

圓形,長約1毫米,彼此分離,距邊緣約為0.5毫米,由8—10個孢子囊組成。

特產于雲南南部。

57. 小果觀音座蓮

Angiopteris tenera Ching, sp. nov.

植株細瘦,高達90厘米。柄長35厘米,粗約5毫米,上面有一條闊而深的溝槽,干後為禾桿色,有狹披針形棕色鱗片疏生。葉為闊三角形,長55厘米,基部寬約60厘米,二回羽狀;羽片5對,互生,斜向上,相距5—6厘米,倒闊披針形,基部的長50厘米,上部的約40厘米,中部寬約8厘米,基部寬約3—4厘米,羽柄長2厘米,基部膨大,向頂部的3—4對小羽片間有狹翅;基部羽片有小羽片約40對,下部的互生,上部的對生或近對生,相距1.4厘米,向下逐漸縮短,最下部的長僅1.5厘米,長圓形,漸尖頭,中部的3厘米,頂部的6厘米,寬9毫米,披針形,略呈尾狀漸尖頭,基部近圓形,几無柄,頂生小羽片長8厘米,寬1.2厘米,柄長1厘米,邊緣有尖鋸齒。葉脈開展,二歧或單一,向頂部彎弓,兩面明顯,下面尤顯,沒有假脈。葉近薄草質,干後淡綠色,中肋下面略有疏鱗片伏生。孢子囊羣小,短長圓形或略為圓形,由5—6個孢子囊組成,彼此多少分開,外側有一條不育狹邊,寬不及1毫米。

特產于福建西南部。

58. 長頭觀音座蓮

Angiopteris attenuata Ching, sp. nov.

植株高大,高約2米。葉為二回羽狀;羽片互生,長約50厘米,狹長圓形,中部以上較寬,約為17.5厘米,自中部向下略變狹,基部寬約9.5厘米,羽柄長約5.3厘米;小羽片約17對,近對生,具短柄,下部的相距約2厘米,上部的約2.8厘米,基部的開展較短,長4.5—8.5厘米,寬0.7—1.5厘米,寬披針形至披針形,頂部漸尖或長漸尖,中部以上的向上斜升,長10.2—13.4厘米,寬1.5—2厘米,披針形,長漸尖頭,有時為近尾狀長漸尖頭,漸尖部分約為小羽片長的1/4,基部近圓形,頂生小羽片分離,與下面的小羽片同形,葉緣全部具有淺波狀的鈍鋸齒。葉脈上面不明顯,下面極明顯,相距約1毫米,一般為分叉或為單脈,斜展,頂部稍向上彎,達于鋸齒端,無倒行假脈。葉為草質,上面綠色,下面淡綠色;葉軸光滑,干後淡黃褐色,羽軸腹部具縱溝,基部粗約2.5毫米,頂部粗約1毫米,向頂端有狹翅。孢子囊羣長圓形或橢圓形,長約1毫米,彼此分離,距邊緣約1毫米,由8—12個孢子囊組成。

特產于廣東(英德,清水山)。

59. 峨眉觀音座蓮

58. *Angiopteris attenuata* Ching, sp. nov.

Planta ad 2 m alta; lamina bipinnata; pinnis alternis, ca. 50 cm longis, 17 cm medio latis, ad basin admodum angustatis, petiolo ca. 5 cm longo, 2.5 mm crasso, gramineo-viridi, anguste marginato suffultis, sursum per totam longitudinem rachillae anguste alatis; pinnulis ca. 17-jugis, 2.5 inter se remotis, suboppositis, inferioribus brevioribus, patentibus, infimis 4—5 cm longis, breviter petiolulatis, superioribus obliquis, 10—13 cm longis, 1.5—2 cm latis, e basi rotundata lanceolatis, apice in cuspidem 3 cm longam 4—5 mm basi latam lineari-deltaideam acuminatis (pinnula terminali lateralibus conformi), marginibus ubique crenulato-serratis; venulis subrecto-patentibus, laxis, plerique furcatis, ad apicem versus introrsim curvatis, infra prominulis et quam mesophyllo distinctioribus, supra vix notatis, striis recurrentibus nullis; textura herbacea in sicco utraque viridi, glabraque; soris oblongis, approximatis, inter se distantibus, 1.5 mm e margine remotis, sporangiis 8—10.

Kwangtung bor., In-tak, Tsing-shui Shan, leg. *Hou-shiung Tsu*.

61. *Angiopteris badia* Ching, sp. nov.

Planta ad 2 m alta, stipite 2.5 cm crasso, sordide brunneo, subglabro; lamina ampla, bipinnata; pinnis alternis, ad 70 cm longis, 18 cm latis, basin versus parum angustatis, petiolatis (petiolo ca. 3 cm longo), geniculo nigrescente, tumido, ca. 1 cm longo praedito, rachide secundi ordinis ca. 5—6 mm crassa, infra tereti, supra sulcata et anguste marginata, apicem versus alata; pinnulis 27-34-jugis, alternis, patentibus, 2—2.5 cm inter se remotis, 8.5—11 cm longis, 1.5—2.5 cm latis, inferioribus parum brevioribus, late lanceolatis, acuminatis, basi rotundo-truncatis, sessilibusque, pinnula terminali lateralibus conformi, marginibus subintegris, ad apicem serrulatis; venulis tenuibus, subrecto-patentibus, plerisque furcatis, intus marginem antrorsim curvatis, quam parenchymate obscurioribus, infra distinctis, supra vix notatis, spuriis recurrentibus nullis; textura herbacea, in sicco obscura, glabra; soris oblongis, 1 mm longis, contiguis, submarginalibus, e basi usque ad basin cuspidis pinnularum adscendentibus, sporangiis 8—10.

Yunnan austr.-orient., Hokou, Nan-chi, leg. *Tsai Ke-hwa* No. 733, V, 1, 1953.

62. *Angiopteris taweshanensis* Ching, sp. nov.

Planta ad 2 m alta, stipite 2 cm vel ultra crasso, fusco-brunneo, glabro; lamina ampla, bipinnata; pinnis alternis, 14 cm inter se remotis, obliquis, ad 60 cm longis, 16 cm latis, elongato-oblongis, petiolo 4 cm longo, 4—5 mm crasso, fusco-brunneo, glabro suffultis; pinnulis ca. 25-jugis, 2.5 cm inter se remotis, lanceolatis, acuminatis, basi rotundatis, breviter petiolulatis, omnibus conformibus, alternis, 8 cm longis, 1.5 cm latis, inferioribus patentibus, sursum obliquis, marginibus obscure crenulato-serrulatis, apice remote serratis, in sicco revolutis; venulis subpatentibus, simplicibus aut furcatis, infra prominulis, supra notatis, ad marginem vix curvatis; striis recurrentibus obsoletis, brevissimis, vix ad soros progredientibus; textura folii chartacea vel firmiter herbacea, supra obscure et infra olivaceo-viridi, fere glabra; soris contiguis, linearibus, ca. 0.5 mm e margine remotis, sporangiis 16—20.

Yunnan austr.-orient., Hokou, Man-pa, leg. *Tsai Ke-hwa* No. 110, IV, 8, 1953.

Lygodium* Sw.*4. *Lygodium yunnanense*** Ching, sp. nov.