

植株高达 80 厘米。根状茎长而横走，密被红棕色或棕色钻状的长毛。叶远生，相距约 1—2 厘米；叶柄长 20—30 厘米，基部直径约 2.5 毫米，褐禾秆色，全部被灰棕色长软毛；叶片广披针形，长 40—50 厘米，宽 11—15 厘米，先端长尾状，基部多少变狭，一回羽状；羽片 23—28 对，对生或上部互生，下部各羽片相距 3—4 厘米，平展，有短柄，或上部的无柄，披针形，近镰刀状，长 6—12 厘米，宽 1—1.5 厘米，先端渐尖，基部圆截形，或为不对称的戟形，上下两侧多少为耳形，上侧的耳片较大，边缘有波状圆齿，但先端为锯齿状。叶脉自中肋斜出，一回二叉分枝，每齿有小脉一条。叶草质，干后上面呈黑绿色，下面绿色，叶下面各脉被有淡灰色的长柔毛，叶上面中肋密被褐色柔毛，各脉有二三疏长毛，但叶肉光滑；叶轴被与叶柄相同的毛。孢子囊群生于细脉顶端，近边缘着生，囊群盖杯形，长宽相等或略宽，先为绿色，后变为棕色，坚实，光滑，上边截形或波形，近于叶边，排成有规则的一行，宿存。

产台湾、福建、广东、海南、广西至云南东南部。生长溪边林中或阴湿地，海拔 100—1100 米。婆罗洲、印度尼西亚、马来亚、越南至印度北部及尼泊尔都有分布。

2. 长毛鳞盖蕨

Microlepia longipilosa Ching, sp. nov.

植株高 38 厘米。根状茎横走，密被灰色长针状毛。叶近生，相距约 3 毫米；叶柄长 15 厘米，基部粗约 2 毫米，灰禾秆色，基部被灰棕色长针状毛，上部脱落，有斑痕，上面有沟，下面圆；叶片披针形，长 23 厘米，宽 6.5 厘米，先端渐尖，羽裂，基部最宽，一回羽状；羽片 12 对，互生，相距 3 厘米，开展，下部的有柄（长 3 毫米），上部的几无柄，披针形，近镰刀状，长 6.5 厘米，宽 1.8 厘米，先端短渐尖，基部不等，上侧平截，与叶轴并行，下侧楔形，基部羽片为羽状深裂，以上的渐变浅裂，边缘全缘或呈波状。叶脉在各裂片为羽状，3—4 对，细脉单一。叶膜质，干后呈深绿色，叶轴及叶两面均被伏贴的灰白色长针状毛，毛长约 2 毫米。孢子囊群未成熟。

特产云南南部（西双版纳）。

本种形体酷似边缘鳞盖蕨 *M. marginata* (Houtt.) C. Chr., 但叶为薄草质，两面脉上密被极长的伏生的灰白色长针状毛。

3. 边缘鳞盖蕨 边缘鳞蕨（中国主要植物图说，蕨类植物门） 图版 XIX, 6—10

图版 XIX 1—5. 虎克鳞盖蕨 *Microlepia hookeriana* (Wall.) Presl, 1. 叶片的中部 ×1; 2. 羽片的一部分，表示孢子囊群的位置 ×3; 3. 根状茎的横切面（放大）；4. 叶柄横切面（放大）；5. 叶柄基部的毛（放大）。6—10. 边缘鳞盖蕨 *Microlepia marginata* (Houtt.) C. Chr., 6. 叶片的一部分 ×1; 7. 孢子（放大）；8. 叶柄的横切面（放大）；9—10. 叶柄基部的毛（放大）。

latere inciso-laciniatis, laciniis linearibus, angustatis, integris, raro bifidis; nervis crassis, utrinque prominulis; textura subcoriacea, colore in sicco obscura, pagina supra glabra, infra ad costas, costulas nervasque rufo-pustulatis; soris multis, mediocribus, sessilibus, non immersis in axillis pinnulium insertis, involucro 1 mm longo, infundibuliforme, valde inflexo, utroque latere angustissime marginato, rufo-brunneo, ore truncato, non dilatato, receptaculo crasso, 4—6-plo longiore, rufo-brunneo, curvato.

