

上面灰綠色,下面淺灰綠色,兩面光滑。孢子囊羣綫形,長 1.5 毫米,有孢子囊 16—22 個,距平伏不育的邊緣 1 毫米處着生,上部及先端不育。

产于云南南部(西双版纳)。

近于大觀音座蓮 *A. magna* Ching, 但本种倒行假脉短而不明显,邊緣几为全緣,或有淺鋸齒,从不作圓齒狀。

32. 披針觀音座蓮

Angiopteris caudatiformis Hieron. in Hedwigia LXI (1919) 278; C. Chr. Ind. Fil. Suppl. III (1934) 25; Tard.-Blot et C. Chr. in Fl. Indo-Chine VII, ii (1939) 20.

叶柄粗如拇指,干后淺綠棕色,光滑。叶二回羽狀;羽片長圓形,基部略變狹,長達 70 厘米,上部最寬處達 25 厘米,基部寬 16—20 厘米,羽柄長 3—3.5 厘米;小羽片 14—18 對,几對生,柄短,長 1 毫米;基部小羽片稍向上,長 8.5 厘米,上部的長達 22 厘米,寬達 2.5 厘米,斜向上,長披針形,基部近圓形(上側廣楔形,下側圓形),先端長漸尖,邊緣有鋸齒。叶脉开展,单一或分叉,兩面都明显,倒行假脉不明显,長与孢子囊羣相等。叶为紙質,上面灰綠色,下面淺灰綠色,下面中脉及細脉上有棕色綫形的鱗片疏生,或几光滑。孢子囊羣綫形,長 2 毫米,有孢子囊 18—24 個,距平伏不育的邊緣 1 毫米處着生,先端不育。

产于云南东南部。

33. 馮氏觀音座蓮

Angiopteris fengii Ching, sp. nov.

植株高 2—3 米。叶柄粗如指,干后黑棕色,光滑。叶二回羽狀;羽片几對生,上部略为互生,長圓形,向基部略變狹,長達 83 厘米,基部寬 12 厘米,上部寬 20 厘米,羽柄長 3 厘米,羽軸頂部兩側有翅,奇数羽狀;小羽片達 24 對,下部的相距 2 厘米,近對生,上部为 3 厘米,互生,柄短,不及 1 毫米;基部小羽片長 6 厘米,寬 1.8 厘米,中部的長 9—11 厘米,寬約 2 厘米,闊披針形,基部圓形,先端漸尖,邊緣有淺波狀齒牙。叶脉开展,单一或分叉,兩面都明显,倒行假脉不明显,長与孢子囊羣相等。叶为紙質,上面深綠色,下面淺綠色,兩面光滑,棕色綫形鱗片極稀少或无。孢子囊羣綫形,長 2 毫米,孢子囊 18—24 個,距平伏不育的邊緣 1 毫米處着生,先端不育。

产云南东南部。

34. 王氏觀音座蓮

Angiopteris wangii Ching, sp. nov.

植株高大,成密丛,高約 1.8 米,叶柄粗肥,叶片广大,二回羽狀;羽片互生,頗張

margine remotis, sporangiis 16—22.

Yunnan austr., Se-song-ban-nan, Yunnan Complex Expedition No. 5172.

33. **Angiopteris fengii** Ching, sp. nov.

Planta ad 2—3 m alta, stipite 2 cm vel ultra crasso, nigricante, glabro; lamina ampla, bipinnata; pinnis alternis, oblongis ad basin versus parum angustatis, 83 cm longis, basi 12 cm latis, medio 20 cm latis, petiolo 3 cm longo, 3 mm crasso, nigricante, glabro suffultis, rachillis ad apicem alatis; pinnulis 24-jugis, breviter petiolulatis, inferioribus, 6 cm longis, 1.8 cm latis, suboppositis, 2 cm inter se remotis, sequentibus majoribus, mediis 9—11 cm longis, ca. 2 cm latis, late lanceolatis, acuminatis, basi rotundatis, supremis similibus, margine plano minute crenato-dentatis; venulis fere patentibus, plerisque furcatis aut rarius simplicibus, ad apicem parum curvatis, utraque pagine latere prominulis, striis recurrentibus obsoletis, brevissimis; textura tenuiter chartacea, supra viridi, infra pallidiore, glabra, ad costas paleis minutis rufis perspersis excepta; soris linearibus, 2 mm longis, contiguis, 2 mm e margine remotis, sporangiis 20—24.

Yunnan austr.-orient., Mar-li-po (Lao-chun Shan), alt. 1200—1300 m, leg. K. M. Feng No. 13876, in mixed forest along the river bank, XII, 15, 1947.

34. **Angiopteris wangii** Ching, sp. nov.

Planta ad 2 m alta, stipite basi 3 cm vel ultra crasso, nigricante, glabro; lamina ampla, bipinnata; pinnis ultra 60 cm longis, 20 cm latis, oblongis, basin versus non angustatis, petiolo 2—3 cm longo, 5 mm crasso, brunneo-stramineo, glabro suffultis, rachillis crassis, infra teretibus, supra marginatis, ad apicem anguste alatis; pinnulis 20-24-jugis, 2.5—3 cm inter se remotis, inferioribus oppositis, patentibus, vix vel parum abbreviatis, superioribus subalternis, 10 cm longis, 2 cm latis, lineari-lanceolatis, breviter acuminatis, basi rotundatis, breviter petiolulatis, margine serrulatis, in sicco subrevolutis; venulis subpatentibus, furcatis, ad apicem subfalcatum incurvatis, supra notatis, infra prominulis, striis recurrentibus sparsis, obsoletis, brevissimis; textura folii tenuiter chartacea, brunneo-viridi, utraque pagine glabra; soris linearibus, 1.8 mm longis, contiguis vel approximatis, ca. 0.8 mm e margine remotis, sporangiis 12—14.

Yunnan austr.-orient., Hokou, Mar-wang-pa, leg. C. W. Wang No. C1.

35. **Angiopteris crassa** Ching, sp. nov.

Planta ad 1.8 cm alta; lamina ampla, bipinnata; pinnis 60 cm longis, 18 cm latis, anguste oblongis, petiolo 2 cm longo, 3 mm crasso, nigrescente, nudo suffultis, rachillis ad apicem exalatis; pinnulis 17-jugis, 2—2.5 a se remotis, inferioribus suboppositis, sequentibus alternis, brevissime petiolulatis, basi rotundatis, basalibus 7—8 cm longis, mediis longioribus, 1.5 cm latis, supremis ad 12 cm longis, 1.8 cm latis, lanceolatis, rectis, acuminatis, marginibus crenulato-denticulatis; venulis patentibus, furcatis vel raro simplicibus, apice vix vel leviter incurvatis, infra distinctis, supra notatis, striis recurrentibus usque ad soros progredientibus; textura folii crasso-chartacea, utrinque fere glabra; soris contiguis, linearibus, 2 mm longis, ca. 1 mm a margine plano remotis, sporangiis 18—22, apicibus pinnularum sterilibus.

Yunnan austr.-orient., Hokou, Man-pa, alt. 280 m, leg. Tsai Ke-hwa No. 855.

40. **Angiopteris brevicaudata** Ching, sp. nov.