

楔形，有时为楔形，全缘，上面深绿色，下面淡绿色或淡黄绿色，两面均无毛，中脉在上面明显凹陷，下面隆起，侧脉6—7对，两面均不明显；叶柄长5—10毫米。花单生于叶腋或生于无叶的小枝上，花梗纤细，长1—1.5厘米，近花萼处稍粗肥；雄花：直径1.3—1.5厘米，小苞片2，卵状三角形或卵状披针形，长1—2.5毫米，宽1—1.5毫米，顶端尖；萼片5，卵状长圆形或长圆形，长3—4.5毫米，宽2—3.5毫米，顶端圆或钝，边缘具腺状齿，外面无毛；花瓣5，黄色或米黄色，阔倒卵形，长6—7毫米，宽约6毫米，顶端圆而有微凹；雄蕊约45枚，长4—5毫米，花药线状长圆形，长2—2.5毫米，花丝通常较花药稍长或近等长，药隔顶端突出不明显；退化子房微小。两性花未见。果实卵形，成熟时紫红色，长10—12毫米，基部最宽，直径约8毫米，顶端渐尖，2室，宿存花柱短，2深裂，长约1毫米，柱头盘状，小苞片宿存，宿存萼片长圆形，长4—5毫米，宽3—3.5毫米，果梗长1—1.5厘米，果皮薄，皮革质；种子每室2个，长卵状半圆形，成熟时假种皮红色，长约7毫米，直径约4毫米。花期6—7月，果期8—10月。

产于四川的峨眉山、南川、雷波及重庆、贵州清镇等地；多生于海拔650—1750米的山坡路旁林中或灌丛中。模式标本采自四川峨眉山。

本种和厚皮香 *T. gymnanthera* (Wight et Arn.) Beddome 很近似，区别在于本种的果实卵形，顶端尖，雄蕊的花药较花丝略短以及叶片较宽等。本种也和亮叶厚皮香 *T. nitida* Merr.，很相似，但后者叶片干后常呈黑色，侧脉在两面均明显而凸起以及萼片长卵形等易于区别。

12. 思茅厚皮香 (新拟) 图版 5: 1—6

Ternstroemia stmaoensis L. K. Ling [Icon. Corm. Sin. Suppl. 2: 476. 1983. in clavi nom. nud.] sp. nov. in Addenda p. 187.

灌木或小乔木，高2—10米，胸径达30厘米；小枝灰褐色，无毛。叶互生或聚生于枝端，呈假轮生状，薄革质，长圆状狭椭圆形，有时为倒披针状狭椭圆形，长6—9.5厘米，宽2.5—3.5厘米，顶端短尖或短渐尖，尖头钝，基部楔形，边近全缘或上半部有黑色腺状齿突或为细钝齿，上面深绿色，有光泽，下面浅绿色，两面均无毛，中脉在上面凹下，下面凸起，侧脉5—8对，两面均明显，且稍凸起，偶有在上面略凹下；叶柄长1—1.3厘米。花单生于叶腋或无叶的小枝上，杂性，花梗长约1厘米，或在雄花中长达1.5厘米；雄花：小苞片2，三角形或卵状三角形，长宽各1—1.5毫米，边缘疏生腺状齿突；萼片5，近圆形，长宽各2—3毫米，顶端圆，边缘疏生腺状小齿，外面无毛；花瓣5，黄色，阔倒卵形或倒卵圆形，长宽各4—5毫米；雄蕊多数，约50枚以上，长2—3.5毫米，花药长圆形，长约1毫米，药隔先端稍突出，花丝长1—2.5毫米；退化子房微小。两性花：小苞片、萼片和花瓣与雄花同；雄蕊约45枚；子房卵圆形，2室，胚珠每室2个，花柱短，2深裂。果实椭圆形，顶端钝或近圆，长10—12毫米，中部最宽，直径8—9毫米，小苞片宿存，宿存萼片长3—4毫米，宿存花柱长1.5—2毫米，顶端2深裂，果梗较粗，



