

互生, 远离, 斜向上, 有长柄(2—4 厘米), 相距 15—20 厘米, 基部一对最大, 长 45—60 厘米, 三角形, 渐尖头, 一回羽状; 小羽片 6—7 对, 上先出, 互生, 相距约 5 厘米, 斜向上, 长 10—15 厘米, 基部较宽, 2.5—3.5 厘米, 披针形, 近镰刀状, 长渐尖而有圆缺刻, 向基部为不等楔形, 上侧斜截形, 有圆耳状突起, 圆浅裂到 1/2, 成为有小锯齿的圆裂片, 有软骨质的狭边; 小羽片向上渐短, 基部合生, 下延, 更向上则汇合成为羽裂的渐尖顶部。叶脉上面不太显, 下面粗而隆起, 在裂片内为羽状, 4—5 对, 不分叉, 极斜向上, 不达叶边。叶几为革质, 干后黄绿色, 两面光滑, 仅小羽轴上面有淡棕色短毛密生; 叶轴为禾秆色或淡棕色, 光滑而有光泽。孢子囊群圆而大, 近叶缘生, 每裂片 2—5 个不等; 囊群盖大, 圆肾形, 棕色, 膜质, 全缘, 以基部着生, 光滑, 宿存。

产云南西部及南部、广西西南部、贵州南部。印度、尼泊尔、缅甸、越南、菲律宾及锡兰也有分布。

本种为本属最大的一种, 通体光滑无毛, 裂片宽大, 极为突出, 易与其他种区别。

29. 亮毛鳞盖蕨

Microlepia trichoclada Ching, sp. nov.

植株高 1.3 米。根状茎长而横走, 粗壮, 直径 5 毫米, 被有红棕色长针状毛。叶远生, 相距 1 厘米; 柄长 63 厘米, 粗约 5 毫米, 禾秆色, 有光泽, 基部稍被红棕色长针状毛, 向上脱落, 有斑痕; 叶片 70 厘米, 宽 32 厘米, 先端渐尖, 基部的不缩短, 三回羽状; 羽片 13 对, 几对生, 下部的相距 11 厘米, 柄长 5 毫米, 斜展, 披针形, 长达 21 厘米, 宽 6.5 厘米, 先端渐尖, 基部最宽, 近圆形, 不对称, 小羽片 20 对以上, 互生, 接近, 有短柄(长 1 毫米), 披针形, 长 3.5 厘米, 宽 1.2 厘米, 先端渐尖, 基部不对称, 上侧最大, 平截, 与羽轴并行, 下侧楔形, 一回羽状; 末回小羽片 7—8 对, 密接, 常呈复瓦状, 长圆形, 基部下侧一片最大, 常再羽状分裂, 其余各片全缘, 或有浅裂片 1 枚, 先端圆, 基部下侧平截而与小羽轴并行, 下侧楔形。叶脉两面可见, 羽状分枝。叶草质, 干后棕绿色, 叶两面被灰白色长针状毛, 有光泽; 叶轴上面有沟, 光滑, 下面圆, 被红褐色短茸毛, 极粗糙, 羽轴上面与叶上主脉疏被灰白色的长针状毛, 下面密被同样的毛。孢子囊群小, 位于末回小羽片上缘中部; 囊群盖杯形, 棕色, 被灰白色长针状毛。

产于云南南部(西双版纳)。

30. 短毛鳞盖蕨

Microlepia subrhomboidea Ching, sp. nov.

根状茎未见。叶柄褐棕色, 上部几光滑; 叶片卵状长圆形, 长 62 厘米, 宽 28 厘米, 三回羽状; 羽片约 20 对左右, 基部近对生, 相距 8—10 厘米, 上部互生, 接近, 向上斜

pinnatifidumque simpliciter pinnata; pinnis liberis, ca. 8-jugis, alternis, patentibus, inferioribus ca. 3 cm inter se remotis, basalibus majoribus, ca. 5 cm longis, 1.8 cm basi latis, falcato-lanceolatis, brevi-acuminatis, sessilibus, basi utrinque inaequalibus, latere superiore rectis, inferiore cuneatis, ad dimidiam lobato-pinnatifidis vel in pinnis superioribus solum lobato-crenatis; lobis utroque latere costae 4—5-jugis, oblongis, obliquis, integris vel interdum apice leviter dentato-crenatis; nervis in lobis 3—4-jugis, indivisis, obliquis, utrinque prominulis; textura tenuiter herbacea, colore in sicco obscure viridi, paginis utrisque ad costas nervasque pilis 4 mm longis, setaceis, pallidis, adpressis densissime obtectis; soris ignotis.

