

## 广西杜鹃花研究(一)\*

谭沛祥

(中国科学院华南植物研究所)

### 1. 岩谷杜鹃 新种 图1

(杜鹃亚属, 长尾种子组)

附生小灌木, 高20—60厘米; 枝圆柱状, 密布小疣瘤, 近似越橘杜鹃 *Rh. vaccinioides* Hook. f. 和匍枝杜鹃 *Rh. euonymifolium* Lévl.; 不同于前者为: 叶密集, 非散生, 边缘外折, 花黄色; 不同于后者为叶向枝端聚生, 较小, 花萼裂片长圆形, 被缘毛, 花较小, 不同于二者为子房和蒴果有鳞点而且被毛, 可资区别。

***Rhododendron rupivalleculatum* Tam, sp. nov. fig. 1.**

(Subgen. *Rhododendron*, Sect. *Vireya*)

*Rh. vaccinioides* auct. non Hook. f., Materials on Anti-bronchitis 1: 88, 1973.

Species affinis *Rh. vaccinioides* Hook. f. et *Rh. euonymifolio* Lévl.; ab hoc foliis congestis non dispersis, marginibus valde revolutis, floribus luteis ab illo foliis prope apicem ramulorum aggregatis, minoribus, calycis lobis manifestis, oblongis ciliatis, floribus minoribus, petalis maculatis differt; ab ambabus ovario et capsula non solum lepidota sed etiam tomentosa distinguitur.

Frutex parvus, 20—60 cm altus, ramis teretibus, juventute dense verrucosis. Folia congesta, 3—4 verticillata, coriacea, spathulato-obovata, 1.4—2.0 cm longa, latiora 8—10 mm lata ad basin decurrentia, margine valde revoluta, nervis lateralibus 3—4, supra tantum visis, subtus obsolete; petioli subsessiles. Flores lutei, solitaires, terminales; pedicelli graciles, 1—1.5 cm longi; calyx patelliformis, lobis 5, plerumque oblongis, 1.2 mm longis, 1 mm latis, sparse punctatis, margine leviter setulato-ciliatis, corolla late campanulata, 10—12 cm longa, 1.4 cm diam., sparse punctata, lobis spathulato-ovatis, 6—7.5 mm longis, rubro-maculatis, stamina 10, 8—10

\* 本文的拉丁文描述, 承黄成就教授审阅, 谨致谢意。

mm longa, filamentis puberulentis in mediis. Ovarium brevi-cylindricum, 2,2 mm longum, dense tomentellum lepidotumque, stylo 5 mm longo, semper reclinato, stigmatate depresso-capitato, leviter 5-lobato. Capsula oblonga, 9—12 mm longa, 1-pidota et tomentosa.

**Guangxi**(广西): Longsheng Xian(龙胜县), Shaling(沙岭), ad saxum, in silvis laxis vallibus: flores lutei, 27, Jul. 1957, H. F. Qin(覃灏富) et C. T. Lee(李中提) 70860 (Typus, Ks\*), 71161 (Ks); ibid. 1360 m s.m. summo, aprico, 22 Nov. 1957, C. T. Lee(李中提) et Y. C. Chen(陈永昌) 600102 (Ks); Da Miao Shan(大苗山), 1290 m s.m., monte, in itinere, in silva laxa, valle 21 Aug. 1958, S. H. Chun(陈少卿) 16396. (Ks).

**Guangdong**(广东): Lechang Xian(乐昌县), Yenbay Shan(岩背山), in saxis vallibus, 18 Jan. 1931, S. P. Ko(高锡明) 51156.

## 2. 资源杜鹃 新种 图 2

(无鳞杜鹃亚属, 无鳞杜鹃组)

乔木或灌木, 高达 5 米; 枝颇粗壮, 小枝多分枝, 嫩时被稀疏丛卷毛和刚毛, 与安徽杜鹃 *Rh. anweiense* Wils. 有近缘, 但叶长圆状披针形, 花序少花, 花丝在基部附近被淡黄色微柔毛, 子房密被尘状微柔毛。

*Rhododendron ziyuanense* Tam, sp. nov. fig. 2

(Subgen. *Hymenanthes*, Sect. *Hymenanthes*)

Species affinis *Rh. anweiense* Wils. sed foliis oblongo-lanceolatis, inflorescentiis paucifloribus, filamentis prope basin dilute flavido-puberulis, ovario pulverulento-puberulo dense obtecto bene differt.

