

广东竹类一些新植物

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摘要 作者在研究竹亚科中,发现有八种新植物,均分布于广东地区,现给予报道。

关键词 箬竹属;单竹属;麻竹属;篔簹竹属;青篱竹属;箬竹属;新分类群

皱耳石竹 新种 图 1 *Bambusa crispaurita*

W. T. Lin et Z. M. Wu, sp. nov.

Species affinis *B. astraculata* Chia et H. L. Fung, sed internodiis culmorum plus minusve fusco-hispidis, non fusco-virentiter striatis, cicatricibus vaginarum culmorum plus minusve fusco-hispidis, ramis saepe e primo vel secundo nodo culmi initio orientibus, auriculis vaginarum leviter inaequilongis anguste oblongis, margine crispis differt.

Culmi usque 8 m alti, 2~6 cm diam.; internodiis 15~25cm longis teretibus vel supra ramos leviter planis sparse plus minusve fuscis hispidis; ligno culmorum valde crasso; infra et intra nodos basin culmi versus pallide sericeis; cicatricibus vaginarum plus minusve fusco-hispidis; ramis saepe e primo vel secundo nodo culmi initio orientibus, basalibus 1, superioribus 3-pluribus, primariis quam ceteris crassioribus et longioribus. Vaginae culmi deciduae, apice impariter truncatae, margine ciliatae, dorso sparse fusco-hispidae, basi in medio dense fusco-hispidae; auriculis leviter inaequilongis anguste oblongis, margine crispis; setis oralibus paucis; ligulis in medio 4~5 mm longis, margine

denticulatis; laminis erectis ovato-lanceolatis, basi latitudine circa $4/9 \sim 5/9$ apicis vaginae partes aequantibus intus inter nervos fusco-hispidis. Folia 7~9 in quoque ramulo; vaginis foliorum glabris vel dorso sparse albo-puberulis; ligulis 0.5 mm longis; auriculis oblongis patentibus; setis oralibus paucis; laminis 8~17 cm longis, 8~18 mm latis, supra glabris, subtus dense albo-puberulis; nervis secundariis 6~7.

Guangdong; Guangning, Nanjie, 14 IX 1990, Zhimin Wu 88026 (Type, SCAC).

本种近似信宜石竹 *B. subtruncata* Chia et H. L. Fung, 区别在秆的节间有或多或少深褐色的粗硬毛,无绿黄色的纵条纹,箨环有或多或少深棕色的粗硬毛,枝条常自秆的第一或第二节开始发出,箨耳窄长圆形,略不等长,边缘皱波状。

广东:广宁,南街,1990年9月14日,吴志敏 88026 (模式, SCAC)。产于低海拔的

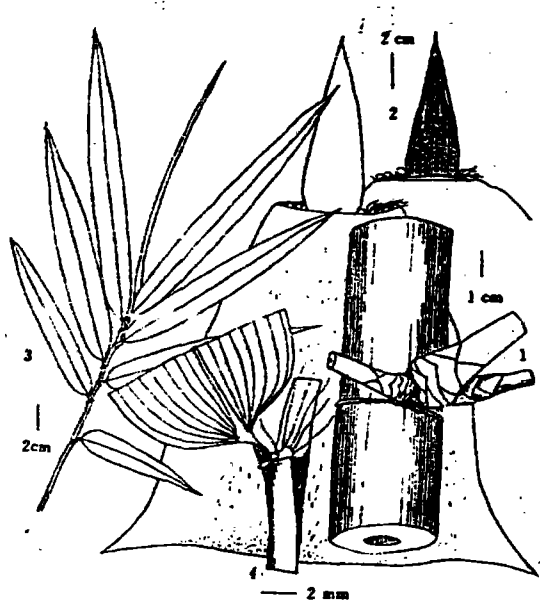


图 1 皱耳石竹 *Bambusa crispaurita*

W. T. Lin et Z. M. Wu, sp. nov.

1. 秆的一部份; 2. 秆箨;
3. 枝叶; 4. 叶的一部份。

山坡。

横脉甲竹 新种 图2

Lingnania transvenula W. T. Lin et Z. J. Feng, sp. nov.

