

The collection of Prof. Dr Ferdinand Schur in the Herbarium of Ivan Franko National University of Lviv: Family Orchidaceae Juss.

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Summary: The collection of the Austrian scientist Ferdinand Schur (1799–1878) in the herbarium of the Ivan Franko National University of Lviv [LW] is the largest among all his collections. It comprises about 8000 specimens representing 121 families, 725 genera, and 3459 species. In this article we publish a species list of the family Orchidaceae preserved in LW.

Keywords: herbarium LW, Ferdinand Schur's collection, Orchidaceae, type material

The herbarium of the Ivan Franko National University of Lviv [LW] is one of the oldest herbaria in Ukraine. It was founded in 1783 by Professor B. Schiwerek. The main funds of the herbarium contains about 270,000 specimens, including 43,000 specimens of nominal collections of A. Reman and F. Schur.

The collections of the Austrian scientist Ferdinand Schur (1799–1878) are held in Paris, Stockholm and Tokio. But in Lviv there is his largest collection (SPETA 1994). In his work 'Enumeratio Plantarum Transsylvanicae' Schur refers 1,040 genera and 4,622 species (SCHUR 1866). In the collection LW, 725 genera and 3,459 species of them are represented. There are doubtful data about the appearance of this collection in LW. It is quite uncertain how and when the collection was bought by the University of Lviv (SPETA 1994). It was bought either by Professor Adolf Weiss (1837–1894) for the Botanical Garden of the Lviv University (WICZKOWSKI 1907) or by Professor Theodor Ciesielski (1846–1916) (SPETA 1994), who followed Prof. A. Weiss as head of the Department of Botany of the University.

Schur's collection of the Lviv University is of great interest to scientists today because it comprises a great amount of type material (SPETA 1994) and Schur himself described many new species. We intend gradually and precisely to present this collection to the scientific community.

The collection of Dr F. Schur in the herbarium of the Ivan Franko National University of Lviv contains about 8,000 specimens representing 121 families, 725 genera and 3,459 species. The following list shows our complete holdings of Orchidaceae from Schur's collection:

- Anacamptis pyramidalis* (L.) Rich.
- Cephalanthera ensifolia* Rich. (*Epipactis ensifolia* Sw.)
- Cephalanthera ochroleuca* Rchb. (*Epipactis ochroleuca* Bmg.)
- Cephalanthera pallens* Rich. var. *brachyphylla* Schur
- Cephalanthera pallens* Rich. (*Epipactis pallens* Willd.)
- Cephalanthera rubra* (L.) Rich. (*Epipactis rubra* All.)
- Chamaeorchis alpina* R.Br. (*Arachnites alpina* (Hoffm.) Bmg.)
- Corallorrhiza innata* R.Br.

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Cypripedium calceolus L.

Epipactis atro-rubens Bmg. (*E. rubiginosa* Gaud.)

Epipactis atro-rubens Schult. (*E. latifolia atro-rubens* Hoffm.)

Epipactis latifolia All.



Figure 1: Herbarium sheet of *Gymnadenia transilvanica* Schur from the collection of Dr F. Schur.

The collection of Dr F. Schur in the Herbarium LW: Orchidaceae

Epipactis microphylla Sw.
Epipactis palustris (L.) Crantz.
Epipactis purpurata Sw.
Epipactis viridiflora Rchb.
Epipogium gmelini Rchb. (*Limodorum aphyllum* (Sw.) Bmg.)
Goodyera repens (L.) R.Br.
Gymnadenia conopsea (L.) R.Br.
Gymnadenia conopsea (L.) R.Br. var. *comigera* Rchb.
Gymnadenia conopsea (L.) R.Br. var. *alpine albiflora* (*O. ornithis* Jacq.) (Schur in sched.)
Gymnadenia odoratissima Rich.
Gymnadenia transilvanica Schur (figs. 1, 2)
Habenaria albida R.Br.
Habenaria densiflora Schur (= *H. transilvanica* Schur) (figs. 3, 4)
Herminium monorchis R.Br.
Himantoglossum cuprinum Spr. (*Aceras cuprina* Lindl.)
Limodorum abortivum (L.) Sw.
Listera cordata (L.) R.Br.
Listera ovata (L.) R.Br.
Malaxis monophyllos (L.) Sw.
Malaxis paludosa (L.) Sw.
Neottia nidus-avis (L.) Rich.
Nigritella angustifolia Rich.
Nigritella suaveolens Koch.
Ophrys apifera Huds.
Ophrys arachnitis Rich.
Ophrys aranifera Huds.
Ophrys muscifera Huds.

