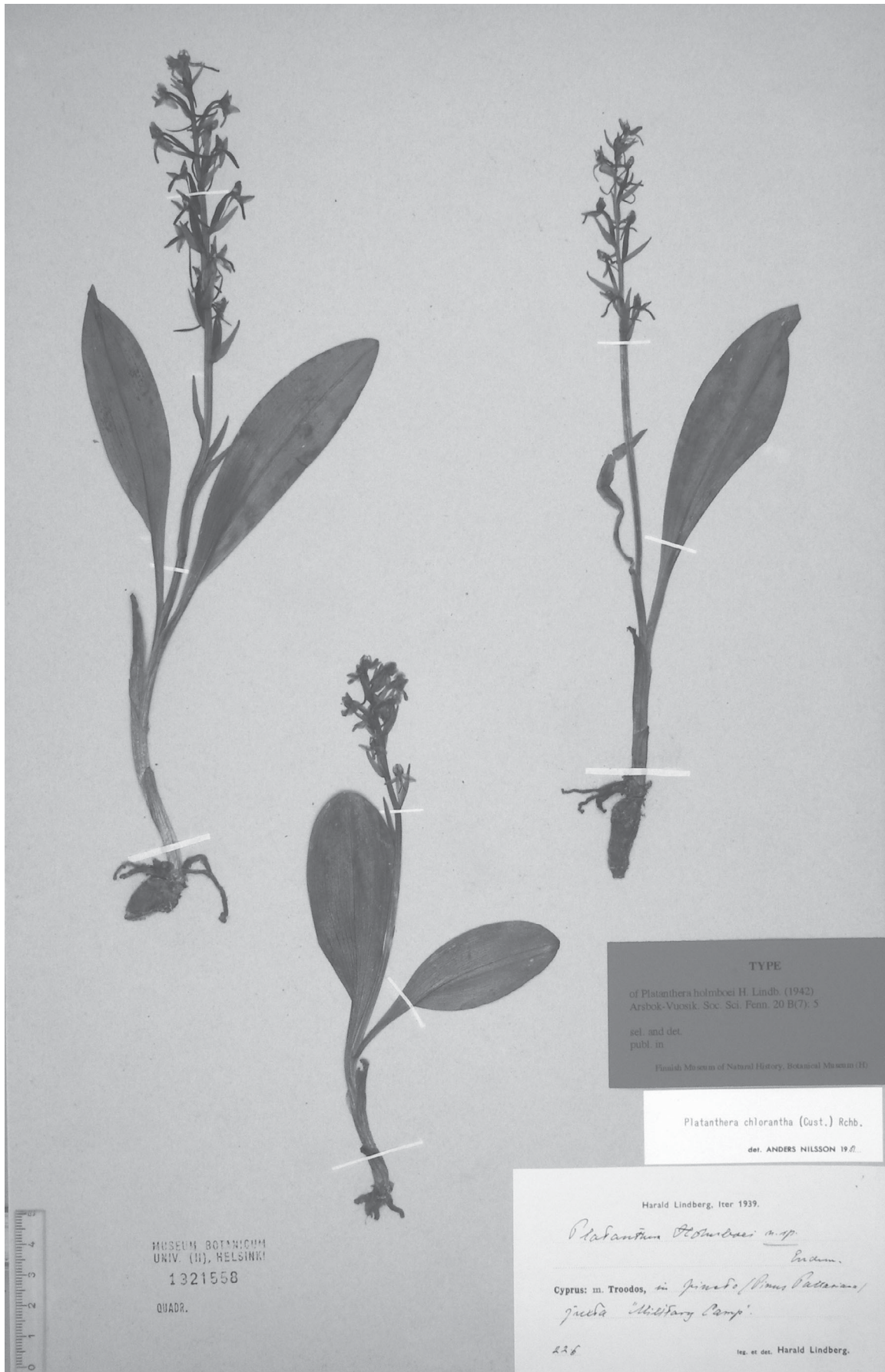


FIGURE 11. Lectotype of *Platanthera holmboei* (Orchidaceae)



FIGURE 12. Lectotype of *Poa sintensisii* (Poaceae)

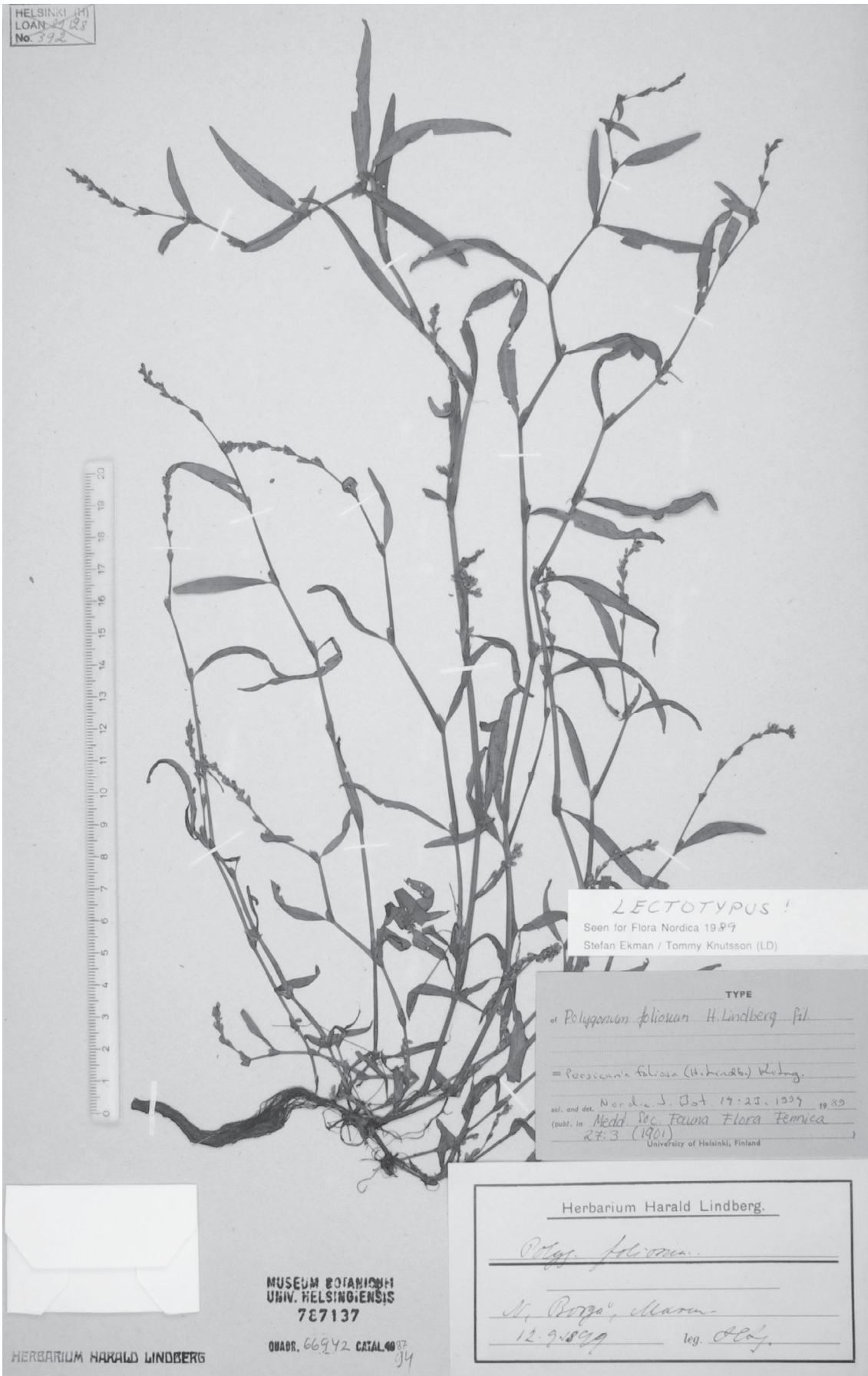


FIGURE 13. Lectotype of *Polygonum foliosum* (Polygonaceae)

***Polygonum serrulatoides* H.Lindb. var. *pseudohydropiper* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 40, fig. 12 (1932).

Lectotype (designated here): MOROCCO bor., prope opp. Tanger, in ripa rivuli, 25 April 1926, *Harald Lindberg 1290* (H-1244842!, isolectotype: H-1244843!); lectoparatype: MOROCCO bor., prope opp. Tanger, m. Djebel Kebir, loc. humid, 15 July 1926, *Harald Lindberg 1563* (H-1244841!).

Protologue locality in Lindberg (1932): M[orocco], Tanger, loco humido in monte Djebel Kebir, et in ripa rivuli juxta oppidum. On labels the cited specimens are named *Polygonum tingitanum* n[ova] sp. by Lindberg, a synonym of *Persicaria salicifolia* (Brouss. ex Willd.) Assenov *sensu stricto* (det J. Sarvela 1978 as *Polygonum salicifolium*).

***Potentilla hispanica* Zimm. f. *sericea* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 74 (1932)

Original material not found.

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, in rupe subsicca et in rupe hunida juxta flumen sputa pagum Arround, c. 2.100 m.

***Potentilla hispanica* Zimm. f. *viridis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 74 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, in rupe humid. juxta fl., supra pag. Arround, c. 2100 m 9 May 1926, *Harald Lindberg 3744* (H-1361021!, isolectotypes: K!, MPU-009685!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, in rupe subsicca et in rupe hunida juxta flumen sputa pagum Arround, c. 2100 m. *Potentilla hispanica* is in current use (Kurtto 2009). The specimen at K has been identified as *Potentilla* × *ibrahimiana* Maire. This form has not recently been recognised.

***Potentilla hispanica* Zimm. var. *longepilosa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 74 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope pag. Azrou, in colle sicco in silva, c. 1600 m, 24 June 1926, *Harald Lindberg 4372* (H-1537639!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el-Ma prope Azrou, in colle sicco in silva, c. 1600 m. On the label the cited specimen is named var. *longepilosa* n. var. by Lindberg. This variety has not recently been recognised.

***Prunus padus* L. f. *petalis latioribus* H.Lindb.**, *Pl. Finland. Exs. Fasc. 25*: label no. 1206 (1933). The words *petalis latioribus* are descriptive.

***Prunus padus* L. f. *petalis angustioribus* H.Lindb.**, *Pl. Finland. Exs. Fasc. 25*: no. 1207 (1933). The words *petalis angustioribus* are descriptive.

***Pseudorlaya pycnacantha* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 112, fig. 29b (1932)

Lectotype (designated here): MOROCCO occ, Casablanca, in litore arenoso juxta oppidum, una cum *P. maritima* (L.), 6 May 1926, *Harald Lindberg 1754* (H-1393563!, isolectotypes: H-1393562!, MPU-009611).

Protologue locality in Lindberg (1932): M[orocco], Casablanca, in litore arenoso juxta oppidum, una cum *P. pumila* (L.) crescens. On labels the cited specimens are named *Pseudorlaya pycnacantha* n[ova] sp. by Lindberg. In the legend of figure 29b this genus was erroneously given as *Daucorlaya*. *Pseudorlaya pycnacantha* is in current use (Valdés *et al.* 2002a: 469).

***Psoralea bituminosa* L. f. *atripilosa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 88 (1932)

Lectotype (designated here): [TUNISIA], Tunetia borealis, Hammam-el-Lif pr. opp. Tunis, in marg. viae, 31.III.1924, *Harald Lindberg* (H-1499270!).

Protologue locality in Lindberg (1932): T[unisia], Tunetia borealis, Hammam-el-Lif prope oppidum Tunis, in margine viae. On the label the cited specimen is named f. *atripilosa* m[ihi] f. by Lindberg. The name currently in use is *Bituminaria bituminosa* (L.) C.H. Stirt. (ILDIS 2010). This form has not recently been recognised.

