

云南新种苏铁初报

A Preliminary Report of New Cycad from Yunnan

管中天

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滇南苏铁 新种

Cycas diannanensis Z. T. Guan et G. D. Tao. sp. nov.

Species affinis *cycas taitungensis* C. F. Shen et al., sed foliis frondium papyraceis, rachidibus patentibus vel subangulis obtusis, marginis leviter revolutis vel non, costis medis utrinque elevatis, versicoloribus quam foliorum laminis in sicco, petiolis 70—80 cm longis, lateralibus crasse spinosis, 36—40 binatis, apice acuminatis et leviter falcatis, circa 3 mm longis; ovalis persaepe glabris vel ferrugino-brunneris pilosis. Differt *C. taiwaniana* Carruthers ovalis piliferis.

Truncus 1—3 m altus, 30—40 cm diameter, cicatritibus foliorum cingulis. Folia pinnatisecta cir. 2.5 m longa, petiolia 80 cm longis, lateralibus crasse spinosis, 36—40 binatis, apice acuminatis et leviter falcatis, cir. 3 mm longis; foliolis frondium a¹ 138 binatis, lineari—lanceolatis, papyraceis, 35—38 cm longis, 1.5 cm latis, abaxialibus leviter plano—compressis, marginis leviter revolutis vel plantis, costis medis utrinque elevatis, versicoloribus quam foliorum laminis in sicco. Strobilus masculorum tereti—ovoidei, microsporophylla flavotomentosa, strobilus femineorum ovoidei, cir. 20 cm longi, 15 cm diametri, macrosporophylla 26—30 cm longa lamina terminali sterili ovalorbicular vel palmati—rhombica, abaxiales flavo—brunneo—tomentosis, adaxiales glabris, segmentis 26—40 in marginis, subulatis, 2—3.5 cm longis, stipitibus 6—17 cm longis; ovulis 3—7 binatis in utroque latere partis supra medis stipitis insertis, persaepe glabris vel brunneris pilosis.

SW CHINA: Yunnan, S. Gejiu County (个旧县), Manhao (蔓耗); alt. 700—1120 m. G. D. Tao 95014 (Holotypus in Sichuan Institute of Exploration and Design of Forestry, Chengdu).

茎干高1—3m,直径30—40cm,具环状叶痕。羽叶纸质,长约2.5m,羽片约138对,在叶轴上平展或近钝角排列;叶柄长约80cm,两侧具短刺36—40对,先端尖锐而微弯,长约3mm;羽片线状披针形,长35—38cm,宽1.5cm,中脉两面隆起,背面微扁平,干后与叶不同色。雄球花柱状卵圆形,小孢子叶被黄色绒毛。雌球花卵圆形,长约20cm,直径15cm;大孢子叶长26—30cm,不育顶片宽圆形或掌状菱形,背面密被黄褐绒毛,腹面无毛,边缘具26—40对钻形裂片,长约2—3.5cm,柄部长6—17cm,两侧近上中部着生3—7对胚珠,疏生毛与无毛并存。

花期1—2月,种子成熟期11—12月。

本种与台东苏铁近似,但羽叶纸质,在叶轴平展或近钝角排列;羽片(小叶)边缘不反卷或微反卷,中脉两面隆起,干后与叶不同色;叶柄长70—80cm,两侧具36—40对粗刺,尖微弯,长约3mm;胚珠通常无毛,或生锈褐色毛。与海南苏铁(*C. taiwaniana* Carruth)区别在于胚珠具毛。

本种产云南省个旧市南部绿水河与清水河之间蔓耗镇附近陡峻的石灰岩山上,分布海拔700—1120m,伴生树种有虾子花(*Woodfordia fruticosa*),白茅(*Imperata cylindrica* var. *major*)等,数量稀少,急待保护。

