

厘米,寬 12—15 毫米,相距約 3 厘米,先端鈍或短尖,基部闊斜楔形;小羽片 6—8 对,互生,无柄,稍斜向上,长圓形,长 4—6 毫米,寬 3—4 毫米,基部下側小羽片最大并常复盖叶軸,圓头,基部下側下延,相距 2—3 毫米,上部浅羽裂;末回裂片 2—3 对,极偏斜,密接,长圓綫形,长 1—2 毫米,寬 0.8—1 毫米,圓头,全緣。叶脉叉状分枝,暗綠褐色,两面明显隆起,无毛,末回裂片有小脉 1 条,不达裂片先端。叶膜質至薄草質,干后深青黑色,两面无毛。叶軸及羽軸暗綠褐色,叶軸兩側有狭翅,上面有浅沟,无毛。孢子囊羣生在小羽片腋間,每羽片上有 4—6 对;囊苞狭漏斗状,长约 1.5 毫米,兩側有狭翅,口部膨大,浅裂为两唇瓣而外捲;囊羣托突出,弯弓,黃褐色,长约 2 毫米。

产于云南东南部(河口,南溪)。生于原始森林下阴湿的山沟旁,附生于树干上或岩石上,海拔 300—500 米。也产于越南北部。

7. 罗浮山瓶蕨

Vandenboschia lofoushanensis Ching, sp. nov.

植株高 15—18 厘米。根状莖长,横走,粗 1.5—2 毫米,黑褐色,密被黑褐色有光泽的多細胞的节状毛,下面疏生密被节状毛的纖維状的根。叶远生,相距 0.5—2 厘米;叶柄长 5—10 厘米,粗約 1 毫米,淡綠色,兩側有闊翅几达基部,翅多少褶皱,連叶柄寬約 2 毫米;叶片长圓卵形,长 8—10 厘米,寬 4—5 厘米,三回羽状深裂;羽片 8—10 对,互生或基部的对生,有柄,稍斜向上,长圓卵形至卵状三角形,长 2—3 厘米,寬 1.5—2 厘米,相距 1—1.5 厘米,先端鈍,基部近心脏形至闊斜楔形;小羽片 3—5 对,互生,无柄,几开展至斜向上,卵形至长圓形,长 8—10 毫米,寬 4—6 毫米,鈍头,基部楔形,相距 3—4 毫米,深羽裂几达有翅的小羽軸;末回裂片狭綫形,长 2—3 毫米,寬約 0.8 毫米,单一或分叉,斜向上,密接,圓头,全緣。叶脉叉状分枝,淡綠褐色,两面明显隆起,无毛,末回裂片有小脉 1—(2) 条,不达裂片先端。叶薄膜質,干后綠色或暗綠色,无毛;叶軸及羽軸淡綠褐色,均有多少褶皱的闊翅,光滑无毛。孢子囊羣生在叶片上部向軸的短裂片頂端;囊苞狭管状,长约 1 毫米,兩側有狭翅,口部截形而不膨大;囊羣托长,突出,纤细,长达 3 毫米,稍弯弓。

为广东(博罗县,罗浮山)特产。生于密林下岩石上。

8. 南海瓶蕨 长柄瓶蕨(中国主要植物图說,蕨类植物門)

Vandenboschia radicans (Sw.) Cop. in Philip. Journ. Sci. LXVII (1938) 54; H. Ito, Fil. Jap. Illustr. (1944) t. 469; 傅书遐,中国主要植物图說(蕨类植物門) (1957) 38 頁, 45 图——*Trichomanes radicans* Sw. in Schrad. Journ. (1800) 97; Fl. Ind. Occid. III (1806) 1736; Hook. Sp. Fil. I (1846) 125; Dunn & Tutch. Fl.

spuriis 1—2 seriatis, interruptis, prope marginem positis; soris in dimidia parte apicali in axillis pinnulium insidentibus, utroque costae latere 2—3-jugis, 1.5 mm longis, involucri viride, glabro, inferne obconico-tubuloso, aequaliter angustato, e basi attenuata immersa versus orem sensim valde expanso, apice late rotundato, integro, leviter bilabiato, receptaculo atro-fusco, crasso, saepius exserto, longioreque.