***Pterocephalus papposus* (L.) Coult. var. *luteiflorus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 33 (1946)

Lectotype (designated here): CYPRUS, distr. Kyrenia, Boghazi, in declivi lapidosa in valle rivuli supra opp. Kyrenia, 11 June 1939, *Harald Lindberg* (H-1427189!); lectoparatypes: CYPRUS, distr. Kyrenia, Ayios Hilarion, in rupestribus siccis, 7 June 1939, *Harald Lindberg* (H-1754469!); CYPRUS, distr. Nicosia, Athalassa pr- opp. Nicosia, in lapidosis siccis, 6 June 1939, *Harald Lindberg* (H-1427190!).

Protologue localities in Lindberg (1946): 1. [Cyprus], Ayios Hilarion, in rupestribus siccis; 2. [Cyprus], Boghazi, in declivi lapidosa in valle rivuli supra opp. Kyrenia; 3. [Cyprus], Athalassa prope opp. Nicosia, in lapidosis siccis. On labels the cited specimens are named var. *luteiformis* m[ihi] by Lindberg. Synonym of *Pterocephalus brevis* Coult. (Meikle 1985: 859).

***Puccinellia embergeri* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 22, fig. 5 (1932)

Lectotype (designated here): MOROCCO occ., prope opp. Rabat, in litore, 4 May 1926, *Harald Lindberg* 1707 (H-1057540!, isolectotypes: 1054071!, MPU-009619).

Protologue locality in Lindberg (1932): M[orocco], Rabat, in litore juxta oppidum. On labels the cited specimens are named *Puccinellia embergeri* n[ova] sp. by Lindberg.

Identified as *Atropis distans* subsp. *embergeri* (H.Lindb.) Maire & Weiller, in Maire, *Bull. Soc. Hist. Nat. Afrique N.* 24: 231. (1933); *P. distans* subsp. *embergeri* (H.Lindb.) Maire & Weiller, in Emb. & Maire, *Cat. Pl. Maroc* 4: 939. (1941). Synonym of *Puccinellia iberica* (Wolley-Dod) Tzvelev (Valdés *et al.* 2002b, Valdés & Scholz 2009), or of *P. distans* (Jacq.) Parl. (WCSP 2011).

***Pulsatilla vernalis* var. *albescens* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 22: 77 (1896)

Lectotype (designated here): FINLAND [EK, Karelia australis], par. Sippola, Kaipias [Kaipiainen], una c. typ., 14 May 1896, *Hilda Liljedal* (H-799337!); lectoparatype: 5 May 1896 (H-819957!).

Protologue locality in Lindberg (1896): Kaipias. On the label the cited specimen is named var. *albescens* n. var by Lindberg.

Identified as *Pulsatilla vernalis* f. *albescens* (H.Lindb.) Cajander, in *Melan Suom. Kasvio*: 272 (1906). This variety has not recently been recognised.

***Pyrola rotundifolia* L. f. *pallida* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 839]: 115 (1916b)

Lectotype (designated here): FINLAND, Nylandia, par. Kyrkslätt, umbroso loco in silva promontorii in lacu Humaljärvi, 9 July 1908, *Harald Lindberg* [*Pl. Finland. Exs.* 839] (H-414128!).

Protologue given on printed label (Lindberg 1916b).

***Pyrus aria* (L.) Ehrh. \*[subsp.] *tergestina* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 45 (1906f)

Lectotype (designated here): [ITALY], Illyricum, Istria, Triest, Mt. Spaccato, Kassb., 2 May 1905, *Harald Lindberg* (H-1248507!).



Protologue locality in Lindberg (1906f): No collection locality is given. On the label the specimen is given as *Sorbus aria* \*[subsp.] *tergestina* m[ihi] by Lindberg. In 1971 Leena Hämet-Ahti identified the lectotype as *Sorbus aria* (L.) Crantz subsp. *lanifera* (A.Kerner) Jav.

***Quercus pedunculata* var. *laciniata* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 22: 76 (1896), *nom. nudum*

***Ranunculus auricomus* L. f. *typicus* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 27: 66 (1901), *nom. nudum*

***Ranunculus baudotii* Godr. f. *fluitans* Gren & Gordr. subf. *pedicellatus* H.Lindb.** in Hjelt, *Acta Soc. Fauna Fl. Fenn.* 30: 218 (1906), as 'pedicellata'

Lectotype (designated here): FINLAND, Al [Alandia], par Eckerö, grund hafsvik vid Käringsund, 6 July 1892, *Harald Lindberg* (H-281735!).

Protologue locality in Hjelt (1906), translated from Swedish: "this subform is most typical at Alandia". On label the cited specimen is named f. *pedicellata* by Lindberg.

Identified as *R. baudotii* Godr. subsp. *baudotii* f. *pedicellatus* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 350 (1933). This form has not been recently been accepted.

***Ranunculus paucistamineus* Tausch var. *typicus* H. Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 1–8 [no. 218a]: 69 (1906g), *nom. inval.*

***Ranunculus paucistamineus* Tausch var. *typicus* H.Lindb. f. *submersus* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 1–8 [no. 218b]: 69 (1906g), *nom. nudum*

***Ranunculus paucistamineus* Tausch var. *typicus* H.Lindb. f. *submersus* H.Lindb.**, *Acta Soc. Fauna Fl. Fenn.* 30: 221 (1906g), as 'submersa', *nom. nudum*

"*R. paucistamineus* Tausch mf. *submersus* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 352 (1933)".

The combination by Hiitonen is not a formal taxonomic rank. By mf. he meant that this is an environmental modification, which is agreed here.

***Ranunculus paucistamineus* Tausch var. *typicus* H.Lindb. f. *terrestris* H.Lindb.**, *Acta Soc. Fauna Fl. Fenn.* 30: 222 (1906g), *nom. nudum*

"*R. paucistamineus* Tausch mf. *terrester* (H.Lindb.) Hiitonen, in *Suom. Kasvio*: 352 (1933)".

The combination by Hiitonen is not a formal taxonomic rank. By mf. he meant that this is an environmental modification. This is agreed here.

***Ranunculus paucistamineus* Tausch β[*var.*] *drouetii* (Schultz) H.Lindb. f. *fluitans* H.Lindb.** in Hjelt, *Acta Soc. Fauna Fl. Fenn.* 30: 222 (1906).

Lectotype (designated here): FINLAND, Ab [Regio Aboënsis], Nummi, Rättlax, in rivulo in Hiidenvesi fluente, August 1903, *J. A. Wecksell* (H-358030!).

Protologue localities in Hjelt (1906): Fennia, Ab [Regio Aboënsis], 1. Nummi, Rättlax, in rivulo Hiidenvesi fluenti; 2. Vihti, in rivulo ad Haapkylä, Kopu, ad Hiidenvesi, Saelan!; 3. Vihti, in rivulo, qui ad Kopu in lacum Hiidenvesi influit, in aqua vix fluenti, Wecksell!; 4. Vihti, C. A. Långström!; 5. Vihti, R. C. v. Rehausen!

"*R. paucistamineus* Tausch var. *drouetii* (F. Schultz) M. & C. mf. *fluitans* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 352 (1933)".

The combination by Hiitonen is not a formal taxonomic rank. By mf. he meant that this is an environmental modification. This is agreed here. The lectotype is *R. aquatilis* L. var. *aquatilis* (det. Bengt Jonsell 1998).

***Ranunculus paucistamineus* Tausch  $\beta$ [var.] *drouetii* (Schultz) H.Lindb. f. *fluviatilis* H.Lindb., *Acta Soc. Fauna Fl. Fenn.* 30: 223 (1906), *nom. nudum***

***Ranunculus paucistamineus* Tausch  $\beta$ [var.] *drouetii* (Schultz) H.Lindb. f. *fluviatilis* H.Lindb., *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 655]: 67 (1916b), *nom. nudum***

“*R. paucistamineus* Tausch var. *drouetii* (F. Schultz) M. & C. mf. *fluviatilis* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 352 (1933)”.

The combination by Hiitonen is not a formal taxonomic rank. By mf. he meant that this is an environmental modification. This is agreed here.

***Ranunculus paucistamineus* Tausch \*[subsp.] *eradicatus* Laest. f. *submersus* H.Lindb. in Hjelt, *Acta Soc. Fauna Fl. Fenn.* 30: 225 (1906), as ‘submersa’, *nom. nudum***

***Ranunculus paucistamineus* Tausch subsp. *eradicatus* (Laest.) H.Lindb. f. *submersus* H.Lindb., *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 656]: 67 (1916b), as ‘submersa’, *nom. nudum***

”*R. confervoides* (Fr.) Fr. mf. *submersus* (H.Lindb.) Hiitonen, in *Suom. Kasvio*: 352 (1933)”.

The combination by Hiitonen is not a formal taxonomic rank. By mf. he meant that this is an environmental modification, which is agreed here.

***Ranunculus paucistamineus* Tausch \*[subsp.] *eradicatus* Laest. f. *natans* H.Lindb. in Hjelt, *Acta Soc. Fauna Fl. Fenn.* 30: 227 (1906)**

Lectotype (designated here): [RUSSIA]. Kuusamo [Ks/Rs], Paanajärvi, 30 July 1898, *Justus Montell* (H-035541!).

Protologue locality in Hjelt (1906): [Russia], Kuus[amo], Paanajärvi, Montell. On the label the cited specimen is named f. *fol. natans* by Lindberg.

“*R. confervoides* (Fr.) Mela & Cajander mf. *natans* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 352 (1933)”.

The combination by Hiitonen is not a formal taxonomic rank. By mf. he meant that this is an environmental modification. This is agreed here. Synonymous to *Ranunculus confervoides* (Fr.) Fr.

***Ranunculus paucistamineus* Tausch \*[subsp.] *eradicatus* Laest. f. *terrestris* H.Lindb. in Hjelt, *Acta Soc. Fauna Fl. Fenn.* 30: 227 (1906), *nom. nudum***

”*R. confervoides* (Fr.) Mela & Cajander mf. *terrester* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 352 (1933)”.

The combination by Hiitonen is not a formal taxonomic rank. By mf. he meant that this is an environmental modification. This is agreed here.

***Ranunculus ficaria* L. var. *obtusissimus* H.Lindb., *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 666]: 70 (1916b)**

Lectotype (designated here): FINLAND, Satakunta, par. Loimaa, Ruivokoski, una cum typo in nemore, 24 May 1913, *M. Sauramo* [*Pl. Finland. Exs.* 666] (H-244570!).

Protologue given on printed label (Lindberg 1916b). Additional material from type locality was collected in

1917 by M. Sauramo. It was distributed later as *Pl. Finland. Exs. no. 1947*. This variety has not recently been recognised.

***Ranunculus peltatus* Schrank f. *typica* H.Lindb.** in Hjelt, *Acta Soc. Fauna Fl. Fenn.* 30: 228 (1906), *nom. inval.*

***Ranunculus peltatus* Schrank var. *septentrionalis* H.Lindb.** in Hjelt, *Acta Soc. Fauna Fl. Fenn.* 30: 228 (1906)

Lectotype (designated here): FINLAND, Ab [Regio Aboënsis], par. Lojo [Lohja], lac. Hormasjö [Hormajärvi], 17 July 1881, *Harald Lindberg* (H-189868!).

Protologue localities in Hjelt (1906): Finland, Ab, fq in Lojo in lacu Horma. Many additional syntype localities were cited from continental Finland, which are not repeated here. On the label the cited specimen is named *Batrachium heterophyllum*. Lindberg stated explicitly (Hjelt 1906), that only var. *septentrionale* occurs in inland water systems of Finland. This variety is a synonym of *R. peltatus* subsp. *peltatus*.

***Ranunculus repens* f. *hirsutus* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 34: 157 (1908), as 'hirsuta', *nom. nudum*

***Ranunculus troodi* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 16, fig. 11 (1946)

Lectotype (designated here): CYPRUS, m. Troodos, Kykko, Vrysi, loco humido juxta fontem, 15 July 1939, *Harald Lindberg* (H-1346420!, isoelectotypes: H-1346417!, H-1346418!); lectoparatype: CYPRUS, m. Troodos, Platania, loco arenoso humido in margine viae, 18 June 1939, *Harald Lindberg* (H-1346419!).