Species affinis *L. fimbriatilata* McClure, sed internodiis culmi sparse albo-puberulis, haud striato-pubescentibus, laminis vaginarum basi latitudine circa 1/4 apicis vaginae partes aequantibus, laminis foliorum venulis transversis utrinque manifestis differt.

Rhizoma sympodialis. Culmi ad 10 m alti, 5~6 cm diam.; ligno modice crasso; internodiis 45~50 cm longis, initio sparse albo-puberulis; infra nodos sparsis brunneo-hispidulis; nodis haud prominentibus; cicatricibus vaginarum leviter prominentibus glabris. Vaginae culmi deciduae, apice truncatae, dorso albo-puberulis, basi plus minusve brunneo-hispidis; ligulis 1.5~2 mm longis, margine denticulatis et fimbriatis; auriculis angustis, autem utroque latis factis; setis oralibus suberectis; laminis lanceolatis reflexis, basi latitudine circa 1/4 apicis vaginae partes aequantibus. Rami fasciculati, primarii crassiusculi. Folia in quoque ramulo 4; vaginis glabris; auriculis oblongis vel non evolutis; setis oralibus paucis; ligulis 0.5 mm longis, apice truncatis, margine denticulatis et fimbriatis; laminis 6.5~25 cm longis 1.5~3 cm latis, utrinque glabris; nervis secundariis utrinque 6~10, venulis transversis utrinque manifestis et remotis.

Guangdong; Xinyi, Dawuling, 13 VIII 1988, Zhijian Feng 36804 (Type, SCAC).

本种近似甲竹 *L. fimbriatilata* McClure, 区别在秆的节间散生有白色的微柔毛, 决不是排成纵行的短柔毛, 叶基部的宽度约为箨鞘顶部的 1/4, 叶片两面有明显的小横脉。

广东: 信宜, 大雾岭, 1988年8月13日, 冯志坚 36804 (模式, SCAC)。

凹箨绿竹 新种 图3

Sinocalamus concavus W. T. Lin et Z. M. Wu, sp. nov.

Species affinis *S. oldhami* (Munro) McClure, sed vagina culmorum, apice concavis, dorso modo basi in medio dense fusco-luteis aciculis vestitis, auriculis vaginarum falcatis plus minusve exsertis, ligulis vaginarum 3 mm longis, margine denticulatis, ramis primariis quam ceteris crassioribus differt.

Culmi usque 10 m alti, 3~7 cm diam. initio farinosi; internodiis teretibus 25~32 cm longis; ramis 3~13 saepe e octo nodo culmi initio orientibus, primariis conspicue crassis. Vaginae culmi deciduae, apice concavae, margine sparse ciliatae, dorso glabrae vel modo basi in medio dense fusco-luteae aciculae vestitae; ligulis 3 mm longis, margine denticulatis; auriculis falcatis plus minusve exsertis; setis oralibus tenuibus vel crispis; laminis erectis triangulatis vel longe triangulatis, basi in rotundam formam contractis. Folia 10~12 in quoque ramulo; vaginae foliorum glabris; ligulis 0.5 mm longis, apice leviter convexis; auriculis semirobundatis; setis oralibus tenuibus; laminis 15~35 cm

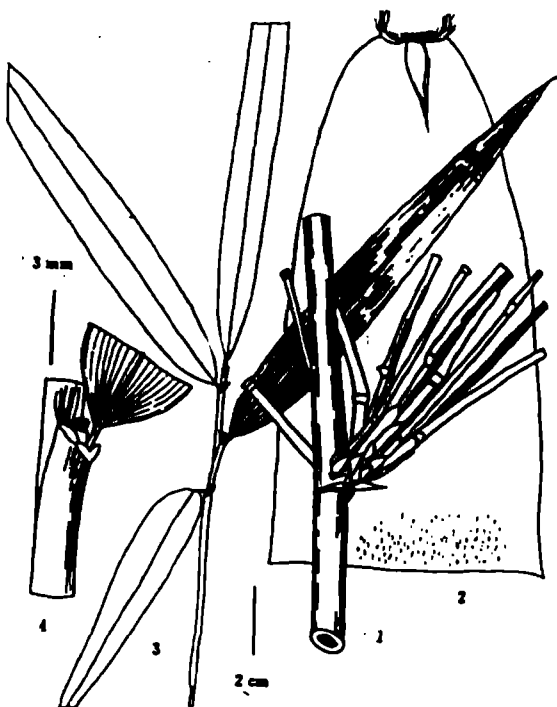


图2 横脉甲竹 *Lingnania transvenula* W. T.

