

# 金沙江流域的红山茶新种

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## 摘 要

本文报道了中国金沙江流域的山茶属16个红山茶新种。

**关键词** 山茶属,金沙江红山茶,绵管红山茶,白丝毛红山茶,短蕊红山茶,短柄红山茶,陈氏红山茶,会理红山茶,小叶红山茶,寡瓣红山茶,五瓣红山茶,五列木红山茶,假五列木红山茶,斑枝红山茶,离瓣红山茶,薄壳红山茶,西昌红山茶

金沙江流经横断山脉北坡,穿过滇西北的高山峡谷,蜿蜒东行,至渡口(攀枝花市)与雅砻江会合并折向北流入长江。在金沙江沿岸,从1200~3600m的高山,随处保存着成片的红山茶林,形成以山茶占优势的群落。作者曾于1983年12月至1985年1月,先后3次从西昌经德昌、米易、会理、会东、渡口至盐边等地进行调查,采得350号红山茶标本。本文报导了新种16个,反映出金沙江流域可能是红山茶的发源地,建议成立保护区,作为生产和科学研究的基地。

## 1 金沙江红山茶 新种

*Camellia jinshajiangica* Chang et S.L. Lee, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Villosae*

A *C. omeiensis* Chang differt ramulis pilosis, pilis griseo-flavis, floribus minoribus, petalis paucioribus, ovariiis 4-5-locularibus.

Frutex 2m altus, ramulis pilosis, glabrescentibus, gemmis pilosis. Folia coriacea elliptica vel ovato-elliptica 9-12 cm longa 4.5-6.3 cm lata, apice abrupte acuta, basi obtusa vel subrotundata, praeter late cuneata, supra in sicco atro-viridia nitidula, subtus brunneo-viridia pilosa vel glabrescentia, nervis lateralibus 6-8-jugis ut venulis reticulatis supra inconspicuis subtus elevatis, margine dense serrulata, petiolis 6-8mm longis plus minusve pilosis. Flores rubri ad apicem ramulorum axillares subsessiles, perulis 10 late ovatis maximis 1.5-2 cm longis coriaceis extus griseo-flavo-pilosis; petalis 6 late obovatis 3.5-4 cm longis, extimis 2-3 utrinque plus minusve sericeis, basi connatis; staminibus 2-2.5 cm longis, tubo filamentorum 1 cm longo ut filamentis liberis pubescenti; ovariiis 4-5-locularibus villosis, stylis 3 cm longis glabris, apice 4-5-fidis, lobis 5-6 mm longis. Capsula non visa.

Sichuan: Dukou, Xiaobaoding, alt. 1650 m, in thicket, Jan. 17, 1984, H. T.,

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*Chang* 20125 (Typus, SYS), 20129.

## 2 绵管红山茶 新种

*Camellia lanosituba* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Villosae*

A speciebus Ser. *Villosi* differt floribus majoribus, tubis filamentorum longioribus dense albo-lanosis.

Frutex cite. 2 m altus. ramulis glabris, gemmis pilosis. Folia coriacea oblonga 7-9 cm longis, 3-4 cm lata, apice acuminata, basi late cuneata, supra in sicco flavo-viridia nitida, subtus nitidula atro-punctata, nervis lateralibus utrinsecus circ. 7 ut venulis reticulatis supra leviter impressis subtus elevatis, margine densius serrata, petiolis 1-1.3 cm longis glabris. Flores rubelli solitarii terminales sessiles, 7 cm in diametro, perulis 9-10 intimis late obovatis 2 cm longis 2.5 cm latis, extus brunneo-puberulis; petalis 8-9 obovatis 4-5 cm longis, basi connatis, tubo 1 cm longo, extimis 2-3 griseo-pubescentibus; staminibus 3 cm longis, tubo filamentorum 1.5 cm longis densius lanosis, filamentis liberis 1 cm longis, glabris lanosis; ovarii 3-locularibus villosis, stylis 2-2.5 cm longis glabris; apice 3-fidis. Capsula ignota.