Protologue localities in Lindberg (1946): 1. [Cyprus], M. Troodos, Platania, loco arenoso humido in margine viae; 2. [Cyprus], Kykko, Vrysi, loco humido juxta fontem. On labels the cited specimens are named *Ranunculus troodi* n[ova] sp. by Lindberg, a synonym of *R. marginatus* Urv. var. *trachycarpus* (Fisch. & Mey.) Azn. (Meikle 1977: 65).

***Ribes grossularia* L. subsp. *atlantica* (Ball.) H.Lindb. f. *glanduligera* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 72 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, Fimelil, in lapidosis in marg. viae, c. 1700 m, 8 June 1926, *Harald Lindberg* (H-1514730!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, Fimelil, in lapidosis in margine viae in pago, c. 1700 m. On the label the cited specimen is named v. *glanduligera*! by Lindberg.

Identified as *R. uva-crispa* L. var. *gladuligerum* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 889 (1934). Fennane *et al.* (1999: 480) accepted the name as a variety, but it was not recognised by Valdés *et al.* (2002a). It is a synonym of *R. uva-crispa* L. (*Flora Iberica* 2011d).

***Ribes nigrum* L. f. *incisum* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 429 (1933)

Lectotype (designated here): FINLAND, Ik [Isthmus karelicus], par. Pyhäjärvi, in nemore juxta lacum prope pag. Larjava, 30 June 1894, *Harald Lindberg* (H-368552!, isoelectotype: H-368553!).

Protologue locality in Hiitonen (1933): [Finland, now Russia], Ik [Isthmus karelicus]. On labels the cited specimens are named f. *incisa*! by Lindberg. This form has not recently been recognised.

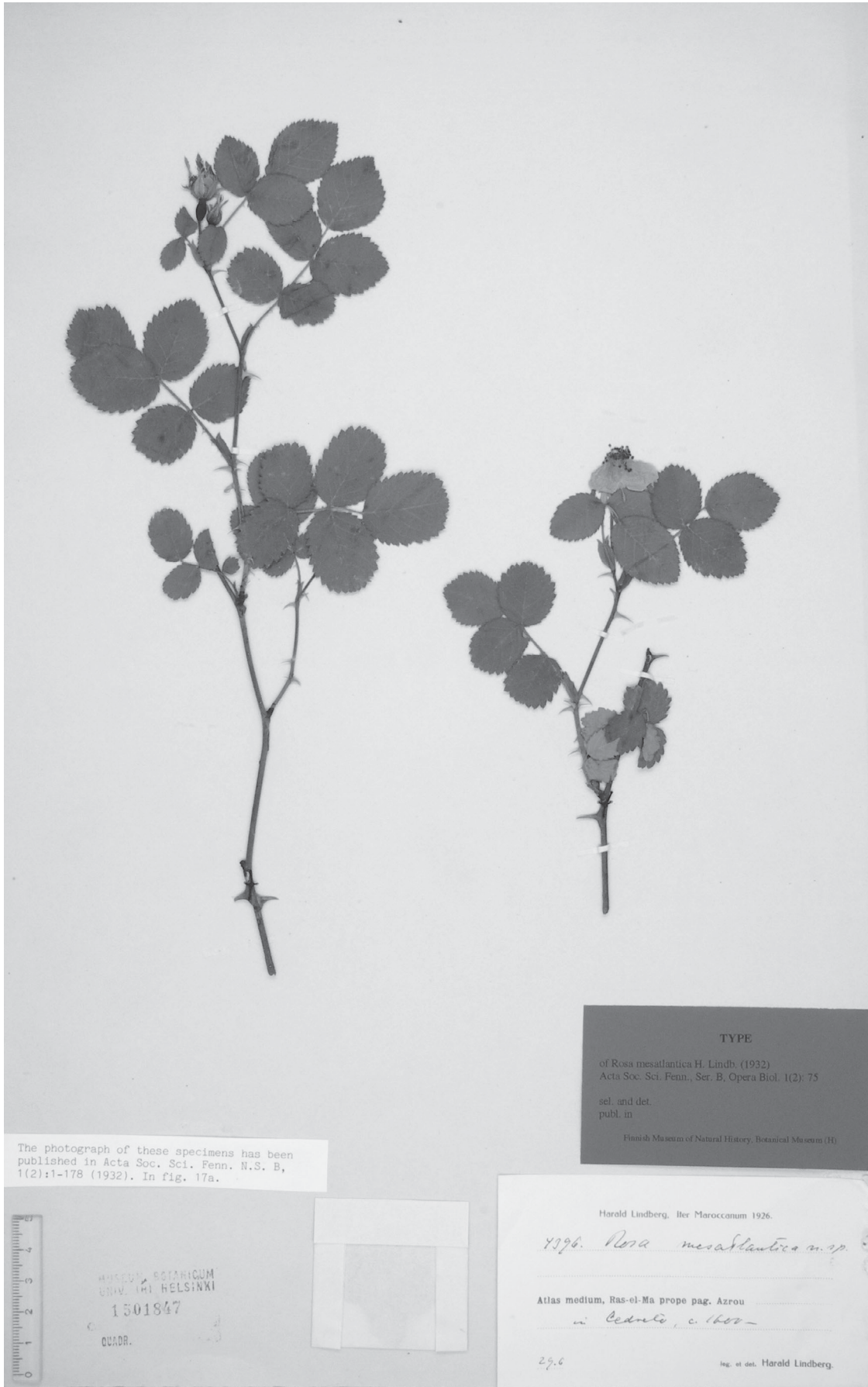


FIGURE 14. Lectotype of *Rosa mesatlantica* (Rosaceae)

***Rosa chionistrae* H.Lindb.**, *Årsbok-Vuosik. Soc. Sci. Fenn.* 20 B(7): 5 (1942)

Lectotype (Meikle 1977: 625; second-step lectotype designated here): CYPRUS, m. Troodos, in glareosis in caucumine *Chionistra*, 1950 m, 17 June 1939, *Harald Lindberg* (H-1500453!, isolectotypes: H-1500452!, K). Protologue locality in Lindberg (1942): [Cyprus], in glareosis in caucumine *Chionistra montis Troodos*. On labels the cited specimens are named *Rosa chionistrae* n[ova] sp. by Lindberg. A figure was published by Lindberg (1946, fig. 13).

The typification statement by Meikle (1977: 625) refers to two gatherings. The second-hand lectotype is designated under Art. 9.15 (McNeill *et al.* 2006). It is a synonym of *R. agrestis* Savi (Kurtto *et al.* 2004, Kurtto 2009).

***Rosa mesatlantica* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 75, fig. 17 (1932) (**Fig. 14**)

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma prope pagum Azrou, in cedreto, c. 1600 m, 29 June 1926, *Harald Lindberg* 4396 (H-1501847!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, in cedreto, c. 1600 m. On the label the cited specimen is named *Rosa mesatlantica* n[ova] sp. by Lindberg. *Rosa mesatlantica* H.Lindb. is in current use (Fennane *et al.* 1999: 501, Kurtto 2009).

[***Rubus arcticus* L. × *saxatilis* L.] f. *perarcticus* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 28A: 38 (1902), *nom. inval.*

According to Art. 24.1, this name is illegitimate: The name of an infraspecific taxon is a combination of the name of a species and an infraspecific epithet (McNeill *et al.* 2006).

[***Rubus arcticus* L. × *saxatilis* L.] f. *persaxatilis* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 28A: 38 (1902), *nom. inval.*

According to Art. 24.1, this name is illegitimate: The name of an infraspecific taxon is a combination of the name of a species and an infraspecific epithet (McNeill *et al.* 2006).

***Rubus* × *binatus* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 35: 143, Tab. 3 (1909)

Lectotype (designated here): [RUSSIA, Kuusamo], Kenttijärvi, Havananvaara, bergsklyfta [crack on rock], 29 July 1908, *Widar Brenner* (H-036800!).

Protologue locality in Lindberg (1909): Finlandia borealis, in monte Havananvaara prope Kenttijärvi paroeciae Kuusamo, 29 July 1908, *Widar Brenner* (H). On the label the cited specimen is named *R. binatus* n. hybr. by Lindberg. This is *R. arcticus* × *idaeus* = *R. binatus*.

***Rubus* × *digeneus* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 35: 142, Tabs. 1, 2 (1909)

Lectotype (designated here): [FINLAND], Ok [Ostrobothnia kajanensis], Suomessalmi, ad pedes jugi Korkealainen prope Syväjärvi prope templum, 1908, *O. Kyyhkynen* (H-009679!, H-009681!).

Protologue locality in Lindberg (1909): Finlandia borealis, Ostrobothnia Kajanensis, ad pedes jugi Korkalainen prope templum paroeciae Kajanensis, 1908, *O. Kyyhkynen*. On labels the cited specimens are named *R. digeneus* n. hybr.! by Lindberg.

At H there are 4 sheets (fol.1, 2, 3 and 5) on which the labels are written in Finnish: Ok, Suomussalmi, Korkealaisen Särkän juurella Syväjärven puolella, Kirkonk., 1908, *O. Kyyhkynen* (H-009676!, H-009678!, H-009680!, H-009682!). Fol. 1 (H-009682) is marked by Lindberg as *R. digeneus* n. hybr. These sheets

probably all belong to the type material, since their localities are identical. The lectotype sheets are cross-labelled by fol. 1 and fol. 2. This is *R. idaeus* × *saxatilis* = *R.* × *digeneus*. This hybrid was distributed in *Pl. Finland. Exs.* as number 718, collected at the type locality in 1909 by O. Kyyhkynen.

***Rubus idaeus* L. f. *longisepalus* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1976]: 257 (1944), as ‘longisepala’

Lectotype (designated here): FINLAND, Regio Aboënsis, par. Lojo [Lohja], ins. Jalassaari, in marginae silvae frondosae juxta villulam Ekeberga, 16 June 1936, *Harald Lindberg* [*Pl. Finland. Exs.* 1976] (H-299285!, isolectotype: H-299388!).

Protologue given on printed label (Lindberg 1944). This form has not recently been recognised.

***Rumex conglomeratus* Murr. subsp. *nevadensis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 41, fig. 16 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, loco paludoso supra monasterium, c. 1500 m, 23 July 1926, *Harald Lindberg* 1049 (H-1149095!, isolectotype: H-1149096!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, loco paludoso supra monasterium, c. 1500 m. On labels the cited specimens are named subsp. *nevadensis* n[ova] subsp. by Lindberg. This subspecies has not recently been recognised.

***Sagina nevadensis* Boiss. Reut. f. *glanduligera* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 48 (1932)

Lectotype (designated here): Hispania [SPAIN], Granada, Sierra Nevada, in turfosis reg. alp. juxta rivul. infra Laguna de las Yeguas, 22 July 1926, *Harald Lindberg* 953 (H-13350016!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in turfosis regionis alpinae juxta rivulum infra Laguna de las Yeguas, c. 2300 m. On the label the cited specimen is named f. *glanduligera*! by Lindberg. This form has not recently been recognised.

***Sagina nodosa* (L.) Fenzl. var. *glandulosa* (Bess.) H.Lindb. f. *glaberrima* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 9–20 [no. 624]: 59 (1916b), nom. nudum

[***Salix livida* Wahlenb. × *xerophila* Flod.] f. *monstrosa* H.Lindb.**, *Pl. Finland. Exs. Fasc.* 23: no. 1119 (1933), nom. inval.

According to Art. 24.1, this name is illegitimate: The name of an infraspecific taxon is a combination of the name of a species and an infraspecific epithet (McNeill *et al.* 2006).

