

Generis *Gentiana* L. Tres Species Novae e Tibetia

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Three new species of *Gentiana* from Tibet are described. One of these, *Gentiana subpolytrichoides*, belongs to sect. *Chondrophylla* and the other two, *G. pseudazurea* and *G. Tischkovii*, to sect. *Gentianella*.

SECT. CHONDROPHYLLA

1. *Gentiana subpolytrichoides* Grubov, sp. nov.

(Fig. 1)

Planta annua 1.5–2 cm alta, fructifera (capsulifera) 3.5–4.5 cm alta, glabra, a basi ramosissima, ramis brevibus ad 5 mm longis, caespitulos minutos compactos formans. Folia basalia rosulata nulla, caulina 2–3 juga, lanceolata vel obovato-lanceolata, ad 4 mm longa. Flores pentameri solitarii, terminales, sessiles, erecti, arcte congesti; calyx rubens, tubulosus, 8–10 mm longus, dentibus reflexis transverse obalivus breviter mucronatis, margine cartilagineis in unguem brevem subito angustatis, sinus obtusis interjectis; corolla pallida coerulea vel alba (?) secus venas striis atropurpureis notata, anguste tubulosa 11–13 mm long, limbo subindistincto, lobis acute triangularibus 1.5–2 mm longis, plicis eis similibus, sed duplo brevioribus. Stamina tubo corollae inserta ca 1 mm longa, anthera ovali rosea 0.3 mm longa. Styli lineares ca 1.5 mm longi, stigmatis capitatis. Capsula lineariteres 7–9 mm longa, 1.5–2 mm lata, membranacea, maturitate stipite tenui 2.5–3.5 cm longo fulta.

Typus: Rep. Pop. Sinica. Tibetia: montes Himalaici, mons Czoja, 5200 m. s. m. declive ad septemtrionem expositum, in schistosis morenae recentis. 1 X 1991. A.A. Tischkov legit. In herbario Instituti Botanici

Acad. Sci. Rossicae, Petropoli (LE).

Species ex affinitate *G. squarrosae* Ledeb. *Gentianae bhutanicae* Grubov¹⁾, a qua floribus anguste tubulosis lobis acute triangularibus corollae limbi; capsulis linearibus stipite altissimo 2–3 cm alto e corolla exsertis differt. Habitu muscum *Polytrichum* in mentem revocat.

SECT. GENTIANELLA

2. *Gentiana pseudazurea* Grubov, sp. nov.

(Fig. 2a)

Planta annua 2.5–3.5 cm alta, a basi furcatim ramosa, glabra; caules ramique quadrangulares; folia obovata, in petiolum brevem 4–8 mm longum, 1.8–2.5 mm latum attenuata, obtusa, radicalia minora, cito emortientia. Flores 5-meri solitarii terminales pedicello ad 10 mm longo suffulti; calyx 4–5 mm longus, in lacinias oblongas vel oblongo-ovales (duas latiores), obtusas vel breviter acuminatas haud nigro-marginatas, basi haud tuberculatas ad basin fere dissectus; corolla pallide violacea, infundibuliformi-tubulosa, 8–9 mm longa, glabra, lobis ovalibus apice rotundatis, integerrimis erectis ca 3 mm longis. Stamina filamentis longis, antheris coeruleis, tubo corollae haud exsertis; ovarium sessile fusiforme stigmatis sessilibus. Capsula oblonga, corollae haud exserta. Semina ovalia laevia,

