

的較上側的为小,基部均沿狭翅下延,边缘有圆浅裂或有粗齿牙。叶脉两面明显,羽状,斜出,分叉。叶为薄草质,干后草绿色,两面光滑,惟小羽轴下面稍有短灰毛;叶轴及羽轴上也有灰软毛。孢子囊群小,远离叶缘,每小羽片有3—5个,上边3个,下边2个;囊群盖小,膜质,近圆形,光滑。

特产广西徕山及广东乐昌。生林下。

42. 尾叶鳞盖蕨

Microlepia caudiformis Ching, sp. nov.

植株高达75厘米。叶远生,柄长20厘米,直径2毫米,有稜沟,被棕色短毛。叶片长约50厘米,基部宽25厘米左右,卵状长圆形,先端长,渐尖头,并为一回羽状,向下为三回羽状深裂;羽片12—14对,下部的长15厘米左右,宽4—5厘米,柄长3—5毫米,基部等宽,先端长渐尖,尾头,二回羽状深裂;一回小羽片在羽裂的渐尖头以下约为16—18对,中部以下的长2.5—3厘米,宽6—8毫米,披针形,先端尾头,基部不等宽,上侧平截与羽轴并行,下侧楔形;上侧基部一片与叶轴并行,其余斜向上或弯弓成镰刀状,上先出,互生,有短柄(柄有狭翅),相距1厘米左右,羽状深裂几达小羽轴,末回裂片4—6对,基部上侧一片较大,长4—6毫米,宽3—4毫米,长圆形,下侧的长3毫米,宽2.5毫米左右,向上渐短,裂片彼此分开,圆头,基部下延,汇合,除下侧为全缘外,有不规则的锯齿。叶脉下面较显,羽状分枝,不到达锯齿。叶纸质,干后暗绿色,两面几光滑,惟沿叶脉疏生细毛;叶轴与叶柄同色,被棕色短毛。孢子囊群小,生裂片上侧的缺刻底部,每裂片一个,向下通常上侧两个,下侧一个,基部上侧裂片较大,常有3对;囊群盖杯状,淡绿色,膜质,略有毛。

产云南东南部(河口)。海拔200米。

本种近似华南鳞盖蕨 *M. hancei* Prantl, 不同点在于叶为细裂,羽片尾状渐尖,囊群盖小而为杯状。

43. 膜叶鳞盖蕨

Microlepia tenella Ching, sp. nov.

根状茎细长横走,粗约3毫米,略被灰色短毛。叶疏生,柄长30厘米,基部粗约3毫米,灰褐色,光滑;叶片狭长圆形,长50—65厘米,宽约20—25厘米,三回羽状;羽片约10对,极斜向上,彼此远离,互生或下部的近对生,相距10—11厘米,有柄(长约5厘米),基部一对缩小,长7—8厘米,宽约2—3厘米,第二对长达24厘米,宽4—5厘米,披针形,渐尖头,基部阔楔形,几对称,下侧楔形,上侧截形,与叶轴并行,并多少复盖叶轴,二回羽状;一回小羽片约20对,互生,上先出,偏斜,三角状长圆形,长

antere 1—2-lobato-incisa, sequentibus minoribus, lateribus fere integris, apice dentatis; nervis in segmentis 3—4-jugis, obliquis, basali anteriori saepe furcatis, utrinque prominulis, supra in hydrathodas punctatas pallidas terminantibus; paginis glabris, costulis nervisque supra saepe sparsissime strigosis exceptis; rachi, rachillis costisque stramineis, infra breviter et densius pilosis, supra profunde sulcatis et fere glabris; soris 3—5 in segmento basali anteriori, 2 vel saepissime 1 in segmentis sequentibus ad sinum positis, supra punctatis, indusiis reniformibus, basi solum affixis, virescentibus, glabrisque.

Kwangtung, Lofou Shan, leg. N. K. Chun No. 41418, on rocks, VI, 27, 1930.

39. **Microlepidia caudiformis** Ching, sp. nov.

Rhizomate, stipite 20 cm longo, 2 mm crasso, stramineo, basi molliter puberulo, supra sulcato; lamina ca. 50 cm longa, 25 cm basi lata, ovato-deltaeidea, apice pinnatifida, longe acuminata vel caudato-acuminata, deorsum tripinnata; pinnis 12—14-jugis, alternis, oblique patentibus, inferioribus 4—5 cm inter se remotis, infimis 15 cm longis, 4—5 cm latis, petiolatis (petiolo 3—5 mm longo), lanceolatis, longe acuminatis, basi aequali; pinnulis primariis infra apicem longe acuminatum pinnatifidum ca. 16—18-jugis, infra medium pinnarum 2.5—3 cm longis, 6—8 mm latis, lanceolatis, longe acuminatis, subfalcatis, basi utrinque inaequalibus, antice truncatis, postice oblique cuneatis, a se separatis, breviter petiolulatis (petiolulo alato, leviter decurrente), utroque costae latere profunde pinnatifidis; pinnulis (segmentis) ultimis 4—6-jugis, oblongis, ca. 4 mm longis, basali anteriori majore, omnibus ca. 2.5 mm latis, obtusis, margine inferiore rectis integrisque, exteriore et superiore dentatis; nervis in segmentis 3—4-jugis, tenuibus, obliquis, simplicibus aut basali anteriori furcatis, supra occultis, infra leviter prominulis; textura herbacea, colore in sicco viridi, vel superne obscure viridi, paginis utrisque praeter costas breviter et sparse villosas glabris; soris minutis, 1—3 pro segmento ad sinum positis, indusiis parvis, semicupuliformibus, pallide viridibus, minutissime puberulis.

Yunnan austr.-orient., Ho-kou, Ma-tou-yi, 200 m alt., in wooded ravine, No. 588 ex Herb. Department of Biology, Yunnan University.

40. **Microlepidia tenella** Ching, sp. nov.

Rhizomate late repente, tenui, 3 mm crasso, sparse et brevissime strigoso; frondibus distantibus, stipite 30 cm longo, basi 3 mm diametro, pallide stramineo, glabro; lamina oblonga, 50—65 cm longa, 20—25 cm lata, tripinnata; pinnis ca. 10-jugis, ca. 10 cm a se distantibus, obliquis, basalibus oppositis, paulo abbreviatis, sequentibus alternis, ad 24 cm longis, 4—5 cm latis, late lanceolatis, acuminatis, breviter (3—5 mm) petiolatis, basi late rotundo-cuneatis; pinnulis primariis ca. 20-jugis, alternis, distantibus, obliquis, anadromice dispositis, oblongis, breviter acuminatis, subfalcatis, basi utrinque inaequalibus, basali anteriori erecta et rachim tegente, inferiori majore, omnibus subsessilibus vel brevissime petiolatis, utroque ad costam pinnatifidis; segmentis ultimis 4—5-jugis, 8 mm longis, 4 mm latis, oblongis, obtusis, ad basin parum adnatis et breviter decurrentibus, contiguus, basali anteriori majore, oblonga, erecta, rachillas tegente, integra vel margine superiore lobulata, pauci-dentata, sequentibus minoribus, margine undulato-crenatis; nervis tenuibus, in segmentis 3—4-jugis, obliquis, simplicibus vel furcatis; textura herbacea, colore in sicco virente, pagina supra glabra, infra praeter costas costulasque breviter pilosas glabra; soris parvis, 3—5 pro segmento, superficialibus, indusiis rotundo-reniformibus, pallide griseis, membranaceis, glabris, basi solum adnatis, sursum liberis.