***Salix nigricans* Sm. f. *latifolia* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1868]: 232 (1944), nom. nudum

***Salvia grandiflora* Etling. f. *albiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 29 (1946), nom. nudum

***Salvia triloba* L. fil. var. *subhastata* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 94 (1906f)

Lectotype (designated here): [CROATIA], Illyricum, Dalmatia, ins. Lissa [Vis], Comisa, in saxosis apricis, 19 May 1905, *Harald Lindberg* (H-1412537!, isolectotypes: H-1412536!, H-1412538!).

Protologue locality in Lindberg (1906f): Dalm., insula Lissa, Comisa, in saxosis apricis. On labels the cited specimens are named var. *subhastata* m[ihi] by Lindberg. This variety has not recently been recognised.

***Santolina pectinata* Lag. subsp. *subclausa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 167, fig. 42 (1932).

Lectotype (designated here): MOROCCO, Atlas medium, Ras-el-Ma, prope pag. Azrou, in campo sicco in margine cedreti, c. 1600 m, 24 June 1926, *Harald Lindberg* 4252 (H-1436604!, isoelectotypes: H-1436602!, MPU-009602, MPU-009603); lectoparatype: MOROCCO, Atlas medium, Ras-el-Ma, prope pag. Azrou, in campo sterile in margine cedreti, 29 June 1926, *Harald Lindberg* 4431 (H-1436603!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, in campo sicco sterili margine cedreti, c. 1600 m. On labels the cited specimens are named \*[subsp.] *subclausa* n[ova] subsp. by Lindberg.

Identified as *Santolina rosmarinifolia* L. subsp. *pectinata* (Lag.) Maire var. *subclausa* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 760 (1934), a synonym of *S. rosmarinifolia* L. subsp. *pectinata* (Lag.) Maire (Valdés *et al.* 2002b: 659), or of *S. pectinata* Lag. (Greuter 2006–2009).

***Satureja acinos* (L.) Scheele f. *albiflora* H.Lindb. ex. Hiitonen**, *Suom. Kasvio*: 603 (1933)

Lectotype (designated here): [RUSSIA] Ik [Isthmus karelicus], par. Rautus, in colle arido arenosque supra pag. Rautus, una cum typo, 10 August 1897, *Harald Lindberg* (H-426626!, isoelectotypes: H 426627!, H 426628!).

Protologue localities in Hiitonen (1933): 1. [Finland], Ab [Regio aboensis], 2. [Finland], Ik [Isthmus karelicus]. On labels the cited specimens are named both var. and f. *albiflora* by Lindberg.

***Satureja crassinervis* H.Lindb.**, *Årsbok-Vuosik. Soc. Sci. Fenn.* 20 B(7): 5 (1942)

Lectotype (designated here): CYPRUS, m. Troodos, in lapidosis ad radicem caucumine Chionistra, 16 June 1939, *Harald Lindberg* (H-1618485!).

Protologue locality in Lindberg (1942): [Cyprus], M. Troodos, ad radicem cacuminis Chionistra lecta est. On the label the cited specimen is named *Satureja crassinervis* n[ova] sp. by Lindberg.

A figure was published by Lindberg (1946, fig. 21). The species is a synonym of *Acinos exiguus* (Sm.) Meikle (Meikle 1985: 1281), or of *Clinopodium graveolens* (M.Bieb.) Kuntze subsp. *graveolens* (WCSP 2011).

***Satureja alpina* (L.) Scheele var. *granatensis* (Bois. & Reut.) H.Lindb. f. *macrantha* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 131 (1932).

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Reraïa. prope pag. Asni, in rup. calc. juxta flumen, c. 1200 m, 31 May 1926, *Harald Lindberg* 3284 (H-1618401!); lectoparatypes: MOROCCO, Atlas Magnum, in convalle fl. Reraïa. prope pag. Asni, in lapidosis siccis prope deversorium, c. 1200 m, 29 May 1926 *Harald Lindberg* 3369 (H-1618402!), MOROCCO, Atlas Medium, prope pag. Azrou, in decliv. sicc. saxosis vallis Tiouliline, c. 1400 m, *Harald Lindberg* 4071 (H-1618399!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Reraïa, in rupe calcareo, juxta flumen prope pagum Asni, c. 1200 m; 2. [Morocco], in lapidosis siccis prope deversorium La bonne Auberge prope pagum Asni, c. 1200 m; 3. [Morocco], in declivibus siccis lapidosis juxta flumen Imminen, c. 1300 m; 4. [Morocco], Atlas medius, in declivibus siccis lapidosis vallis Tioumliline supra pagum Azrou, c. 1400 m. On labels the cited specimens are named f. *macrantha*! by Lindberg.

Identified as *Satureja alpina* (L.) Scheele var. *macrantha* (H.Lindb) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 567 (1934). The currently used species name is *Clinopodium alpinum* (L.) Kuntze (WCSP 2011). The epithet *macrantha* has not recently been recognised.

*Scirpus eupaluster* H.Lindb., *Acta Soc. Fauna Fl. Fenn.* 23(7): 5 (1902a), *nom. inval.*

*Scirpus eupaluster* H.Lindb. f. *nulliseta* H.Lindb., *Acta Soc. Fauna Fl. Fenn.* 23(7): 5 (1902a)

Lectotype (designated here): [FINLAND], Ostrobothnia borealis, Torneå [Tornio], 18[40–50], *Fr. Hellström* (H-318934!).

Protologue locality in Lindberg (1902a): Finnl., Ostrob. bor., Torneå, Fr. Hellström. On the label the cited specimen is named *S. eupaluster* f. *defecta*! by Lindberg, a synonym of *Eleocharis palustris* (L.) Roem. & Schult.

*Scirpus eupaluster* H.Lindb. f. *subnulliseta* H.Lindb., *Acta Soc. Fauna Fl. Fenn.* 23(7): 5 (1902a)

Lectotype (designated here): [FINLAND], Ostrobothnia borealis, Uleåborg [Oulu], 18[40–50], *W. Nylander* (H-318933!).

Protologue locality in Lindberg (1902a): Finnl., Ostrob. bor., Uleoborg, W. Nylander. On labels this specimen is named *S. eupaluster* f. *defecta*! by Lindberg, a synonym of *Eleocharis palustris* (L.) Roem. & Schult.

*Scirpus eupaluster* H.Lindb. f. *typica* H.Lindb., *Acta Soc. Fauna Fl. Fenn.* 23(7): 5 (1902a), *nom. nud., inval.*

*Scirpus mamillatus* H.Lindb., *Acta Soc. Fauna Fl. Fenn.* 23(7): 7 (1902a) (**Fig. 15**)

Lectotype (designated by Strandhede, *Opera Bot.* 10(2): 144 (1966): FINLAND, Savonia borealis, in fossa limosa prope Jorois, VIII.1902, *Harald Lindberg* [Dörfler Herb. Norm. no. 4383] (H-525548!, isoelectotypes: (H!, LD, S, W).

Over 30 syntype localities were given by Lindberg (1902a) from Finland, Norway, Russia and Sweden, which are not repeated here.

Identified as *Eleocharis mamillata* (H.Lindb.) H.Lindb., in Dörfler, *Herb. Norm.* 44. 108 (1902), as ‘Heleocharis’, and *Scirpus palustris* L. subsp. *mamillatus* (H.Lindb.) Cajander, *Melan Suom. Kasvio*: 110 (1906). The first name is in current use.

*Scirpus uniglumis* Link f. *nulliseta* H.Lindb. in Hjelt, *Acta Soc. Fauna Fl. Fenn.* 23(7): 4 (1902a)

Lectotype (designated here): FINLAND, Nyl[andia], par. Esbo [Espoo], ins. Lill-Bodö, in ripa maris, 21 May 1896, *Harald Lindberg* (H-319628!); lectoparatype: [FINLAND], Nylandia, par. Esbo, in litore maris prope Kaitans, 23 July 1879, *A. O. Kihlman* (H-319625!).

Lindberg (1902a) listed many syntype localities from Fennoscandinavia, which are not repeated here. Later, f. *nulliseta* was distributed in *Pl. Finland. Exs.* as no. 89b (Lindberg 1906g). A synonym of *Eleocharis uniglumis* (Link) Schult var. *fennica* (Pall) Hyl.

*Scirpus uniglumis* Link f. *subnulliseta* H.Lindb., *Acta Soc. Fauna Fl. Fenn.* 23(7): 5 (1902a)

Lectotype (designated here): [FINLAND], Ostrobottnia borealis, Simo, Ruikka, hafstrand [seashore], 1 August 1870, *M. Brenner* (H-319712!).

Lindberg (1902a) listed many syntype localities in Fennoscandinavia, which are not repeated here. Later, f. *nulliseta* was distributed in *Pl. Finland. Exs.* as no. 90 (Lindberg 1906g). It is a synonym of *Eleocharis uniglumis* (Link) Schult var. *fennica* (Pall) Hyl.

*Scirpus uniglumis* Link f. *subtypica* H.Lindb., *Acta Soc. Fauna Fl. Fenn.* 23(7): 5 (1902a), *nom. inval.*



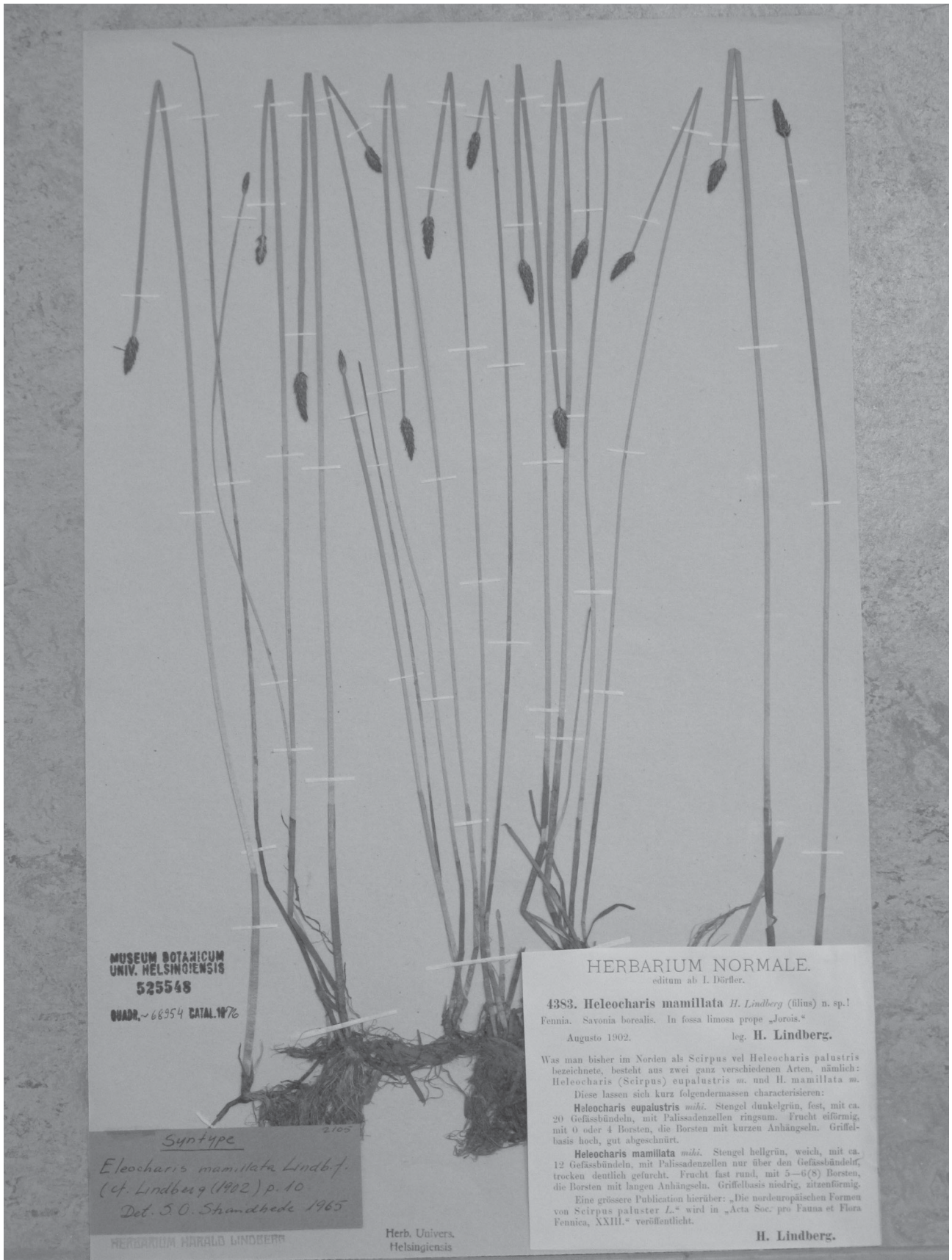


FIGURE 15. Lectotype of *Eleocharis mamillatus* (Cyperaceae)

***Scirpus uniglumis* Link f. *typica* H.Lindb.**, *Acta Soc. Fauna Fl. Fenn.* 23(7): 4 (1902a), *nom. inval.*

***Scorpiurus sulcatus* L. f. *puberulus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 89 (1932), as 'puberula'

Lectotype (designated here): MOROCCO, Atlas magnum, Amismiz, in campo prope pagum, c. 1000 m, 24 May 1926, *Harald Lindberg* 2699 (H-1288356!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, Amismiz, in campo prope pagum, c. 1000 m. On the label the cited specimen was tentatively named var. *puberulus*! by Lindberg. The species name is a synonym of *S. muricatus* L. (Fennane *et al.* 2007: 177, ILDIS 2010). This form has not recently been recognised.