Sichuan: Yanbien, Wua Ie Xiang, alt. 3100 m, Feb. 13; 1984; Z. Y. Zuo s. n. *SYS herb. no. 155955* (Typus).

## 3 白丝毛红山茶 新种

*Camellia albo-sericea* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

A *C. brevicolumna* Chang et Xiang differt foliis angustioribus, floribus majoribus, petalis paucioribus, sepalis petalisque albo-sericeis, ovarii 3-locularibus.

Frutex 2 m altus, ramulis pubescentibus demum glabrescentibus, gemmis albo-pubescentibus. Folia coriacea oblonga vel lanceolata 7.5-10 cm longa 3-4 cm lata, apice abrupte acuta, acumene obtuso, basi cuneata vel obtusa, supra in sicco nitidula, subtus flavo-vitidia, juventute pilosa glabrescentia, nervis lateralibus 7-8-jugis supra inconspicuis subtus visibilibus, venulis reticulatis inconspicuis, margine serrulata, petiolis 5-6 mm longis pilosis. Flores rubri terminales sessiles, perulis 8-9 maximis 1.7 cm longis albo-sericeis; petalis 6-7 obovatis 3-3.5 cm longis, basi connatis, extus albo-sericeis; staminibus 2 cm longis, tubo filamentorum 1 cm longo glabro; ovarii 3-locularibus, villosis, stylis 1.5-2 cm longis, apice 3-fidis. Capsula ignota.

Sichuan: Dukou (Panzhihua), Xiaobaoding, alt. 1550 m, Jan. 16, 1984, H. T. Chang 20131 (Typus, SYS), 20121, 20123, 20124, 20126, 20132, 20133, 20134, 20135, 20136, 20137, 20138, 20139, 20140.

## 4 短蕊红山茶 新种

*Camellia brevignyana* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

Species foliis oblongo-lanceolatis apice caudatis, nervis lateralibus pluribus utrinsecus 8-10, tubo filamentorum sparse puberulo; stylis brevibus 1.5cm longis distincta.

Frutex 2.5 altus, ramulis glabris, gemmis pubescentibus. Folia coriacea oblonga vel oblongo-lanceolata, 10-14 cm longa 3-5 cm lata, apice caudata caudis 1.5-3 cm longis, basi cuneata, supra atro-viridia nitidula, subtus luteo-viridia sparse pilosa, nervis lateralibus utrinsecus 8-10, in sicco supra impressis, subtus ut venulis reticulatis inconspicuis, margine acriter serrata, petiolis 1-1.2 cm longis. Flores rubri singulares subterminales sessiles; perulis 8 tenue coriaceis maximis 1.8 cm longis extus pubescentibus vel exterioribus 3-4 glabris; petalis 7-8 obovatis, 3-3.5 cm longis, basi connatis, tubo 3-5 mm longo, glabris; staminibus 2-2.5 cm longis, tubo filamentorum 1-1.3 cm longo sparse piloso, filamentis liberis glabris circ. 1-1.2 cm longis; ovariis 3-locularibus villosis, stylis 1.5 cm longis apice 3-lobatis. Capsulae subgloboasae, in sicco 4-5 cm in diametro 3-5-valvato-dehiscentes, valvis 1-1.5 cm crassis.

Sichuan: Yan-bien County Hujia Wan, 1984, Jan. 20, *Chang H. T.* 20209 (Typus, STS), 20207; 1. c. Dabi Cun, *Chang H. T.* 20212, 20227, 20234; L..C. Qiang-Xen Cun, *Chang H. T.* 20164, 20152.

## 5 短柄红山茶 新种

***Camellia brevipetiolata*** Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

A *C. minori*, Chang foliis ovato-ellipticis, basi rotundatis, 4-5 cm latis, perulis paucioribus, petalis pluribus, capsula minori, pericarpio tenui differt; a *C. chunii* Chang ovariis 3-locularibus, pericarpio tenui recedit.

