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安徽旋蒴苣苔属(苦苣苔科)一新种*

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A NEW SPECIES OF *BOEA* (GESNERIACEAE) FROM ANHUI

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Key words *Boea*; *B. densihispidula*

关键词 旋蒴苣苔属; 安徽旋蒴苦苣苔

安徽旋蒴苣苔 新种 图 1

Boea densihispidula S. B. Zhou et X. H. Guo, sp. nov.

Species *B. clarkeanae* Hemsl. arcte affinis, sed herba omnino pilis multicellularibus albis dense obtusa, filamentis ovario stylo corolla calyceque extus dense glanduloso, calyce 7—9 mm longo, corolla caeruleo—purpurea, 14—17 mm longa, petiolis longioribus differt.

Herba perennis, omnino pilis multicellularibus albis dense obtusa, rhizomate breviter crasso. Folia omnia basilaria; laminae crasse chartaceae, ovato—ellipticae, ovatae vel obovatae, usque ad 10 cm longae, 6 cm latae, apice obtusae, basi cuneatae, margine supra basin regulariter crenatae, supra atro—virides, pilis albis rigidis multicellularibus densis et mollibus sparsis intermixis tectae, subtus cano—viridulae, magis dense albo—hispidulae, utrinque asperae, nervis lateralibus 5—7—jugis cum costa supra prominulis subtus valde elevatis; petioli cano—viriduli, usque 10 mm longi. Scapi 1—aliquot (persaepe 4), 12—20 cm alti, bis vel ter ramosi; bractee late ovatae, usque ad 9 mm longae; pedicelli vix ultra 5 mm longi. Calyx campanulatus, 7—9 mm longus, extus dense hispidulus, intus sparse hispidulus et dense glandulosus, 5—fidus, limbo leviter bilabiato, lobis ovato—triangulatis c. 4 mm longis apice obtusis, lobo mediano labii superioris leviter latiore dilute thalassicus. Corolla caeruleo—purpurea, 14—17 mm longa, extus dense albo—puberula, intus dense glandulosa, tubo campanulato—tubuloso leviter curvato, 10—12 mm longo, limbo bilabiato, labio superiore 2—lobato, 3—4 mm longo, labio inferiore 3—lobato 4—5 mm longo. Stamina anteriora 2 fertilia, prope medium tubi corollae inserta, filamentis

* 本文承王文采教授热情指导和审阅, 周秀芳同学帮助采集标本, 谨此一并致谢。

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curvatis dense glandulosis, antheris 2-lócularibus, divaricatis; staminodia superiora 3, linearia, lateralia longiora, medianum minutum. Discus annularis. Ovarium cylindricum, c. 7 mm longum, dense glandulosum, pluri-ovulatum; stylus robustus, c. 8 mm longus, dense glandulosus, stigma discoideum. Fructus ignotus.

Anhui (安徽): Guichi (贵池), Tanxi (棠溪), 1989.08.09, Zhou Xiu-fang (周秀芳) 89053 (Holotypus, ANU; Isotypus, PE).

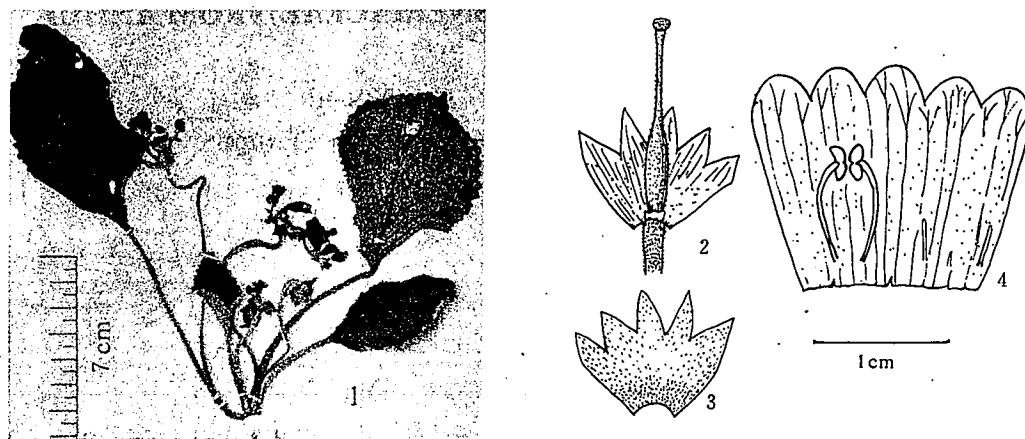


图1 安徽旋蒴苣苔 1. 植株; 2. 花萼和雌蕊; 3. 花萼外面观; 4. 花冠和雄蕊。
Fig.1 *Boea densihispidula* S. B. Zhou et X. H. Guo 1. habit; 2. Calyx and pistil; 3. outer view of calyx; 4. corolla and stamens.

