

植株矮小,高仅 1.5—2 厘米。根状茎纤细,丝状,粗约 0.2 毫米,横走,黑褐色,密被黑褐色的短毛。叶远生,相距 4—5 毫米;叶柄很短,长约 2 毫米,褐色,基部被短毛,向上几光滑,上部有狭翅;叶片长圆卵形至近于扇形,长 0.5—1.5 厘米,宽 0.4—0.8 厘米,先端钝圆或渐尖,基部楔形,一回羽裂;裂片 2—4 对,互生,斜向上,线状长圆形,长 2—4 毫米,宽 1—2 毫米,单一或分叉,相距 1—3 毫米,钝圆头,全缘。叶脉叉状,暗褐色,两面稍隆起,无毛,末回裂片有小脉 1 条,沿叶缘有 1 条连续不断的假脉,这假脉与叶缘之间有 2—3 行细胞相隔,连续的假脉与叶脉之间尚有断续而与叶脉并行的假脉分散于叶肉中。叶为薄膜质,半透明,干后淡绿褐色,光滑无毛;叶轴暗褐色,全部有阔翅,翅连轴宽 1—1.5 毫米,无毛。孢子囊群着生于长裂片顶端,亦有生于长裂片基部之短裂片顶端;囊苞倒圆锥形,长约 1.2 毫米,宽约 1 毫米,两侧有阔翅,其下裂片不缩狭,口部膨大并浅裂为两唇瓣,唇瓣先端阔圆形;囊群托突出,纤细,黑褐色,长约 2 毫米。

产于台湾、广东、香港。生于山谷岩石上。其分布从印度北部、阿萨姆经泰国、越南至我国南部。

6. 边上假脉蕨

Crepidomanes pinnatifidum Ching et Chiu, sp. nov.

植株矮小,高约 1—2 厘米。根状茎纤细,丝状,粗约 0.2 毫米,横走,黑褐色,密被黑褐色的短毛。叶远生,相距 1—3 厘米,无柄或有极短的柄;叶片楔形或近于扇形至长圆披针形,长 1—2 厘米,宽 4—8 毫米,先端钝或截形至圆形,基部楔形,指状分裂或扇状分裂至一回羽裂;裂片 2—10 个,互生,极斜向上,长圆线形,长 2—5 毫米,宽 1—1.5 毫米,单一或浅分叉,相距 1—2 毫米,圆头,全缘而稍呈波浪状。叶脉叉状,暗绿褐色,两面明显,无毛。末回裂片有小脉 1—(2) 条,沿叶缘有 1 条连续不断的粗壮假脉,它正生在叶边上并无细胞相隔,叶肉间散生与叶脉并行的断续假脉。叶为薄膜质,干后暗绿色,光滑无毛,细胞壁厚而形成深洼点状。叶轴暗绿褐色,有阔翅,无毛。孢子囊群着生于上部裂片顶端;囊苞漏斗形,长约 1.5 毫米,宽 1 毫米,两侧有阔翅,其下的裂片不缩狭,口部膨大并浅裂为两唇瓣,唇瓣先端阔圆形;囊群托突出,长 2—3 毫米,稍弯弓,褐色,纤细。

本种为云南东南部(河口,南溪)特产。生长在阴暗森林下水沟旁的岩石上,海拔 150—200 米。

7. 翅柄假脉蕨

Crepidomanes latealatum (v. d. B.) Cop. in Philip. Journ. Sci. LXVII (1938)

pedicelliformem attenuatis, ultra medium divisis, valvis oblongis, brunneis, lateribus integris, apice conspicue spinescenti-dentatis.

Yunnan austr.-orient., King-ping Hsien, Lai Ta Shui, leg. *Tsu Yong-cheng* No. 474, V, 19, 1953.

7. **Hymenophyllum whangshanense** Ching et Chiu, sp. nov.

Rhizomate late repente, filiforme, nigro, breviter radicoso, pilis rufis, praesertim ad pedem stipitis dense vestito; frondibus valde distantibus, stipite 1.5—2 cm longo, nigro, exalato (vel in juvenilibus ca. 4 mm longo), copiose rufo-piloso, lamina adulta 6—7 cm longa, 1.5—2 cm lata, elongato-oblonga vel elongato-ovata, subacuta, basi breviter cuneata, bipinnata, rachi subflexuosa, nigra, ubique alata, ala plana, integra, infra glabra, surpa uti costis nervisque pilis rufis, adpressis dense onusta; pinnis ad 10-jugis, contiguis vel subimbricatis, obliquis, inferioribus parum abbreviatis, medialibus 1—1.3 cm longis, 4—5 mm latis, oblongo-cuneatis, obtusis, basi inaequalibus, inferiore cuneatis, superiore parum productis, ad costam alatum pinnatifidis; segmentis in pinnis basalibus 3-jugis, in medialibus 4—5-jugis, 2—3 mm longis, 1 mm latis, ligulato-linearibus, infimis acroscopicis 2—4-furcatis, ceteris fere indivisis, obliquis, obtusis, spatio angustato separatis, margine planis, ubique regulariter et densius spinoso-dentatis, dentibus spiniformibus, sat longis, patentibus; nervis nigris, prominentibus; textura membranacea, colore in sicco obscure viridi; soris ad partem superiorem frondis restrictis, numerosis, in segmentis terminalibus, indusiis mediocribus e basi ovata versus apicem acutum parum angustato-elongatis, quam lobis soriferis vix aut paululum angustioribus, ad vel ultra medium fissis, valvis angusto-deltoides acutis, margine praecipue ad apicem longe denseque spinosis.

Anhwei austr., Whang Shan, leg. *P. S. Chiu* No. 131, VI, 1954.

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6. **Crepidomanes pinnatifidum** Ching et Chiu, sp. nov.

Pusillum, rhizomate late repente, vix 1 mm crasso, intricato, dense brunneo-piloso; frondibus distantibus, erectis, subsessilibus vel breviter petiolatis, 1—3 cm longis, 4—8 mm latis, oblongis vel late lanceolatis, obtusis, basi cuneatis, in stipitem brevem decurrentibus, glabris, obscure viridibus, herbaceis, pellucidis, ad alam latam costae pinnatifidis (interdum 2—3-furcatis); segmentis 3—5-jugis, obliquis, 3—4 mm longis, 1.5 mm latis, apice obtusis vel interdum reutis, margine incrassatis, integris, planis; nervis distinctis, crassis concoloribus, venulis spuris brevibus vel longis, inter nervas et margines oblique uniserialibus; soris in segmentis terminalibus, involucri fere omnino immerso, infundibuliformi, utroque latere late alato, ore dilatato, quam truncato potius subrotundato, leviter bilabiato, integro, receptaculo nigro, longe exserto.

Yunnan austr.-orient., Hokou, Nan-chi, between Na-we and Ma-touyi, on wet rocks, 150 m alt., leg. *V. M. Chu* No. 84, III, 28, 1954.

8. **Crepidomanes chiuii** Ching et Chiu, sp. nov.

Rhizomate late repente, radiculis carente, sed densissime nigro-tomentoso; frondibus distantibus, erectis, stipite plerumque 2 cm longo, viride, compresso, utroque usque ad fere pedem anguste alato, nudo; lamina 9—11 cm longa, 3—6 cm lata, breviter acuminata, tripinnatifida, rachi viridi, compressa, alis planis angustis marginata; pinnis infra apicem pinnatifidum 8—10-jugis, obliquis, contiguis, alternis, vel inferioribus suboppositis, sessilibus, basalibus parum