

小羽片与上部各羽片相似而較小。叶脉二叉分枝,小脉 20 条左右,紧密,下面稍明显,上面不显。叶草質,干后灰綠色,叶軸禾稈色至棕栗色,有四稜。孢子囊羣連續不断成长綫形,或偶为缺刻所中断;囊羣盖綫形,狭,棕色,膜質,有細齿牙,几达叶緣。

产台湾、福建(武夷山以南)、广东、海南、广西、贵州、四川东南部到达云南南部。热带亚洲各地及澳洲都有分布。

10. 假团叶陵齒蕨

Lindsaea simulans Ching, sp. nov.

植株高 20—27 厘米。根状莖短而橫走,先端密被紅棕色的狭小鱗片。叶近生;叶柄长 11—14 厘米,栗棕色,上部色泽漸淡,有四稜,光滑;叶片綫状披針形,长 10—16 厘米,寬 1.8—2.7 厘米,一回羽状;羽片 12—18 对,下部各羽片几对生,远离,中部的接近,上部的几呈复瓦状,开展,有柄,柄长 1 毫米;羽片对开式,近长方形,长 1—1.2 厘米,寬 7 毫米,基部广楔形,先端圓,下緣凹入或几平直,內緣通直,上緣圓弧形,邊緣有不整齐的嚙蝕状齿牙,在不育株上的为粗齿牙。下部 1—2 对羽片有时稍长,并为羽状分裂,有少数狭扇形的小羽片。叶脉二叉分枝,小脉約 12 条,稀疏,下面可見,上面不显。叶草質,干后灰綠色,叶軸禾稈色至褐色,有四稜。孢子囊羣連續成长綫形;囊羣盖綫形,寬 0.5 毫米,灰綠色,膜質,几全緣,远离叶边約 1 毫米。

产广东(翁源县,青云山)。生山坡灌丛中。

本种形体极似团叶陵齒蕨 *L. orbiculata* (Lam.) Mett. 但叶柄为四方形,羽片为近长方形,小脉仅約 12 条,稀疏,囊羣盖远离叶边,故易区别。

11. 蔓生陵齒蕨

Lindsaea merrillii Cop. in Perkin's Fragm. (1905) 181; Polyp. Philip. (1905) 61; C. Chr. Ind. Fil. (1905) 395; v. A. v. R. Handb. Mal. Ferns (1908) 264; Tagawa in Acta Phytotax. et Geobot. VI (1937) 30, f. 2 E-F.

根状莖粗长,橫走,攀援,直径約 1.5—2 毫米,紅棕色,有光泽,密被紅棕色、披針形而全緣的鱗片。叶远生;叶柄长 1—3 厘米,下部紅棕色,上部禾稈色,除基部为圓柱形外,通体为四稜形;叶片綫形,长 30—50 厘米,寬 2.5—3 厘米,一回羽状,向两端稍狭,先端漸尖;羽片达 80 对,互生或基部近对生,下部各羽片远离,其余各羽片接近,但不为复瓦状,开展,几无柄;羽片对开式,长三角形,长达 2 厘米,寬达 7 毫米,基部楔形,先端鈍,下緣平直,近基部处上弯,內緣平直,长仅为下緣的 1/3,上緣稍呈弧形,有齿牙状缺刻,齿牙急尖或鈍头。叶脉二叉分枝,上面不显,下面稍显。叶膜質,干后呈灰綠色,无毛,叶軸禾稈色,或基部带褐色,有四稜,在上部有浅沟。孢子囊羣近边

4. *Hypolepis glabrescens* Ching, sp. nov.

