

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

个,下侧一个;基部上侧一片较大,有2—3对;向顶端每片一个,生上侧近缺刻处;囊羣盖浅碗形,淡棕色,略有毛。

产海南島陵水县(尖山,蕃万村及其附近)。生海滨肥沃的沙质土上。

本种为本属中最大的一种,叶片为四回羽状深裂,易与相近的种区别。

52. 圆齿鳞盖蕨

Microlepia crenata Ching, sp. nov.

植株高达2米,根状茎未见。叶片大,三回羽状深裂;羽片多数,长35—40厘米,宽8—12厘米,先端渐尖,二回羽状深裂;一回小羽片20—25对,互生,具有狭翅的短柄,相距1.5—2.5厘米,斜向上或向上弯弓,中部以下的长5—7厘米,基部宽2—2.5厘米,阔披针形,先端急尖或渐尖,基部不等宽,上侧几平截,与羽轴并行,下侧楔形,末回裂片6—9对,密接或近复瓦状;基部上方一片最大,长1.5厘米,宽6—7毫米,长圆形,顶端圆而有不明显的浅圆齿,两侧圆浅裂,其余的末回裂片长约1厘米,宽5毫米左右,长圆形,先端有圆齿。中脉不显,侧脉粗而显著,羽状分枝,小脉不达叶边。叶纸质,上面褐棕色,光滑,惟沿小羽轴略有短毛;下面暗绿色,遍生棕色短密毛;羽轴暗棕色,被同样的毛。孢子囊羣圆形,小,近末回裂片的缺刻基部着生,2—3对,远离叶边;囊羣盖浅碗形,淡棕色,有毛。

产云南东南部(金平县,猛喇坝)。

53. 乔大鳞盖蕨

Microlepia gigantea Ching, sp. nov.

根状茎横走,粗1.5厘米,木质,分枝紧密,被灰棕色短茸毛。叶近生成一大丛,柄长65厘米,基部粗1厘米,密生短毛,向上无毛,表面光滑,上面有沟槽,棕色,略有光泽。叶片长达1.5米左右,宽约60厘米,三回羽状深裂;羽片多数(约20对),互生,相距10—14厘米,中部以下长35—45厘米,宽14—16厘米,狭长圆形,先端渐尖,基部不等宽,柄长1—1.5厘米;二回羽状深裂;一回小羽片20—30对,基部上侧一片特长,约7—9厘米,自第二片向上长4—5厘米,宽2厘米左右,阔披针形,急尖或近钝头,基部不等宽,上侧斜截,下侧广楔形,几无柄,下延,羽状深裂;末回裂片约10对,基部上侧一片较长,约1—1.2厘米,宽5—6毫米,长圆形,圆头,全缘或有浅缺刻,其余的末回裂片长8—10毫米,宽4—5毫米,长圆形至近圆形,全缘。上部羽片渐短,长20—25厘米,宽5—6厘米,近尾头,基部不等宽,一回羽片除基部上侧一片较长外,其余长2—2.5厘米,宽6—8毫米,长圆形,急尖头或钝头,末回裂片多为全缘。叶脉下面较显,羽状分枝,斜向上。叶草质,干后草绿色,两面沿小羽轴及叶脉有

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. **Microlepia 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. **Microlepia subrhomboidea** 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. **Microlepia ampla** Ching, sp. nov.

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. **Microlepidia 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. **Microlepidia 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,