图版 5 1—6. 思茅厚皮香 *Ternstroemia simaoensis* L. K. Ling: 1. 果枝; 2. 花; 3. 萼片; 4. 花瓣; 5. 雌蕊; 6. 雄蕊。7—13. 小叶厚皮香 *Ternstroemia microphylla* Merr.: 7. 果枝; 8. 叶片; 9. 花; 10. 萼片; 11. 花瓣; 12. 雌蕊; 13. 雄蕊。(蔡淑琴绘)

长约 1 厘米；种子每室 1 个，未完全成熟。花期 5—7 月，果期 9—10 月。

产于云南南部的思茅、勐海、景洪、双江、澜沧、普洱等地；多生于海拔 760—1800 米的山地疏林或密林中。模式标本采自云南景洪。

本种和亮叶厚皮香 *Ternstroemia nitida* Merr. 很相似，但后者的果实卵形，萼片长圆形，两面均密被金黄色小圆点以及果梗纤细，长约 2 厘米等易于区别。又本种和小叶厚皮香 *Ternstroemia microphylla* Merr. 也很相似，区别在于那个种的叶片远较小，倒卵形，侧脉较少，两面均不明显以及花梗和果实均较短小等。

13. 日本厚皮香（新拟）

Ternstroemia japonica Thunb. in Trans. Linn. Soc. **2**: 335, 1794, p. p.; emend. Sieb. et Zucc., Fl. Jap. 148, t. 80, 1841; Forbes et Hemsl. in Journ. Linn. Soc. **23**: 75, 1886 p. p.; Ito et Matsumura, Tent. Fl. Lutch. 324, 1899; Matsumura et Hayata in Journ. Coll. Sci. Tokyo **22**: 45, 1906; Hayata in Journ. Coll. Sci. Tokyo **25** (19): 60, 1901; Icon. pl. Formos. **1**: 84, 1901; Schneider, Ill. Handb. Laubh. **2**, f. 611: 2—e, 1912; Rehd. et Wils. in Pl. Wils. **2**: 397, 1916 p. p.; Craib, Fl. Siam. Enum. **1**: 124, 1925; 牧野, 新日本植物图鉴 394, 图 1574, 1979; Hiroshi Hara, Enum, Spermat. Jap. **3**: 172, 1954; 浙江植物志 **4**: 202. 1993. — *Cleyera japonica* Thunb., Nov. Gen. Pl. **3**: 69, 1783, quoad fr.; Fl. Jap. 224, 1784, quoad fr. — *Cleyera fragrans* Champ. in Trans. Linn. Soc. **21**: 115, 1855. — *Cleyera dubia* Champ. in Trans Linn. Soc. **21**: 115, 1855. — *Ternstroemia fragrans* (Champ.) Choisy in Mem. Soc. Phys. Gen. **14**: 109, 1855. — *Ternstroemia dubia* (Champ.) Choisy in Mem. Soc. Phys. Gen. **14**: 109, 1855. — *Mokofua japonica* (Thunb.) O. Kuntze, Rev. Gen. pl. **1**: 64, 1891. — *Taonabo japonica* (Thunb.) Szyszylowicz in Engl., Pflanzenfam. **3** (6): 188, 1893. — *Ternstroemia gymnanthers* (Wight et Arn.) Sprague in Journ. Bot. **61**: 18, 1923 p. p.; Kanehira, Formos. Tr. ed. **2**, 473, f. 432, 1936; Keng in Taiwania **1**: 253, 1950; Ohwi, Fl. Jap. 776, 1953; Liu, Ill. Nat. Intr. Lign. pl. Taiwan **1**: 253, pl. 209, 1960; H. L. Li, Woody Fl. Taiwan 597, pl. 234, 1963; H. L. Li, Fl. Taiwan **2**: 618, pl. 426, 1976; 江苏植物志, 下册, 502, 图 1559, 1982, 一部分——*Ternstroemia mokof* (Adans.) Nakai, Sylv. Korea. **17**: 86, t. 22, 1928.