Arbor parva vel frutex ad 5 m altus, ramis paulo validis, brunneis, ramulis ramosis, juventute sparsim floccosis et hirsutis. Folia coriacea, oblongo-lanceolata, 5—7 cm longa 1.5—2.5 cm lata, apice acuminata, basi cuneata vel subcuneata, nervis lateralibus circa 14; petioli robusti, verruculosi, 7—12 mm longi. Inflorescentiae racemo-umbelliformes circ. 3—5-floriferae; pedicelli graciles, puberulenti, 1.5 cm longi, calyx patelliformis, minute pubescens, lobis obsolete; corolla alba, late campanulata, 3 cm longa, 5 cm diam., lobis 5, ovoideis, stamina 10, inclusa, filamentis 0.9—2 cm longis, prope basin manifeste inflatis, dilute luteis puberulentis; ovarium cylindricum, dense pulvereo-puberulum, stylo glabro, circ. 2.5 cm longo. Capsula cylindracea curvata, 1.5—2 cm longa, maturitate subglabra,

**Guangxi**(广西): Ziyuan Xian(资源县), Tangjia Shan(唐家山) arbor, 5 m alta, 21 Mai. 1936, Z. S. Chung(钟济新) 81677 (Typus, Ks); Chuan Xian(全县), Baoding(宝顶), in silvis, flores albi, 20 Maj. 1936, Z. S. Chung 81667; Guanyang Xian(灌阳县), Mt. Dupang(都庞岭), 1700 m s.

\* Ks = Conserved in the Herbarium of Guangxi Institute of Botany

m., 2 Oct. 1958, Z. C. Chen (陈照宙) 52468; sine loco, R. F. Chao (赵瑞峰) 604368.

### 3. 防城杜鹃 新种 图 3

(无鳞杜鹃亚属, 无鳞杜鹃组)

直立大灌木, 高 5 米; 小枝被红褐色绒毛, 与华南杜鹃 *Rh. simiarum* Hance 近缘, 但不同处为叶呈长或狭披针形, 花序有花 10 朵, 花丝下半部和花柱下部 1/3 被微柔毛。

*Rhododendron fangchengense* Tam, sp. nov. fig. 3

(Sect. *Hymenanthes*)

Prope *Rh. Simiaro* Hance sed foliis elongate vel anguste lanceolatis, floribus 10 in quaque inflorescentia, filamentis diminidio puberulis, stylo tertio parte inferne dense pubescente differt.

Frutex erectus, 5 m altus, trunco 4 cm diam., ramuli annotini ferrugineo-tomentosi. Folia rigide coriacea, elongato-vel angusto-lanceolata, 9—15 cm longa, 1.5—3 cm lata, apice obtusa, basi attenuata decurrentia, supra glaucescentia, subtus dense tomentosa fulvescentia, nervis lateralibus pluribus; petioli robusti mox glaberrimi vel rucosi, 2—3.5 cm longi. Inflorescentia brevi-racemoso-umbelliformis, 10-flora; pedicelli crassi erecti dense fulvo-tomentosi; calyx undulato-cupularis; corolla infundibuliformi-campanulata roseo-alba, 4.5 cm longa, 5.5 cm diam., lobis 5, rotundatis; stamina 10 inaequalia, filamentis eis demidis prope basin puberulis; stylo 3.5 cm longo, 1/3 inferiore dense pubescente; ovario oblongo dense fulvo-tomentoso. Capsula immatura oblonga, 9—10 mm longa, 6—7 mm lata, tomentosa.

Guangxi (广西): Fangcheng Xian (防城县), Shiwandashan (十万大山), in silvis densis vallium, 309—610 m s. m. dispersis; 31 Mar. 1944, S. H. Chun (陈少卿) 4849 (Typus, S\*), 4732; ibid. 1,000 m s. m. Hopu Exp. (合浦采集队) 2486; Shangsi Xian (上思县), W. T. Tsang (曾怀德) 24246; ibid. 1,400 m s. m. C. C. Chang (张肇箴) 12304, 13276.

