

的較上側的为小,基部均沿狭翅下延,邊緣有圓淺裂或有粗齿牙。叶脉两面明显,羽状,斜出,分叉。叶为薄草质,干后草綠色,两面光滑,惟小羽軸下面稍有短灰毛;叶軸及羽軸上也有灰軟毛。孢子囊羣小,远离叶緣,每小羽片有 3—5 个,上边 3 个,下边 2 个;囊羣盖小,膜质,近圓形,光滑。

特产广西徭山及广东乐昌。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,上侧平截与羽軸并行,下侧楔形;上侧基部一片与叶軸并行,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,羽状深裂几达小羽軸,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,除下侧为全緣外,有不規則的锯齿。叶脉下面較显,羽状分枝,不到达锯齿。叶纸质,干后暗綠色,两面几光滑,惟沿叶脉疏生細毛;叶軸与叶柄同色,被棕色短毛。孢子囊羣小,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;囊羣盖杯状,淡綠色,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, 不同点在于叶为細裂,羽片尾状渐尖,囊羣盖小而为杯状。

43. 膜叶鳞盖蕨

Microlepia tenella Ching, sp. nov.

根状莖細长横走,粗約 3 毫米,略被灰色短毛。叶疏生,柄长 30 厘米,基部粗約 3 毫米,灰褐色,光滑;叶片狭长圆形,长 50—65 厘米,宽約 20—25 厘米,三回羽状;羽片約 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,宽約 2—3 厘米,第二对长达 24 厘米,宽 4—5 厘米,披针形,渐尖头,基部闊楔形,几对称,下侧楔形,上侧截形,与叶軸并行,并多少复盖叶軸,二回羽状;一回小羽片約 20 对,互生,上先出,偏斜,三角状长圆形,长

2.5—3 厘米，寬 1—1.5 厘米，短尖头或近鈍头，基部不对称，下側楔形，上側截形，多少为耳状，有短柄，几开展，相距 1.5—1.9 厘米，一回羽状或深羽裂；末回小羽片 4—5 对，長約 8 毫米，寬約 4 毫米，長圓形，圓头，基部多少合生，下延，密接，基部上側一片較大，貼近羽軸，几为全緣或上边常为浅裂。羽片向叶片頂部漸小，頂生的長約 5 厘米，其下的長約 7—8 厘米，一回羽状，都有柄。叶脉纤细，2—3 对，斜上，上先出，单一，或在小裂片的为二叉，先端离叶边远，有一椭圆形水囊，上面明显。叶为薄草質，干后草綠色，上面无毛或只有一二长針状毛，下面也光滑无毛，惟中脉、羽軸及叶軸有灰棕色短柔毛密生。孢子囊羣圓形，小，每小羽片有 3—5 个，上部的只有 1 个，远离叶边；囊羣盖小，圓腎形，仅以基部着生，淡灰綠色，膜質，光滑。

特产广西北部(罗城以北的茨坡)。生林下阴沟中，成羣，海拔 300 米。

44. 华南鳞盖蕨 鳞盖蕨(中国主要植物图說，蕨类植物門)

Microlepia hancei Prantl in Arb. Bot. Gard. Breslau I (1892) 35; C. Chr. Ind. Fil. (1905) 426; Ching in Bull. Dept. Biol. Sun Yatsen Univ. No. 6 (1933) 24; 傅书遐，中国主要植物图說(蕨类植物門)(1957) 47 頁，58 图——*Davallia polypodioides* Benth. Fl. Hongk. (1861) 361, non Don 1825——*Microlepia speluncae* Wu, Wong et Pong in Bull. Dept. Biol. Sun Yatsen Univ. No. 3 (1932) 120, t. 51; DeVol, Ferns East Centr. China in Notes Bot. Chin. Mus. Heude No. 7 (1945) 87——*Microlepia speluncae* var. *hancei* C. Chr. et Tard.-Blot in Lecomte, Not. Syst. VI (1937) 9; Tard.-Blot et C. Chr. in Fl. Indo-Chine VII, ii (1839) 100; Holt. Fl. Mal. II, Ferns Mal. (1954) 314.

根状莖橫走，灰棕色，密被灰棕色透明节状长茸毛。叶远生，柄长 30—40 厘米，基部粗 2.5—4 毫米，棕禾稈色或棕黃色，除基部外无毛，略粗糙，稍有光泽。叶片长 50—60 厘米，中部寬 25—30 厘米，先端漸尖，卵状長圓形，三回羽状深裂，羽片 10—16 对，互生，柄短(长 3 毫米)，两侧有狭翅，相距 8—10 厘米，几平展，基部一对略短，長約 10 厘米，基部寬 5 厘米左右，長三角形，中部的長 13—20 厘米，寬 5—8 厘米，闊披針形，二回羽状深裂，一回小羽片 14—18 对，基部等寬，上先出，上側一片和叶軸并行，下側的稍偏斜，長約 2.5 厘米，寬 1—1.4 厘米，闊披針形，漸尖头，端鈍，基部較闊，不对称，上側平截与羽軸并行或复盖羽軸，下側楔形，无柄；向上漸短，相距 1.5 厘米，羽状深裂几达小羽軸；小裂片 5—7 对，基部上側的長 7 毫米，寬 4—5 毫米，長圓形，下側的長 5 毫米，寬 3 毫米，近卵形；向上漸短，先端鈍圓，基部下延，多少合生，有狭細缺刻分开，更向上則汇合成为羽状深裂的短尖头，有鈍圓鋸齿。叶脉上面不太明显，下

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-deltaidea, 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.