Yunnan austr.-orient., Ping-pien Hsien, Shi-ban Shiang, 2400 m alt., in primitive forests at the summit of the mountain, leg. V. M. Chu No. 48, III, 6, 1954.

Dennstaedtia Bernh.

6. *Dennstaedtia melanostipes* Ching, sp. nov.

Species *D. scabrae* (Wall.) Moore affinis, multo major et robustiore, stipite ebeneo vel atro-castaneo, lamina anguste elongato-oblonga utrisque glaberrima et nervis supra conspicue imprimis.

Rhizomate sine dubio reprente; frondibus solitariis, stipite 45—60 cm longo, 3—5 mm in diametro, ebeneo vel atro-castaneo, nitido, primum sparsissime piloso, aetate glaberrimo et scaberulo; lamina 60—70 cm longa, 24—28 cm medio lata, anguste ovato-oblonga, acuminata, tripinnata, rachi rufo-castanea, nuda sed scaberula; pinnis 15—20-jugis, suboppositis vel sursum alternis, oblique patentibus, petiolatis (petiolo ca. 5 mm longo), 16—20 cm longis, 6—8 cm latis, late lanceolatis vel anguste oblongis, longius acuminatis, basi utrinque aequalibus truncatisque, inferioribus non abbreviatis, 7—10 cm a se distantibus, sursum gradatim reductis et approximatis, bipinnatis; pinnulis primariis 14—18-jugis, alternis, breviter petiolulatis, anadromice dispositis, a rachillis fere recte egredientibus, lanceolatis, acuminatis, basalibus 3—4 cm longis, ca. 8—10 mm latis, sursum abbreviatis, basi inaequalibus anteriore rectis et productis, inferiore obliquis, utroque profunde ad rachillam anguste alatum pinnatis; pinnulis (segmentis) ultimis oblongis, 4—5 mm longis, obtusis (basali anteriori paulo majore), se se separatis, 3—5-incisis; lobulis oblongis, obtusis, integris, uninerviis; nervis tenuibus, infra prominulis, supra conspicue imprimis; textura chartacea, colore sicca virente, paginis utrisque glaberrimis, laevibus, rachillis brunneo-stramineis, nitidis, scaberulis; soris in segmentis inferioribus 3—5, in mediis 2—3, et in supremis 1 ad apicem lobularum sitis, indusiis pallide viridibus, cupuliformibus, recurvatis, glabrisque.

Yunnan austr.-orient., Ping-pien Hsien, Ta-wei Shan, in forest, 1200 m alt., leg. R. C. Ching No. 9, VII, 18, 1952.

Microlepia Presl

4. *Microlepia longipilosa* Ching, sp. nov.

Species statura dimensioneque *M. marginatae* (Houtt.) C. Chr. valde affinis differt praecipue lamina textura tenuiter herbacea, utrinque pilis ad 4 mm longis, setaceis, pallidis, adpressis sat dense onusta.

Rhizomate in specimine breve, erecto, dense strigoso-villoso; frondibus caespitosis, stipite 15 cm longo, 2 mm crasso, pallide stramineo, supra basin sparse piloso vel nudescente, subnitido; lamina 23 cm longa, ca. 10 cm basi lata, deltoideo-lanceolata, infra apicem acuminatum

pinnatifidumque simpliciter pinnata; pinnis liberis, ca. 8-jugis, alternis, patentibus, inferioribus ca. 3 cm inter se remotis, basalibus majoribus, ca. 5 cm longis, 1.8 cm basi latis, falcato-lanceolatis, brevi-acuminatis, sessilibus, basi utrinque inaequalibus, latere superiore rectis, inferiore cuneatis, ad dimidiam lobato-pinnatifidis vel in pinnis superioribus solum lobato-crenatis; lobis utroque latere costae 4—5-jugis, oblongis, obliquis, integris vel interdum apice leviter dentato-crenatis; nervis in lobis 3—4-jugis, indivisis, obliquis, utrinque prominulis; textura tenuiter herbacea, colore in sicco obscure viridi, paginis utrisque ad costas nervasque pilis 4 mm longis, setaceis, pallidis, adpressis densissime obtectis; soris ignotis.