***Sedum acre* L. f. *ochroleuca* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1965]: 254 (1944), *nom. nudum*

***Sedum porphyreum* Kotschy var. *parviglandulosum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 18 (1946)

Lectotype (designated here): CYPRUS, distr. Famagusta, Ayios Theodoros, in lapidosis siccissimis juxta mare, 11 July 1939, *Harald Lindberg* (H-1063225!).

Protologue locality in Lindberg (1946): [Cyprus], Ayios Theodoros, in lapidosis siccissimis juxta mare. On the label the cited specimen was tentatively named var. *parviglandulosum*! by Lindberg., a synonym of *Sedum porphyreum* Kotschy *sensu stricto* Kotschy (Meikle 1977: 650).

***Sideritis imbricata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 132, fig. 36 (1932) (**Fig. 16**)

Lectotype (designated here): MOROCCO occ., Atlas major, in monte Djebel Amsitten, in valle supra Tis Rarin, 17 May 1926, *Harald Lindberg* 2333 (H-1616673!, isoelectotypes: H-1616672!, H-1489090!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in monte Djebel Amsitten, in valle supra Tis Rarin, in callitrieto. On labels the cited specimens are named *S. imbricata* n[ova] sp. by Lindberg. *Sideritis imbricata* H.Lindb. is in current use (Fennane *et al.* 2007:445, WCSP 2011).

***Silene nocturna* L. f. *longipedunculata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 51 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Cádiz, Algeciras, pr. praed. Cobre, 18 April 1926, *Harald Lindberg* 690 (H-1338477!).

Protologue locality in Lindberg (1932): H [Spain], Algeciras, in graminosis juxta praedium Cobre. On the label the cited specimen is named f. *longipedunculata*! by Lindberg. This form has not recently been recognised.

***Silene stenocalyx* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 15, fig. 12 (1946)

Lectotype (designated here by G. Lazkov): CYPRUS, Famagusta, Salamis, in litore maris, 8 July 1939, *Harald Lindberg* (H-1339014!, isoelectotypes: H-1339012!, H-1339017!); lectoparatypes: CYPRUS, Famagusta, in colle arenoso juxta mare prope opp. Famagusta, 9 July 1939, *Harald Lindberg* (H-1339013!, H-1339015!).

Protologue localities in Lindberg (1946): 1. [Cyprus], in colle arenoso juxta mare prope opp. Famagusta; 2. [Cyprus], Salamis, in litore arenoso maris. On labels the cited specimens are named *Silene stenocalyx* m[ihi] by Lindberg. Synonym of *S. kotschyi* Boiss. var. *maritima* Boiss. (Meikle 1977: 233).



FIGURE 16. Lectotype of *Sideritis imbricata* (Lamiaceae)

***Sinapis mairei* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 65, fig. 20 (1932)

Lectotype (designated here): MOROCCO occ., Safi, Cap Safi, in lapidosis juxta mare, 8 May 1926, *Harald Lindberg 1824* (H-1462580!, isolectotypes: H-1462579!, MPU-009018).

Protologue locality in Lindberg (1932): M[orocco], Cap Safi, prope oppidum Safi, in lapidosis aridissimis juxta mare. On labels the cited specimens are named *Sinapis mairei* n[ova] sp. by Lindberg.

Identified as *Sinapis alba* L. subsp. *mairei* (H.Lindb.) Maire, *Bull. Soc. Hist. Nat. Afrique N.* 24: 197 (1933), which is in current use (Fennane *et al.* 1999: 371, Valdés *et al.* 2002a: 237, Marhold 2011a).

***Sonchus maculigerus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 169, fig. 37a (1932)

Lectotype (designated here): MOROCCO, Atlas major, in convalle fl. Aït Messane, loco aquoso in ripa fl. juxta Sidi Chamarouch supra pag. Arround, 2350 m, 11 June 1926, *Harald Lindberg 3866* (H-1012798!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, loco aquoso in ripa fluminis juxta Sidi Chamarouch supra pagum Arround, 2350 m. On the label the cited specimen is named *Sonchus maculigerus* n[ova] sp. by Lindberg. *Sonchus maculigerus* is in current use (Greuter 2006–2009).

***Sonchus oleraceus* L. subsp. *angustissimus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 169, fig. 40b (1932)

Lectotype (designated here): MOROCCO, Atlas magnum, in convalle fl. Reraïa, in decliv. calc. juxta rivul. exsicc. pr. pag. Asni, 1240 m, 4 June 1926, *Harald Lindberg 3614* (H-1012917!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Reraïa, in declivi calcareo juxta rivulum exsiccatum prope pagum Asni, 1240 m. On the label the cited specimen is named \*[subsp.] *angustissimus* n[ova] subsp. by Lindberg.

Identified as *S. tenerrimus* L. var. *angustissimus* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 846 (1934). This subspecies has not recently been recognised.

***Specularia hybrida* (L.) A. DC. var. *subfalcata* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 105 (1906f)

Lectotype (designated here): [CROATIA], Illyricum, Dalmatia, Cannosa prope Gravosa, in cultis, 21 May 1905, *Harald Lindberg* (H-1430115!).

Protologue locality in Lindberg (1906f): Dalm., Ragusa, Cannosa prope Gravosa, in cultis una cum *Sp. speculo*. On the label the cited specimen was tentatively named as f. *subfalcata* m[ichi] by Lindberg. This variety has not recently been recognised.

***Spergularia fimbriata* Boiss. & Reut. subsp. *condensata* (Ball) H.Lindb. var. *glabrifolia* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 49 (1932)

Lectotype (designated here): MOROCCO occ., prope opp. Mogador, in sterilibus in Insula Magna, 11 May 1926, *Harald Lindberg 1996* (H-1337655!).

Protologue locality in Lindberg (1932): M[orocco], Mogador, in sterilibus in Insula Magna. On label the cited specimen is named v. *glabrifolia*! by Lindberg.

Identified as *Spergula fimbriata* (Boiss. & Reut.) Murb. var. *condensata* (Ball) Maire subvar. *glabrifolia* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 876 (1934). The epithets *glabrifolia* and *condensata* have not recently been used.

***Spergularia fimbriata* Boiss. & Reut. subsp. *condensata* (Ball) H.Lindb. var. *glabrifolia* H.Lindb. f. *albiflora* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 49 (1932)

Lectotype (designated here): MOROCCO occ., prope opp. Mogador, in sterilibus in Insula Magna, 11 May 1926, *Harald Lindberg 1995* (H-1337646!).

Protologue locality in Lindberg (1932): M[orocco], Mogador, in Insula Mogador. On label the cited specimen is named *florib. albi* by Lindberg.

Identified as *S. fimbriata* (Boiss. & Reut.) Murb. var. *condensata* (Ball) subvar. *glabrifolia* (H.Lindb.) Maire f. *albiflora* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 876 (1934).

***Stachys arenaria* Vahl subsp. *divaricatidens* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 133, fig. 35 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Aït Messane, in rup. calc. arid. pr. pag. Aguersioual, c. 1600 m, 8 June 1926, *Harald Lindberg 3689* (H-1411512!, isolectotypes: H-1411509!, H-1411511!, MPU-009606); lectoparatypes: MOROCCO, Atlas medium, prope pag. Azrou, in saxosis vallis Tioumliline, c. 1400 m, 27 June 1926, *Harald Lindberg 4196* (H-1411508!, H-1411510!); MOROCCO, Atlas medium, prope pag. Azrou, in coll. sicc., c. 1300 m, 26 June 1926, *Harald Lindberg 4122* (H-1411513!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Aït Messane, in rupe calcarea arida prope pagum Aguersioual, c. 1600 m; 2. [Morocco], Atlas medius, in saxosis in valle Tioumliline supra pagum Azrou, c. 1400 m; 3. [Morocco, Atlas medius], in colle sicco prope pagum Azrou, c. 1300 m. On labels the cited specimens are named \*[subsp.] *divaricatidens* m[ihi] by Lindberg.

Identified as *S. arenaria* Vahl var. *divaricatidens* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 637 (1934). Fennane *et al.* (2007) accepted subsp. *divaricatidens* H.Lindb.; WCSP (2011) considered this name as a synonym of *Stachys arenaria* Vahl subsp. *arenaria*.

***Stachys arvensis* L. f. *albiflorus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 133 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Cádiz, Algeciras, in cultis juxta oppidum, 15 April 1926, *Harald Lindberg 535* (H-1411570!).

Protologue locality in Lindberg (1932): H [Spain], Algeciras, in culta juxta oppidum, un cum typo. On the label the cited specimen was tentatively named v[ar]. *albiflora*! by Lindberg.

***Stachys sendtneri* Beck. var. *adenocalyx* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 92 (1906f)

Lectotype (designated here): [BOSNIA AND HERZEGOVINA], Illyricum, in valle fluminis Vrbas, inter Jajce et Bočac, 6 June 1905, *Harald Lindberg* (H-1617505!).

Protologue locality in Lindberg (1906f): Bosnia, leg. Travnik (H). On the label the cited specimen is named var. *adenocalyx* m[ihi] by Lindberg. The species name is a synonym of *Stachys anisochila* Vis. & Pancic (WCSP 2011). This variety has not recently been recognised.

***Stachys sendtneri* Beck. var. *adenocalyx* H.Lindb. f. *versipila* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 92 (1906f)

Lectotype (designated here): [BOSNIA AND HERZEGOVINA], Illyricum, in valle fluminis Vrbas, inter Jajce et Bočac, 6 June 1905, *Harald Lindberg* (H-1617507!).

Protologue locality in Lindberg (1906f): Bosn., in valle fluminis Vrbas, inter Jajce et Bočac. On the label the cited specimen is named f. *versipila* m[ihi] by Lindberg. This form has not recently been recognised.

***Statice mucronulata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 26, fig. 18 (1946)

Lectotype (designated here): CYPRUS, distr. Larnaca, in litore prope opp. Larnaca, 28 June 1939, *Harald Lindberg* (H-1605845!), isolectotypes: H-1605844!, H-1489751!).

Protologue locality in Lindberg (1946): [Cyprus], in litore prope opp. Larnaca. On labels the cited specimens are named *S. mucronulata* n[ova] sp. by Lindberg.

