

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

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 flavescendo-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,

19, 1953.

50.. **Microlepidia gigantea** Ching, sp. nov.

Rhizomate, breve, repente, crasso, lignoso, ramoso, ad apicem densissime tomentoso; frondibus numerosis, approximatis, stipite 65 cm longo, basi 1 cm crasso et dense piloso, sursum glabro, brunneo, nitido, supra profunde sulcato; lamina ad 1.5 m longa, 60 cm lata, ovato-oblonga, tripinnata vel ad basin subquadripinnatifida; pinnis usque ad 20-jugis, 35—45 cm longis, 14—16 cm latis, anguste oblongis, obliquis, inferioribus ca. 14 cm a se distantibus, petiolo 1—1.5 cm longo, 1.5 mm crasso suffultis; pinnulis primariis 20—30-jugis, basali anteriori majore 7—9 cm longa, ceteris minoribus, conformibus, 4—5 cm longis, ca. 2 cm latis, late lanceolatis, acuminatis vel acutis, sessilibus, basi inaequali latere inferiore breviter decurrentibus, utroque fere ad costam pinnatifidis; pinnulis (segmentis) ultimis utroque ca. 10, oblongis, apice rotundatis, basali anteriori majore, 1—1.2 cm longa, 5—6 mm lata, margine subcrenata vel inciso-crenata; nervis in segmentis pinnatis, nervulis furcatis, infra prominulis, supra obscuris; textura herbacea, colore in sicco virente, pagina supra subglabra; costis dense pilosis exceptis, infra ubique breviter puberula; soris minutis, ca. 3—6 pro segmento, superficialibus, indusiis semicupuliformibus, parvis, pallide brunneis, puberulis.

Yunnan austr.-orient., Poo-tang-pa, 64 km. south of Szemao, in mixed forest, 1100 m alt., leg. R. C. Ching No. 453, III, 11, 1956.

51. **Microlepidia crenato-serrata** Ching, sp. nov.

Rhizomate breve, repente, crasso, lignoso, ut basi stipitis pilis ferrugineo-brunneis densissime oblecto; frondibus distantibus, stipite 90 cm longo, 1.2 cm in diametro, uti rachi brunneo, subnitido, glabro sublaevique; lamina ca. 1 m longa, 70 cm lata, deltoideo-ovata, acuminata, tripinnata; pinnis 12—15-jugis (praeter jugum basale) alternis, mediis 40 cm longis, 12—14 cm latis, elongato-oblongis, acuminatis, petiolatis (petiolo 1 cm longo), 10—12 cm a se distantibus; pinnulis secundariis 20—25-jugis, alternis, breviter petiolulatis, 6—7 cm longis, 2 cm latis (basali anteriori majore), lanceolatis, acuminatis, basi subinaequalibus, contiguus; pinnulis ultimis 10—12-jugis, basali anteriori longiore, erecta, rachillas tegente, ceteris minoribus, conformibus, oblongis, obtusis, basi adnatis, latere inferiore breviter decurrentibus, ad medium lobatis; lobis 3-jugis, oblongis, obliquis, contiguus, margine creanto-serratis; nervis in segmentis pinnatis, crassiusculis, infra prominentibus; textura firmuliter chartacea, colore in sicco brunnescente viridi, paginis utrisque sat dense et breviter puberulis; soris ad sinum loborum sitis, uno pro lobo, indusiis semicupuliformibus, pallidis, breviter puberulis.

Yunnan austr., Se-song-ban-nan, Yunnan Complex Expedition No. 7405.

52. **Microlepidia ganlanbaensis** Ching, sp. nov.

Rhizomate repente, 7 mm crasso, pilis brunneis, brevibus sparse strigoso; frondibus distantibus, stipite 40 cm longo, 5—6 mm crasso, pallide stramineo, supra basin nudo laevique; lamina 70—80 cm longa, 40—50 cm medio lata, late ovato-oblonga, acuminata, tripinnata; pinnis ca. 15-jugis, alternis, oblique patentibus, ca. 10 cm a se distantibus, petiolo 1—1.5 cm longo, breviter tomentoso suffultis, basalibus paulo abbreviatis, 22—24 cm longis, 8 cm latis, sequentibus 27—30 cm longis, 8 cm latis, oblongo-lanceolatis, acuminatis, basi subinaequalibus, pinnatis; pinnulis 18—20-jugis, basali anteriori majore, 6—7 cm longa, 1.5 cm lata, oblongo-lanceolata, acuminata, ceteris minoribus, conformibus, basi fere aequalibus, adnatis vel saepe