Lin et Z. J. Feng, sp. nov.

1. 秆的一部份; 2. 秆箨;
3. 枝叶; 4. 叶的一部份。

longis, 2~4 cm latis, supra glabris, subtus albo-puberulis; nervis secundariis utrinque 8~12, venulis transversis utrinque manifestis.

Guangdong; Guangning, Wube, 15 K 1990, Zhimin Wu 88031 (Type, SCAC).

本种近似绿竹 *S. oldhani* (Munro) McClure, 区别在杆的箨鞘顶端内凹, 背面仅于基部当中密生褐黄色刺毛, 箨耳镰形, 或多或少向外伸出, 箨舌长 3 mm, 边缘有小齿, 主枝比其余侧枝较粗。

广东: 广宁, 五和, 1990 年 9 月 15 日, 吴志敏 88031 (模式, SCAC). 生于河边, 竹笋可食。

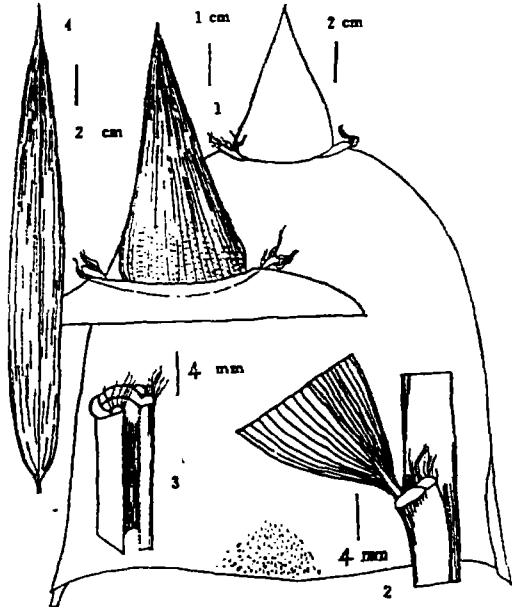


图 3 凹箨绿竹 *Sinocalamus concavus*

W. T. Lin et Z. M. Wu, sp. nov.

1. 秆箨; 2. 叶的一部份;

3. 叶鞘; 4. 叶片。

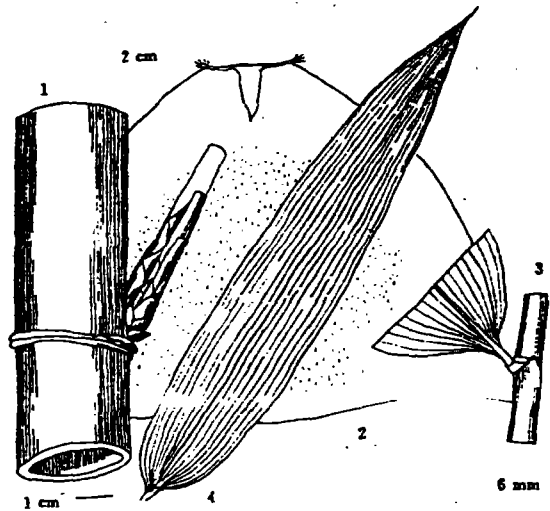


图 4 白沙竹 *Sinocalamus suberosus*

W. T. Lin et Z. M. Wu, sp. nov.

1. 秆的一部份; 2. 秆箨;

3. 叶的一部份; 4. 叶片。

白沙竹 (广东广宁) 新种 图 4

Sinocalamus suberosus W. T. Lin et Z. M. Wu, sp. nov.