Yunnan austr., Se-song-ban-nan, Yunnan Complex Expedition No. 314.

5. **Microlepidia modesta** Ching, sp. nov.

Rhizomate breve, repente, 2 mm crasso, pilis sat longis, pallide brunneis, luteis densissime obecto; frondibus approximatis, stipite gracili, 5—7 cm longo, ca. 1 mm crasso, pallide stramineo, supra basin glabro; lamina 22 cm longa, 10 cm medio lata, ovato-oblonga, acuminata, deorsum decrescente, bipinnata; pinnis ca. 10-jugis, alternis, patentibus, subsessilibus, inferioribus abbreviatis, 3 cm inter se remotis, superioribus approximatis, basalibus 2.5—3 cm longis, 2 cm latis, sequentibus gradatim majoribus, mediis 5—6 cm longis, 2—2.5 cm basi latis, e basi latiore lanceolatis, acuminatis, basi subcordato-truncatis, utroque latere aequalibus, pinnatis; pinnulis ca. 10-jugis, approximatis, patentibus, oblongis, apice obtusis, dentatis, basi inaequalibus, antice truncatis, postice cuneatis, ad costam angustissime alatum decurrentibus, utroque costae latere ad dimidiam lobatis; lobis 2—3-jugis, rotundatis, dentatis; nervis tenuibus, in lobis furcatis, infra prominulis, supra obscuris; textura herbacea, pagina supra glabra, infra ubique breviter molliter puberula; soris minutis, uno pro lobo ad sinum positus, indusiis parvis, reniformibus, pallide virentibus, basi adnatis, cetera liberis, sparse puberulis.

Anwei austr., in the vicinity of Whang Shan, leg. P. C. Tsoong No. 18.

8. **Microlepidia pilosissima** Ching, sp. nov.

Rhizomate late repente, 4 mm crasso, pilis atro-rufis, patentibus, sat longis densissime obecto; frondibus, solitariis, stipite 40 cm longo, 5 mm diametro, stramineo, nudesciente, ad basin aspero; lamina 50—60 cm longa, 34 cm basi lata, oblongo-deltaeidea, acuminata, bipinnata vel subtripinnatifida; pinnis ca. 20-jugis, alternis, oblique patentibus, inferioribus 8 cm inter se remotis, basalibus non abbreviatis, 17 cm longis, 3.5 cm latis, lanceolatis, caudato-acuminatis, basi aequaliter rotundatis, petiolatis (petiolo 3 mm longo), pinnatis; pinnulis 24-jugis, contiguis, patentibus, sessilibus, basalibus ad 3 cm longis, sequentibus brevioribus, acutis, acroscopico productis, basi inferiore cuneatis, utroque profunde pinnatifidis; segmentis in pinnulis basalibus anterioribus 5—7-jugis, in sequentibus 3—4-jugis, oblongis, obtusis, integris; nervis in segmentis pinnatis, nervulis 2—3-jugis, simplicibus aut furcatis, utrinque prominulis; textura crasso chartacea, colore in sicco supra obscure viridi, glabra, infra griseo-virente, ad costas nervasque pilis longis, griseo-brunneis, adpressis densissime obecta; soris magnis, uno pro segmento ad marginem superiorem positus, indusiis semicupuliformibus, dense strigosis.

Yunnan, Yan-shan, Pie-shih-eih, 1200 m alt., in wooded valley, leg. C. W. Wang No. 84728, XI, 27, 1939.

9. **Microlepidia trichosora** Ching, sp. nov.

