

小羽片 5—7 对,几无柄,对开式,近圆形或长圆形,长 8—10 毫米,宽 6 毫米,基部楔形,下缘及内缘平直,上缘及外缘圆弧形,边缘稍呈锯齿状,有 1—3 个小的缺刻。上部羽片 4—6 对,密接或呈复瓦状,卵状长圆形,长 2.5 厘米,宽 1.3 厘米,基部下侧常为圆弯曲,先端钝,有明显的中脉,边缘有疏而浅的缺刻。叶脉细,二叉分枝,下面明显,上面可见。叶草质,干后上面呈褐绿色,下面淡绿色。叶轴有四稜,暗栗色。孢子囊群线形,弯弓,沿上缘及外缘着生,常为 2—3 个浅缺刻所中断;囊群盖膜质,横线形,灰绿色,宽 0.5 毫米,距叶边 0.5 毫米。

产湖南南部、广西及福建南部。生森林中。

22. 云南陵齿蕨

Lindsaea yunnanensis Ching, sp. nov.

植株高 30 厘米。根状茎短而横走,密被棕色的钻形小鳞片。叶近生;叶柄长达 17 厘米,下面圆,上面有沟,暗栗色,有光泽,除基部被鳞片外,通体光滑;叶片三角形,长 14 厘米,宽 11 厘米,基部为二回羽状,其余为一回羽状;基部羽片近对生,上部互生,接近,水平开展,有柄,柄长 2 毫米,长圆披针形,长 6 厘米,宽 2.5 厘米,一回羽状,顶生一片不分裂,阔而长,渐尖头;小羽片 4 对,有短柄,对开式,长圆形,长 12 毫米,宽 7—9 毫米,基部广楔形,下缘及内缘平直,上缘及外缘圆弧形,边缘有许多锯齿(在不育羽片上),或大圆齿(在能育羽片上)。上部的短羽片约 10 对,接近,披针形至长圆形,长 4.2 厘米,宽 1.4 厘米,基部下侧常有圆弯缺,先端渐尖,有明显的中脉,边缘有粗锯齿。叶脉细,二叉分枝,下面明显,上面可见。叶草质,干后呈深绿色;叶轴有四稜,栗色至红棕色。孢子囊群短线形或长圆形,常为缺刻所中断,着生在 1—2 条小脉顶端;囊群盖横线形或长圆形,膜质,棕绿色,宽 0.5 毫米,几与边缘等宽。

产云南东南部(马关县,老君山)。生竹丛中,海拔 1100—1500 米。向南分布至越南边境。

23. 网脉陵齿蕨 网脉林蕨(中国蕨类植物图谱,第四卷)

Lindsaea davallioides Bl. Enum. Pl. Jav. (1828) 218; Hook. Sp. Fil. I (1846) 224; Hook. et Bak. Syn. Fil. (1865) 111; Yabe in Bot. Mag. Tokyo XVI (1902) 49; Matsumi. Ind. Pl. Jap. I (1904) 311; Cop. Polyp. Philip. (1905) 64; C. Chr. Ind. Fil. (1905) 392; Matsum. et Hay. Enum. Pl. Form. (1906) 596; Tagawa in Acta Phytotax. et Geobot. VI (1937) 39, f. 4 D-F; Tard.-Blot et C. Chr. in Fl. Indo-Chine VII, ii (1939) 127; H. Ito, Fil. Jap. Illustr. (1944) t. 21; Holt. Fl. Mal. II, Ferns Mal. (1954) 332, f. 190——*Synaphlebium davallioides* J. Sm.

nulis utroque 5-6-jugis, flabellato-cuneatis, 5—7 mm latis, liberis, contiguis, margine minute crenulatis; nervis flabellatim furcatis, laxis, utrinque notatis; pinnis sequentibus gradatim abbreviatis, supremis indivisis, 1—2 cm longis, ovatis, basi inferiore valde recurvatis, superiore rectis et rachin tangentibus; textura folii herbacea sat firma, colore in sicco viridi, rachi castanea, quadrangulari, costa pinnarum gramineo-viridi; soris secus marginem anteriorem lineas continuas vel interdum interruptas occupantibus, indusiis angustatis, pallidis, marginem fere attingentibus.