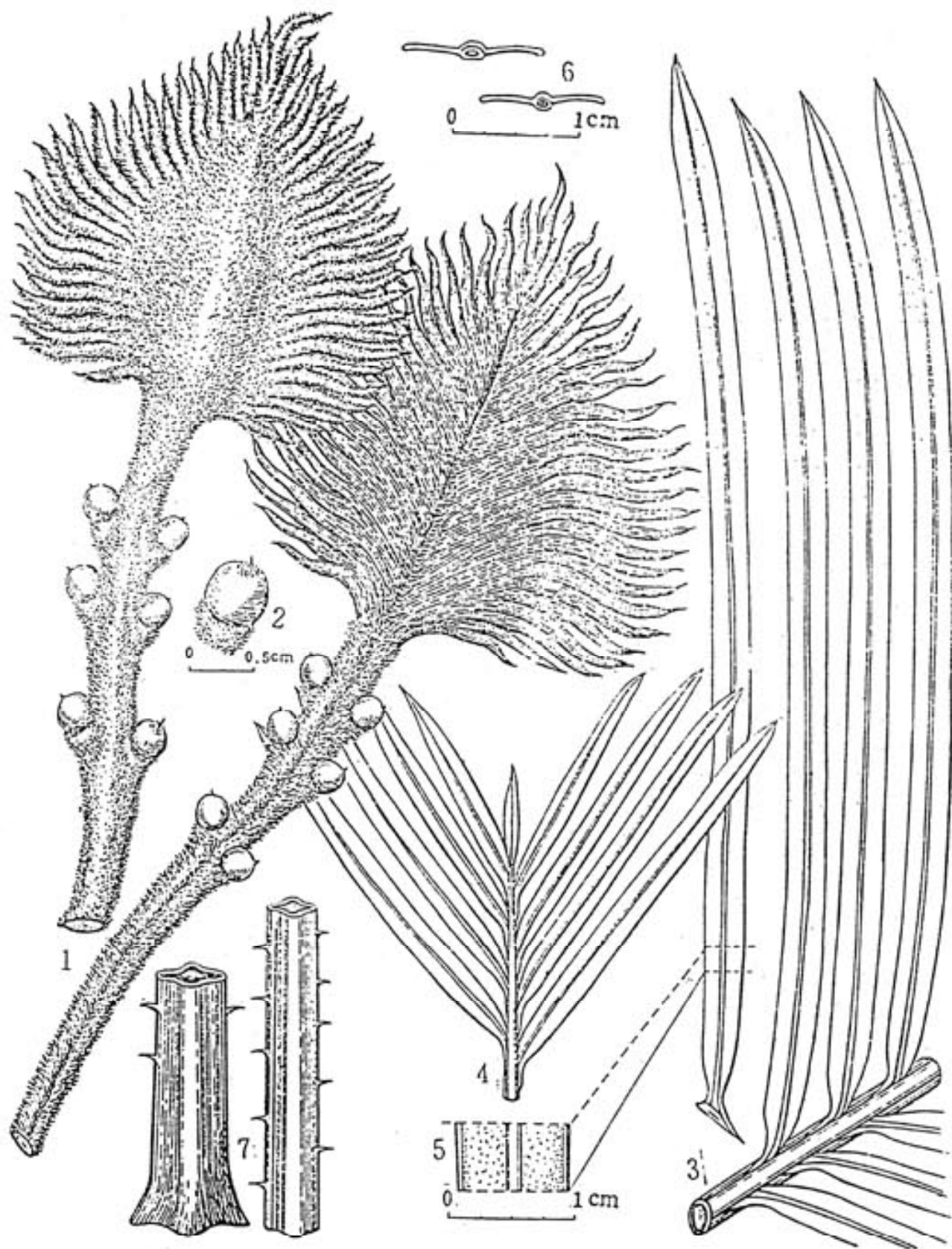


图 滇南苏铁(*Cycas diannanensis* Z. T. Guan et D. Tuo sp. nov.)

1. 大孢子叶及胚珠(上示背面,下示腹面); 2. 有毛的胚珠; 3. 羽状叶一段; 4. 羽状叶先端;
5. 羽片背面; 6. 羽片横切面; 7. 叶柄基部及中部。

(自陶国达95014,李光辉绘)