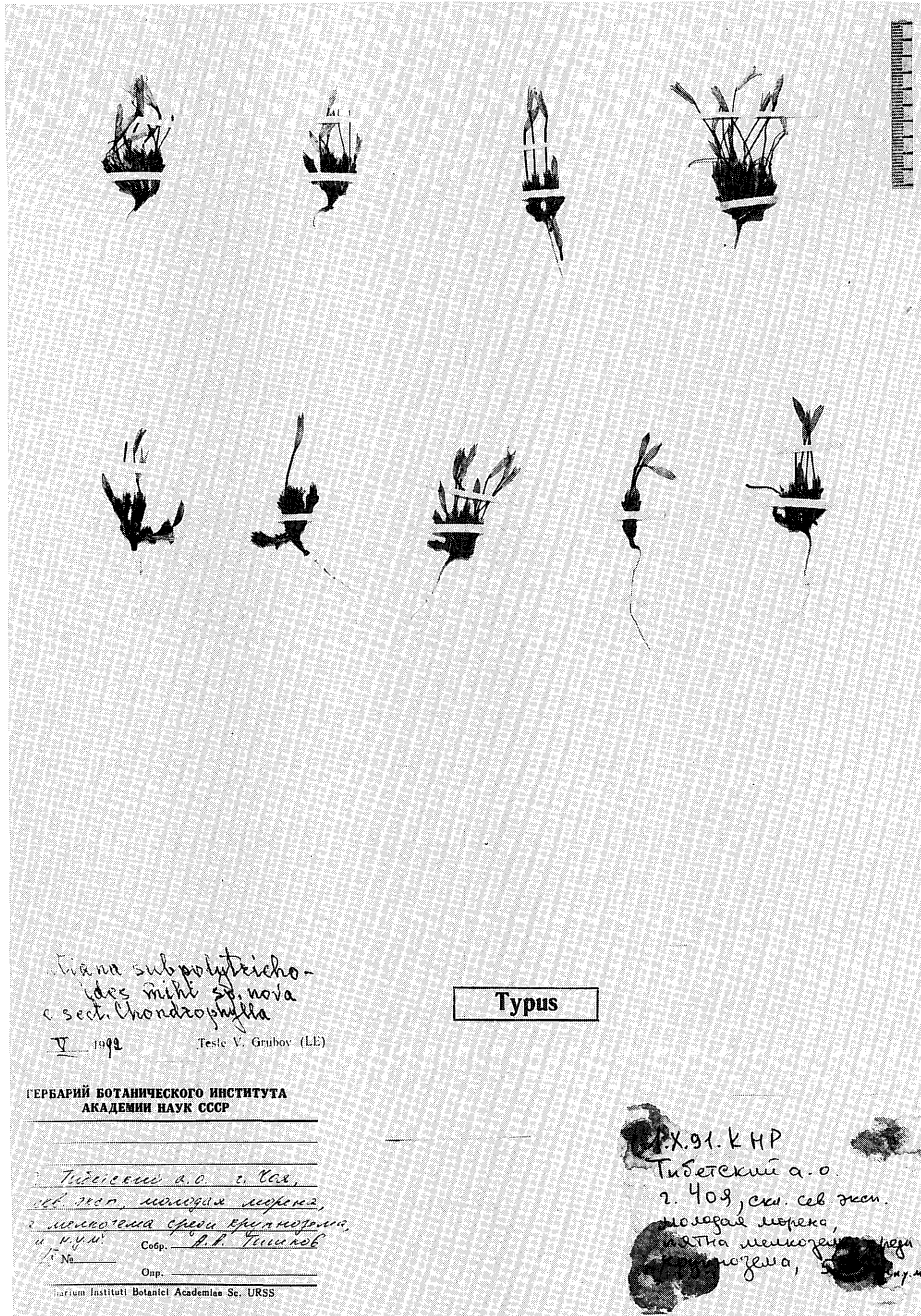


Fig. 1. Type of *Gentiana subpolytrichoides* Grubov.

0.5 mm longa.

Typus: Reip. Pop. Sinica. Tibetia: 4 km ad meridiem a lacu Pejku, 4900 m s.m., moraena vetusta, in declivi

arenificato. 3 IX 1991. A.A. Tischkov (LE).

A *Gentiana azurea* Bunge, cui affinis est, foliis petiolatis, calycis laciniis haud nigro-marginatis, basi