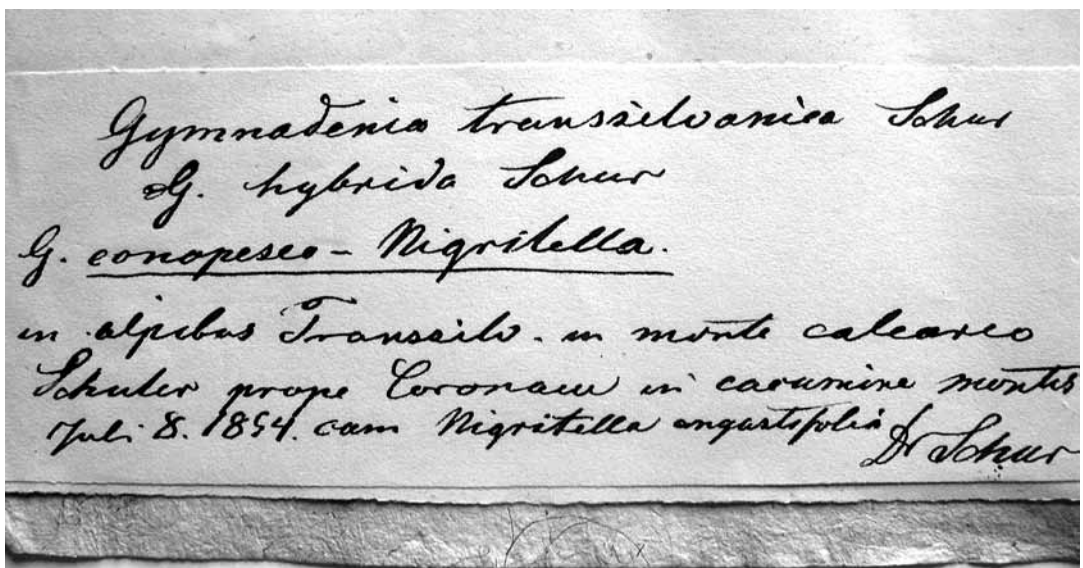


Figure 2: Label of the herbarium specimen of *Gymnadenia transilvanica* Schur from the collection of Dr F. Schur.

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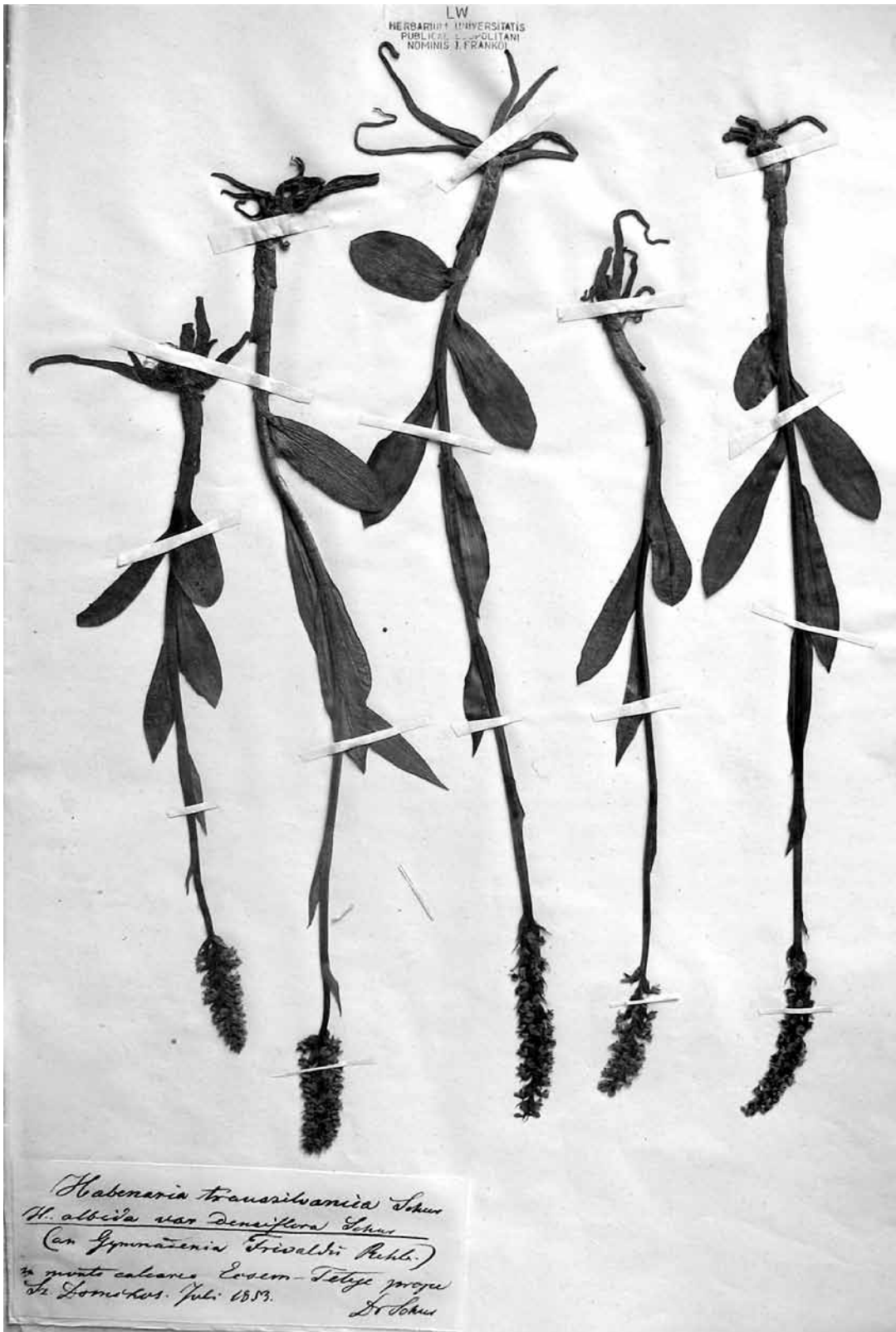


Figure 3: Herbarium sheet of *Habenaria densiflora* Schur (*H. transsilvanica* Schur) from the collection of Dr F. Schur.