灌木或乔木，高 3—10 米，胸径 20—25 厘米，全株无毛；树皮灰褐色或深褐色，平滑；嫩枝淡红褐色，小枝灰褐色。叶互生，革质，常聚生于枝端，呈假轮生状，椭圆形、椭圆状倒卵形或阔椭圆形，长 5—7 厘米，宽 2.2—3 厘米，有时长仅约 4 厘米，宽约 1.4 厘米，顶端钝或短尖，尖头钝，稀可近钝圆而略微凹，基部楔形或窄楔形，上面深绿色，下面淡绿白色，有时灰绿色，两面均无毛，中脉在上面凹下，下面凸起，侧脉 4—6 对，干后在上面稍凹下，在下面略明显或两面均不明显；叶柄长 5—10 毫米。花两性或单性，

济华) 91683; Leibo Xian (雷波县), alt. 770 m, in hill slope, June, 22, 1976, small tree 3 m high, Jin Xiu ban (进修班) 76—96. Guizhou: Qingzhen (清镇), alt. 1150 m, in bushes, Oct. 18, 1956, shrub 3 m high, fruits ovate, Chuan qian dui (川黔队) 2182.

思茅厚皮香 (新种)

Ternstroemia simaoensis L. K. Ling, sp. nov.

Affinis *T. nitidae* Merr., quae fructu ovato, sepalis oblongis, utrique luteis punctis notatis, pedicellis gracilis, circ. 2 cm. longis differt; etiam affinis *T. microphyllae* Merr., quae foliis minoribus, obovatis, nervis lateralibus paucioribus, utrique inconspicuis, pedicellis et fructibus brevioribus, minoribus differt.

Frutex vel arbor parva, 2—10 m alta, trunco circ. 30 cm. diam.; ramulis griseo-brunneis, glabris. Folia alterna vel aggregata, apice ramosum subverticillata, tenuiter coriacea, anguste oblongo-elliptica vel oblanceolato-elliptica 6—9.5 cm longa, 2.5—3.5 cm lata, apice breviter acuta vel breviter acuminata, in apicibus obtusis, basi cuneata, margine subintegra vel supra medium nigra glandulo-serrulata vel serrulata supra atroviridia, nitida, subtus laete viridia; utrique glabra, costa supra impressa, subtus elevata, nervis lateralibus, 5—8-jugis, conspicuis, impressa; petioli 1—1.3 cm longi. Flores in axillis foliorum singularis vel ramulis foliorum delapsorum crescentes, pedicellis circ. 1 cm longis vel 1.5 cm longis in flore masculino. flores masculi: bracteolae 2, triangulae vel ovato-triangulae, 1—1.5 mm longae, 1—1.5 mm latae, margine sparsim glandulo-serrulatae; sepala 5, subrotundata, 2—3 mm longa, 2—3 mm lata, apice rotundata, margine sparsim glandulo-serrulata, extus glabra; petala 5, fulva, late obovata vel obovoidea, 4—5 mm longa, 4—5 mm lata; stamina numerosa, superata 50, antheris oblongis, circ. 1 mm. longis, apice paulo elevata, filamentis circ. 1—2.5 mm longis; ovarium abortivum minutum. flores hermaphroditi: stamina circ. 45; ovarium oblongum, 2-loculatum; ovulis 2 in quoque loculo, stylo brevior, bipartito, Fructus ellipticus, apice obtusus vel subrotundatus, 10—12 mm longus, in medio latissimus, 8—9 mm diam., bracteolae persistens, sepala persistentia 3—4 mm. longa, stylus persistens 1.5—2 mm longus, apice bipartito; semina 1 in quoque loculo, non satis maturum.

