

6对;囊羣盖浅碗形,淡綠色,有疏毛。

特产云南。

本种近似云南鳞盖蕨 *Microlepia yunnanensis* Ching, 所不同的为本种羽片基部較寬,基部小羽片长而闊,漸尖。

50. 浓毛鳞盖蕨

Microlepia tripinnata Ching, sp. nov.

植株高約 2 米,叶柄未見。叶片上部长 60 厘米,寬 46 厘米,三回羽状;羽片多数,下部几对称,上部互生,相距 10—15 厘米,长圓披針形,下部的长逾 30 厘米,寬約 10 厘米,有柄(长 8 毫米),中部的长 25 厘米,寬 6 厘米,长漸尖头,柄长 5 毫米,基部闊圓楔形,几对称,斜向上,二回羽状;一回小羽片約 20 对,互生,上先出,有短柄,基部的长約 4 厘米,寬 1 厘米,披針形,近鐮刀状,短漸尖,基部不等,下側楔形,上側耳状凸起并与羽軸并行,一回羽状;末回小羽片 8—9 对,斜向上,长 7 毫米,寬 3 毫米(基部上側一片最大,长达 1 厘米,寬 4—5 毫米),全緣,鈍头,基部多少合生,但彼此分离。羽片向叶之頂部为披針形;长 10 厘米,寬 2 厘米,有短柄,二回羽裂,向上逐漸縮短。叶脉在末回羽片为羽状,3—4 对,向上斜,两面頗明显。叶为草質,干后黄綠色,上面有刚毛疏生。孢子囊羣在每末回羽片上有 1 个,生于基部上側的缺刻底部,距边缘較远(約 0.5 毫米),在基部上側的末回羽片有 1—2 对孢子囊羣;囊羣盖杯形,質厚,有密毛。

产云南南部(西双版纳)。生林下。

51. 尖山鳞盖蕨

Microlepia subtrichosticha Ching, sp. nov.

植株高达 2.6 米,根状莖橫走,粗 1.5 厘米,密被淡棕色短毛。叶远生,柄粗 1.5 厘米,褐棕色,上面有狭縱沟,下面平滑,四回羽状深裂;羽片多数,中部的长 90 厘米,寬約 26 厘米,卵状长圓形,先端尾状漸尖,柄长約 1.5 厘米,斜向上,三回羽状;一回小羽片 20 对以上,互生,相距 5 厘米;下部的长 13 厘米左右,寬 4—4.5 厘米,闊披針形,漸尖头,基部等寬,柄长約 3 毫米,上先出,几开展,二回羽状;二回小羽片 16—18 对,接近,长 2.5—3 厘米,寬 7—9 毫米,闊披針形,漸尖头,基部不对称,上側平截,与小羽軸并行,下側广楔形,下延,无柄,相距約 1 厘米,开展,一回羽状;末回裂片 5—6 对,长圓形或倒卵形,圓鈍头,略有圓齿,基部上側一片略长,浅羽裂,向上的全緣。叶脉下面較显,羽状分枝。叶薄草質,干后黄褐色,上面沿叶脉有褐色短毛;下面遍被灰色短柔毛;小羽軸有淡棕色长柔毛密生。孢子囊羣沿末回裂片的边缘着生,通常上側两

natum parum falcatis, basi utrinque fere aequalibus, rotundato-cuneatis, bipinnatis; pinnulis primariis ca. 20-jugis, contiguis, patentibus, suboppositis, basali anteriori longiore 2.5—3 cm longa, ca. 1 cm lata, lanceolata, acuminata, erecta, rachim tegente, sequentibus brevioribus, 1.5—2 cm longis, 7—8 mm latis, apice acutis vel obtusiusculis, omnibus breviter petiolulatis, basi inaequalibus (latere anteriori auriculiformi, inferiori cuneata); pinnulis (segmentis) ultimis 6—7-jugis, contiguis, oblongis, basali anteriori majore, 7—8 mm longa, 3 mm lata, ceteris minoribus, integris, raro incisis, basi ad costam plus minusve decurrentibus; nervis tenuibus, utrinque indistinctis, obliquis, simplicibus aut furcatis, ad marginem apice elongato-incrassatis, superne pallidis, conspicuis; textura herbacea, colore sicco viridi, pagina supra ad nervas pilis sat longis, pallidis, adpressis perspersis, infra cum rachillis praesertim ad costas dense breviter puberula; soris parvis, in parte superiorum frondis sitis, sparsis, 1—2 pro segmento ad sinum positus, indusiis semicupuliformibus, dense puberulis.