本种与旋蒴苣苔 *Boea clarkeana* Hemsl. 相近似。但全体密被白色多细胞糙毛, 花丝、子房和花柱以及花冠、花萼的外面密被腺毛; 花萼长 7—9mm, 花冠蓝紫色和具较长的叶柄等特征可与后者区别。

多年生草本。全体密被白色多细胞糙毛, 具粗短根茎。叶基生; 叶片厚纸质, 卵状椭圆形、卵形或倒卵形, 长达 10cm, 宽达 6cm, 先端圆钝, 基部楔形, 边缘自基部以上具较整齐的圆钝齿; 上面深绿色, 除密被白色多细胞糙毛外, 并杂有细丝状的细毛, 下面灰绿色, 被更密的糙毛, 两面粗糙; 侧脉 5—7 对, 与中脉在上面微隆起, 下面甚隆起; 叶柄灰绿色, 长达 10cm。花葶 1—数条 (常 4 条), 高 12—20cm, 聚伞花序 2—3 回分枝; 苞片阔卵形, 长达 9mm; 花梗长不过 5mm。花萼钟形, 长 7—9 mm, 外面密被白色多细胞糙毛, 内面除疏被糙毛外并密被腺毛; 萼齿 5, 略呈二唇形, 齿裂卵状三角形, 长约 4mm, 先端圆钝, 上唇中裂片略宽, 微呈蓝绿色。花冠蓝紫色, 长 14—17 mm, 外面密被白色长柔毛, 内面密被腺毛; 花冠管钟状筒形, 略弯曲, 长 10—12mm, 冠管二唇形, 上唇 2 裂, 长 3—4mm, 下唇 3 裂, 长 4—5mm。雄蕊 5, 着生于冠管的中部; 前对 2 能育, 花丝弯曲密被腺毛, 花药 2 室、叉开, 后方退化雄蕊 3, 两侧一对, 花丝细瘦, 花药消失, 中间 1 枚极度退化, 仅存短细花丝。花盘环状。子房圆柱形, 长 7mm, 密被腺毛, 胚珠多数; 花柱粗壮, 长 8mm, 密被腺毛; 柱头盘状。果未见。

Zhou Shou-biao, doc. 10

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A New Species of *Boea* (Gesneriaceae) from Anhui* [477]

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Key words: *Boea*; *B. densihispidula*.

THE ANHUI BOEA New species Figure 1

Boea densihispidula S. B. Zhou et X. H. Guo, sp. nov.

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Anhui: ... Tanxi (Tangxi), ... [478]

Figure 1

This species is related to *Boea clarkeana* Hemsl., but differs from the latter in that the entire plant has a dense white many-celled hispid indument, filiform flowers, ovary, style, and outside of the corolla and calyx all having dense glandular hairs; calyx 7-9 mm long, corolla blue-purple and having longer petioles, and other characters.

Perennial herb. Entire plant with dense white many-celled hispid indument, and with thick, short rhizomes. Leaves basal; leaf blades thick chartaceous, ovateelliptic, ovate or obovate, to 10 cm long, to 6 cm broad, apex rotund, base cuneate, margin with relatively regular obtuse teeth from the base up; upper side deep green, and besides the dense white many-celled hispid indument, and also having filiform cilia, the lower side gray-green, more densely hispid, both sides rough; lateral veins of 5-7 pairs, they and the mid-vein slightly emersed on the upper side, strongly emersed on the lower side; petioles gray-green, to 10 cm long. Scapes 1-more (frequently 4), 12-20 cm tall, cymes 2-3-times branched; bracts broadly ovate, to 9 mm long; pedicels not more than 5 mm long. Calyx campanulate, 7-9 mm long, outside with dense white many-celled hispid indument, inside with sparse hispid indument and dense glandular hairs; calyx lobes 5, calyx somewhat bilabiate, the lobes ovate-triangular, ca. 4 mm

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long, apex rotund, upper lip middle lobe somewhat broad, slightly blue-green. Corolla blue-purple, 14-17 mm long, outside with dense white villous indument, inside with dense glandular hairs; corolla tube campanulate tubular, somewhat curved, 10-12 mm long, limb bilabiate, upper lip 2-lobed, 3-4 mm long, lower lip 3-lobed, 4-5 mm long.

Stamens 5, inserted at the middle of the corolla tube; the 2 of the anterior pair fertile, filaments curved and with dense glandular hairs, anthers 2-loculed, reflexed, rear staminodes 3, one pair on each side [I'm not clear that this is clear -- HW], filaments slender, anthers absent, the middle one extremely reduced, with only a short and slender filament. Disc annular. Ovary terete, 7 mm long, with dense glandular hairs, ovules many; style stout, 8 mm long, with dense glandular hairs; stigma disciform. Fruit not seen.