Species affinis *S. stenocaulis* W. T. Lin, sed cicatricibus vaginarum culmorum suberosis prominulis, vaginis culmorum apice rotundatis vel truncatis, auriculis anguste falcatis, ligulis vaginarum 1.5 mm longis, laminis foliorum subtus venulis transversis manifestis differt.

Culmi usque 8 m alti, 4~7 cm diam.; ligno culmorum 4~8 mm crasso; internodiis 22~43 cm longis teretibus glabris; nodis planis; cicatricibus vaginarum culmorum suberosis; ramis 3~11 saepe e sexto nodo culmorum initio orientibus, primariis quam ceteris crassioribus et longioribus. Vaginae culmi deciduae, apice rotundatae vel truncatae, margine glabrae, dorso sparse fusco-hispidae; ligulis 1.5 mm longis, margine denticulatis; auriculis anguste falcatis saepe plus minusve exsertis; laminis reflexis parvis lanceolatis. Folia 5~7 in quoque ramulo; vaginis foliorum glabris; ligulis 0.5 mm longis, apice truncatis; auriculis angustis vel minutis; setis oralibus non evolutis; laminis 9~32 cm longis, 2~5.5 cm latis, utrinque albo-puberulis; nervis secundariis utrinque 7~10; venulis transversis subtus manifestis.

Guangdong; Guangning, Dongxiang, 13 K 1990, Zhimin Wu 88024 (Type, SCAC).

本种近似青甜竹 *S. stenoauritus* W. T. Lin, 区别在秆的箨环呈木栓质隆起, 箨鞘顶端圆或截平, 箨耳窄镰形, 箨舌长 1.5 mm, 小横脉在叶片背面明显。

广东: 广宁, 东乡, 1990年9月13日, 吴志敏 88024 (模式, SCAC)。产于河边, 笋可食。

紫斑镰序竹 新种 图5

Drepanostachyum naibunensoides W. T. Lin et Z. M. Wu, sp. nov.

Species affine *D. naibunense* (Hayata) Keng f., sed internodiis culmorum purpureo-maculatis inaequalibus, nodis culmorum planis; auriculis vaginarum linearibus, margine non setis, auriculis foliorum nullis, laminis foliorum nervis secundariis utrinque 7~14 differt.

Rhizoma sympodialis. Culmi usque 4 m alti, 1.5 cm diam., apice arcuatis vel pendulis, ligno culmorum 2 mm crasso; internodiis teretibus 10~12 cm longis initio albidulis et purpureo-maculatis inaequalibus, nodis planis; cicatricibus vaginarum angustis et leviter prominentibus; gemmis 3 in quoque nodo; ramis 3~7 saepe e quarto nodo initio orientibus, primariis quam ceteris crassioribus. Vaginae culmi deciduae, apice leviter convexae, margine glabrae, dorso sparse luteo-fuscae hispidae; ligulis 1.5 mm longis, margine irregulariter dentatis, interdum sparse ciliatis; laminis anguste lanceolatis patentibus vel reflexis, basi in rotundam formam contractis et secus lateres duo in duas auriculas decurrentibus; auriculis linearibus, margine non setis. Folia 5~11 in quoque ramulo; vaginis foliorum dorso albo-puberulis, margine ciliatis; ligulis 1 mm longis, margine denticulatis; auriculis nullis; setis oralibus nullis; laminis 11~22 cm longis; 1.5~4.5 cm latis, supra sparse albo-puberulis, subtus pubescentibus; nervis secundariis utrinque 7~14; venulis transversis utrinque leviter manifestis.