Frutex, ramulis primo puberulis glabrescentibus. Folia ovato-elliptica 6-9.5 cm longa, 3-5cm lata, apice subacuta, basi rotundata, supra in sicco atro-viridia nitidula, subtus luteo-viridia nitida glabra, nervis lateralibus utrinsecus 6-7 utrinque conspicuis, margine crenulata, petiolis 3-5 mm longis. Flores axillares sessiles 5-6 cm diam, perulis 8 interioribus pilosis 1-1.4 cm longis; petalis rubris 6-7 late obovatis 3-4 cm longis, basi leviter connatis, staminibus petalis brevioribus 2.5 cm longis glabris; ovariis pilosis 3-locularibus, stylis 2.3 cm longis, inclusis, apice 3-lobatis, lobis 8 mm longis. Capsula subglobosa, 2 cm in diam. 3-valvato-dehiscens, valvis 2-3 mm crassis.

Sichuan: Yanbien, Tuanjie Xiang, Huangjia Cun, Jan. 21, 1984, *Chang H. T.* 20260 (Typus, SYS).

## 6 陈氏红山茶 新种

***Camellia Chunii*** Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*.

A *C. pentaphylacoide* Chang foliis basi rotundatis, petiolis brevioribus, perulis pluribus, ovariis 4-5-locularibus differt; a *C. pentaphylaci* Chang foliis basi rotundatis, petiolis brevioribus, perulis pluribus, petalis paucioribus recedit,

Arbor parva, ramulis primo puberulis glabrescentibus. Foliis coriacea ovata, 7-9 cm longa, 3-4 cm lata, supra atro-viridia nitidula, subtus brunnea sparse villosa, apice acuta, basi rotundata, nervis lateralibus utrinsecus 5-6 supra visibilibus subtus prominentibus, venulis inconspicuis, margine serrulata, petiolis circ. 5 mm longis pubescentibus. Flores rubri, perulis 10-12 coriaceis, interioribus 1.5 cm longis extus sparse pilosis; petalis 7 obovatis 3-3.5 cm longis, basi connatis; staminibus 2 cm longis glabris; ovariis pilosis, 4-5-locularibus, stylis 1.5-2 cm longis apice 4-5-fidis. Capsula globosa 4-5 cm diam, 4-5-valvato-dehiscens, valvis circ. 1 cm crassis.

Sichuan: Yan-bian, Jinshajiang valley, Hujiawan, alt. 1650 m, Jan. 20, 1984, H.T.Chang 20203 (Typus, SYS).

## 7 会理红山茶 新种

*Camellia huiliensis* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

Frutex 1-2 m altus, ramulis pubescentibus glabrescentibus. Folia coriacea lanceolata 7-10 cm longae, 2-2.5(-3) cm lata, apice acuminata, basi cuneata, supra in sicco viridia nitida, subtus luteo-viridia glabra, vel ad costam sparse pubescentia, nervis lateralibus utrinsecus 5-6 supra impressis, subtus visibilibus, venulis reticulatis utrinque inconspicuis, margine serrulata, petiolis 5-8 mm longis glabris. Flores rosei, sessiles subterminales 5-8 cm in diametro, perulis 8-10, exterioribus 3-4 parvis 2-5 mm longis glabris, interioribus 5-6 late obovatis 1-1.3 cm longis pilosis; petalis 6 obcordatis 3-5 cm longis, exteriores 2-3 griseo-pubescentibus; staminibus circ. 2 cm longis, tubo filamentoeum 8 mm longo, filamentis liberis 1-1.2 mm longis; glabris; ovariis 3-locularibus pilosis, stylis 1-1.2 cm longis, apice 3-fidis. Capsula globosa 2-2.6 cm in diametro, 3-valvato-dehiscens, valvis 4 mm crassis.

A *C. minori* Chang foliis anguste lanceolatis, apice acuminatis, petalis pluribus 5 cm longis differt.

Sichuan: Jinshajiang Valley, Huili County, Fenghe, alt. 620 m, H.T.Chang 20064 (Typus, SYS), 20044, 20048, 20050, 20055, 20056, 20057, 20058, 20059, 20066.

