

21) *Hepática transsilvánica* M. FUSS wrong, but generally accepted spelling also: *H. transsylvánica*

Place and date of valid description or naming of the species: *Hepática transsilvánica* FUSS, *Verhandlungen und Mitteilungen des siebenbürgischen Vereins für Naturwissenschaften*, I. Jahrgang, 1850,

pp. 83-84 (Michael FUSS, 1814-1883; theologian and botanist, parish priest in Giereisau in Transylvania).

Topotýpus: Kronstadt/Hungary, Walz & Lanczy (Dörfler, *Herb. Norm.* 4702), Apr. & July 1900-1905.

Synonyms: *Anemóne transsylvánica* (M. FUSS) JANOS HEUFFEL

*Anemóne angulósa* auct. non LAM.,

*Hepática angulósa* auct. non (LAM.) DC.

*Hepática multilóba* F. SCHUR nom.nud. in: *Verhandlungen und Mitteilungen des siebenbürgischen Verein für Naturwissenschaften*, I. Jahrgang, 1850, p. 16 (Philipp Johann Ferdinand SCHUR, 1799-1878; Austrian. Botanist, author of 'Enumeratio Plantarum Transilvaniae')

*Hepática nóbilis* f. *multilóba* (CARL HARTMAN) JANCH.; also (or to *H. nóbilis* ? ):

*Hepática tríloba* f. *subquinquefólia* ZAPAŁOWICZ ? (Hugo ZAPAŁOWICZ, 1852-1971; auditor, erfor- of the flora of Galicia)

W. perennial, herbaceous perennial, to 15(-20) cm h., shoot axis is slightly oblique; forms, if site conditions are suitable, after several years it forms short, slightly horizontal creeping shoots

(formation of divídues or 'ramets' by stolons, in contrast to the formation of new

*Hepática nóbilis*), so that smaller groups can develop (see remarks on the natural cloning of *Hepática nóbilis*).

on natural cloning in *Hepática nóbilis*).

Wz. short rootstock, sprouting stolons (see above).

Bla. all basal leaves in basal rosette, petiolate, 3- to 5-lobed, hairy, deeply convex (to

to middle and even deeper), 5-8 cm Ø, margins serrate-toothed, texture rather coarse; pedicels 8-20 cm lg, little depressed-fuzzy.

Mon. (01-)-02-03(-04); first flower about 2 weeks earlier than *H. nóbilis*.

Flower. Perigón; , radial, basal, uniflorous; 3 cup-like bracts (involucral leaves), be-

hairy, ovate to ovate-lanceolate, above with 2-3 small teeth; immediately above 8-9 uni-

united bracts (tepals), these elongated-oval, obtuse, blue, also white and pink;

Flower 25-45 mm Ø, pedunculate, pedicel long.

Gr. yellowish

N. white to yellowish

Stbf. bluish; with white to bluish or reddish connective.

Stb. white to bluish; pollen five-pored, yellowish

Frkn. yellow to greenish

Verbr.

. Occurrence: Quote from first description M. FUSS: 'Habitat in Transsilvaniae subalpinis, solo rupestri, calcareo; around Brasov on the "Chapel Hill"; in the area of Elöpatak; frequent; March-April '

Romania: Mountain forests in central Romania (Transylvania; Carpathians, from Borzek to Deva, Burzenland around Kronstadt).

Rosental near Jena (spread here from the Botanical Garden Jena around 1900) \*)

Chromosomes <sup>1)</sup>: 2n = 28 (tetraploid species; number of chromosomes in cells; Mabuchi et al. 1987)

. Remarks: hépar (Greek)= liver or hepatikos (Greek) and hepaticus (Latin) = liver-like - s. Be- remarks on *Hepática nóbilis*;

*transsilvánica* or also *transsylvánica* (lat.) = originating from Transsilvânia (Romania);

German name: Siebenbürgener Leberblümchen, Transsylvanisches Leberblümchen, Ungarisches Le- liverwort;

Romanian: crucea voinicului; Hungarian: erdélyi májvirág (erdélyi = Transylvanian); English: Large Blue Hepáti- ca, Liverleaf; French: Hépatique de Transylvania; Russian: печёночница угловáтая (угловáтый = angular, similar to '*H. angulósa*'), печёночница трансильвáнская).

. Culture, use: substrate moist-humic, slightly calcareous; location cool, shady. Somewhat drought- more insensitive to drought and reportedly more floriferous and persistent in cultivation than *Hepática nóbilis* var. *nóbilis*..

Propagation by sowing immediately after seed maturity and by cuttings from the creeping shoots after flowering or in the shoots after flowering or in autumn; the forms only by cuttings.

Some cultivars of *Hepática transsilvánica*:

Designation Flower Remarks \_

'Álba' white

'Nívea' white

'Pure White' pure white, flower stalk an albino - leaves large and light green

light green

'Rósea' pink

'Lilacína' lilac blue

'Ada Scott' dark blue with creamy white from boughthen; exhibited in 1977 by Valerie Finnis stamens

'Blumenstadt Erfurt' sky blue, large-flowered; very cultivar of Andreas Händel, Neu Falkenrehde early, often already before Christmas

and rich flowering variety

'Eisvogel' bright white inside, light bluish outside bluish outside

'Elison Spence' semi-double, large-flowered, medium- from Ireland; exhibited 1973 by Molly Sanderson violet-blue as 'Flore Plena

'Carpathian Crown' sky-blue, roundish, to somewhat reminiscent of *Hepatica x média* 'Ballardii'; selected to 18 petals by Marlene S. Ahlburg, Rötgesbüttel  
'Konny Greenfield' blue, semi-double; similar from England  
'Elison Spence', but somewhat darker  
'Loddon Blue' medium blue from England  
'Swan Lake' pale pink, stamens red cultivated by Andreas Händel, Neu Falkenrehde  
'Struwelpeter' blue w.o.; very beautiful curled foliage  
'Supernova' large, dark purple star- w.o.; darkest flowers of the cultivars so far flowers, stamens snow white  
'Weinreichs Blaue' blue good growth habit  
'Weinreichs Weisse' white best, richest flowering white variety  
'Winterfreude' light blue, large very early flowering  
'Beutnagesl Weiße' white  
'Buis Strain' blue early flowering, often already in January

. Literature:

Fuss, Michael "Hepatica transsilvanica FUSS" - from: Verhandlungen und Mitteilungen des Siebenbürgischer Verein für Naturwissenschaften zu Hermannstadt, Hermannstadt, 1:83-84, 1850.

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Karl Foerster "The rock garden of the seven seasons" Neumann Verlag Leipzig-Radebeul, 8th ed. 1981 (S. 211).

Klaus Kaiser "Anemones" Publishing house Eugen Ulmer GmbH & Co. Stuttgart, 1995, p. 106.

Jürgen Peters "Leberblümchenkatalog" perennial nursery "Alpine Raritäten" Jürgen Peters, Uetersen, 2001 resp. 2002 (incl. M. D. Myers "A Review of the Genus Hepatica" 1990 in German translation).

\*) Tamara Krügel "Area and building development on the grounds of the Botanical Garden in Jena between 1576 and 1932" (study report), Verein zur Regionalförderung von Forschung, Innovation und Technologie für die Structural Development of Jena [et al.] (ReFIT), Jena 1997; 43 p.; ISBN 3-932087-04-6; p. 26.

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