Stipite 40 cm longo, 3 mm crasso, rufo-brunneo, nitido, glabro, plus minusve scabro; lamina oblonga, ca. 60 cm longa, 30 cm basi lata, acuminata, tripinnatifida vel basi subtripinnata; pinnis 18-jugis, oblique patentibus, petiolatis, inferioribus majoribus, 6 cm inter se remotis, 15 cm longis, 4.5—5 cm latis, lanceolatis, acuminatis, basi aequaliter truncatis, petiolo 1 cm longo, ut rachilla glabro suffultis; pinnulis ca. 20-jugis, patentibus, approximatis, 3—4 cm longis, 8—12 mm latis, oblongis, acutis vel obtusiusculis, breviter petiolulatis vel fere sessilibus aut leviter adnatis, fere usque ad costam profunde pinnatifidis; segmentis 6-8-jugis, oblongis, obliquis, obtusis, contiguis, dentatis; nervis in segmentis pinnatis, 3-jugis, indivisis, infra prominulis, supra obscuris; textura chartacea, colore in sicco flavescente viridi, paginis utrisque glabris vel glabrescentibus; soris uno pro segmento, in ramo basali anteriore ad sinum positus, dentibus soriferis vix reflexis.

Yunnan occid., Yen-kiang, south of Teng-chung, 1100 m alt., leg. R. C. Ching No. 50766, XI, 1952.

Monachosorum Kunze

2. *Monachosorum elegans* Ching, sp. nov.

Rhizomate breve, obliquo; frondibus caespitosis, stipite 5—11 cm longo, viridi-stramineo, tota longitudine ut rachis ferrugineo-glanduloso; lamina ad 22 cm longa, 6—9 cm medio lata, oblongo-lanceolata vel late lanceolata, acuminata, basi haud decrescente, tripinnata, supra medium rachidis ad axillas pinnarum bulbifera; pinnis circa 15-jugis, alternis, patentibus, contiguis, basalibus non abbreviatis, 5—7 cm longis, 2 cm latis, lanceolatis, acuminatis, ad apicem plus minusve curvatis, basi aequalibus, truncatis, petiolo 3 mm longo suffultis, a rachide sub angulo antico 70° divaricatis; pinnulis circa 15-jugis, patentibus, confertis, 1 cm longis, 4 mm latis, oblongis, anadromicis, basali latere superiore inferioreque similibus, obtusis, basi inaequalibus, postice obliquis, antice truncatis et ad rachillam pinnularum appressis, brevissime petiolulatis; pinnulis ultimis utroque costae latere circa 5-jugis, 2 mm longis, 1.5 mm latis, ovatis, margine paulo incis; lobulis 3—4, ovatis, apice breviter apiculatis, uninerviis, pagina superne glabra, inferne ad venas venulasque glandulis minutis, adpressis, sparsis obtectis; soris parvis, rotundatis, in venulis subterminalibus, uno pro segmento vel 2—4 pro pinnula.

Kwangsi, Yao Shan, leg. C. Wang No. 40198, XI, 16, 1936, on moist cliff.

Lindsaea Dryander

9. *Lindsaea simulans* Ching, sp. nov.

Species adspectu generali *L. orbiculatae* (Lam.) Mett. exacte similis, differt fronde plerumque simpliciter pinnata, pinnis dimidiato-rhomboideis, nervis multo laxis (ca. 12 pro pinna), nec densis sed a se distantibus, indusiis e margine magis remotis et stipite quadrangulati.

Kwangtung, Wong-yuan Hsien, Tsing Yen Shan, dry hillside, leg. S. K. Lau No. 2130, VIII, 10—13, 1933; leg. K. K. Tsoong No. 1639. Kwangsi, Ping-nan Hsien, Yao-shan, No. 88 ex Herb. Department of Biology, Kwangsi University; Min Shan, Lu-chien Hsien,

leg. *R. C. Ching* No. 5940, under woods, VI, 13, 1928. Yunnan, Mar-li-po, Bar-bu, under dense woods, leg. *C. W. Wang* No. 86578, II, 3, 1940.

15. ***Lindsaea taiwaniana*** Ching, sp. nov.