## 8 小叶红山茶 新种

*Camellia minor* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

A *C. pitardii* Coh.-St. differt foliis minoribus, apice obtusis, petalis paucioribus, capsula minore, pericarpio crassiore; a *C. rubro-anthera* Chang foliis angustioribus, sepalis et petalis pubescentibus, capsula minore recedit.

Frutex 1-1.5 m altus, ramulis primo pubescentibus mox glabrescentibus; gemmis flavo-brunneo-sericeis. Folia coriacea oblonga 5-7.5 cm longa, 2-2.7 cm lata, apice subacuta, basi cuneata, supra in sicco viridia nitidula, subtus primo sparse pilosa glabrescentia, nervis lateralibus utrinsecus 5-6 ut venulis reticulatis utrinque conspicuis, margine serrulata, petiolis 4-5 mm longis pubescentibus.

Flores terminales subsessiles rubri 3-4 cm in diametro; perulis 9-10 intimis 1,2 cm longis, depresso sericeis; petalis 5 obovatis, 2-2,5 cm longis, basi leviter connatis, extus pilosis; staminibus 1,5-2 cm longis, tubo filamentorum 6-7 mm longo glabro; ovariis 3-4-locularibus villosis, stylis 1-1,3 cm longis. Capsula globosa 2-3 cm in diametro, 3-4-valvato-dehiscens, valvis 4-5 mm crassis, seminibus 1-2 in quoque loculo.

Sichuan: Yanbien County, Z. Y. He et X. Chuang 21; Huili County, Zhaojiashan, *H.T.Chang* 20045 (Typus SYS) 20043, 20176, 20177, 20180, 20181, 20182, 20184, 20185; Yanbien County, Chingganbao, *H.T.Chang* 20149, 20150.

## 9 寡脉红山茶 新种

*Camellia oligophlebia* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

A *C. xichangensi* Chang differt foliis lanceolatis, nervis lateralibus paucioribus ut venulis reticulatis supra inconspicuis, capsula minore, pericarpio lignoso.

Frutex 1-1,5 m altus, ramulis glabris depresso pilosis. Folia coriacea lanceolata vel anguste oblona 7-10 cm longa 2,8-3,5 cm lata, apice acuminata basi cuneata, supra nitidula subtus flavo-viridia glabra, nervis lateralibus utrinsecus 5 ut venulis reticulatis utrinque inconspicuis, margine serrulata, petiolis 1 cm longis. Flores terminales rubelli 6-8 cm in diametro, perulis 8-9 coriaceis obovatis maximis 1,7 cm longis extus flavo-griseo-sericeis; petalis 5-6 obovato-cordatis 3-4 cm longis exteriore 2-3 sparse puberulis, basi 7-9 mm connatis; staminibus 2,5-3 cm longis, tubo filamentorum 8 mm longo ut filamentis liberis glabro; ovariis 3-4-locularibus villosis, stylis 2 cm longis apice 3-fidis. Capsula globosa 3-4 cm in diametro, 3-4-valvato-dehiscens, valvis in sicco 5-7 mm crassis lignosis, seminibus 2-3 in quoque loculo.

Sichuan: Miyi County, Puwei forest plantation, Sharen ping, alt. 2500 m Jan. 22, 1984, *H.T.Chang* 20286 (Typus, SYS), 20282, 20292, 20297, 20298, 20299, 20300, 20307, 20308; Xichang County, Lojishan, alt. 2050 m, *H.T.Chang* 20018; Yanbien County, Hungqi forest plantation, alt. 2553 m, *H.T.Chang* 20141.

## 10 五瓣红山茶 新种

*Camellia pentapetala* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

Frutex, ramulis villosis, ramis glabrescentibus. Folia coriacea, oblona 7-9 (11) cm longa, 2-3 (-4) cm lata, apice obtusa vel subacuta, basi late cuneata vel subrotundata, supra in sicco atrobrunnea, glabra, subtus brunneo-viridia, primo villosa demum glabrescentia, nervis lateralibus utrinsecus 6-7 utrinque ut venulis reticulatis inconspicuis, margine serrulata, petiolis 6-8 mm longis. Flores rubri solitarii sessiles subterminales 4 cm in diametro, perulis 8-9 subglabri maximis 1-1,2 cm longis; petalis 5 obovatis 2,5-3 cm longis glabris; staminibus 1,3 cm longis, tubo filamentorum 6 mm longo, filamentis liberis 6-7 mm longis, glabris;

ovariis 3-locularibus pilosis, stylis 1 cm longis, apice 3-fidis. Capsula globosa 2-2.5 cm in diametro 3-valvato-dehiscens, valvis 8 mm crassis.