Yunnan austr.-orient., Mengtze, Shing-an Chen, in wooded glens, leg. *Chu et Lee* No. 73, II, 15, 1954.

46. ***Microlepidia communis*** Ching, sp. nov.

Species *M. yunnanensi* Ching valde affinis, differt pinnis latioribus et pinnulis basalibus quam sequentibus multo longioribus acuminatisque.

Rhizomate repente, 6—7 mm crasso, atro-brunneo; frondibus solitariis vel distantibus, stipite ad 40 cm longo, 7 mm diametro, atro-brunneo, primum dense strigoso, aetate nudescente laevique; lamina ad 1 m longa, 40 cm lata, apice longe acuminata vel subcaudata, basin versus tripinnata; pinnis 20—25-jugis, alternis, obliquis, inferioribus ca. 10 cm a se distantibus, infimis magis abbreviatis, ca. 10 cm longis, sequentibus multo longioribus, 25—30 cm longis, 8—9 cm basi latis, e basi latissima deltoideo-lanceolatis, apicem pinnatifidum versus gradatim acuminatis, petiolo 1 cm longo, dense piloso suffultis, parte inferiore bipinnata; pinnulis primariis ca. 20-jugis, contiguis, alternis, obliquis, anadromice dispositis, basalibus longioribus, 5—6 cm longis, 2 cm latis, lanceolatis, acuminatis, petiolulatis, sequentibus brevioribus sed conformibus, apice breviter acutis, supremis pinnatifidis, obtusiusculis, sessilibus vel leviter adnatis; segmentis ultimis in pinnulis basalibus 6—7-jugis, oblongis, obliquis, basali anteriori majore, ad 1.5 cm longa, 8 mm lata, lobato-incisa, ceteris minoribus, obtusis, integris vel pauci-lobulatis, margine integris; nervis in pinnulis ultimis vel segmentis pinnatis, nervulis simplicibus vel furcatis, obliquis, infra prominulis, supra intra marginem apice elongato-incrassatis, pallidis, conspicuis; textura herbacea, colore in sicco viridi, pagina supra praeter costas persparse pilosas glabra, infra praesertim ad costas costulasque pilis sat longis, pallidis, adpressis oblecta; soris magnis, superficialibus, 3—6 pro pinnula ultima, indusiis semicupuliformibus, virentibus, pilosis.

Yunnan austr., Se-song-ban-nan, Yunnan Complex Expedition No. 923 (typus), 733.

47. ***Microlepidia tripinnata*** Ching, sp. nov.

Planta ad 1.5 m alta, stipite deest; lamina ultra 60 cm longa, 46 cm lata, tripinnata; pinnis numerosis, inferioribus suboppositis, 12—15 cm a se distantibus, superioribus alternis, approximatis, oblongo-lanceolatis, basalibus 30 cm longis, ca. 10 cm latis, petiolatis (petiolo 8 mm longo), mediis 25 cm longis, 6 cm latis, obliquis, longe acuminatis, petiolulatis (petiolo 5 mm longo), basi rotundo-cuneatis, utrinque fere aequalibus; pinnulis primariis ca. 20-jugis,