### 4. 南边杜鹃 新种 图 4

(映山红亚属, 映山红组)

直立灌木; 小枝细长, 多分枝, 密被铁锈色糙伏毛, 后渐无毛, 露出小疣状突起; 全株外形似海南杜鹃 *Rh. hainanensis* Merr. 但叶表面有光泽, 干时紫褐色, 背面干时红褐色, 花序有花 5—6 朵, 花萼环形, 雄蕊 5, 比花柱长。

*Rhododendron meridionalis* Tam, sp. nov. fig. 4

(Subgen. *Anthodendron*, Sect. *Anthodendron*)

*Rh. chrysoclyx* auct. non Lévl.: Fang in Contr. Biol. Sci. China 12:7. 1939, quoad specimen citatum R. C. Ching 8083 e Guangxi.

\* Conserved in Herbarium of South China Institute of Botany, Academia Sinica

*Rh. hainanensi* Merr., primo aspectu maxime simile, sed foliis supra nitidis in sicco purpureo-fuscis subtus siccitate rubro-brunneis, inflorescentiis 5—6-floris, calyce annulare, staminibus 5, stylo longioribus.

Frutex erectus, 2—3 m altus, ramulis gracilibus, ramosis dense ferrugineo-strigosis gradatim glabrescentibus et verruculosus. Folia chartacea, dimorpha; vernalia lanceolata, 5—7.5 cm longa 1—1.2 cm lata, utroque acuta, supra nitida, in sicco purpureo-brunnea, subtus sparse strigosa, in sicco rubro-brunnea; nervis lateralibus 10—12 supra paullo impressis subtus prominentibus; petioli breves, 3—5 mm longi, dense fusco strigosi; folia aestivalia vix petiolata, linearia vel anguste lanceolata, 1.3—2.3 cm longa, 4—5 mm lata, apice acuminata, basi anguste decurrentia, nervis lateralibus subtus tantum visibilibus. Umbella terminalis, 5—6—flora; pedicelli 1.3—1.5 cm longi (ut calyces) dense ferrugineo-strigosi; calyx annulatus; corolla purpurea vel lilacina late infundibuliformis, tubo 1.3 cm longo, 5—6 mm lato, lobis 5, lanceolatis, 2 cm longis, circa 0.9 cm latis; stamina 5, corollam valde superantia, filamentis gracilibus 4.3—5 cm longis, infra medium parce puberulibus; stylus 3.5 cm longus staminibus brevior; stigmatibus capitatis; ovarium dense ferrugineo-strigosum. Capsula ovoidea 0.8—1 cm longa, cinereo-brunnea strigosa.

**Guangxi (广西):** Fangcheng Xian (防城县), Nasuo (那梭), in valle rivuli, in silvis densis, frut. erectus, fl. purpur., 5 Apr. 1956, Hopu-Exp. (合浦采集队) 2320 (**Typus**, S); ibid. S. H. Chun 3845, 3907; Shiwandashan, R. C. Ching (秦仁昌) 8063, 8088; W. T. Tsang 21949 (Ks), 21974, 22010, 24180, 22186, 24470 24778; H. Y. Liang (梁向日) 69929; S. H. Chun 4809, 4544; C. C. Chang 12419; Shangsi Xian, C. C. Chang 13184; Damiaoshan, S. H. Chun 8785.

a) 糙柱杜鹃 新变种

与南边杜鹃 *Rh. meridionalis* Tam var. *meridionalis* 不同处在于花柱基部或下部1/4处被糙伏毛。

var. **setistylum** Tam, var. nov.

Varietas stylo prope basin vel inferne 1/4 fusco setoso-strigoso distinguendum.

**Guangxi (广西):** Fangcheng Xian (防城县), Shiwandashan, 500—630 m s. m., in rivulo valli, fl. pallide purpur., 27 Mar. 1944, S. H. Chun 4811 (**Typus**, S); ibid. 450 m s. m., 19 Jul. 1933, C. L. Tsoi (左景烈) 23452.

b) 小南边杜鹃 新变种

叶狭线形, 侧脉在背面隐失, 边缘明显外卷; 其它性状似南边杜鹃。

var. **minor** Tam, var. nov.