*A. C. minor* Chang foliis mejoribus, floribus et capsula majoribus, pericarpio 1 cm crasso differt.

Sichuan: Jinshanjiang Valley, Yanbian County, *H.T. Chang* 20192 (Typus, SYS), 20144, 20145, 20146, 20147, 20148, 20151, 20153, 20154, 20156, 20158, 20159, 20160, 20162, 20163, 20165, 20166, 20169, 20170, 20171, 20172, 20174, 20175, 20188, 20189, 20190, 20194, 20199, 20201, 20204, 20213, 20214, 20215, 20216, 20217, 20219, 20220, 20221, 20223, 20224, 20225, 20226, 20227, 20228, 20230, 20233, 20235, 20236, 20237, 20238, 20239, 20240, 20241, 20242, 20245, 20257, 20266, 20267, 20270, 20271, 20273, 20274, 20275.

## 11 五列木红山茶 新种

*Camellia pentaphylax* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

Arbor parva vel frutex, 2-3 m alta, ramulis glabris. Folia coriacea ovato-lanceolata, 7-10 cm longa 3-4 cm lata, apice caudato-acuminata, basi subrotundata vel obtusa inaequilaterialia, supra in sicco atro-viridia nitida, subtus luteo-viridia glabra, nervis lateralibus utrinsecus 5-6 supra leviter impressis, subtus ut venulis reticulatis prominentibus, margine serrata, petiolis 1 cm longis. Flores rubri subterminales sessiles 7-8 cm diam; perulis 8-10 late obovatis, exteriore glabris, interiore 1.2-1.6 cm longis luteo-brunneo pilosis; petalis 9-10 obcordatis 4-4.5 cm longis, basi connatis, tubo 1.5 cm longo, exteriore 2-3 sepaloideis pilosis, interiore 7-8 glabris; staminibus 2.5 cm longis, basi ad petalam adnatis, tubo filamentorum 3-4 mm longo, filamentis liberis 1.12 cm longis, glabris; stylis 1.5-2 cm longis, apice 4-5-fidis, ovariis 5-locularibus brunneo-pilosis. Capsula globosa 4-6 cm in diametro, 5-valvato-dehiscens, valvis 1 cm crassis, columna persistens robusta 1.6 cm longa.

Sichuan: Xichang County, Loji-Shan, alt. 2100 m, in ravine, *H. T. Chang* 20020, 20023 (Typus, SYS).

Species foliis ovato-lanceolatis, basi rotundatis inaequilateralibus, floribus majoribus, petalis 9-10, ovariis 5-locularibus, pericarpio 1 cm crasso distincta.

## 12 假五列木红山茶 新种

*Camellia pentaphylacoides* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

*A. C. pentaphylaci* Chang foliis brevioribus, petalis paucioribus circ. 6-7 ovariis 3-locularibus, capsula 3-valvato-dehiscens, valvis tenuibus differt.

Arbor parva, ramulis glabris. Folia coriacea ovato-lanceolata 6-8 cm longa, 2.5-3.2 cm lata, apice caudato-acuminata, basi subrotundata vel obtusa inaequilaterialia, supra in sicco luteo-viridia nitida, subtus luteo-viridia glabra, nervis lateralibus utrinsecus 4-5, ut venulis reticulatis utrinque inconspicuis; margine densius serrulata; petiolis 6-10 mm longis. Flores rosei, 1-2-flori subterminales sessiles 5 cm in diametro, perulis 7-8 coriaceis, exteriore 2-3 glabris, interiore

brunneo-pubescentibus, maximis 1.6 cm longis; petalis 6-7 obcordatis 2-3 cm longis, extimis 2-3 extus luteo-sericeis, ceteris glabris; staminibus 2-2.5 cm longis, basi ad petalum adnatis, tubo filamentorum 5-7 mm longo, filamentis liberis 8-10 mm longis, glabris; ovariis 3-locularibus pilosis, stylis 1.5 cm longis, apice 3-fidis. Capsula globosa 2.5-3.5 cm diam., 3-valvato-dehiscens, valvis 8 mm crassis.

