

## NEW RECORDS OF THAI PLANTS—III

by

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Studying on recent collections in the Forest Herbarium (BKF), a number of flowering plants are being found in Thailand for the first time. It is, therefore, appropriate to record their occurrence in this bulletin for further references.

The author has no access to type specimens, therefore the determination is solely based on available references.

### DIPTEROCARPACEAE

*Hopea reticulata* TARD.—BLOT in Not. Syst. **10** (1942) : 132 et in HUMBERT, Suppl. Fl. Gen. Indo-Chine **1** (1943) : 346, fig. 36.

**Northeastern.** Ubol Rachathani, Phibul Mangsahan, Sae Waterfall, 300m, April 24, 1963 (SMITINAND 8057 A). Tree 10-15m tall, common in dry evergreen forest, sandy soil; stem straight, bark smooth, grey and black-patched; cut whitish 0.5cm thick. Young fruits green, calyx not developed into wings.

Vietnam and Thailand, (Fig. 1).

*Hopea* aff. *reticulata* TARD.—BLOT

**Northeastern.** Ubol Rachathani, Phibul Mangsahan, Sae Waterfall, 300m, April 24, 1963 (SMITINAND 8057).

Field character as above species, but leaves and fruits are larger in dimension, no apparent stylopodium, style pilose-pubescent; probably a new species, (Fig. 2).

*Shorea hemslayana* (KING) KING ex FOXW. Mal. For. Rec. **10** (1832) : 167; SYMINGTON, Mal. For. Rec. **16** (1943) : 70.

**Peninsular.** Narathiwas, Waeng, 450m, September 21, 1965 (PHENG-KHLAI & SMITINAND 1185). Tree 35-40m tall, 180-200cm girth; common on ridge in tropical rain forest. Material picked up beneath.

Peninsular Thailand, Malaysia, (Fig. 3).

### BOMBACACEAE

*Durio malaccensis* PL. ex MAST. in HKF., Fl. Brit. Ind. **1** (1874) : 531; KOSTERMANS in Reinwardtia **4** (1958) : 108, fig. 35.

**Peninsular.** Trang, Khao Chong, 100m, June 20, 1966 (SMITINAND 10038). Tree up to 40m tall, 200cm girth, buttressed; fruits greyish brown, picked up beneath.

Peninsular Thailand, Malay Peninsular, Sumatra.

The mature fruits of this species are red, the fruits seen are eventually not yet fully ripe. The local name is *Thurian nok* (ทุเรียนนกก)

#### STERCULIACEAE

*Sterculia parviflora* ROXB. Hort. Beng. 50; RIDLEY, Fl. Mal. Penins. 1 (1922) : 271.

**Southwestern.** Prachuap Khirikhan, Pranburi, 50m, December 1964 (A. KAEWSINGH s.n.).

Burma, Thailand, Vietnam and Malay Peninsular. It is locally known as *Paw khanun* (ปอขานุน)

#### ANACARDIACEAE

*Campnosperma auriculata* HK.F., Fl. Brit. Ind. 2 (1880) : 41; RIDLEY, Fl. Mal. Penins. 1 (1922) : 534.

**Peninsular.** Satun, Thung Nui, 50m, February 9, 1961 (SMITINAND 7136). Tree 15-20m tall, 60-100cm girth; common in evergreen forest. Bark greyish brown, lenticellate, cut pinkish brown, 0.5cm thick. Sterile.

Thailand, Malay Peninsula.

The auriculate leaf-base is very distinctive; the tree is locally known as *Pong* (โปง).

#### MELIACEAE

*Aglaia argentea* BL., Bijdr. (1897) : 170; KOORDERS & VALETON, Ic. Bogor. 1 (1897), t. 13; RIDLEY, Fl. Mal. Penins. 1 (1922) : 405.

**Peninsular.** Trang, Khao Chong, 100m, December 15, 1965 (C. BUNNAB 40, sterile).

Thailand, Malay Peninsula.

The character of leaves are distinctive enough to readily recognize.