Yunnan austr., Se-song-ban-nan, Yunnan Complex Expedition No. 314.

5. **Microlepidia modesta** Ching, sp. nov.

Rhizomate breve, repente, 2 mm crasso, pilis sat longis, pallide brunneis, luteis densissime oblecto; frondibus approximatis, stipite gracili, 5—7 cm longo, ca. 1 mm crasso, pallide stramineo, supra basin glabro; lamina 22 cm longa, 10 cm medio lata, ovato-oblonga, acuminata, deorsum decrescente, bipinnata; pinnis ca. 10-jugis, alternis, patentibus, subsessilibus, inferioribus abbreviatis, 3 cm inter se remotis, superioribus approximatis, basalibus 2.5—3 cm longis, 2 cm latis, sequentibus gradatim majoribus, mediis 5—6 cm longis, 2—2.5 cm basi latis, e basi latiore lanceolatis, acuminatis, basi subcordato-truncatis, utroque latere aequalibus, pinnatis; pinnulis ca. 10-jugis, approximatis, patentibus, oblongis, apice obtusis, dentatis, basi inaequalibus, antice truncatis, postice cuneatis, ad costam angustissime alatum decurrentibus, utroque costae latere ad dimidiam lobatis; lobis 2—3-jugis, rotundatis, dentatis; nervis tenuibus, in lobis furcatis, infra prominulis, supra obscuris; textura herbacea, pagina supra glabra, infra ubique breviter molliter puberula; soris minutis, uno pro lobo ad sinum positus, indusiis parvis, reniformibus, pallide virentibus, basi adnatis, cetera liberis, sparse puberulis.

Anwei austr., in the vicinity of Whang Shan, leg. P. C. Tsoong No. 18.

8. **Microlepidia pilosissima** Ching, sp. nov.

Rhizomate late repente, 4 mm crasso, pilis atro-rufis, patentibus, sat longis densissime oblecto; frondibus, solitariis, stipite 40 cm longo, 5 mm diametro, stramineo, nudesciente, ad basin aspero; lamina 50—60 cm longa, 34 cm basi lata, oblongo-deltaeidea, acuminata, bipinnata vel subtripinnatifida; pinnis ca. 20-jugis, alternis, oblique patentibus, inferioribus 8 cm inter se remotis, basalibus non abbreviatis, 17 cm longis, 3.5 cm latis, lanceolatis, caudato-acuminatis, basi aequaliter rotundatis, petiolatis (petiolo 3 mm longo), pinnatis; pinnulis 24-jugis, contiguis, patentibus, sessilibus, basalibus ad 3 cm longis, sequentibus brevioribus, acutis, acroscopico productis, basi inferiore cuneatis, utroque profunde pinnatifidis; segmentis in pinnulis basalibus anterioribus 5—7-jugis, in sequentibus 3—4-jugis, oblongis, obtusis, integris; nervis in segmentis pinnatis, nervulis 2—3-jugis, simplicibus aut furcatis, utrinque prominulis; textura crasso chartacea, colore in sicco supra obscure viridi, glabra, infra griseo-virente, ad costas nervasque pilis longis, griseo-brunneis, adpressis densissime oblecta; soris magnis, uno pro segmento ad marginem superiorem positus, indusiis semicupuliformibus, dense strigosis.

Yunnan, Yan-shan, Pie-shih-eih, 1200 m alt., in wooded valley, leg. C. W. Wang No. 84728, XI, 27, 1939.

9. **Microlepidia trichosora** Ching, sp. nov.

Species statura et dimensione *M. herbaceae* Ching et C. Chr. affinis, differt lamina