Species statura et dimensione *M. herbaceae* Ching et C. Chr. affinis, differt lamina

inferiore ad costas nervasque pilis pallidis sat longis densius oblecta et indusiis iisdem pilis strigosis; stipite rachique pallide stramineis; lamina oblonga, bipinnata; pinnis 10-jugis, patentibus, inferioribus vix abbreviatis, 12 cm longis, 4—4.5 cm latis, anguste oblongo-lanceolatis, breviter acuminatis, basi utrinque aequaliter cuneatis, pinnatis; pinnulis 14-jugis, contiguis vel subimbricatis, oblongis, obtusis, sessilibus, patentibus, basi utrinque inaequalibus, latere superiore rectis, inferiore cuneatis et breviter decurrentibus, margine superiore ad dimidiam pinnatifidis; segmentis 5—6, oblongis, obtusis, integris; nervis tenuibus, utrinque notatis, in lobis 2—3-jugis, obliquis, simplicibus aut furcatis; textura tenuiter herbacea, colore in sicco viridi, pagina superne ad nervas pilis sat longis, pallidis, luteis perpaucae, subtus ad costas nervasque copiose vestita; rachi rachillisque iisdem pilis dense oblectis; soris parvis, ad sinum pinnularum positus, indusiis reniformibus, membranaceis, pallide viridibus, pilis longis, luteis oblectis.

Yunnan occid., between Teng-chung and Burmese border, leg. J. F. Rock Nos. 7315, 7316, (typus).

11. *Microlepidia singpienensis* Ching, sp. nov.

Rhizomate late repente, 2.4 mm crasso, nigrescente, pilis griseo-brunneis, sat longis, luteis, dense oblecto; frondibus solitariis, stipite 25 cm longo, 2 mm diametro, brunnescente stramineo, supra basin nudescens, parum scaberulo, subnitido; lamina 43 cm longa, 16 cm lata, anguste oblonga, acuminata, tripinnatifida; pinnis ca. 10-jugis, suboppositis, oblique patentibus, breviter petiolatis (petiolo 2 mm longo), inferioribus 8 cm inter se remotis, infimis non abbreviatis, 15 cm longis, ca. 4 cm latis, lanceolatis, parum subfalcatis, basi subinaequalibus, apice longe acuminatis; pinnulis 20-jugis, approximatis, patentibus, 2—2.4 cm longis, 8 mm latis, oblongo-falcatis, obtusiusculis, basalibus longioribus, rectis, basi inaequalibus, antice rectis, postice cuneatis, sessilibus, inferioribus liberis, sequentibus plus minusve ad rachillam decurrentibus, utroque profunde pinnatifidis; segmentis 5—6-jugis, contiguis, oblongis, integris, obliquis, apice obtusis; nervis tenuibus, 3-jugis, indivisis, obliquis, utrinque perspicuis; textura folii membranacea, colore in sicco viridi; rachi straminea, uti rachillis modeste pilosa, paginis utrisque ad costas nervasque pilis, sat longis luteis, pallidis, adpressis sparsissime oblectis, aliter glabris; soris parvis, uno pro segmento aut 3 in segmento acroscopico, indusiis parvis, reniformibus, pallide viridibus, solum basi lata adnatis, cetera liberis, glabrisque.

Yunnan, Sing-pien Hsien, under forest by stream side, 1000 m alt., leg. V. M. Chu No. 363, I, 12, 1957.

16. *Microlepidia angustipinna* Ching, sp. nov.

Stipite deest, lamina ad 50 cm longa, 18 cm lata, oblongo-ovata, ad apicem longe acuminatam sensim attenuata, bipinnata; pinnis ca. 25-jugis, alternis, obliquis, 3—4 cm inter se remotis, lineari-lanceolatis, 14 cm longis, 2—2.5 cm latis, apice gradatim acuminatis, rectis vel saepe parum subfalcatis, breviter petiolatis (petiolo ca. 1.4 mm longo), basi subinaequalibus, vix dilatatis, pinnatis; pinnulis ca. 20-jugis, contiguis, obliquis, dimidiato-oblongis, 1—1.2 cm longis; 7 mm basi latis, obtusis, parum dentatis, basi antice obliquis, sessilibus, non decurrentibus, margine inferiore rectis, integris, superiore plus minusve lobatis, pinnula basali anteriore parum majore; lobulis subtruncatis, dentatis; nervis utrinque prominulis, in lobulis 1—2-jugis, obliquis; textura folii chartacea, colore in sicco obscurius virente, paginis utrisque glabris; soris parvis, 1—2 pro pinnula prope marginem superiorem ad sinum positus, indusiis semicupuliformibus,

cm longis, 9 mm latis, obtusis, basi inaequalibus, antice truncatis, postice oblique rectis et anguste decurrentibus, margine leviter lobulatis, lobulis dentatis; nervis in pinnulis pinnatis, nervulis iterum pinnatis vel furcatis, obliquis, utrinque prominulis; textura chartacea, colore in sicco obscurius virente, pagina supra glabra, lucida, inferne ad costas nervasque pilis sat longis, pallidis, patentibus modeste strigosa; soris submarginalibus, secus marginem superiorem 5—6, inferiorem 3—4 ad sinum positus, indusiis semicupuliformibus, pallidis, persparse et breviter puberulis.