Identified as *Limonium mucronulatum* (H.Lindb.) Greuter & Burdet, *Willdenowia* 19(1): 40 (1989), which is currently used (Domina 2011). Obviously, this micro-endemic taxon has never been recollected (Hand 2009). Meikle (1985: 1069) synonymized the taxon to *Limonium narbonense* Mill.

***Statice sinuata* L. var. *subglabra* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 117 (1932)

Lectotype (designated here): MOROCCO occ., prope opp. Mogador, in campo sicco inter Arganias 11 km ad O. versus ab opp. Mo., 13 May 1926, *Harald Lindberg* 2160 (H-1605939!), isolectotype: H-1605938!).

Protologue locality in Lindberg (1932): M[orocco], in campo sicco inter Arganias 11 km ad O. versus ab oppido Mogador. On labels the cited specimens are named var. *subglabra* m[ihi] by Lindberg.

Identified as *Limonium sinuatum* (L.) Mill. var. *subglabrum* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 567 (1934). This variety has not recently been recognised.

***Stipa tenacissima* L. var. *villosiuscula* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 24 (1932)

Lectotype (designated here): MOROCCO occ, Atlas magnum, in monte Djebel Amsitten, in rupe in valle supra Tis Rarin, 17 May 1926, *Harald Lindberg* 2427 (H-1068682!), isolectotype: LD-970536!); lectoparatype: Atlas magnum, in convalle fl. Imminen, in decliv. saxos. montis, Djebel Tihalatine, 31 May 1926, *Harald Lindberg* 3211 (H-1068681!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in monte Djebel Amsitten, in rupe in valle supra Tis Rarin; 2. M[orocco], Atlas major, in convalle fluminis Imminen, in declivibus saxosis montis Djebel Tihalatine, 1500 m. On labels the cited specimens are named var. *villosiuscula* n[ova] var. by Lindberg. Currently the species name used is either *Macrochloa tenacissima* (L.) Kunth (Valdés et al. 2002b, Valdés & Scholz 2009) or *Stipa tenacissima* L. According to WCSP (2011) var. *villosiuscula* is a synonym of *Stipa tenacissima* L. sensu stricto.

***Subularia aquatica* L. f. *elongata* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 40: 105. (1914)

Lectotype (designated here): [RUSSIA], Lapponia kemensis [Regio kuusamoënsis, Russia], par. Kuolajärvi, in ripa fluminis Tuntsajoki ad Liekahauta, in aqua 0.5 m alta, 23 August 1910, *Edv. af Hällström* (H-035666!), isolectotypes: H-035682!, H-035683!, H-034685!, H-035678!).

Protologue locality in Lindberg (1914): [Russia], Kuolajärvi, Tuntsajoki, Edv. af. Hällström. On labels the cited specimens are named f. *elongata* by Lindberg. Isolectotypes were distributed in *Pl. Finland. Exs.* as no. 688 (Lindberg 1916b).

***Teucrium fruticans* L. f. *albiflorum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 134 (1932), as ‘albiflora’

Lectotype (designated here): Hispania [SPAIN], prov. Jaén, Santa Elena, in saxosis juxta viam ferr., 7 April 1926, *Harald Lindberg* 385 (H-1408059!); lectoparatype: Hispania [SPAIN], prov. Jaén, Santa Elena, in dumetis juxta viam ferraeam, 5 April 1926, *Harald Lindberg* 221 (H-1408058!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Morena, Santa Eléna, in saxosis juxta viam ferratam. On labels the cited specimens are named f. *albiflora* by Lindberg.

***Teucrium polium* L. formae variae**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 134 (1932)

Lindberg wanted to point out, that there are different kinds of white flowered *T. polium*, and included five times *f. albiflora* (without italics) for five different specimens as a descriptive word; as part of the diagnosis. In this publication he normally used italics for scientific names. Therefore his “*f. albiflora*” is not accepted as a taxon.

***Thymalea hirsuta* (L.) Endl. f. glauca** H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 107 (1932)

Lectotype (designated here): Hisp[ania] [SPAIN], Malaga, in collibus siccis pr. oppidum, 29 July 1926, *Harald Lindberg 4499* (H-1510643!).

Protologue locality in Lindberg (1932): H [Spain], Malaga, in collibus siccis prope oppidum. On the label the cited specimen is named *f. glauca* n[ova] *f.* by Lindberg. This form has not recently been recognised.

***Thymus broussonetii* Boiss. f. crenulatus** H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 134 (1932), as ‘*crenulata*’

Lectotype (designated here): MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, inter *Callitris* in decliv., 17.5.1926, *Harald Lindberg 2321* (H-1619017!).

Protologue locality in Lindberg (1932): MOROCCO, Atlas major, in monte Djebel Amsitten, inter *Callitris* in declivi supra Tis Rarin. On its label this form was not indicated, but it is the only specimen at H with identical data, and its leaves are crenulate. This form has not recently been recognised.

***Thymus pseudopallidus* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 135, fig. 37c (1932)

Lectotype (designated here): MOROCCO, Atlas magnum, Amismiz, in decliv. vallis supra pagum, c. 1200 m, 24 May 1926, *Harald Lindberg 2692* (H-1665498!, isolectotype: H-1665499!); lectoparatype: MOROCCO, Atlas magnum, Amismiz, in colle vestita pr. pagum, 24 May 1926, *Harald Lindberg 2766* (H-1665497!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, Amismiz, in declivi vallis supra pagum, c. 1200 m. On labels the cited specimens are named *Thymus pseudopallidus* n[ova] sp. by Lindberg. Synonym of *Thymus willdenowii* Boiss. (WCSP 2011).

***Tilia cordata* Mill. f. ekebergensis** H.Lindb., *Pl. Finland. Exs.* Fasc. 25 label no. 1239 (1933)

Lectotype (designated here): FINLAND, Regio Aboënsis, par. Lojo [Lohja], ins. Jalassaari, arbor unica in frondea silva (*Quercus*, *Tilia*, *Betula*, *Corylus*) juxta villulam Ekeberga, 9 & 11 September 1933, *Harald Lindberg [Pl. Finland. Exs. 1239]* (H-503023!; isolectotype: H-502981!).

Protologue given on printed label (Lindberg 1933). This form has not recently been recognised.

***Trachystoma ballii* O. E. Schulz f. parcesetosum** H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 67 (1932)

Lectotype (designated here): MOROCCO, Atlas magnum, in convalle fl. Reraïa, prope pag. Asni, in cultis, c. 1200 m, 29 May 1926, *Harald Lindberg 3057* (H-1263856!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in cultis juxta deversorium La bonne Auberge prope pagum Asni, una cum *a dasycarpo* Murb. On the label the cited specimen is named *f. parcesetosum* m[ihi] by Lindberg. This form has not recently been recognised.

***Trifolium europaea* L. var. *angusta* H.Lindb.** in Litwinow, *Sched. Herb. Fl. Ross.* 7, Fasc. 43: [no. 2176]: 9 (1910)

Lectotype (designated here): FINLAND, Savonia borealis, par. Jorois, Järvikylä, in pineto, 7 June 1904, H. Lindberg [Herb. Fl. Ross. 2176] (H-386757!), isolectotype: H-386756!).

Protologue given on printed label (Litwinow 1910).

Identified as *T. europaea* f. *angusta* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 558 (1933). This form has not recently been recognised.

***Trifolium campestre* Schreb. var. *pseudoprocumbens* (Gmel.) Asch. & Graebn. f. *patulepilosum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 89 (1932)

Lectotype (designated here): MOROCCO occ., prope opp. Rabat, loc. incult., 4 May 1926, *Harald Lindberg 1710* (H-1523976!); lectoparatype: MOROCCO occ., Atlas magnum, in monte Djebel Amsitten, Tis Rarin, in terra nuda, 17 May 1926, *Harald Lindberg 2383* (H-1523978!).

Protologue localities in Lindberg (1932): 1. M[orocco], Rabat, loco inculto; 2. M[orocco], Marrakech, in campo sicco, c. 465 m; 3. M[orocco], Atlas major, in monte Djebel Amsitten, in terra nuda juxta Tis Rarin. On labels the cited specimens are named f. *patule-pilosum* m[ihi] by Lindberg. This form has not recently been recognised.

***Trifolium dalmaticum* Visiani var. *meledae* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 54 (1906f)

Lectotype (designated here): [CROATIA], Dalmatia, ins. Meleda, in apricis inter Porto Soline et Pistek, 22 May 1905, *Harald Lindberg* (H-1524024!).

Protologue locality in Lindberg (1906f): Dalm., insula Meleda, in saxosis calc. inter Porto Soline et Pistek una cum *Tr. scabrum* f. *rosea*. On the label the cited specimen is named var. *meledae* m[ihi] by Lindberg. This variety has not recently been recognised.

***Trifolium ochroleucon* Huds. subsp. *lamprotrichum* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 55 (1906f)

Lectotype (designated here): [CROATIA], Dalmatia, Zelenika prope Castelnuovo, 27 May 1905, *Harald Lindberg* (H-1524832!).

Protologue locality in Lindberg (1906f): Dalm., Zelenika prope Castelnuovo, in graminosis in margine viae cum *Tr. cincto*. On the label the cited specimen was tentatively named as *Trifolium lamprotrichum* m[ihi] by Lindberg. This subspecies has not recently been recognised.

***Trifolium pratense* L. var. *mesatlanticum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 90 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, prope pag. Azrou, in prato humido vallis Tioumliline, 26 June 1926, *Harald Lindberg 4153* (H-1525032!).

Protologue locality in Lindberg (1932): M[orocco], Atlas medius, in prato humido vallis Tioumliline supra pag. Azrou. On the label the cited specimen is named var. *mesatlanticum* n[ova] var. by Lindberg. This variety has not recently been recognised.

***Trifolium pratense* L. f. *versicolor* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 487 (1933)

Lectotype (designated here): [FINLAND], N [Nylandia], Esbo [Espoo], Staffan, gräslinda, 18 July 1915, *Edit Lindström* (H-390141!); lectoparatype: [FINLAND], Sb [Savonia borealis], Jorois [Joroinen], Järvikylä, 19 July 1911, *Håkan Lindberg* (H-385172!).



Protologue localities in Hiitonen (1933): 1. [Finland], N [Nylandia], 2. [Finland], Sb [Savonia borealis]. On the label the cited specimen is named f. *versicolor* by Lindberg. This form has not recently been recognised.

***Trifolium scabrum* L. f. *roseum* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 54 (1906f), as 'rosea'

Lectotype (designated here): [CROATIA], Dalm[atia], ins. Meleda, in saxosis apricis inter Porto Soline et Pistek, 22 May 1905, *Harald Lindberg* (H-1525267!).

Protologue locality in Lindberg (1906f): Dalm., insula Meleda, in saxosis calc. apricis inter Porto Soline et Pistek. On the label the cited specimen is named f. *rosea* m[ihi] by Lindberg.

***Trifolium scabrum* L. f. *hirsuticaule* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 54 (1906f), as 'hirsuticaulis'

Lectotype (designated here): [CROATIA], Dalm[atia], Ragusa [Dubrovnik], Gravosa, Monte Petka, 22 May 1905, *Harald Lindberg* (H-1525266!).

Protologue locality in Lindberg (1906f): Dalm., Ragusa, Gravosa, Monte Petka, in campo aenoso sicc. On the label the cited specimen is named f. *hirsuticaulis* m[ihi] by Lindberg.

Identified as *T. scabrum* var. *hirsuticaule* (H.Lindb.) H.Lindb., *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 91 (1932). This form has not recently been recognised.