*Aglaia trichostemon* C.DC., Mon. Phan. 1 (1878) : 608; RIDLEY, Fl. Mal. Penins. 1 (1922) : 407.

**Peninsular.** Trang, Khao Chong, 80m, October 6, 1965 (C. BUNNAEP 45).

Thailand, Malay Peninsula and Borneo.

The local name, *Sangkhriat lai* (สังเคียวตล้าย) is being affixed to this species.

*Dysoxylon urens* VAL. in KOORDERS & VALETON, Ic. Bogor. 1 (1897), t. 12.

**Peninsular.** Trang, Khao Chong, 100m (SMITINAND s.n., fruits).

Thailand, Java.

As the fruits are not previously known, a description is followingly given: Infructescence axillary, pendulous, almost reaching the ground; peduncle brown tomentose, 4-5m long; rachis brown floccose, 40-65cm long. Fruit fusiform with a blunt beak, brown floccose, 5cm long, 2cm broad at the middle; pedicel stout, 3mm long, brown, glabrescent. Staminal tube persistent at the base of the fruit, (Fig. 4)



Fig. 1. *Hopea reticulata* TARD.—BLOT  
A. Twig showing inflorescence.  
B. Young fruits enlarged.



Fig. 2. *Hopea* aff. *reticulata* TARD.—BLOT  
A. Twig showing inflorescence.  
B. Young fruits enlarged.



Fig. 3. *Shorea hemsleyana* (KING) KING ex FOXW.  
A. Young shoot.  
B. Germinating seed.



Fig. 4. *Dysoxylum Urens* VAL.

The fruits are being covered with irritant hairs, hence the name *Mamui chang* (หมาผู้ขี้ช้าง), literally meaning "elephant itch".

This species has not yet been reported from the Malay Peninsula.

#### CELASTRACEAE

*Kokoona littoralis* LAWS. in HK.F., Fl. Brit. Ind. 1 (1875) : 617; DING HOU, in VAN STEENIS, Fl. Males. Ser. 1, 6 (1962) : 261.

**Peninsular.** Surat (T. NAKHATHIRANOND s.n., fruits only).

Thailand, Malay Peninsular.

#### RUBIACEAE

*Gardenia griffithii* HK.F., Fl. Brit. Ind. 3 (1880) : 118; RIDLEY, Fl. Mal. Penins. 2 (1923) : 83.

**Peninsular.** Narathiwat, Bacho, Bacho Falls, 100m, February 4, 1961 (SMITINAND 7118). Tree 10m tall, 30cm girth, scattered in evergreen forest; bark greyish with small, brown lenticels. Flowers white turning orange-yellow, very scented.

Thailand and Malay Peninsula. The plant is locally known as *Sida* (สีดา).

#### SAPOTACEAE

*Palaquium gutta* BURCK, Ann. Jard. Buitenz 5 (1885); 24; RIDLEY, Fl. Mal. Penins. 2 (1923) : 274; BURKILL, Dict. Econ. Prod. Mal. Penins. 2 (1935) : 1635.

**Peninsular.** Satun, Khuan Kalong, 50m, January 30, 1961 (SMITINAND 7102). Tree 20-30m tall, 200cm girth, white latex.

Thailand, Malay Peninsula and Borneo.

This is the Gutta-Percha Tree of Malaysia. Its Thai vernacular name is *Chik nom* (ฉีกนม).

#### EUPHORBIACEAE

*Baccaurea reticulata* HK.F., var. *velutina* RIDL., Fl. Mal. Penins. 3 (1924) : 246.

**Peninsular.** Narathiwat, Waeng, 250m, September 22, 1965 (PHENG-KHLAI & SMITINAND 1214). Tree 35m tall, 150cm girth, scattered on ridges in tropical rain forest; bark smooth, grey, cut red-brown. Fruits orange, loculicidally dehisced into 3 valves; arill orange, sweet, edible, esteemed by the Semangs. It is locally known as *Mafai ling* (มะไฟลิง)

Peninsular Thailand and Northern Malaysia.

