Some Gasteromycetes from Northern Thailand

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SUMMARY


INTRODUCTION

The gasteromycetes treated in this paper are collected in the year 1979 from Chiang Mai, Northern Thailand. Species new to Thailand are marked with an asterisk.

PHALLACEAE

*Phallus rubicundus* (Bosc) Fr.

Along road, beneath *Cassia siamea*.

*Mutinus bambusinus* (Zoll.) Fischer

On soil in bamboo-shrub, alt. 800 m. As the name indicates, often associated with bamboo, and has a tropical-subtropical distribution.

LYCOPERDACEAE

*Lycopodion pyriforme* Schaeff. ex Pers.

On rotten wood in moist hill evergreen forest. Several specimens

**The Forest Herbarium, Royal Forest Department, Bangkok 10900, Thailand.**
showing a caespitose growth, and with the typically almost smooth spores of *L. pyriforme*.

**Morganella compacta** (Cunn.) Kreisel & Dring

Two collections on rotten wood in moist hill evergreen forest. The specimens have chambered subgleba, and an exoperidium with scattered elongated spines, distinguishing it from other species of the genus.

**ASTRAEACEAE**

*Astraenus hygrometricus* (Pers.) Morg.

The collection from the mountainous area, on old fire bed or underground, in dry deciduous *Dipterocarpus* forest.

**NIDULARIACEAE**

**Nidula niveo-tomentosa** (Henn.) Lloyd

Two collections from a *Sphagnum*-bog on decaying twigs. Its usual habitat is decaying wood among mosses.

**Cyathus berkeleyanus** (Tul.) Lloyd

On decaying twig. *C. berkeleyanus* is recognized by its plicate, tomentose peridium, the black peridioles with a grey to buff tunica, and the relatively small, subglobose to ovoid spores, 4–5 x 6–8 micron.

**ASTROGASTRACEAE**

**Arcangeliella rosea** (Harkn.) Zeller & Dodge

On soil at foothill in deciduous *Dipterocarpus-Quercus* forest. This partly hypogaean species recognized by its white latex, distinct columella, and the globose, echinulate spores, 10–14 micron diam.

**HYMENOGASTRACEAE**

**Hymenogaster cf. abellus** Massee & Rodw.

One specimen in river bed. The spores are light brown to yellow, ovoid, 10–12 x 8–10 micron, including apiculus and warts. They greatly resemble the spores of *Hymenogaster* sp. described by DISSING (1963).

**SCLERODERMATAECEAE**

**Scleroderma sinnamariense** Mont.

On soil in pine forest, evergreen forest. The material has reticulate spores and hyphae with clamp connections. The peridium is obviously
two-layered with a light yellow to yellow or light brown outer layer, and lemon chrome inner layer.

**Pisolithus arrhizus** (Pers.) Rauchert

On sandy soil in Dipterocarpus forest mixed with *Quercus*. Recorded from Thailand by DISSING (1963) and CHANSRIKUL (1977).

**Check-list of Gasteromycetes from Thailand**

The total number of species from Thailand at present are 30. References to all previously published records are given. Species new to Thailand are marked with an asterisk.

*Arcangeliella rosea* (Harkn.) Zeller & Dodge


*Calvatia creniformis* (Schw.) Fr. (CHANSRIKUL 1977).


*C. berkeleyanus* (Tul.) Lloyd

*C. intermedius* (Mont.) Tul. (PHANICHAPOL 1968).

*C. limbatus* (Tul.) (DISSING 1963, PHANICHAPOL 1968).


*C. triplex* Lloyd (DISSING 1963).

*Geastrum lageniforme* Vitt. (DISSING 1963).

*G. mirabile* Mont. (DISSING 1963).

*G. triplex* Jungh. (DISSING 1963).

*Hymenogaster cf. abellus* Massee & Rodw.


*L. perlatum* Pers. (DISSING 1963, CHANSRIKUL 1977 as *L. gemmatum* Fr.).


*Morganella compacta* (Cunn.) Kreisel & Dring

*Mutinus bambusinus* (Zoll.) Fischer

*Nidula niveo-tomentosa* (Henn.) Lloyd

*Phallus indusiatus* Vent. ex Pers. (PHANICHAPOL (1968) as *Dictyophora phalloides* Desv., CHANSRIKUL (1977) as *Dictyophora indusiata* (Pers.) Fischer).

*P. rubicundus* (Bosch) Fr.


*S. citrinum* Pers. (DISSING 1963 as *S. aurantium* L. ex Pers.)

*S. areolatum* Ehrenb. (DISSING 1963 as *S. lycoperdoides* Schw.).

*S. sinnamariense* Mont.

*Tulostoma berkeleyii* Lloyd (CHANSRIKUL 1977).
REFERENCES