Kwangsi, 45 km. north of Lu-chen, Tze-po, in wooded ravine, leg. *R. C. Ching* No. 5567, VI, 2, 1928.

41. ***Microlepia intermedia*** Ching, sp. nov.

Rhizomate late repente, tenui, 3 mm crasso, pilis griseo-brunneis luteis dense oblecto; frondibus distantibus, stipite 30—35 cm longo, 2 mm crasso, stramineo, subglabro aut persparse piloso; lamina 50—60 cm longa, 18—27 cm lata, oblonga, tripinnata; pinnis 10—12-jugis, alternis, obliquis, 7—8 cm a se distantibus, basalibus parum abbreviatis, mediis 16—20 cm longis, 5—7 cm latis, oblongo-lanceolatis, acuminatis, basi utrinque aequalibus, petiolo 5 mm longo suffultis; pinnulis primariis infra apicem pinnatifidum 12—14-jugis, basalibus longioribus, 3—3.5 cm longis, 1.2—1.5 cm latis, oblongo-lanceolatis, apice acutis vel breviter acuminatis, basi utrinque inaequalibus, sequentibus gradatim minoribus, subpatentibus, alternis, separatis, omnibus breviter petiolulatis (petiolulo alato et ad rachillam leviter decurrente); pinnulis (segmentis) ultimis 4—6-jugis, basali anteriori majore, 6—10 mm longa, 4—6 mm lata, oblonga, paucilobata, sequentibus gradatim minoribus, subintegris, omnibus margine crenulatis, basi decurrentibus; nervis flabellatim furcatis, infra prominulis, supra indistinctis; textura tenuiter herbacea, colore in sicco pallide viridi, paginis utrisque praesertim ad costulas nervasque subtus pilis mollibus, pallidis, luteis, adpressis sparse oblectis; soris parvis ad sinum segmentorum positus, indusiis brunneis, semicupuliformibus, sparse pilosis.

Kwangsi, north of Lu-chen, Chiao Tu, on old muddy wall, leg. *R. C. Ching* No. 5447, V, 28, 1928.

42. ***Microlepia pingpienensis*** Ching, sp. nov.

Rhizomate, stipite 50 cm vel ultra longo, 5 mm crasso, brunneo-stramineo, ad basin sparse strigoso, sursum nudo; lamina ca. 1 m longa, 60 cm lata, oblonga, acuminata, tripinnata; pinnis ca. 15-jugis, alternis, oblique patentibus, petiolatis (petiolo 5—7 mm longo), inferioribus ca. 20 cm a se distantibus, infimis paululum abbreviatis, mediis ca. 40—50 cm longis, 12—14 cm latis, late lanceolatis, acuminatis, basi utrinque aequali; pinnulis primariis ca. 20-jugis, 6—8 cm longis, 2.5 cm latis, lanceolatis, ad apicem longe acuminatis, basi utrinque fere aequali; pinnulis secundariis ca. 10-jugis, patentibus, 1—1.5 cm longis, 5 mm latis, oblongis, apice obtusis, minute dentatisque, basi inaequali, utroque profunde lobato-pinnatifidis; lobis ultimis oblongis vel obovatis, contiguis, denticulatis; nervis in lobis pinnatis, utrinque paulo prominulis; textura herbacea, colore in sicco obscure viridi, paginis praeter costas costulasque utrinque sparse breviter puberulas glabris; soris parvis, 1—2 pro lobo ad sinum positus, indusiis semicupuliformibus, pallide brunneis, glabris.

Yunnan austr.-orient., Ping-pien Hsien, 1000 m alt., leg. *R. C. Ching* No. 36, VII, 18, 1952.

45. ***Microlepia yunnanensis*** Ching, sp. nov.

Rhizomate repente, 4 mm crasso, sparse piloso vel subglabro; frondibus approximatis, stipite 40—50 cm longo, ca. 3 mm diametro, stramineo, subglabro, subnitido, parum scabro; lamina 70—80 cm longa, 22 cm medio lata, oblonga, acuminata, basin versus paululum angustata, tripinnata; pinnis ca. 15-jugis, obliquis, alternis, inferioribus 8 cm, sursum 4 cm a se distantibus, breviter petiolatis (petiolo 4 mm longo), basalibus ca. 10 cm longis, 4—5 cm latis, late lanceolatis, mediis similibus, 15—19 cm longis, 3—4 cm latis, ad apicem acumi-