Varietas foliis anguste linearibus, subtus nervis lateralibus obsolentibus, margine valide revolutis distinguendum.

**Guangxi (广西):** Sine loco, 18 Jun. 1928, R. C. Ching 6142 (**Typus**, S).

## 5. 垂钩杜鹃 新种 图 5

(映山红亚属, 映山红组)

灌木; 小枝假轮生, 初时密被铁锈色糙伏毛, 渐近无毛和粗糙, 与南边杜鹃 *Rh. meridionalis* Tam 有近缘关系, 但春发叶卵形或椭圆状卵形, 较小, 花序多花, 花丝无毛, 花药基部有 1—3 枚钩状、悬垂的附属物。

*Rhododendron unciferum* Tam, sp. nov. fig. 5

(Sect. *Anthodendron*)

Affine *Rh. meridionali* Tam recedit foliis vernalibus ovatis vel elliptico-ovatis, minoribus, inflorescentiis plurioribus(8—12-floris), filamentis glabris, antheris basi 1—3-unciformi-appendicibus pendentibus.

Frutex; ramulis subverticillatis initio dense ferrugineis strigosis, gradatim subglabris et scabris; foliis coriaceis, dimorphicis; vernalibus ovatis vel elliptico-ovatis, 2.5—3.2 cm longis, 1.3—1.7 cm latis, apice acutiusculis, basi lato-cuneatis vel subrotundatis, subtus dilute viridibus strigosis adpressis ferrugineis, nervis lateralibus circa 4-jugatis; petioli circa 3—4 mm longi; (foliis) aestivalibus minoribus, ovatis usque ovalibus, 10—13 mm longis, 7—8 mm latis, apice et basi subrotundatis, nervis lateralibus saepe obsoletis; petioli brevissimi vel subsessiles. Umbella 8—12-flora; pedicelli 2—3 mm longi, dense ferrugineo-strigosi; calyce parvo, 2.5 mm lato, lobis 5, late oblongis vel oblongo-triangularibus, dense strigosis obtectis; corolla infundibuliformis, 1.2 cm longa, glabra; stamina 10, 1.3—1.6 cm longa, filamentis glabris, antheris 1.5—2.4 mm longis, basi 1—3-unciformi-appendicibus pendentibus; ovario ovoideo, 3 mm longo, stylo 1.3—1.4 cm longo glabro. Fructus ignotus.

**Guangxi** (广西): Heng Xian (横县), Maan Shan (马鞍山) 740 m s. m., in aprico, saxis summi, flos dilute purpureus, 28 Apr. 1957, Z. C. Chen (陈照宙) 50300 (Typus, S).

## 6. 长镰杜鹃 新种 图 6

(映山红组)

直立灌木, 高 1 米; 小枝稀疏, 密被铁锈色糙伏毛, 与南边杜鹃 *Rh. meridionalis* Tam 近似, 不同处为: 枝疏, 不扭曲; 叶纸质, 春发叶长圆状披针形, 顶端长而渐尖, 常呈假镰状尾尖, 背面被毛较密, 侧脉稀少, 在表面隐约可见, 花萼裂片细圆齿形, 花冠阔漏斗状钟形, 裂片倒卵状长圆形, 非披针形, 雄蕊和花柱均较短。

*Rhododendron longifalcatum* Tam, sp. nov. fig. 6

(Sect. *Anthodendron*)

Proximum *Rh. meridionali* Tam, a quo differt ramulis laxis et non tortuosis, foliis tenuiter papyraceis, vernalibus oblongo-lanceolatis, apice elongate acuminatis, semper subfalcatocaudatis, subtus tomentosius densioribus, nervis lateralibus paucioribus, supra plus minusve evidentibus et evanescentibus

justa marginem, calycum lobis crenulatis, corolla late infundibuliformi-campanulata, lobis obovato-oblongis non lanceolatis, staminibus et stylo brevioribus facile distinctum.