Yunnan austr.-orient., Hokou, Nan-chi, 200 m alt., on tree trunks, leg. V. M. Chu No. 2741, (1955).

Vandenboschia Cop.

7. Vandenboschia lofoushanensis Ching sp. nov.

Rhizomate late repente, 2 mm crasso, atro-fusco-tomentoso; frondibus distantibus, erectis, stipite 6—10 cm longo, pallide viride, glabro, per totam longitudinem ut rachi alato, ala crispato-undulata, viridi, 2.4 mm lata, deorsum ad pedem stipitis anguste decurrente; lamina 9—10 cm longa, 5—6 cm lata, ovata vel oblongo-ovata, 3—4-pinnatifida, rachi alata (ala lata, plana vel saepius satis undulata), herbacea, glabra, colore in sicco pallide viridi; pinnis ultra 10-jugis, obliquis, contiguis vel subimbricatis, alternis, petiolatis (petiolo 2—3 mm longo, late alato), basalibus non abbreviatis, latoribus, deltoideo-ovatis, obtusis, ad 3 mm longis, 2 cm latis, basi subcordatis, sequentibus sensim abbreviatis, oblongis, basi inaequalibus, antice rectis, postice obliquis, ad rachillam alatum undulatam pinnatis; pinnulis primariis oblongis, (vel basiscopica in pinna infima deltoideo-ovata), anadromice dispositis (sed basali anteriori haud majore et producta), 1—1.2 cm longis, 5 mm latis, omnibus profunde ad costam alatum pinnatifidis; segmentis in pinnis infimis iterum 2—3-furcatis, in superioribus simplicibus vel furcatis, omnibus linearibus vel lineari-ligulatis, 3—5 mm longis, vix 1 mm latis, apice parum angustatis obtusisque, margine integris, planis; soris ad partem superiorem frondis restrictis, axillaribus, acroscopicis, sessilibus, involucri usque ad 2 mm longo, viride, e basi angustiore infundibuliforme, utroque latere angustissime marginato, ore leviter dilatato, nec bilabiato, sed integro, receptaculo gracili, exserto, ca. duplo longiore quam involucri.

Kwangtung, Lo-fou Shan, on rocks, leg. N. K. Chun No. 41494, VIII, 2, 1930.

Selenodesmium (Prantl) Cop.

3. Selenodesmium recurvum Ching et Chiu, sp. nov.

Rhizomate breve, repente vel suberecto, radiculoso, uti stipite pilis atro-rufis sat longis, articulatis sparse oblecto; frondibus fasciculatis, rigidis, erectis, stipite 5 cm longo, vix 1 mm crasso, duro, terete, obscuro-olivaceo, primum sat dense pilis iisdem rhizomatis patentibus onusto, demum supra basi subglabrescente; lamina ad 10 cm longa, 3 cm lata, anguste oblonga, bipinnata, acuminata, rachi tereti, exalata, inferne rufo-pilosa, superne glabrata; pinnis 12—15-jugis, oblique patentibus, sese separatis, petiolo ca. 2 mm longo, terete, exalato, pustulato-puberulo suffultis, inferioribus oppositis, infimis parum vel vix abbreviatis, sequentibus 2—2.5 cm longis, 8—10 mm latis, lanceolatis, subfalcatis, acutis vel subacuminatis, basi inaequalibus, antice rectis, postice cuneatis, pinnatis; pinnulis infra apicem pinnatifidum 6—8-jugis, valde obliquis, approximatis, basali anteriori majore, 6—7 mm longa, sequentibus gradatim minoribus, omnibus subsessilibus, ad costam anguste decurrentibus, utroque costulae