Species configuratione *L. commixtae* Tagawa proxime affinis, recedit pinnulis multo minoribus et indusiis e margine magis remotis.

Rhizomate breve, repente, paleis lineari-subulatis, atro-ferrugineis oblecto; frondibus numerosis, approximatis, stipite usque ad 21 cm longo, tenui, atro-castaneo, supra medium stramineo, tereti, supra anguste sulcato; lamina 9—11 cm longa, 7—8 cm basi lata, deltoidea, parte apicali simpliciter pinnata et in caudum linearem 5—7 cm longum 1.5 cm basi latum subito contracta; pinnis ca. 3-jugis inferioribus prolongatis, linearibus, distantibus, pinnatis, oppositis, basalibus majoribus, cauda terminali similibus, 4—6.5 cm longis, 1—1.5 cm latis, breviter petiolatis, patentibus vel parum incurvatim obliquis; pinnulis utroque 5-12-jugis, 6—7 mm longis, flabelliformibus vel rhomboideis cum margine inferiore et interiore rectis, exteriore aut anteriore rotundatis, integris, vel minutissime denticulatis, rarius 1-2-incisis; nervis utrinque notatis, textura folii herbacea, sat firma, colore in sicco obscure viridi; soris continuis rarius interruptis, indusiis angustatis, griseis, e margine magis remotis (margine exteriore quam indusio duplo latiore).

Taiwan, leg. *W. Hancock* No. 10 (typus), No. 128.

16. ***Lindsaea conformis*** Ching, sp. nov.

Species statura *L. tenerae* Dry., differt pinnulis fertilibus margine eroso-denticulatis, sterilibus acute dentatis, indusiis e margine magis remotis.

Rhizomate breve, repente, paleis lineari-subulatis, luteo-ferrugineis dense oblecto; frondibus numerosis, approximatis, stipite usque ad 22 cm longo, tenui, rufo-brunneo vel sursum stramineo, nitido, infra tereti, supra sulcato; lamina 9—16 cm longa, 6—10 cm basi lata, elongato-deltoidea, acuminata, bipinnata infra apicem acuminatum pinnatifidum; pinnis pinnatis, 5-7-jugis, obliquis, oppositis vel subalternis, basalibus majoribus, 4—7 cm longis, late lanceolatis, acutis, breviter petiolatis; pinnulis 6-12-jugis, contiguis, 4—6 mm longis, flabelliformibus vel dimidiato-rhomboideis, latere inferiore interioreque rectis, superiore exterioreque lobato-incisis, lobulis vix 2—3 mm longis et latis, margine eroso-denticulatis vel in foliis sterilibus acute grosso-dentatis; soris 2—3 pro pinnula vel uno pro lobulo, venas 2—5 occupantibus, indusiis angustatis, griseis, e margine magis remotis.

Kwangtung, Tsung-hwa Hsien, Sam Kok Shan, leg. *W. T. Tsang* No. 24950, III, 1—16, 1936.

19. ***Lindsaea liankwangensis*** Ching, sp. nov.

Lindsaea orbiculata var. *deltoidea* Wu, Pong et Wong in Bull. Dept. Biol. No. 3 (1932) t. 58—*L. chienii* var. *deltoidea* Tagawa in Acta Phytotax. et Geobot. VI (1937) 37.

Rhizomate breve, repente, paleaceo; frondibus approximatis, stipite 12 cm longo, atropurpureo, infra tereti, supra plano, marginato; lamina 10—12 cm longa basi lata, deltoidea, acuminata, bipinnata infra apicem acuminatum pinnatifidum; pinnis ca. 10-jugis, patentibus, breviter petiolatis, alternis vel suboppositis, inferioribus 4-5-jugis, pinnatis, distantibus, superioribus simplicibus, approximatis, infimis longioribus, 5—6 cm longis, 1.2—1.5 cm latis, lanceolatis, infra lobum apicalem deltoideo-acuminatum sat magnum indivisum pinnatis; pin-