The collection of Dr F. Schur in the Herbarium LW: Orchidaceae

Orchis coriophora L.
Orchis elegans Heuff.
Orchis elegans Heuff. (*O. palustris* Bmg.)
Orchis elegans Heuff. (*O. Heuffeliana* Schur)
Orchis foliosa Lindl.
Orchis fusca Jacq.
Orchis globosa L.
Orchis hybrida Bönningh.
Orchis incarnata L.
Orchis incarnata L. var. *pseudo-sambucina* Schur
Orchis lancibracteata C.Koch.
Orchis latifolia L.
Orchis latifolia Bmg.
Orchis maculata L.
Orchis maculata L. (*albiflora*) (*Orchis transsilvanica* Schur)
Orchis maculata L. var. *leucantha* (*O. transsilvanica* Schur)
Orchis mascula L.
Orchis militaris L.
Orchis militaris L. var. *arenaria* Schur
Orchis morio L.
Orchis morio L. (*O. laxifloro-morio* Schur)
Orchis morio L. var. *velutina*
Orchis pallens L.
Orchis papilionacea L. sp.
Orchis rivularis Heuff.
Orchis rivularis Heuff. (*O. cruenta* Rochel.)
Orchis sambucina L.
Orchis sambucina L. var. *purpurea* (*O. incarnata* Willd.)

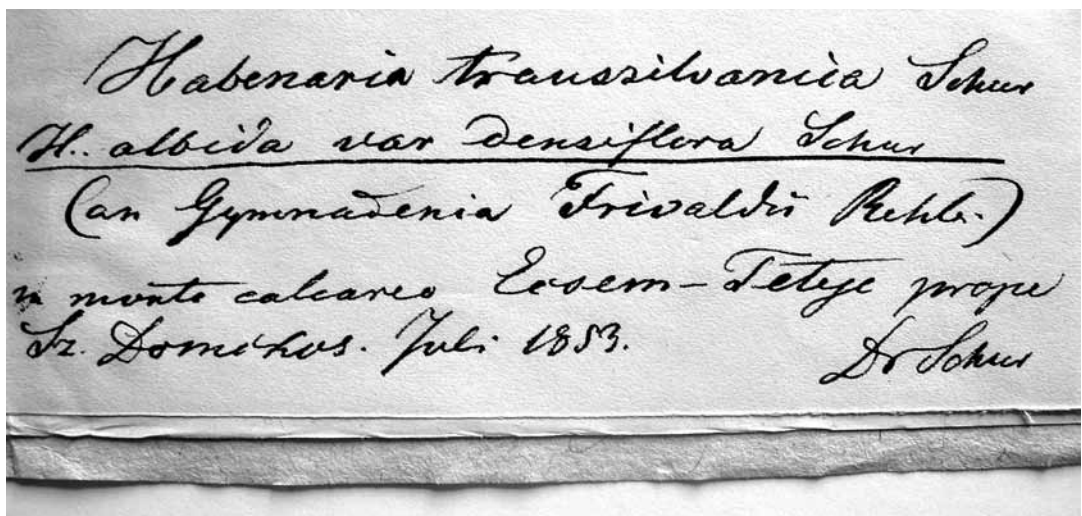


Figure 4: Label of the herbarium specimen of *Habenaria densiflora* Schur (*H. transsilvanica* Schur) from the collection of Dr F. Schur.

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Figure 5: Herbarium sheet of *Orchis transilvanica* Schur from the collection of Dr F. Schur

The collection of Dr F. Schur in the Herbarium LW: Orchidaceae

Orchis speciosa Host.
Orchis tabernemontani Gmel.
Orchis tabernemontani Gmel. (*O. morio laxiflora* Lerchenfeld)
Orchis taurica Lindl. (*O. variegata-militaris* Schur)
Orchis taurica Lindl.
Orchis tetragona Heuff.
Orchis transsilvanica Schur. (fig. 5)
Orchis traunsteineri Saut.
Orchis traunsteineri Saut. (*O. comosa* Schur)
Orchis ustulata L.
Orchis variegata All.
Peristylus viridis Lindl. (*Coeloglossum viride* Hartm.)
Platantera bifolia (L.) Rich.
Platantera chlorantha Cust.
Platanthera montana Rchb. fil.
Spiranthes autumnalis (Balb.) Rich.
Sturmia loeselii Rchb.

All plant names are given in the same manner as they are written on the original labels of the herbarium sheets in LW as well as in the 'Enumeratio Plantarum Transsilvaniae' (SCHUR 1866).

Acknowledgements

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