Sichuan: Miyi County, Puwi, Lungshu Guo, alt. 2500 m, small tree in broad-leaf evergreen forest, Jan. 26, 1984, *H.T. Chang* 20284, 20285 (Typus, SYS), 20279, 20287, 20288, 20291, 20296.

### 13 斑枝红山茶 新种

*Camellia stichoclada* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

A *C. tenuivalvi* Chang foliis latioribus, ovatis, perulis subglabris, floribus albis, pericarpio crassiore differt.

Frutex vel arbor parva, ramulis glabris punctatis. Folia coriacea ovato-elliptica 4-6.5 cm longa 2.5-3.5 cm lata, apice abrupte acuta, basi inaequilateralia subrotundata, utrinque viridia nitida glabra, nervis lateralibus utrinsecus 5-6 conspicuis, margine acriter serrulata, petiolis 6-8 mm longis. Flores albi, perulis coriaceis 8-9, maximis 1.4 cm longis, interiore 4-5 extus pubescentibus; petalis 5-6 obcordatis, 2.5-3 cm longis, basi paulo connatis; staminibus circ. 2 cm longis, basi petala adnatis, tubo filamentorum 5-7 mm longo filamentis liberis glabris; ovariis villosis 3-locularibus, stylis 1.8 cm longis, apice 3-fidis. Capsulae compressae globosae 2.5-3.5 cm in diametro, 3-valvato-dehiscens, valvis 6-8 mm crassis; seminibus 1-2 in quoque loculo.

Sichuan: Xichang, Lojishan, alt. 2100 m, December 12, 1983, *Chang H.T.* 20029 (Typus, SYS).

### 14 离瓣红山茶 新种

*Camellia subliberopetala* Chang, sp. nov.

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*,

A *C. rubi-anthera* Chang foliis opacis, apice subobtusis, perulis brevioribus, petalis paucioribus, staminibus brevioribus differt.

Frutex 1-2 m altus, ramulis glabris vel juvenilibus puberulis. Folia elliptica 4-5 cm longa 2.5-3 cm lata, vel oblongo-elliptica 6.5-9 cm longa 3-4 cm lata, apice obtusa vel subacuta, basi lata cuneata, supra opaca griseo-viridia, subtus glabra, nervis lateralibus utrinsecus 4-5 utrinque visibilibus, margine serrulata; petiolis 5-6 mm longis. Flores rubri, subterminales sessiles, 4-5 cm diam., perulis 7-8 maximis 1.4 cm longis, extus glabris ciliatis; petalis 6, obcordatis 2-3.5 cm longis 5 cm latis, apice bilobatis, basi subliberis glabris; staminibus 1.5-1.8 cm longis, basi breviter connatis, tubis 4-5 mm longis; ovariis pilosis, stylis 1.3-1.5 cm longis apice 3-fidis. Capsula subglobosa 2.5-3 cm diam. 3-valvato-dehiscens, valvis 3-4 mm crassis, seminibus 1-2 in quoque loculo.

Sichuan: Jinshanjiang Valley, Huili-Dukao Border, alt. 2050 m 1984, Jan. 24,

*H.T. Chang* 30311 (Typus, SYS).

## 15 薄壳红山茶 新种

***Camellia tenuivalvis* Chang, sp. nov.**

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*.

A *C. minori* Chang ramulis glabris, foliis ovato-lanceolatis, apice acuminatis, floribus majoribus, petalis 7, 2.5-3 cm longis, tubo staminis brevioris, valvis fructibus tenuibus differt.