• Kwangtung, In-tak, Tsing-shiu Shan, *Hsu Hao Shiang* No. 00813 (1956). Also Kwangsi (Yao Shan).

20. **Lindsaea recedens** Ching, sp. nov.

Species configuratione et dimensione *L. chienii* Ching valde similis, differt minor, pinnulis acute denticulatis et indusiis angustioribus, e margine magis remotis.

Rhizomate breve, repente, ut basi stipitis dense paleaceo; frondibus numerosis, approximatis, stipite gracili, usque ad 20 cm longo, quadrangulari, castaneo aut brunneo-stramineo, nitido; lamina 10—12 cm longa, ad 10 cm basi lata, deltoidea, acuminata, bipinnata, sursum simpliciter pinnata; pinnis patentibus, breviter petiolatis, inferioribus 2-4-jugis pinnatis, sequentibus 5-7-jugis simplicibus, infimis majoribus, 4—5 cm longis, 1.5—1.8 cm latis, lanceolatis, acuminatis, infra apicem acuminatum remote incisum pinnatis; segmentis 4-7-jugis, 6—8 mm longis, flabellato-cuneatis, vel dimidiato-rhomboides, margine pauci-incisis, lobulis 2—4, margine acute dentatis; nervis flabellatim furcatis, utrinque potius obscuris; pinnis sequentibus simplicibus, gradatim abbreviatis, supremis trapeziformibus, 1—1.5 longis, 8 mm latis, obtusis; textura folii herbacea, viridi, rachi castanea, nitida, rachilla gramineo-viridi; soris 2—4 pro pinnula, vel 5—7 pro pinna, 3—5 venas occupantibus, indusio angusto, griseo, e margine segmentorum magis remoto.

Fukien, without locality, leg. *Ling Lai-kuan* No. 197 (typus); Tsun-an Hsien, Wu-i Shan, leg. *P. S. Chiu* No. 1080.

23. **Lindsaea yunnanensis** Ching, sp. nov.

Rhizomate breve, repente, dense paleaceo, paleis minutis, rufescentibus, lineari-lanceolatis; frondibus subcaespitosis, stipite usque ad 20 cm longo, atro-castaneo, subquadrangulari, supra basin glabro; lamina 14—17 cm longa, basi 14—18 cm lata, deltoidea, acuminata, pinnata, basi latissima bipinnata excepta; pinnis lateralibus infra apicem acuminatum lobato-pinnatifidum ca. 10-12-jugis, patentibus, breviter petiolatis, alternis, jugis basalibus longioribus, ad 9 cm longis, 2.5 cm latis, lanceolatis, acuminatis, in segmenta 1-6-juga ca. 1 cm longa et lata, libera subrotundata vel dimidiato-subrhomboides infra apicem sat latum crenato-lobulatum pinnata; pinnis ceteris omnibus simplicibus, infimis 4—5 cm longis, 1—1.5 cm latis, trapeziformibus, longe acuminatis, margine latere interno superiore recto rachim tegente, inferiore recurvato, integro et superiore recto 4-5-inciso; lobulis vix 1 mm longis, 3—5 mm latis, recte truncatis, margine integris vel undulatis; pinnis supremis 1.5—2 cm longis, oblongis, obtusis, contiguis; nervis liberis, flabellatim furcatis, utrinque obscuris; textura folii herbacea, colore sicca obscure viridi, glabra; rachi castanea, quadrangulari; soris secus marginem superiorem 5—6, inferiorem 3—4, uno pro lobulo, inferioribus longioribus, 4—5 venas et superioribus brevioribus, 2—3 venas occupantibus, 2—5 mm longis, indusio angusto, lineari, marginem attingente, leviter

crenulato.