This variety has been hitherto known only from Fraser Hill in Pahang at an elevation of about 1300m (4000ft). It is distinguished from the main species by its cordate leaves and the dense tomentum on shoots, petioles and underpart of leaves.



*Eugeissona tristis* GRIFF.  
Waeng, Narathiwat Showing habitat.



*Eugeissona tristis* GRIFF.  
Waeng, Narathiwat close up of fruits.

## PALMAE

*Eugeissona tristis* GRIFF. in Calc. Journ. Nat. Hist. 5 (1845) : 101; RIDL., Fl. Mal. Penins. 5 (1925) : 34.

**Peninsular.** Narathiwas, Waeng, 450m, September 21, 1965 (PHENG-KHLAI & SMITINAND 1196).

Peninsular Thailand, Malaysia. Pls. V & VI.

## ORCHIDACEAE

*Dendrobium arachnites* RCHB.F. in Gard. Chron. (1874) : 354; GRANT, Orch. Burm. (1895) : 67; GUILLAUM. in Bull. Mus. Nat. Hist. Natlle. Paris, 2 Ser. 31 (1959) : 522.

**Northeastern.** Loei, bought in Bangkok flower-market, said to be brought from Phu Ruea (SAGARIK, s.n.). Flowers orange-red.

Burma (Moulmein), Thailand and Laos. (Fig. 5)



Fig. 5. *Dendrobium arachnites* RCHB.F.

A. Whole plant. B. Fl. side view.  
C. Fl. Front view. D. Fl. side view lip spreading.

*Eria merguensis* LINDL. in WALL. Cat. (1828) No. 1972 et Gen. Sp. Orch. Pl. (1830-1840) : 68; GRANT, Orch. Burm. (1895) : 142.

**Peninsular.** Phang-nga, Khao Phrami (B. SANGKHACHAND s.n.); flowered in Bangkok in May 1966.

From Lower Burma to Peninsular Thailand. The occurrence in Thailand at the present seems to mark its southernmost distribution. (Fig. 6)

*Thunia alba* RCHB.F. var. *bensoniae* (HEMSL.) HK.F., Bot. Mag. n.s. 3, 24 (1868), t. 5694; GRANT, Orch. Burm. (1895) : 208.

**Southwestern.** Kanburi, Pilok (BANYAT SANGKHACHAND s.n.).

Burma (Moulmein), Thailand. A live specimen was sent for identification in August 1957. The flower is pinkish purple with yellow median ridge, It is locally known as *Kulap thawai* (กุหลาบทะวาย) (Fig. 7).



Fig. 6. *ERIA MERGUENSIS* LINDL.  
A. Whole plant.  
B. Fl. enlarged.  
C. Detail of flower.

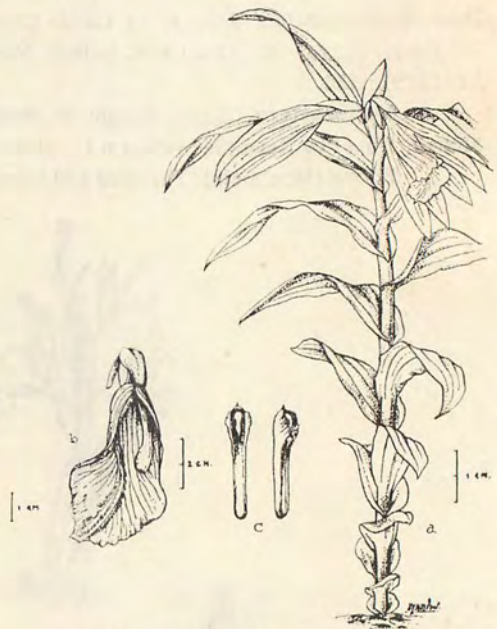


Fig. 7. *Thunia alba* RCHB.F.  
var. *bensoniae* (HEMSL.) HK.F.  
A. Whole plant.  
B. Flower.  
C. Column.