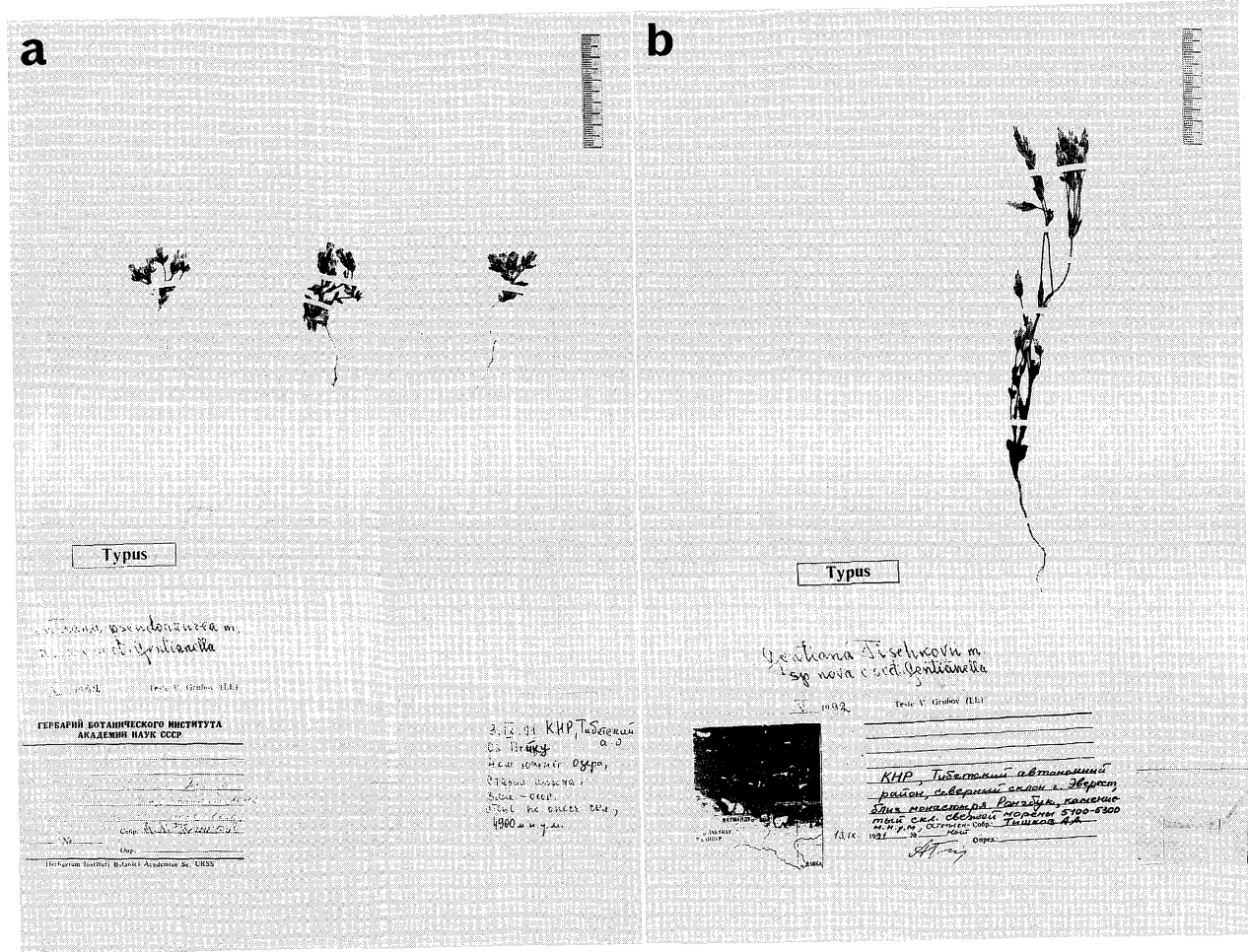


Fig. 2. Type of *Gentiana pseudazurea* Grubov (a) and type of *G. Tischkovii* Grubov (b).

haud tuberculatis, corollae pallide violaceae lobis rotundatis necnon ramificatione furcata differt.

3. *Gentiana Tischkovii* Grubov, sp. nov. (Fig. 2b)

Planta annua, glabra; caulis rectus tenuis, ca 18 cm altus, ramosus, ut rami a basi quadrangularis rubescens, ramis rectis strictis, foliis a superioribus lanceolatis ad obovata, breviter petiolatis, obtusis vel acutiusculis, ad 11 mm longis, radicalibus congestis sed non rosulatis, rubescentibus. Flores terminales solitarii, longe pedicellati, pedicellis ad 2 cm longis, 5-meri stricti; calyx viridis in lobos lanceolatos vel oblongos inaequimagnos 5.5–7 mm longos sinibus acutis interjectos usque ad basin dissectus; corolla pallide coerulea, tubulosa, 7–10 mm longa, 2–2.5 mm in diam., in lobos oblongo-ovatos rectos acumine brevi imposito ad medium fere dissectus. Stamina corollae haud exserta, filamentis tenuibus, antheris flavis. Ovarium estipitatum, stigmatis sessilibus. Capsula oblonga, corollae subexserta. Semina fusca ovalis,

0.8 mm longa, laevia.

Typus: Reip. Pop. Sinica. Tibetia: montes Himalaici, declive boreale montis Everest prope coenobium Rongbuk, 5100–5300 m s.m., declive lapidosum moraenae recentis. 13 IX 1991. A.A. Tischkov (LE).

A *Gentiana Moorcroftiana* Wall., cui affinis est, caulibus glabris, foliis obovatis vel lanceolatis (nec linearibus) et lobis calycinis sinibus acutis interjectis differt.

Species A. A. Tischkovio, Expeditionis Glaciologicae Sovietico-Chinensis Socii, collectionem plantarum pretiose meae legetis dedicatur.

Endnote

¹⁾*Gentiana bhutanica* Grubov, nom. nov.

Gentiana Andersonii Biswas in Hook. Icon. Pl. 34: tab. 3358 fig. 8–15 (1938), non Clarke in Journ. Linn. Soc. London 14: 436 (1875).

V. I. グルボフ：チベットからのリンドウ属植物 3新種

ヒマラヤ山脈北側のチベットで、中ソ氷河学会共同学術調査に参加した A. A. Tischkov が採集したリンドウ属植物に3つの新種が見いだされたので記載した。*Gentiana subpolytrichoides* は、ミヤマリンドウ節の1種で、コケリンドウやヒマラ

ヤの *G. bhutanica* Grubov に近縁である。*G. pseudoazurea* と *G. Tischkovii* は、チシマリンドウ節の種で前者は *G. azurea* Bunge, 後者は *G. Moorcroftiana* Wall. に近い。なお、Biswas が 1938 年 Hooker の *Icones Plantarum* 34 巻の 3358 図に発表した *G. Andersonii* Clarke は、*G. Andersonii* とは異なるので、*G. bhutanica* の新名を与えた。