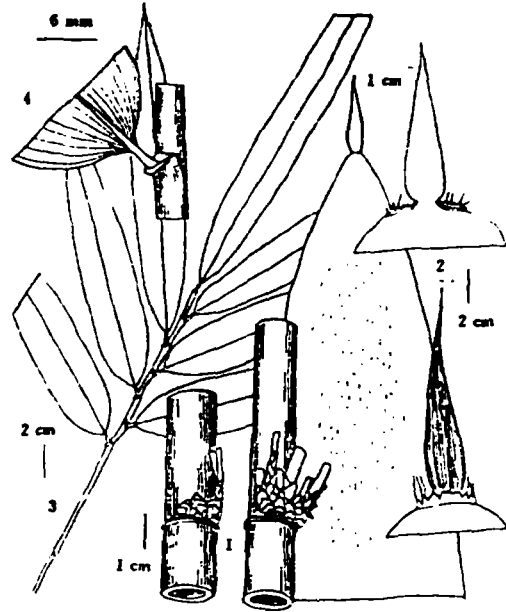


图5 紫斑镰序竹 *Drepanostachyum naibunensoides*

W. T. Lin et Z. M. Wu, sp. nov.

1. 秆的一部份; 2. 秆箨;
3. 小枝与叶; 4. 叶的一部份。

Guangdong: Guangning, Nanjie, 14 X 1990, Zhimin Wu 88029 (Type, SCAC).

本种近似内门竹 *D. naibunense* (Hayata) Keng f., 区别在秆的节间有大小不等的紫色斑点, 节环平, 箨耳线形, 边缘无毛, 叶耳缺失, 叶片每侧有次脉 7~14。

广东: 广宁, 南街, 1990年9月14日, 吴志敏 88029 (模式, SCAC)。主产于上林的低丘。

苦篙竹 新种 图6

Arundinaria acerba W. T. Lin, sp. nov.

Species affinis *A. hindsii* Munro, sed internodiis culmi brevioribus, 14~17 cm longis, primo purpureo-maculatis et albo-pubescentibus, laminis vaginarum culmorum patentibus vel reflexis, auriculis vaginarum anguste linearibus haud amplexicaulibus, ligulis foliorum 2.5~3 mm longis differt.

Culmi 1. 5~2 m alti, 7~10 m diam.; internodiis teretibus 14~17 cm longis, supra ramos planis, infra nodos albo-farinaceis; nodis medice prominentibus et albo-farnaceis; cicatricibus vaginarum leviter prominentibus plus minusve hispidis. Vaginae culmi apice truncatae, dorso sparse hispidulae, margine ciliolatae, ligulis in medio 1 mm longis, auriculis anguste linearibus, setis oralibus non evolutis; laminis lanceolatis patentibus vel reflexis, basi contractis, etiam ea latitudine circa 1/3 apicis vaginaepartes aequantibus. Rami omnes 3 in quoque nodo subaequales. Folia in quoque ramulo 3; vaginis foliorum albo-pubescentibus, margine sparse ciliolatis; ligulis 2. 5~3 mm longis, apice convexis vel truncatis, dorso fusco-hispidulis; auriculis et setis oralibus non evolutis; laminis 5~15 cm longis, 0. 8~2. 5 cm latis, supra glabris, subtus pubescentibus, nervis secundariis utrinque 6~8.

Guangdong; Guangning, Wube, 25 V 1990, Bo Feng 31869 (Type, SCAC).

本种近似箬竹 *A. hindsii* Munro, 区别在秆的节间较短, 长 14~17 cm, 初时有白色短柔毛和紫色斑点, 箨叶开展或外反, 箨耳窄线形, 决不抱秆; 叶舌长 2. 5~3 mm.

广东: 广宁, 五和, 1990年5月25日, 冯波 31869 (模式, SCAC).

蒲竹 (广东广宁) 新种图 7

Arundinaria rectirama W. T. Lin, sp. nov.

Species affinis *A. cantoni* (Munro) Chia, sed nodis culmi modice tumescentibus et in carinam transversam prominentibus, laminis vaginarum basi excavantibus, etiam ea latitudine circa 7/8 apicis vaginae partes aequantibus, ramis rectis, ligulis foliorum 3. 5~4 mm longis differt.