Kwangtung, Wei-yang Hsien, Kau-lung-fung, leg. W. T. Tsang No. 20005, (typus), IV, 13, 1932. Kwangsi 12 km. north of Lu-chen, Lion's Hill, 1000 m alt., leg. R. C. Ching No. 5426, V. 28, 1928.

27. **Microlepidia trichoclada** Ching, sp. nov.

Rhizomate late repente, 4—5 mm crasso, nigrescente, radicoso, ad apicem pilis atro-rufis dense oblecto; frondibus distantibus, stipite 60—65 cm longo, 4 mm crasso, ad basin subglabro asperoque, sursum glabro laevique, stramineo; lamina ovato-deltaeidea, tripinnata, acuminata; pinnis ca. 15-jugis, obliquis, alternis, inferioribus, ca. 10 cm inter se remotis, petiolatis (petiolo ca. 1 cm longo), 16 cm longis, 6 cm basi latis, lanceolatis, acuminatis, basi latiore utrinque aequalibus; pinnulis primariis ca. 20-jugis, alternis, a se separatis, patentibus, breviter petiolulatis, basalibus 4 cm longis, 1.3 cm latis, sequentibus gradatim abbreviatis, acuminatis, acroscopica productis, basiscopica cuneatis, pinnatis; pinnulis ultimis 6—8-jugis, oblongo-cuneatis, obtusis, basi decurrentibus, contiguis, basali anteriori majore, ad 9 mm longa, pauci-lobato-incisa, ceteris minoribus, integrisque; nervis 3—4-jugis, simplicibus aut basali anteriori furcatis, obliquis; textura herbacea, colore in sicco virente, pagina supra glabra, raro ad costas pilis sat longis albidis perspersis, infra ad costas nervasque pilis longis, albidis, luteis, adpressis densissime oblecta; soris uno pro pinnula ad marginem superiorem positus, indusiis semicupuliformibus, dense et longe strigosis.

Yunnan austr., Se-song-ban-nan, Yunnan Complex Expedition No. 1528.

28. **Microlepidia subrhomboides** Ching, sp. nov.

Rhizomate ? stipite ca. 40 cm longo, 3 mm crasso, pallide brunneo, supra basin glabro, subnitido; lamina oblongo-ovata, 62 cm longa, 28 cm basi lata, tripinnata; pinnis ca. 20-jugis, alternis, obliquis, inferioribus suboppositis, 8—10 cm inter se remotis, superioribus approximatis, omnibus petiolatis (petiolo 5 mm longo), lanceolatis, longe acuminatis, inferioribus ad 19 cm longis, 7.5 cm latis, sequentibus gradatim abbreviatis, acuminatis; pinnulis primariis ad 16-jugis, approximatis, inferioribus suboppositis, late lanceolatis, 4.3 cm longis, 1.6 cm basi latis, acutis vel breviter acuminatis, sessilibus, basi utrinque inaequalibus, antice truncatis, postice obliquis, profunde ad costam anguste alatum pinnatifidis; segmentis 5—7-jugis, oblongis vel oblongo-obovatis, obtusis, integris vel 1—2 incis, basali anteriori majore, 1 cm longa, 5 mm lata; nervis in segmentis 3—4-jugis, simplicibus aut furcatis, obliquis, infra prominulis, supra vix notatis; textura herbacea, colore in sicco flavesciente viridi, paginis utrisque subglabris, costis aut nervis persparse strigosis exceptis; soris parvis, superficialibus, 5 in segmento acroscopico, 1—2 in sequentibus, indusiis semicupuliformibus, brunneis, parce hirsutis.

Yunnan occid., from Lung-ling to Teng-chung, leg. R. C. Ching No. 50678, XI, 1952.

30. **Microlepidia ampla** Ching, sp. nov.