***Trisetum flavescens* (L.) P.Beauv. var. *africanum* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 25 (1932)

Lectotype (designated here): MOROCCO, Atlas medium, Amismiz, in herbidis prope pagum, c. 1000 m, 24 May 1926, *Harald Lindberg* 2719 (H-1168497!, isolectotype: H-1168500!); lectoparatypes: MOROCCO, Atlas magnum, Ras-el-Ma prope pagum Azrou, loco apricoso in cedreto, c. 1600 m, 24 June 1926, *Harald Lindberg* 4270 (H-1168499!, MPU-009618), MOROCCO, Atlas medium, Amismiz, in herbidis prope pagum, c. 1000 m, 28 May 1926, *Harald Lindberg* 2720 (H-1168495!), MOROCCO, Atlas magnum, in convalle fl. Reraia, in decliv. calc. sicc. contra deversorium pr. pag. Asni, 2 June 1926, *Harald Lindberg* 3483 (H-1168496!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, Amismiz, in herbidis prope pagum, c. 1000 m; 2. M[orocco], Atlas medius, Ras-el-Ma prope pagum Azrou, loco apricoso in cedreto, c. 1600 m. On labels the cited specimens are named var. *africanum* n[ova] var. by Lindberg.

Identified as *T. flavescens* (L.) P.Beauv. subsp. *africanum* (H.Lindb.) Dobignard, *J. Bot. Soc. Bot. France* 28: 44. (2004). Synonym of *Trisetum flavescens* (L.) P.Beauv. *sensu stricto* (WCSP 2011).

***Trisetum flavescens* (L.) P.Beauv. f. *hirticulmis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 25 (1932)

Lectotype (designated here): MOROCCO, Atlas magnum, in convalle fl. Reraia, in decliv. calc. sicc. contra deversorium pr. pag. Asni, c. 1300 m, 2 June 1926, *Harald Lindberg* 3483 (H-1168498!).

Protologue locality in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Reraia, in declivibus siccis calcareis contra deversorium La bonne Auberge prope pagum Asni, c. 1300 m. On its label the cited specimen was tentatively named as var. *hirticulmis* n[ova] var. by Lindberg. This form has not recently been recognised.

***Trisetum griseovirens* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 25, fig. 6 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in saxosis aridis supra pagum Arround, 2200 m, 10 June 1926, *Harald Lindberg* 3760 (H-1088222!); lectoparatype: MOROCCO, Atlas Magnum, in convalle fl.

Aït Messane, in siccis inter Fimelil et Arround, c. 2000 m, 12 June 1926, *Harald Lindberg* 3929 (H-1088221!).

Protologue localities in Lindberg (1932): 1. M[orocco], Atlas major, in convalle fluminis Aït Messane, in siccis inter pagum Fimelil et pagum Arround, c. 2000 m; 2. M[orocco], Atlas major, in saxosis aridis supra pagum Arround, 2200 m. On labels the cited specimens are named *Trisetum griseovirens* n[ova] sp. by Lindberg.

Identified as *T. flavescens* (L.) P.Beauv. subsp. *griseovirens* (H.Lindb.) Dobignard, *J. Bot. Soc. Bot. France* 28: 44 (2004). Synonym of *Trisetum flavescens* (L.) P.Beauv. (Valdés *et al.* 2002b, Valdés *et al.* 2002b, Valdés & Scholz 2009, WCSP 2011).

× ***Tritordeum bergrothii* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 32: 21 (1906d)

Lectotype (designated here): [RUSSIA, Arkhangel'sk Region], Pomoria orientalis, regio maritima, in litore arenoso Maris albi ad pag. Pokrofskoje, 26 July 1899, A. K. Cajander & J. I. Lindroth (H-511068!, isolectotypes: H-511069!, H-511070!).

Protologue localities in Lindberg (1906d): Pomoria orientalis, Pokrofskoje, 1899, Cajander. On labels the cited specimens are named *Elymus arenarius* × *Triticum repens* by A. K. Cajander and J. I. Lindroth.

Lindberg (1906d) provided only a binary name, with inadequate differentiating features, but referred to Cajander (1901: 103), where a proper description is given. Lindberg (1906d) refer also to sheets [H-511072, H-511071, H-511073] collected by *I. O. Bergroth* on 29 July 1896 at Karelia Pomorica [occidentalis], Russki-Gusowa [Russkiy Gusov Island], hafstrand [sea shore]. However, those sheets are not mentioned by Cajander (1901).

Identified as × *Agroelymus bergrothii* (H.Lindb.) Rousseau, *Mem. Jard. Bot. Montreal* No. 29, 15 (1952); × *Elymotrigia bergrothii* (H.Lindb.) Hylander, *Bot. Not.* 1953: 358 (1953); × *Leymotrigia bergrothii* (H.Lindb.) Tzvelev, *Fl. Arct. URSS Fasc.* 2: 250 (1964); × *Leymopyron bergrothii* (H.Lindb.) Tzvelev, *Fl. Severo-Vostoka Evropeiskoi Chasti SSSR* 1: 121 (1974); × *Elylymus bergrothii* (H.Lindb.) Conert in G. Hegi, *Illustr. Fl. Mitteleur.*, ed. 3, 1(3: Lief. 10). 802 (1997). The current name in use is *Elytrigia repens* (L.) Nevski × *Leymus arenarius* (L.) Hochst, viz. × *Elylymus bergrothii* (H.Lindb.) Conert.

***Tritordeum* × *bergrothii* H.Lindb. f. *subarenarius* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 32: 21 (1906d), *nom. nudum*

***Tritordeum* × *bergrothii* H.Lindb. f. *subrepens* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 32: 21 (1906d), *nom. nudum*

***Tuberaria macrosepala* (Dunal) Willk. var. *subaequisepala* Gross. f. *semiglabra* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 106 (1932)

Lectotype (designated here): MOROCCO occ., prope oppidum Rabat, Kenitra, in silva Mamora, solo aren. fqq., 2 May 1926, *Harald Lindberg* 1629 (H-1529515!, isolectotypes: H-1529517!, MPU-009161, MPU-009162).

Protologue locality in Lindberg (1932): M[orocco], Kenitra prope oppidum Rabat, solo arenoso in silva Mamora (*Quercus suber*). On labels the cited specimens are named f. *semiglabra* m[ihi] by Lindberg.

Currently used species name is either *T. guttata* (L.) Fourr. subsp. *macrosepala* (Cosson) Raynaud (Fennane *et al.* 1999: 312), or *T. macrosepala* (Salzm. ex Boiss.) Willk. (Valdés *et al.* 2002a: 203). This form has not recently been recognised.

***Tuberaria macrosepala* (Dunal) Willk. var. *subaequisepala* Gross. f. *subglabra* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 106 (1932)

Lectotype (designated here): MOROCCO occ., prope oppidum Rabat, Kenitra, in silva Mamora, solo aren. fqq., 2 May 1926, *Harald Lindberg 1630* (H-1529514!, islectotype: H-1529516!).

Protologue locality in Lindberg (1932): M[orocco], Kenitra prope oppidum Rabat, solo arenoso in silva Mamora (*Quercus suber*), una cum f. *semiglabra* crescens. On labels the cited specimens are named f. *subglabra* m[ihi] by Lindberg. This form has not recently been recognised.

***Urginea aurantiaca* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 34 (1932) (**Fig. 17**)

Lectotype (designated here): MOROCCO, Atlas major, in convalle fl. Aït Messane, in decliv. saxosis inter Tinitine et Anferkou, 1500 m, 12 June 1926, *Harald Lindberg 3900* (H-1237873!).

Protologue locality in Lindberg (1932): M[orocco], Atlas major, in convalle fluminis Aït Messane, in declivibus saxosis inter pagum Tinitine et pagum Anferkou, 1500 m. On label the cited specimen is named *Urginea aurantiaca* n[ova] sp. by Lindberg.

Identified as *Urginea noctiflora* var. *aurantiaca* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 864 (1934); *Urginea noctiflora* subsp. *aurantiaca* (H. Lindb.) Maire, *Fl. Afr. Nord* 5: 162 (1958); *Thuranthos aurantiacus* (H.Lindb.) Speta, *Phyton (Horn)* 38(1): 81 (1998); *Drimia aurantiaca* (H.Lindb.) J.C.Manning & Goldblatt, *Edinburgh J. Bot.* 60(3): 556 (2004) '2003', of which the last one is in current use (WCSP 2011).

***Urtica dioica* L. \* [subsp.] *cyprica* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 12 (1946)

Lectotype (Meikle 1985: 1455; second-step lectotype designated here): CYPRUS, Troodos, pr. monastr. Kykko, in umbrosis in cultis, 16 July 1939, *Harald Lindberg* (H-1326651!, islectotype K); lectoparatype: CYPRUS, Nicosia, Kambos, in ruderalis, 15 July 1939, *Harald Lindberg* (H-1326650!).

Protologue localities in Lindberg (1946): 1. [Cyprus], M. Troodos, Milikouri prope monasterium Kykko, in umbrosis in cultis; 2. [Cyprus], Kambos, in ruderalis. On labels the cited specimens are tentatively named as var. *cyprica* m[ihi] v. by Lindberg.

The typification statement by Meikle (1985: 1455) refers to two gatherings. The second-hand lectotype is designated under Art. 9.15 (McNeill *et al.* 2006). *Urtica dioica* L. subsp. *cyprica* is in current use (Meikle 1985).

***Utricularia* × *biseriata* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 46: 103 (1921).

Lectotype (designated here): RUSSIA, Kl [Karelia ladogensis], Suistamo, Loimala, 21 July 1876, *V. F. Brotherus & Hj. Hjelt* (H-536211); lectoparatypes: RUSSIA [Leningrad Region, Lodeynoe Pole Dist.], in reg. Svir, Sermaks, 23 July 1875, *Fr. Elfving* (H-536210!), FINLAND, OK [Ostrobothnia kajanensis], Kajana, *A. J. Malmgren* (H-011379!), FINLAND, OK [Ostrobothnia kajanensis], Suomussalmi, Kiannankylä, Pöllänlampi, inter parentes, 30 June 1911, *O. Kyyhkynen* (H-011385!), FINLAND, OK [Ostrobothnia kajanensis], Suomussalmi, in lacu Kallioinen prope Salovaara, pag. Kiannankylä, 18 July 1911, *O. Kyyhkynen* (H-011383!), FINLAND, OK [Ostrobothnia kajanensis], in lacu Kukkulampi, pag. Kirkonkylä, 27 July 1911, *O. Kyyhkynen* (H-011382!), RUSSIA, Kuolajärvi, Porolampi, 3 September 1917, *Vilho Pesola* (H-0392287!).

Protologue localities in Lindberg (1921): 1. [Russia], Kl [Karelia ladogensis], [Suistamo], Loimala, 21.VII.1876, V. F. Brotherus & Hj. Hjelt; 2. [Finland], Kn [Ostrobothnia kajanensis], Suomussalmi, in lacu Kukkulampi, 21.VII.1911 O. Kyyhkynen; 3. [Finland, Ostrobothnia kajanensis], Suomussalmi, Kiannankylä, Pöllänlampi, inter parentes, 30.VI.1911, O. Kyyhkynen; 4. [Finland, Ostrobothnia kajanensis], Suomussalmi, in lacu Kallioinen prope Salovaara in pag. Kiannankylä, 18.VII.1911, O. Kyyhkynen; 5. [Finland, Ostrobothnia kajanensis], Suomussalmi, Kajana [Kajaani], A. J. Malmgren; 6. [Russia, Regio kuusamoënsis], Kuolajärvi, Porolampi, 3.IX.1917, V. Pesola; 7. [Russia], Svir, Sermaks, 23.VII.1875, Fredr. Elfving. On label the cited specimen is named *U. intermedia* × *vulgaris* n. hybr. (*U. biseriata* m.) by Lindberg. Synonymous to *Utricularia vulgaris* L. (det. Göran Thor 1978, Thor 1979).



***Vella spinosa* Boiss. var. *subglabra* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 67 (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, Fuente del Dornajo supra opp. Granada, in fiss. rup. calca. arid., c. 1500 m, 21 July 1926, *Harald Lindberg* 824 (H-1510838!, isolectotype: H-1479743!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, Fuente del Dornajo supra oppidum Granada, in fissuris rupium calcareis aridis, c. 1500 m. On labels the cited specimens are named var. *subglabra* m[ihi] by Lindberg. This variety has not recently been recognised.