Frutex erectus, 1 m altus; ramulis laxis, fuscis, dense ferrugineo-strigosis. Folia tenuiter papyracea, dimorphica: vernalia oblongo-lanceolata, 7—8.5 cm longa, 1.5—2 cm lata, apice elongate acuminata, saepe subfalcato-cuspidata, basi attenuata, generatim plus minusve decurrentia, utrinque strigulosa, subtus pilis densissimis, nervis lateralibus circa 3—4, supra tantum leviter distincti, subtus paullo manifestis; petioli 5—7 mm longi, strigosi dense ferruginei; (folia) aestivalia lanceolata, 3—3.5 cm longa, 8—9 cm lata; petioli 3—5 mm longi. Umbellae 5-florae; pedicelli 6 mm longi, dense strigosi; calyce 3 mm lato, dense strigoso, 5-lobato, lobis crenulatis, corolla late infundibuliformi-campanulata, saturate azurea (e coll.), lobis 5, obovato-oblongis, 1.5—1.8 cm longis, emaculatis, stamina 10, 2.2—2.8 cm longa, filamentis 2—2.5 cm longis, infra usque supra basin dense puberulis, ovario strigoso dense ferrugineo-sericeoque, stylo 2.5 cm longo, corollam leviter superante et staminibus brevioribus pro parte, stigmate appresso-capitato, 5-lobo. Fructus non visus.

**Guangxi** (广西): Shangsi xian (上思县), Shiwandashan, 200 m s. m. ripa, dumeto, 8 Mar. 1944, S. H. Chun 4664 (Typus, S).



图1 岩谷杜鹃

*Rhododendron rupivalleculatum* Tam



图2 资源杜鹃

*Rhododendron ziyuanense* Tam

1.花枝; 2.雄蕊; 3.雌蕊。(黄少容绘)



图3·防城杜鹃  
*Rhododendron fangchengense* Tam



图4 南边杜鹃  
*Rhododendron meridionalis* Tam

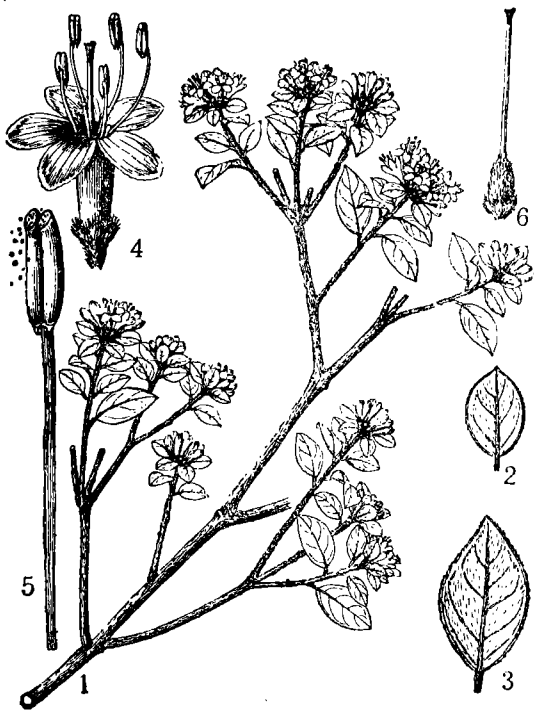


图5 垂钩杜鹃  
*Rhododendron unciferum* Tam  
1.花枝; 2.夏发叶; 3.春发叶; 4.花; 5.雄蕊;  
6.雌蕊。(黄少容绘)



图6 长镰杜鹃  
*Rhododendron longifalcatum* Tam  
(吴栋成绘)

STUDIES ON RHODODENDRONS FROM  
GUANGXI ( I )

Tam Pui-cheung

( South China Institute of Botany, Academia Sinica )

**Abstract**

Six new species and two varieties from Guangxi are described in the present paper, namely:

*Rhododendron rupivalleculatum* Tam

*Rh. ziyuanense* Tam

*Rh. fangchengense* Tam

*Rh. meridionalis* Tam

var. *setistylum* Tam

var. *minor* Tam

*Rh. unciferum* Tam

*Rh. longifalcatum* Tam