Yunnan austr.-orient., Ma-kuan Hsien, Ching-kou (Lao Chün Shan), alt. 1100—1500 m, in bamboo thickets, leg. K. M. Feng No. 13646, XII, 5, 1947.

Schizoloma Gaud.

3. **Schizoloma intertextum** Ching, sp. nov.—*Lindsaea intertexta* Ching nom. in herb.

Rhizomate breve, repente, paleis minutis, rufo-ferrugineis, subulato-linearibus dense oblecto; frondibus approximatis, stipite 11—25 cm longo, atro-purpureo, paululum ultra 1 mm crasso, infra tereti, supra applanato, basi sparse paleaceo, sursum nudo; lamina 25—32 cm longa, 2.5—3 cm lata, elongato-lineari, pinnata infra apicem breviter subacuminatum ad alam perangustatum racheos pinnatifidum; pinnis numerosis (plerumque utroque latere ultra 20-jugis), alternis, patentibus, breviter petiolatis, inferioribus 3 cm distantibus, deltoideo-ovatis subcordatisve, 1.8 cm longis, basi latissima 1.3 cm latis (interdum jugis 1—3 basilibus prolongatis, 4—10 cm longis, 1—1.5 cm latis, pinnatis, pinnulis 2—14-jugis, ambitu pinnis superioribus similibus sed saepius minoribus), superioribus minoribus, densioribus, haud approximatis, flabelliformibus, basi inaequali subcordatis, supremis minimis, ca. 7 mm longis et latis, suborbicularibus, sessilibus, omnibus margine praesertim sterilibus denticulatis, costis pinnarum distinctis, sed apicem pinnarum non attingentibus, nervis lateralibus liberis, dichotomis, infra parum prominulis, supra obscuris; textura folii herbacea, obscure viridi; rachi straminea vel deorsum brunneo-straminea, infra tereti, supra plana; soris marginem totum (basi excepta) occupantibus, continuis, indusiis angustatis, pallidis, integris, marginem attingentibus.

Kwangsi, without locality, No. 50 ex Herb. Department of Biology, Kwangsi University (typus); Shang-sze Hsien, Shi-wan-ta Shan, on the border of Kwangtung, leg. W. T. Tsang No. 22106; south of Nan-ning, leg. R. C. Ching No. 7758, XI, 10, 1928. Yunnan austr.-orient., Hokou, leg. Tsai Ke-hwa No. 48, alt. 120 m, IV, 24, 1953.

Trogostolon Cop.

1. **Trogostolon yunnanensis** Ching, sp. nov.

Species statura *T. falcinello* (Presl) Cop. philippinae valde affine, differt paleis rhizomatis rufis, lamina 3-pinnatifida, et segmentis integris vel apice paululum bifidis.

Rhizomate late repente, ca. 3 mm crasso, densissime paleaceo, paleis rufis, patentibus, basibus peltatis deinde subito in pilum longe aciculatum contractis; frondibus distantibus, erectis, stipite ad 5 cm longo, tenui, rufo-stramineo, nudo; lamina ca. 10 cm longa, 7—8 cm basi lata, deltoidea, acuminata, glabra, tripinnatifida; rachide utroque latere plus minusve anguste alata; pinnis ca. 10-jugis infra apicem pinnatifidum, patentibus, inferioribus subalternis, 1.8 cm a se distantibus, superioribus approximatis, infimis maximis, breviter petiolatis, 4—5 cm longis, 2—2.5 cm basi latis, oblongis, breviter acuminatis, basi subaequali, basiscopica parum productis; pinnulis 6-8-jugis, contiguas, oblique patentibus, 1—1.4 cm longis, 5—6 mm latis, oblongis, obtusis, basi cuneatis, ad costam alatum decurrentibus; segmentis ultimis 3-5-jugis, obliquis, linearibus, 3 mm longis, 1 mm latis, integris vel ad apicem inaequaliter bifidis; nervis in segmentis simplicibus vel furcatis, utrinque notatis; textura folii herbacea,