***Verbascum lychnitis* L. var. *cuspidatum* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 18: 190 (1891), *nom. nudum*

***Verbascum lychnitis* L. var. *cuspidatum* H.Lindb.**, *Enum. Pl. Fennoscandia*: 50 (1901), *nom. nudum*

***Verbascum lychnitis* L. f. *cuspidata* H.Lindb. ex Cajander**, *Melan Suom. Kasvio*: 504 (1906)

Lectotype (designated here): FINLAND, Regio aboënsis, paroecia Lojo [Lohja], Mongola, in prato culto, 25 August 1884, *Harald Lindberg* (H-308567!); lectoparatypes: FINLAND, Regio aboënsis, paroecia Lojo, Mongola, in prato culto, 26 August 1886, *Harald Lindberg* (H-308569!); 29 August 1888, *Harald Lindberg* (H-308579!, H-308568!).

Protologue locality in Cajander (1906): Ab [Regio aboënsis]. On labels the cited specimens are named f. *cuspidata* m[ihi] by Lindberg. This form has not recently been recognised.

***Verbena supina* L. f. *petiolulata* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 19 (1946)

Lectotype (Meikle 1985: 1252; second-step lectotype designated here): CYPRUS: distr. Larnaca, in arenosis juxta opp. Larnaca, 27 June 1939, *Harald Lindberg* (H-1615999!; isolectotype K).

Protologue locality in Lindberg (1946): [CYPRUS], in arenosis juxta opp. Larnaca. On label the cited specimen was tentatively named var. *petiolulata* n[ova] var. by Lindberg.

The typification statement by Meikle (1985: 1252) refers to two gatherings. The second-hand lectotype is designated under Art. 9.15 (McNeill *et al.* 2006). Meikle considered this as a good form, and suggested, that it might be endemic to Cyprus.

***Veronica agrestis* L. var. *carnosula* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 19: 51 (1893), *nom. nudum*

***Veronica chamaedrys* L. f. *albiflora* H.Lindb.**, *Sched. Pl. Finland. Exs. Fasc.* 21–42 [no. 1304]: 71 (1944), *nom. nudum*

***Veronica fruticans* Jacq. subsp. *nevadensis* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 141 (1932)

Lectotype (designated here): SPAIN, Prov. Granada: Sierra Nevada, Laguna de las Yeguas, in rup. humid., c. 2500 m, 21 July 1926, *Harald Lindberg* 853 (H-1624120!); lectoparatype: Hispania, Prov. Granada: Sierra Nevada, Laguna de las Yeguas, in rup. humid., c. 2600 m, 21 July 1926, *Harald Lindberg* 854 (H-1624121!). Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in rupe humida juxta Laguna de las Yeguas, c. 2500 m. On label the cited specimen is named \*[subsp.]. *venadensis* n[ova] ssp. by Lindberg. This subspecies has not recently been recognised.

***Veronica spicata* L. var. *arachnoidea* H.Lindb.**, *Meddel. Soc. Fauna Fl. Fenn.* 46: 71 (1921)

Lectotype (designated here): FINLAND, Alandia, Hammarland, Frebbenby, 27 August 1904, *Arthur Dahl* (H-522107!); lectoparatype: FINLAND, Alandia, Hammarland, Frebbenby, 8 July 1904, *Arthur Dahl* (H-522106!).

Protologue locality in Lindberg (1921): [Finland], Åland [Ahvenanmaa], Hammarland, Frebbenby, 1904, *Arthur Dahl*. On labels the cited specimens are named var. *arachnoidea* m[ihi] var. by Lindberg.

Identified as *V. longifolia* f. *arachnoidea* (H.Lindb.) Hagfors, *Luettelo Suom. Putkilokasveista*: 101 (1924); *V. spicata* L. f. *arachnoidea* (H.Lindb.) Hiitonen, *Suom. Kasvio*: 630 (1933). Epithet *arachnoidea* has not recently been recognised.

***Vicia angustifolia* Roth. f. *albiflora* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 61 (1906f), *nom. nudum*

***Vicia loiseleurii* H.Lindb.**, *Öfvers. Finska Vetensk.-Soc. Förh.* 48(13): 62 (1906), heterotypic synonym

Protologue locality in Lindberg (1906f): Dalm., insula Meleda, in saxosis apricis inter Vodice et Tatinica. This is a synonym of *Vicia loiseleurii* (M.Bieb.) Litv., *Sched. Herb. Fl. Ross.* 9: 47 (1932), Basionym: *Ervum loiseleurii* M.Bieb. *Fl. Taur.-Caucas.* 3: 475 (1819).

***Viola cyprica* H.Lindb.**, *Årsbok-Vuosik. Soc. Sci. Fenn.* 20 B(7): 5 (1942)

Lectotype (designated here): CYPRUS, Troodos, Platania, in silva umbrosa juxta rivulum, 18 June 1939, *Harald Lindberg* (H-1489748!, isolectotypes: H-1489746!, H-1489749!, H-1489750!).

Protologue locality in Lindberg (1942): [Cyprus], in silvis locis nonnullis lecta est. On labels the cited specimens are named *Viola cyprica* by Lindberg. Synonym of *V. sieheana* W.Becker (Meikle 1977: 202). Figure was published in Lindberg (1946, fig. 17).

***Viola parvula* Tin. var. *angustissima* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 107, fig. 28b (1932)

Lectotype (designated here): Hispania [SPAIN], prov. Granada, Sierra Nevada, in glareosis in reg. alp. infra Laguna de las Yeguas, c. 2200 m, 23 July 1926, *Harald Lindberg* 999 (H-1383703!).

Protologue locality in Lindberg (1932): H [Spain], Sierra Nevada, in glareosis in regione alpina infra Laguna de las Yeguas, c. 2200 m. On the label the cited specimen is named v. *angustissima* m[ihi] by Lindberg. This variety has not recently been recognised.

***Viola parvula* Tineo var. *subarachnoidea* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 2(7): 24 (1946)

Lectotype (designated here): CYPRUS, m. Troodos, in glaereosis in cacumine Chionistra, 17 June 1939, *Harald Lindberg* (H-1383709!, isolectotype: H-1383710!).

Protologue locality in Lindberg (1946): [Cyprus], M. Troodos, in glaereosis in cacumine Chionistra. On labels the cited specimens are named var. *subarachnoidea* m[ihi] by Lindberg. Synonymous to *V. parvula* Tineo *sensu stricto* (Meikle 1977: 206).

***Viola tricolor* L. f. *violaceosignata* H.Lindb. ex Hiitonen**, *Suom. Kasvio*: 412 (1933)

Lectotype (designated here): [FINLAND], Ab (Regio aboënsis), Lojo [Lohja], ins. Jalassaari, Taminiemi, åkerkant [field margin], 23 June 1916, *HLg [Harald Lindberg]* (H-503999!).

Protologue locality in Hiitonen (1933): Finland. On the label the cited specimen is named f. *violaceo-signata* by Lindberg. This form has not recently been recognised.

***Vulpia alopecuros* (Schousb.) Link subsp. *schousboei* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 26, fig. 7 (1932), *nom. inval.*  
= *Festuca alopecuros* (Schousb.) Maire subsp. *schousboei* Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 864 (1934), *nom. inval.*

This subspecies clearly includes the type of *F. alopecuros sensu stricto* and was actually collected at the same site as the type of *Festuca alopecuros* Schousb.

***Vulpia alopecuros* (Schousb.) Link subsp. *fibrosa* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 26, fig. 8 (1932)

Lectotype (designated here): MOROCCO prope opp. Rabat, Kenitra, solo arenosa in silva Mamora, 2 May 1926, *Harald Lindberg 1627* (H-1176625!, isoelectotype: H-1176626!); lectoparatypes: MOROCCO occ., Safi, Cap Safi, loc. lapid. sicc., 8 May 1926, *Harald Lindberg 1863* (H-1176624!); MOROCCO occ., prope opp. Mogador, in arenosis juxta Hotel Palmera, 14 May 1926, *Harald Lindberg 2170* (H-1176621!); MOROCCO prope opp. Rabat, Kenitra, in silva Mamora, loco arenosa inter *Querc. suber*, 2 May 1926, *Harald Lindberg 1628* (H-1176622!).

Protologue localities in Lindberg (1932): 1. M[orocco], Safi, Cap Safi, loco lapidoso sicco ‘f. *vulgaris* (Boiss.) H.Lindb.’; 2. Mogador, in arenosis juxta Hotel Palmera [‘f. *vulgaris* (Boiss.) H.Lindb.’]; 3. M[orocco], Mogador, in arenosis juxta Hôtel Palmera, una cum f. *vulgaris* [‘f. *glabrata* (Lange) H.Lindb.’], fig. 8a; 4. M[orocco], Kenitra prope oppidum Rabat, solo arenosa in silva Mamora [‘var. *sylvatica* (Boiss.) H.Lindb.’], fig. 8b; 5. M[orocco], Kenitra prope oppidum Rabat, solo arenoso in silvamamora [‘f. *lanata* (Boiss.) H.Lindb.’], fig. 8c. On labels the cited specimens are named subsp. *fibrosa* m[ihi] by Lindberg.

Identified as *Festuca alopecuros* (Schousb.) Maire subsp. *fibrosa* (H.Lindb.) Maire, in Jahandiez & Maire, *Cat. Pl. Maroc* 3: 864. (1934). This subspecies is a synonym of *Vulpia alopecuros* (Schousb.) Link *sensu stricto* (Valdés & Scholz 2009, WCSP 2011).

***Vulpia alopecuros* (Schousb.) Link subsp. *schousboei* H.Lindb. f. *glabra* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 26 (1932)

Lectotype (designated here): MOROCCO bor., prope opp. Tanger, in arena mobili, l. cl, 15 July 1926, *Harald Lindberg* (H-11766279!).

Protologue locality in Lindberg (1932): M[orocco], Tanger, in arena mobili una cum forma praecedente [f. *alopecurus*]. On the label the cited specimen is named f. *glabrata* (Lge) by Lindberg. This form has not recently been recognised.

***Vulpia geniculata* (L.) Link f. *hirta* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 26 (1932)

Lectotype (designated here): MOROCCO occ., Casablanca, in litore arenoso, 6 May 1926, *Harald Lindberg 1759* (H-1177032!); lectoparatypes: MOROCCO occ., Casablanca, in litore arenoso, 6 May 1926, *Harald Lindberg 2044b* (H-1177033!), MOROCCO, Atlas major, Amismiz, in campo prope pagum, c. 1000 m, 25 May 1926, *Harald Lindberg 2629* (H-1177034!).

Protologue localities in Lindberg (1932): 1. M[orocco], Casablanca, in litore arenoso; 2. M[orocco], Mogador, in arenosis juxta flumen Oued Ksob; 3. M[orocco], Atlas major, Amismiz, in campo prope pagum, c. 1000 m. On labels the cited specimens are named f. *hirta*! by Lindberg. This form has not recently been recognised.

***Vulpia geniculata* (L.) Link var. *breviglumis* Batt. & Trab. f. *hirsuta* H.Lindb.**, *Acta Soc. Sci. Fenn., Ser. B, Opera Biol.* 1(2): 27 (1932)

Lectotype (designated here): MOROCCO, Atlas Magnum, in convalle fl. Reraïa, in arenosis infra deversorium, c. 1200 m, 30 May 1926, *Harald Lindberg 3155* (H-1177038!).

Protologue locality in Lindberg (1932): M[orocco], in convalle fluminis Reraïa, in arenosis infra deversorium La bonne Auberge prope pagum Asni, c. 1200 m. On the label the cited specimen is named f. *hirsuta!* by Lindberg. This form has not recently been recognised.

## Acknowledgements

Alexander Sennikov gave his invaluable help in many nomenclatural issues, G. Lazkov provided the typification of *Silene stenocalyx* and Teuvo Ahti made most valuable comments on the manuscript. Pertti Rantiala provided the figures.

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