

等寬,柄長3毫米,近對生,相距8—12厘米,開展,二回深羽裂,一回小羽片15—18對,互生,相距1厘米左右,几開展,上先出,基部的較長,約2—2.5厘米,寬1厘米,闊披針形,向上的長1.2—1.8厘米,寬6—8毫米,長圓形,先端鈍,基部不對稱,上側平截與羽軸平行,下側廣楔形,有短柄,或向上的無柄,多少下延,羽狀深裂几達小羽軸;末回裂片5—6片,倒卵形,先端圓而有矮圓齒,密接,除基部下側一片略大并有二對小圓裂片外,其餘的不分裂或仅上側有1—2個淺裂。羽片向上漸短,一回小羽片長圓形,羽狀淺裂,末回裂片多為全緣。葉草質,干后上面褐色,皺縮,沿小羽軸及葉脈偶有褐色短毛,下面黃綠色,有灰白色細毛疏生;葉軸淡棕色,有光澤,疏被棕色短毛,羽軸和中軸同色,被同樣的毛。孢子囊羣小,生末回裂片的基部下側近缺刻處,每片一個,小羽軸上側基部一片較大,常有1—2對;囊羣蓋淺碗形,淡綠色,略有毛。

特產雲南西部(盈江到瑞麗)。海拔800—1500米。

本種形態近于中型鱗蓋蕨 *Microlepia intermedia* Ching, 不同點仅是小羽片較短而鈍,毛短。

39. 羅浮鱗蓋蕨

Microlepia lofoushanensis Ching, sp. nov.

根狀莖匍匐,粗約8毫米,褐棕色,貼生深紅棕色粗硬毛。葉近生,柄長42—48厘米,粗4毫米,淡灰褐色或灰禾稈色,無毛,略粗糙。葉片長48厘米,寬25厘米左右,闊卵形,三回羽狀;羽片8—10對,互生,柄長約1厘米,斜向上,相距7—8厘米,基部的長15—17厘米,寬5—7厘米,卵狀披針形,漸尖頭,基部几等寬,楔形,二回羽狀;一回小羽片10—12對,互生,柄長2—3毫米,上先出,斜向上,相距1.5—1.7厘米,下部的長3.5—4.5厘米,寬1.5—1.8厘米,長圓卵形,短漸尖頭,基部不等寬,上側几平截與羽軸平行,下側廣楔形,一回羽狀;末回裂片5—7對,長圓形或倒卵形,先端圓而有不規則的鈍齒牙,基部不對稱,上側斜截,下側直楔形;基部下側一片常較大,長約1.2—1.5厘米,長圓卵形,有2—3對小裂片,全緣,仅先端有矮鈍齒牙;向上的漸短,通常下側全緣,上側有1—2個缺刻。羽片向頂部漸短,密接几成復瓦狀,二回深羽裂;末回裂片除基部下側一片的上側有一二個淺裂片外,其餘多為全緣。葉脈兩面稍隆起,羽狀分枝,小脈達于葉邊。葉為堅草質,干后上面黃綠色,平滑無毛;下面灰綠色,沿小羽軸及脈略有灰色短剛毛;葉軸、羽軸灰褐色,下面有灰棕色短毛較為密生。孢子囊羣小,通常生于末回裂片上側邊緣,1—2個,基部下側的裂片上有3—5對;囊羣蓋小,腎形,灰綠色,無毛。

