

(1949) 300.

植株高 65 厘米。根状茎长而横走，粗约 3 毫米，密被暗栗红色的长刚毛。叶远生；叶柄长 32 厘米，基部粗 3.5 毫米，淡棕禾秆色；被灰棕色毛，上部光滑。叶片长圆形，长 48 厘米，宽 20 厘米，中部以上骤变狭，成为一条披针形渐尖的一回羽状分裂的顶片，外貌呈尾状，其下部为二回羽状；羽片 10 对，互生，远离，相距 5 厘米，上部的渐接近，开展，有柄（长 2—3 毫米），披针形，长 16—19 厘米，宽 2.5 厘米，先端渐尖，几全缘，基部不对称，上侧近截形而稍呈耳状，下侧广楔形，一回羽状；小羽片约 23 对，密接，略为复瓦状，呈不等的菱形，长 1.5 厘米，宽 7 毫米，先端钝，基部上侧截形，几与羽轴并行，下侧楔形，常多少下延，分离，上侧常圆浅裂为 3—4 个圆而全缘的裂片，下侧浅裂成斜狭而先端急尖的小裂片；顶片长 20 厘米，基部宽 4 厘米，向上渐变狭长，渐尖，一回羽状，羽片约 20 对，接近，菱形，无柄，而下部羽片常浅羽裂。叶脉在小裂片上羽状，两面均隆起，斜展，细脉单一或分叉。叶坚纸质，干后叶上面呈深绿色，有光泽，下面淡绿色；叶片除叶轴、羽轴及小羽轴的下面密被淡棕灰色的短毛外，余均光滑。孢子囊群小，着生小裂片基部上侧的小脉顶端，每裂片 1 枚，因之，上缘有 2—5 枚，下缘有 1—2 枚；囊群盖浅杯状，宽，灰棕色，有短刚毛，离叶缘甚远。

特产云南西南部（景东县）。

17. 狭羽鳞盖蕨

Microlepia angustipinna Ching, sp. nov.

根状茎未见。叶片广披针形，长 45 厘米，宽 22 厘米，向顶端为长渐尖，二回羽状；羽片 32 对，互生，相距 4—5.5 厘米，斜展，有短柄（长 2 毫米），狭披针形，长 13—14 厘米，宽 2.2 厘米，基部不对称，上侧截形，常压伏在叶轴上，下侧楔形；小羽片 20—21 对，接近，开展，有极短柄（长 1 毫米），或几无柄，长圆形，长 1—1.2 厘米，宽 5—6 毫米，先端钝圆，基部不等，上侧截形，与羽轴并行，下侧狭楔形，上侧有两个缺裂，下侧几全缘，各裂片先端有钝齿牙。叶脉在裂片上为羽状，2—3 对，两面均隆起。叶为坚纸质，干后上面呈黑绿色，下面呈绿色，除下面小羽轴及主脉多少被毛外，余均光滑；叶轴和羽轴上面光滑，有浅沟，下面密被褐色短毛。孢子囊群小形，不明显，生于叶片上部的单独的位于缺刻底部，即顶生于每组叶脉基部上侧一小脉；囊群盖小，杯形，无毛。

产云南南部，蒙自附近。

可能是西南鳞盖蕨 *M. khasiyana* (Hook.) Presl 的一个简单型。

18. 中华鳞盖蕨

Microlepia sino-strigosa Ching, sp. nov. — *Davallia strigosa* Dunn & Tutch.

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,

pallidis, glabris.

Yunnan austr., Mengtze, leg. *W. Hancock*.

17. ***Microlepidia sino-strigosa*** Ching, sp. nov.

Species statura et dimensione *M. strigosae* (Thunb.) Presl valde similis, recedit: indusiis nec semicupuliformibus sed reniformibus, pallidis, basi lata solum affixis, cetera liberis, lamina infra praeter costas nervasque pilis brevibus, potius crassis perparce conspersas glabra.