Rhizomata leptomorpha. Culmi circ. 2 m alti, 1~1. 2 cm diam.; internodiis teretibus, 11~16 cm longis, supra ramos leviter planis, infra nodos albo-farinaceis et hispidis; nodis modice tumescentibus et in carinam transversam prominentibus. Vaginae culmi deciduae, dorso sparse hispidae, margine sparse ciliolatis; ligulis 0. 8 mm longis, apice leviter

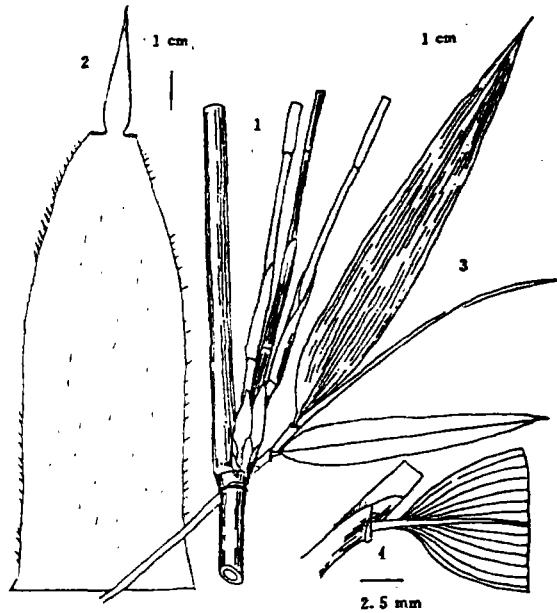


图 6 苦箬竹 *Arundinaria acerba*

W. T. Lin, sp. nov.

- 1. 秆的一部份; 2. 秆节;
- 3. 枝叶; 4. 叶的一部份.

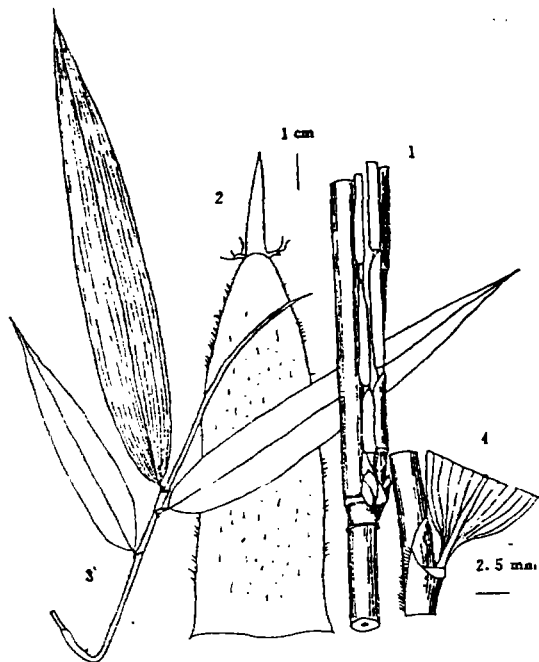


图 7 蒲竹 *Arundinaria rectirama*

W. T. Lin, sp. nov.

- 1. 秆的一部份; 2. 秆节;
- 3. 枝叶; 4. 叶的一部份.

convexis, laminis erectis lanceolatis, basi secus latera duo in duas auriculas excurrentibus, etiam ea latitudine circa 7/8 apicis vaginae partes aequantibus, auriculis falcatis, setis oralibus paucis. Rami 3 in quoque nodo, omnino erecti, primarii leviter crassi. Folia in quoque ramulo 3~4, vaginae foliorum hispidulae vel glabrae, margine ciliatae, ligulis 3.5~4 mm longis, apice acutis, interdum 2~3 lobis, auriculis non evolutis vel inconspicuis, setis oralibus non evolutis vel paucis; laminis 3~15 mm longis, 1~2 cm latis, supra glabris, subtus albo-pubescentibus, nervis secundariis utrinque 5~6.

Guangdong, Guangning, Shanglin, 25 V 1990. Bo Feng 31870 (Type, SCAC).

本种近似托竹 *A. cantori* (Munro) Cui, 区别在秆的节中等肿大, 并呈横脊隆起, 箨叶基部外延, 其宽度约为箨鞘顶部的 7/8, 枝条直立, 叶舌长 3.5~4 mm.

广东: 广宁, 上林, 1990年5月25日, 冯波 31870 (模式, SCAC)。生于低海拔的山坡。

紧箨箬竹 新种 图 8

Indocalamus amplexicaulis W. T. Lin, sp. nov.