Yunnan: Jinghong Xian (景洪县), alt. 840 m., in dense forest, Oct. 1936, tree, 10 m. high, D. B. H. 30 cm, fruits green, Wang Chi-wu (王启无) 79551 (Type, PE); Nanqiao (南峽), alt. 1400 m, in forest, June, 1936, Shrub, 3 m high, flowers white, Wang Chi-wu (王启无) 75208; same locality, Wang Chi-wu (王启无) 75210; Menghai Xian (勐海县), alt. 1150 m, in forest, Oct. 18, 1959, tree, 5m high, Tsai Hsi-tao (蔡希陶) 59-10575; Fohai (佛海即勐海), alt. 1800 m, July, 1936, tree, 5 m

high, flowers greenish, Wang Chi-wu (王启无) 77232; same locality, alt. 1150 m, in forest, Dec. 21, 1951, tree, 5 m. high, Fang Kuo-mei (冯国楣) 14279; Shuangjiang Xian (双江县), alt. 1300—1500 m, forest on road side, Sept. 16, 1957, shrub, 6 m high, fruits green, Xin Jing-san (辛景三) 938.

屏边杨桐 (新种)

***Adinandra pingbianensis* L. K. Ling, sp. nov.**

Haec species valde affinis *A. nigroglandulosae*, sed a qua differt floribus vulgo 2—5 axillaribus, stylus 3—4 mm. apice brevis 3—4 lobatus, staminis 20, sepala rotundato-ovoidea, pedicelli 6—8 mm longi, folia obovato-elliptica, minor, apice breviter acuminata vel caudata, nervis lateralibus 12—14, subtus paulo conspicuis.

Arbor, usque ad 12—25 m alta; rami teretes, ramulis griseo-brunneis, glabris, ramulis hornotinis, rursis, primo paulo adpresso-pubescentibus, mox delapsis, glabrescentibus; gemmae terminatae argute coniciformes, dense flavo-brunneae adpresso-pubescentes. Folia alterna, coriacea, obovato-elliptica vel oblongo-elliptica, 8—12.5 cm longa, 2.7—3.8 cm lata, apice in formam breviter acuminata vel caudata subito attenuata, basi cuneata, margine serrulata, supra viridia, glabra, subtus viridulia, primo paulo cinereo-brunnea adpresso-pubescentes, ad costam densissime, mox delapsa, glabrescentes glandulosa paulo rursus, costa supra impressa, subtus elevata, nervis lateralibus 12—14-jugis, supra inconspicuis, subtus paulo conspicuis; petioli 1—1.2 cm longi, fere glabri. Flores vulgo 2—5 axillares; pedicelli 6—8 mm longi, vulgo erecti, interdum paululo recurvati, leviter pubescentes; bracteolae 2, deciduae vix bracteolarum delapsarum cicatricibus; notatae; sepala 5, rotundato-ovoidea, tenuia, longa vel lata 1.5 mm, apice orbicularia, apiculata, margine ciliata, extus paulo pubescentia vel fere glabra; petala 5, alba, oblonga vel obovato-oblonga, circa 8 mm longa, circa 4 cm lata, apice orbicularia, extus omnino glabra; stamina 17—20, 4—6 mm longa, filamenta 2.5—4.5 mm longa, sublibera, basi corollarum inserta, supra medium dense pilosa, infra medium glabra, antherae ovoideae, circa 1 mm longae, pilosae, apice apiculatae; ovarium ovato-rotundatum, 3—4-loculare, ovula in quoque loculo plurima, stylus 3—4 mm longus, glaber, apice brevis 3—4-lobatus. Fructus ovato-globosus, glaber, immaturus, circa 5 mm diam., stylus persistens 4 mm longus, pedunculus circa 8 mm longus; semina minora, circa 7—12, brunnea, nitida, testae reticulatae.

Yunnan: Pingbian Xian (屏边县), alt. 1200—1300 m, in dense forest, April, 18, 1954, tree, 25 m high, flower white, Mao Ping-yi (毛品一) 3871 (type, PE); same locality, alt. 1260 m, in forest, Aug. 3, 1958, tree, 15 m high, fruit green, Mao Ping-