

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,二叉或單一,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

intransibilibus et magis incrassatis, striis recurrentibus nullis; textura folii herbacea, utraque glabra, in sicco pallide viridi, vel supra atro-viridi; soris oblongis, approximatis, lineas interruptas occupantibus, 2 mm e margine remotis, sporangiis 8—10.

Fukien austr.-occid., Shan-yuan Hsien, Sin-kou-ling, leg. *Ling Ying* No. 227, IV, 27, 1931.

56. **Angiopteris acuta** Ching, sp. nov.

Planta ad 2 m vel ultra alta, stipite ca. 2 cm basi crasso, pallide stramineo, subglabro; lamina ampla, bipinnata; pinnis alternis, 48—62 cm longis, 22 cm medio latis, oblongis, deorsum parum angustatis, petiolo 4.5—9 cm longo, pallide stramineo, glabro et geniculo ad 1 cm longo, nigrescente admodum tumido praedito suffultis; rachillis ca. 2.4 mm crassis, pallide stramineis, ad apicem versus anguste alatis; pinnulis 15—20 jugis, alternis, 2—3 cm inter se remotis, inferioribus patentibus, superioribus obliquis, distincte petiolulatis, jugis infimis brevioribus, mediis longissimis, 11—14.5 cm longis, 2—2.3 cm basi latis, rectis vel interdum parte superiore paulo falcato-incurvatis, e basi latissima rotundataque late lanceolatis, sursum sensim longissime acuminatis, marginibus ubique creberrime et acute serratis, parte apicali lineari dentibus grossis acutis instructis, pinnula terminali lateralibus conformi; venulis patentibus, laxis, plerisque furcatis, ad apicem versus introrsim curvatis, parenchymate concoloribus, infra distinctis, supra notatis in dentes ingredientibus, striis recurrentibus nullis; textura herbacea, statu sicco utrinque obscure viridi, glabra; soris oblongis, ca. 1.3 mm longis, non contiguis, a basi usque ad partem tertiam apicalem pinnularum protensis, ca. 0.5 mm e margine remotis, sporangiis 8—10.

Yunnan austr., leg. *H. T. Tsai* No. 56485.

57. **Angiopteris tenera** Ching, sp. nov.

Planta ad 1 m alta, stipite in specimine 40 cm longo, stramineo, basi 6 mm crasso, supra profunde sulcato, per totam longitudinem paleis brunneis anguste lanceolatis, acuminatis adpresse consperso; lamina deltoidea, ca. 60 cm longa, 50 cm lata, bipinnata; pinnis praeter terminalem similem 6-jugis, obliquis, fere aequalibus, 30—40 cm longis, 10 cm medio latis, 6 cm inter se remotis, alternis, petiolo ca. 2 cm longo, supra geniculum tumidum olivaceo-viridem densius paleacem 1.5 mm crasso, stramineo suffultis, rachillis gracilibus, stramineis, utroque latere marginatis, ad apicem anguste alatis, paleis iis stipitum perspersis; pinnulis in pinna infima ad 40-jugis, oppositis vel subalternis, patentibus, breviter petiolatis, basin versus decrescentibus, infimis 1.5 cm longis, 8 mm latis, ovato-oblongis, breviter acuminatis, sequentibus gradatim majoribus, mediis 4 cm longis, 8 mm latis, supremis 7 cm longis, 1.3 cm medio latis (pinna terminali parum majore), longe acuminatis, basi subrotundatis vel subaequalibus (antice breviter obliquis, postice rotundatis), basin versus parum angustatis, marginibus ubique acute serratis, dentibus deltoideis, obliquis, acutis; venulis simplicibus aut supra basin aut supra medium furcatis, patentibus, utrinque prominulis, intus marginem antrorsim curvatis in dentes intransibilibus, striis recurrentibus nullis; textura folii tenuiter herbacea, in sicco pallide viridi, ad costas inferne paleis parvis rufis lineari-lanceolatis sparsis adpresse vestita; soris rotundatis, a se distantibus, 1.2 e apice serraturarum remotis, lineas interruptas e basi pinnularum usque ad dimidium longitudinis occupantibus, sporangiis 5—6.

Fukien austr.-occid., leg. *Ho Ching* No. 2139.