Szechuan, Tien-chuan Hsien, 750—900 m alt., leg. *W. P. Fang* No. 3473 (typus), IX, 8, 1928; Omei Shan, leg. *W. P. Fang* No. 7923, VII, 24, 1930; Han-tsuen-ping, 1400 m alt., leg. *S. S. Kung* No. 028; ibidem, leg. *S. C. Chen* No. 10028. Kwangtung, Jen-hwa Hsien, Fang-chi Shan, leg. *W. T. Tsang* No. 26151. Kwangsi, Ho-chi Hsien, leg. *R. C. Ching* No. 6573, VII, 21, 1928. Kiangsi, on the border of Hunan, leg. *Y. K. Shiung* No. 05121, VII, 1, 1947.

19. ***Microlepidia crassa*** Ching, sp. nov.

Stipite 55 cm longo, basi 4 mm crasso, stramineo vel brunnescente stramineo, glabro laevique; lamina 60 cm vel ultra longa, 20 cm lata, oblonga, acuminata, bipinnata; pinnis ca. 15-jugis, 6—6.4 cm latis, lanceolatis, acuminatis, obliquis, alternis, inferioribus 8—9 cm et superioribus 3 cm inter se remotis, petiolatis (petiolo 4—2 mm longo), infimis parum vel vix abbreviatis, basi utrinque aequaliter cuneatis, pinnatis; pinnulis ca. 13—15-jugis, obliquis, subimbricatis, sessilibus, 3—3.7 cm longis, 1.3—1.5 cm latis, oblongo-cuneatis, acutis, basi inaequaliter cuneatis, antice truncatis, postice rectis, marginibus praesertim superiore ad dimidiam lobato-pinnatifidis; lobis oblongis, integris vel apice parum undulato-dentatis; nervis in lobis 3-jugis, indivisis, obliquis, crassis, utrinque prominulis; textura subcoriacea, colore in sicco obscurius virente, paginis utrisque glabris; rachi rachillisque pilis pallide ferrugineis, sat longis, adpressis densissime obtectis; soris magnis, 2 pro lobo ad marginem superiorem positus, indusiis semicupuliformibus, brunneis, glabrisque.

Yunnan austr., Se-song-ban-nan, Yunnan Complex Expedition No. 5973.

22. ***Microlepidia hainanensis*** Ching, sp. nov.

Microlepidia subpinnata Ching in Acta Phytotax. Sinica VIII (1959) 140, non Hay. 1914.

Rhizomate late repente, 3 mm crasso, rufo-brunneo, pilis atro-rufis, brevibus dense praecipue ad apicem obfecto; frondibus distantibus, stipite 30—35 cm longo, brunneo-stramineo, ad basin 3 mm diametro et dense piloso, sursum nudescens et leviter scaberulo; lamina 40 cm longa, 28 cm lata, oblonga, acuminata, subbipinnata; pinnis ca. 15-jugis, alternis vel inferioribus oppositis, 5 cm inter se distantibus, oblique patentibus, petiolo 4 mm longo suffultis, 15 cm longis, 2.6 cm latis, lineari-lanceolatis, subfalcatis, ad apicem acuminatam sensim attenuatis, subpinnatis; pinnulis infra apicem pinnatifidum ultra 30-jugis, contiguis, confluentibus vel inferioribus liberis, basi decurrentibus, rhomboideo-oblongis, obtusis, dentatis, margine remote crenato-incisis; nervis pinnatis, nervulis furcatis vel simplicibus, obliquis; textura tenuiter chartacea, colore in sicco flavescens viridi, paginis utrisque glabris, costis nervisque superne pilis setaceis pallidis sparsissime conspersis exceptis; soris parvis ad sinum positus, secus marginem superiorem 5—6, inferiorem 3—4, indusiis tenuiter semicupuliformibus, pallidis, sparsissime puberulis.

Hainan, Tam Hsien, Hung Mo Shan, north of Fan Ta, leg. *Tsang et Fung* No. 273, VI,