Frutex 1-2 m altus. ramulis glabris. Folia coriacea oblanceolata, 5-7 cm longa, 2-1.5 cm lata, apice acuta, basi late cuneata, supra in sicco atro-viridia nitida, subtus luteo-viridia glabra, nervis lateralibus utrinsecus 4-5 ut venulis reticulatis utrinque inconspicuis, margine serrulata; petiolis 5-7 mm longis. Flores rubri subterminales sessiles, 4-5 cm diam., perulis 8-9 coriaceis, interiore griseo-sericeis, 9-13 mm longis; petalis 7 late obovatis 2.5-3 cm longis subglabris; staminibus 1.5 cm longis, tubo filamentorum valde brevi, circ. 1-2 mm longo ut filamentis liberis glabris; ovarii 3-locularibus, pilosis; stylis 1 cm longis, apice 3-fidis. Capsula globosa 1.3-2.2 cm diam., 3-valvato-dehiscens, valvis 1-1.5 mm crassis lignosis, semen 1 in quoque loculo, columna 6-8 mm longa.

Sichuan: Jinshajiang Valley, Huili county, Lungzhoushan, alt 2460 m, Jan. 24, 1984, *H.T. Chang* 20301 (Typus, SYS) 20302.

## 16 西昌红山茶 新种

***Camellia xichangensis* Chang, sp. nov.**

Subgen. *Camellia*, Sect. *Camellia*, Subsect. *Reticulata*, Ser. *Reticulatae*

Species foliis oblongis, floribus majoribus albis vel rubellis, capsula 3-5-loculare, pericarpio suberoso distincta.

Frutex vel arbor parva, 2-3 m alta, ramulis glabris, gemmis pubescentibus. Folia coriacea oblanceolata 8-11.5 cm longa 2.5-4 cm lata, apice caudato-acuminata, basi cuneata, supra in sicco atro-viridia nitida, subtus flavo-viridia nitida glabra, nervis lateralibus utrinsecus 6-7, a costa sub angulo 30-35° abeuntibus supra visibilibus subtus elevatis, margine superiore 2/3 acriter serrata, petiolis 1-1.6 cm longis glabris. Flores albi vel interdum rubelli terminales solitarii sessiles, 6-9 cm in diametro, perulis 8-9 coriaceis maximis 1.5 cm longis extus depresso sericeis; petalis 8 late obovatis 3-5 cm longis 3.5-4 cm latis, basi connatis, apice emergentibus; staminibus 3 cm longis, tubo filamentorum 1 cm longo ut filamentis liberis glabris; ovarii 3-5-locularibus villosis, stylis 2-2.5 cm longis, spice 3-5-fidis. Capsula compressa globosa 4-6 cm diam., 3-5-valvato-dehiscens, valvis 1 cm crassis suberosis, seminibus 2 in quoque loculo.

Sichuan: Xichang, Lojisnay, in ravine by brook side, alt. 2050 m, clumpy shrub, fl. white or reddish, December 14, 1983, *H.T. Chang* 20024 (Typus, SYS) 20021, 20022, 20025, 20026, 20030, 20031, 20032.

## New Camellias from Jinshajiang Valley

*Chang Hung ta\**

### Abstract

Along the river side of Jinshajiang River, the upper reaches of Changjiang (Youngtze River), from 1200 to 3600 M on the mountain slopes is flourishing of Camellia forest, dominated by red camellias, Sect. *Camellia*. From the winter of 1983 to the early spring of 1985, the author had thrice visited there and more than 360 number of Camellia specimens were collected. On this paper 16 new species of red Camellia are recorded. It seems that the region of Jinshajiang Valley would be the centre and cradle of red Camellia.

**Keywords** *Camellia*, *C. jinshajiangica*, *C. lanosituba*, *C. albo-sericea*, *C. brevignyana*, *C. brevipetiolata*, *C. chunii*, *C. huiliensis*, *C. minor*, *C. oligophlebia*, *C. pentapetala*, *C. pentaphylax*, *C. pentaphylacoides*, *C. stictoclada*, *C. subliberipetala*, *C. tenuivalvis*, *C. xichangensis*

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