產廣東(羅浮山)。生石上。

Rhizomate , rachi ca. 2 mm crassa, fusco-brunnea, dense pilosa; lamina anguste oblonga, acuminata, tripinnata; pinnis in nostro specimine ad 17 cm longis, 3—3.5 cm latis, e basi deltoidea anguste lanceolatis, acuminatis, alternis, magis a se distantibus, obliquis, basi inaequalibus, petiolatis (petiolo 3—4 mm longo); pinnulis ultra 20-jugis, obliquis, breviter petiolulatis, contiguis, basali anteriori maxima, 3.5—4 cm longa, ca 7 mm lata, lanceolata, acuminata, erecta et rachim appressa, sequentibus minoribus, 2—2.5 cm longis, 5 mm latis, oblongo-lanceolatis, acutis, subfalcatis, basi anteriori truncatis, inferiori oblique cuneatis, sursum gradatim abbreviatis; pinnulis (segmentis) ultimis pinnarum acroscopicarum ca. 10-jugis, subrhomboideo-cuneatis, sessilibus, obliquis, a se distantibus, 4—5 mm longis, 2.5 mm latis, acutis, margine anteriore et interiore integris, exteriori parum dentatis, pinnulis sequentibus ca. 5—6-jugis, conformibus, basi plus minusve adnatis; nervis in segmentis ultimis 3—4-jugis, obliquis, simplicibus aut basiscopica furcatis, crassis, inferne prominentibus, superne obscuris; textura folii herbacea, colore in sicco obscure viridi, pagina supra glabra, infra ad costas, costulas nervasque pilis sat longis, adpressis et griseo-brunneis dense oblecta; soris parvis, plerumque 4 in segmentis acroscopicis, 1—2 in sequentibus et omnibus ad marginem anteriorem positus, indusiis semicupuliformibus, pallidis, pilosis.

Taiwan, without locality, leg. *A. Henry* No. 1441.

34. ***Microlepidia straminea*** Ching, sp. nov.

Rhizomate , stipite ca. 45 cm longo, 2.5 mm crasso, herbaceo, stramineo, glabro, lucidoque; lamina ad 60 cm longa, 30—35 cm lata, oblonga, acuminata, tripinnatifida; pinnis ca. 15-jugis, alternis, oblique patentibus, inferioribus 8—12 cm inter se remotis, 12—15 cm longis, 3—4 cm latis, lanceolatis, acuminatis, breviter petiolatis (petiolo 3 mm longo), basi utrinque aequalibus; pinnulis 15—18-jugis, alternis, patentibus, a se distantibus, basalibus longioribus, 2—2.5 cm longis, ca. 1 cm latis, late lanceolatis, sequentibus minoribus, 1.2—1.8 cm longis, 6—8 mm latis, oblongis, obtusis, basi inaequalibus, breviter petiolulatis, utroque costae latere profunde pinnatifidis; segmentis ultimis 5—6-jugis, obovatis, obtusis, crenatis, basali anteriori majore et inciso exceptis; nervis utraque paginae vix notatis; textura herbacea, colore in sicco obscure viridi, utrinque brevissime et sparse villosis; soris minutis, ad sinum segmentorum positus, uno pro segmento, indusiis semicupuliformibus, pallide viridibus, perparce puberulis.

Yunnan occid., from Yen-kiang to Shiwei, 800—1500 m alt., leg. *R. C. Ching* No. 50192, X, 1952.

35. ***Microlepidia lofoushanensis*** Ching, sp. nov.

Rhizomate repente, 8 mm crasso, atro-brunneo, pilis atro-rufis dense oblecto; frondibus approximatis, stipite 40—48 cm longo, 4 mm diametro, brunnescente stramineo, supra basin glabro, fere laevique; lamina 48 cm longa, 25 cm basi lata, ambitu late ovata, acuminata, tripinnata; pinnis 8—10-jugis, alternis, obliquis, inferioribus 7—8 cm inter se remotis, superioribus approximatis, petiolatis (petiolo 6—10 mm longo), 15—17 cm longis, 5—7 cm latis, ovato-lanceolatis vel oblongis, acuminatis, basi utrinque fere aequalibus; pinnulis primariis 10—12-jugis, alternis, contiguis, 3.5—4.5 cm longis, 1.5—1.8 cm latis, oblongo-ovatis, breviter acuminatis vel acutis, basi inaequalibus, antice truncatis, postice oblique cuneatis, omnibus breviter petiolulatis, utroque costae latere profunde pinnatifidis; pinnulis (segmentis) ultimis 5—7-jugis, oblongis, subcuneatis, basali anteriori majore, 1.2—1.5 cm longa, obtusa, margine

antere 1—2-lobato-incisa, sequentibus minoribus, lateribus fere integris, apice dentatis; nervis in segmentis 3—4-jugis, obliquis, basali anteriori saepe furcatis, utrinque prominulis, supra in hydrathodas punctatas pallidas terminantibus; paginis glabris, costulis nervisque supra saepe sparsissime strigosis exceptis; rachi, rachillis costisque stramineis, infra breviter et densius pilosis, supra profunde sulcatis et fere glabris; soris 3—5 in segmento basali anteriori, 2 vel saepissime 1 in segmentis sequentibus ad sinum positis, supra punctatis, indusiis reniformibus, basi solum affixis, virescentibus, glabrisque.