alternis, anadromice dispositis, breviter petiolulatis, basalibus longioribus, 4 cm longis, 1 cm latis, lanceolatis, subfalcatis, breviter acuminatis vel acutis, basi inaequalibus, sessilibus, latere inferiore decurrentibus, basali anteriori majore, recta, rachillas tegente, utroque costae latere profunde pinnatifidis; pinnulis ultimis 8—9-jugis, obliquis, 7 mm longis, 3 mm latis, basali anteriori majore, ad 1 cm longa, 4—5 mm lata, oblonga, obtusa, integra, ceteris minoribus, conformibus; nervis in pinnulis ultimis pinnatis, nervulis simplicibus, obliquis, supra prominulis, infra inter pilos griseos occultis; textura herbacea, colore in sicco flavescente brunnea, supra ad costulas venasque pilis setaceis, griseis sparse oblecta, infra ubique dense pilosa; soris in segmentis inferioribus 3—4, superioribus 1—2 ad sinum loborum positus, indusiis semicupuliformibus, pallidis, firmulis, dense pilosis.

Yunnan austr., Se-song-ban-nan, Yunnan Complex Expedition, s. n.

48. **Microlepia subtrichosticha** Ching, sp. nov.

Rhizomate repente, 1.5 cm crasso, dense brunneo-piloso, stipite ca. 50 cm longo, 1.5 cm in diametro, brunneo, supra basin glabro; lamina amplissima, ultra 1.6 m longa, 1 m lata, quadripinnata; pinnis numerosis, obliquis, inferioribus ultra 15 cm a se distantibus, 90 cm longis, 25 cm latis, oblongis, acuminatis, petiolo 5—6 cm longo, 3 mm crasso, brunneo suffultis; pinnulis primariis ca. 30-jugis, alternis, 5—6 cm a se distantibus, oblique patentibus, petiolulatis (petiolulo 3—4 mm longo), inferioribus parum abbreviatis, mediis ca. 14 cm longis, 5.5 cm latis, oblongo-lanceolatis, acuminatis, basi truncatis; pinnulis secundariis infra apicem acuminatum pinnatifidum ca. 18-jugis, 2.5—3 cm longis, ca. 1 cm basi latis, e basi latiore lanceolatis, acuminatis, basi inaequalibus, latere inferiore cuneatis, superiore productis, sessilibus, plus minusve adnatis, utroque costae latere profunde pinnatifidis; segmentis ultimis 5—6-jugis, oblongis, apice obscure crenato-denticulatis, utroque latere lobato-incisis; nervis in segmentis pinnatis, obliquis, nervulis plerumque indivisis, utrinque vix prominulis; textura tenuiter herbacea, colore in sicco flavescente-brunnea, paginis supra solum ad costas, infra ubique dense sed brevissime puberulis; soris sat magnis in segmentis 2—3 raro 4 ad sinum positus, indusiis semicupuliformibus, pallide brunneis, parum puberulis.

Hainan, Ling Shui Hsien, Chim Shan, Fan Maam Tseun, leg. *H. Fung* No. 20153, V, 3—20, 1932.

49. **Microlepia crenata** Ching, sp. nov.

Planta ad 2 m alta. Rhizomate deest; lamina ampla, tripinnata; pinnis numerosis, 35—40 cm longis, 8—12 cm latis, oblongis, acuminatis, petiolatis; pinnulis secundariis 20—25-jugis, alternis, oblique patentibus, late lanceolatis, parum falcatis, acuminatis, 5—7 cm longis, 2—2.5 cm latis, breviter petiolulatis (petiolulo anguste alato), basi inaequali, latere inferiore ad rachillam breviter decurrentibus, utroque profunde pinnatifidis; segmentis 6—9-jugis, contiguus, basali anteriori producta, 1.5 cm longa, 6—7 mm lata, oblonga, ceteris minoribus, conformibus, apice rotundatis, leviter crenatis, basi latere inferiore incurvatis et decurrentibus, superioribus rotundatis; nervis in segmentis pinnatis, nervulis 2—3-furcatis, obliquis et infra prominulis, supra notatis; textura tenuiter chartacea, supra obscure viridi et glabra, costa puberula excepta, infra virenti et ubique dense pilosa; soris parvis ad sinum loborum positus, plerumque 2—5 pro segmento, indusiis semicupuliformibus, pallide brunneis, pilosis.

Yunnan austr.-orient., Ching-ping Hsien (Mong-la-pa), leg. *Chang Ji-shing* No. 0076, V,