Species *I. hirtivaginato* H. R. Zhao et Y. L. Yang affinis, sed vaginis culmorum persistentibus, laminis vaginae angust lanceolatis amplexicaulibus, ligulis vaginarum non ciliatis, ramulis in ramo haud evolutis, ligulis foliorum margine non ciliatis differt.

Rhizomata leptomorpha. Culmi 1~1.5 m alti, 6~8 mm diam.; internodiis teretibus vel supra ramos leviter planis 13~18 cm longis, glabrescentibus vel sparse albo-puberulis; nodis vix haud prominentibus, nodorum cicatricibus paulo prominentibus. Vaginae culmi persistentes amplexicaules omnes internodiis longiores, in sicco stramineis, dorso sparse fuscis tuberculato-hispidis, basi albo-pubescentibus, margine dense ciliatis; auriculis non evolutis; setis oralibus paucis erectis, ligula 1~1.5 mm longa, apice convexa, margine non ciliata; laminis erectis angust lanceolatis amplexicaulibus, basi in rotundam formam contractis. Rami plerumque solitarii, ramulis in ramo haud evolutis. Folia in quoque ramo 2~4, vaginae dorso sparse fuscis tuberculato-hispidis, margine dense ciliatis; auriculis et setis oralibus nullis; ligula 1 mm longa subtruncata, dorso dense hispidula, margine non ciliata; laminis ovato-oblongis, 25~33 cm longis, 5~6.5 cm latis, apice caudatis, basi rotundatis, supra glabris, subtus glaucis et dense albo-puberulis; nervis secundariis utrinque 12~13, venulis conspicue tessellatis.

Guangdong, Fogang, Guanyin Shan, alt. 1 000 m, 16 X I 1986, Jiayi Lin 28242 (Type, SCAC).

本种近似毛箨箬竹 *I. hirtivaginato* H. R. Zhao et Y. L. Yang, 区别在秆箨宿存, 箨叶抱秆, 窄披针形, 箨舌无纤毛, 小枝在枝条上决不发育, 叶舌无纤毛。

广东: 佛冈, 观音山, 海拔 1 000 m, 1986年12月16日, 林家怡 28242 (模式, SCAC)。

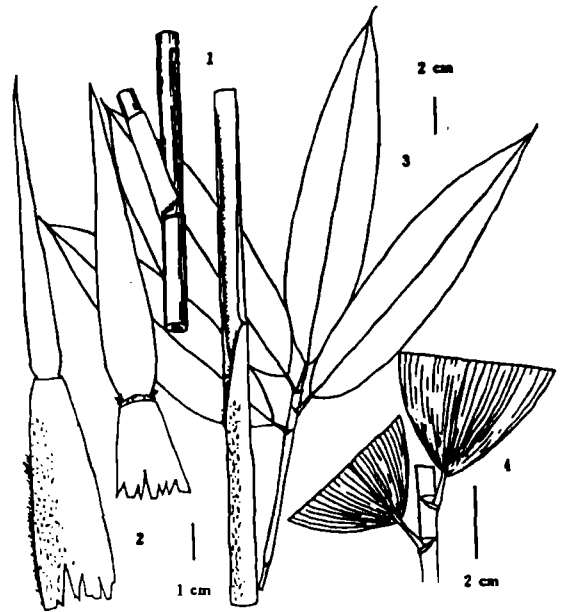


图 8 紧箨箬竹 *Indocalamus amplexicaulis* W. T. Lin, sp. nov.

1. 秆的一部份; 2. 秆箨;
3. 枝叶; 4. 叶的一部份。

SOME NEW SPECIES OF BAMBOO FROM GUANGDONG

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Abstract The present paper is a report of eight new species of bamboo from Guangdong, which are *Bambusa crispiaurita*, *Lingnania transvenula*, *Sinocalamus concavus*, *S. suberosus*, *Drepanostachyum naibunensoides*, *Arundinaria acerba*, *A. rectirama* and *Indocalamus amplexicaulis*.

Key words *Bambusa*; *Lingnania*; *Sinocalamus*; *Drepanostachyum*; *Indocalamus*; New taxa