Kwangtung, Lofou Shan, leg. N. K. Chun No. 41418, on rocks, VI, 27, 1930.

39. **Microlepidia caudiformis** Ching, sp. nov.

Rhizomate, stipite 20 cm longo, 2 mm crasso, stramineo, basi molliter puberulo, supra sulcato; lamina ca. 50 cm longa, 25 cm basi lata, ovato-deltaeidea, apice pinnatifida, longe acuminata vel caudato-acuminata, deorsum tripinnata; pinnis 12—14-jugis, alternis, oblique patentibus, inferioribus 4—5 cm inter se remotis, infimis 15 cm longis, 4—5 cm latis, petiolatis (petiolo 3—5 mm longo), lanceolatis, longe acuminatis, basi aequali; pinnulis primariis infra apicem longe acuminatum pinnatifidum ca. 16—18-jugis, infra medium pinnarum 2.5—3 cm longis, 6—8 mm latis, lanceolatis, longe acuminatis, subfalcatis, basi utrinque inaequalibus, antice truncatis, postice oblique cuneatis, a se separatis, breviter petiolulatis (petiolulo alato, leviter decurrente), utroque costae latere profunde pinnatifidis; pinnulis (segmentis) ultimis 4—6-jugis, oblongis, ca. 4 mm longis, basali anteriori majore, omnibus ca. 2.5 mm latis, obtusis, margine inferiore rectis integrisque, exteriore et superiore dentatis; nervis in segmentis 3—4-jugis, tenuibus, obliquis, simplicibus aut basali anteriori furcatis, supra occultis, infra leviter prominulis; textura herbacea, colore in sicco viridi, vel superne obscure viridi, paginis utrisque praeter costas breviter et sparse villosas glabris; soris minutis, 1—3 pro segmento ad sinum positis, indusiis parvis, semicupuliformibus, pallide viridibus, minutissime puberulis.

Yunnan austr.-orient., Ho-kou, Ma-tou-yi, 200 m alt., in wooded ravine, No. 588 ex Herb. Department of Biology, Yunnan University.

40. **Microlepidia tenella** Ching, sp. nov.

Rhizomate late repente, tenui, 3 mm crasso, sparse et brevissime strigoso; frondibus distantibus, stipite 30 cm longo, basi 3 mm diametro, pallide stramineo, glabro; lamina oblonga, 50—65 cm longa, 20—25 cm lata, tripinnata; pinnis ca. 10-jugis, ca. 10 cm a se distantibus, obliquis, basalibus oppositis, paulo abbreviatis, sequentibus alternis, ad 24 cm longis, 4—5 cm latis, late lanceolatis, acuminatis, breviter (3—5 mm) petiolatis, basi late rotundo-cuneatis; pinnulis primariis ca. 20-jugis, alternis, distantibus, obliquis, anadromice dispositis, oblongis, breviter acuminatis, subfalcatis, basi utrinque inaequalibus, basali anteriori erecta et rachim tegente, inferiori majore, omnibus subsessilibus vel brevissime petiolatis, utroque ad costam pinnatifidis; segmentis ultimis 4—5-jugis, 8 mm longis, 4 mm latis, oblongis, obtusis, ad basin parum adnatis et breviter decurrentibus, contiguas, basali anteriori majore, oblonga, erecta, rachillas tegente, integra vel margine superiore lobulata, pauci-dentata, sequentibus minoribus, margine undulato-crenatis; nervis tenuibus, in segmentis 3—4-jugis, obliquis, simplicibus vel furcatis; textura herbacea, colore in sicco virente, pagina supra glabra, infra praeter costas costulasque breviter pilosas glabra; soris parvis, 3—5 pro segmento, superficialibus, indusiis rotundo-reniformibus, pallide griseis, membranaceis, glabris, basi solum adnatis, sursum liberis.