Wood-Rotting Fungi Collected in Suweon Campus of Seoul National University (I)

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서울대학교 수원캠퍼스에서 수집한 속토방과 림(1)

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Abstract: Wood-rotting fungi were collected in Suweon campus of Seoul National University from September 1981 to October 1982. These fungi were classified into 2 orders, 8 families, 22 genera and 34 species. Of these, *Gloeoporus adustus* (Willd. ex Fr.) Pilát and *G. dichrous* (Fr.) Bres. were found to be new species that belong to unrecorded genus in Korea. Korean common names of these two new species were designated by the authors. List of the wood-rotting fungi was given with the generic name of host trees on which the fungus was collected.

Description of the New Species in Korea

Polyporaceae


*Gloeoporus adustus* (Willd. ex Fr.) Pilát 무론구멍장이버섯属(新種)


Sporophore sessile or effused-reflexed, tough to coryk, rigid when dry, reviving, usually imbricate; pileus 1~6×3~10×0.1~0.8cm, white or cinereous to smoke-grey or pale tan, rarely with reddish blotches or zones, finely tomentose to short villose-tomentose or nearly glabrous, or at times short strigose behind and the margin fibrillose or fibrillose-striate, the margin thin, even, often black in dried specimens, sterile below; context white or in dried specimens ochraceous or pale brown, 1~6mm thick, in large specimens separated from the tube layer by a narrow dark line; pore surface at first gray or grayish black, darker where bruised, often changing to black or rarely sordid brown in age and in herbarium specimens, the tubes 2mm long or less, the mouths very minute, subicular then angular, averaging 5~7 per mm, scarcely visible to the unaided eye; tramal tissue decidedly brown under the microscope; spores oblong or oblong-ellipsoid, rarely slightly curved, smooth, hyaline, 3.5~5×2~3μ; basidia quite small, 8~10×4~5μ; cystidia and hyphal pegs none; hyphae hyaline, considerably branched, with cross walls and clamps, 3~6μ in diameter.

Habitat: Usually on dead wood of deciduous trees, noted on *Paulownia* and *Quercus*.

Distribution: Suweon.
List of Wood-Rotting Fungi with Their Host Trees

Basidiomycotina 擔子菌亞部
Hymenomycetes 輪菌綱
Holobasidiomycetidae 同擔子菌亞綱
Agaricales 首語菌目
Pleurotaceae 円耳菌科
Panellus stipticus (Fr.) Karst. 부재버섯
on Pinus
Schizophragma commune Fr. 치아버섯
on Cercis, Pinus, Prunus, Fraxinus, Pyrus, Quercus, Salix, Wistaria
Pleurotus ostreatus (Jacq. ex Fr.) Quél. 늪타리
on Quercus

P. cornucopia (Pers.) Rolland 노랑느타리
on Quercus, Wistaria
Panus rudis Fr. 참버섯
on Platanus
Tricholomataceae 송이버섯
Armillaria mellea (Vahl. ex Fr.) Kummer 콩나무버섯
on Quercus
Flammulina velutipes (Curt. ex Fr.) Karst. 콩나무버섯
on Platanus, Populus, Quercus, Wistaria
Coprinaceae 베들버섯과
Coprinus atramentarius (Bull. ex Fr.) Fr. 두엽버들버섯
on Populus
C. disseminatus (Pers. ex Fr.) S.F. Gray 고찰버들버섯
on Populus, Quercus
C. micaceus (Bull. ex Fr.) Fr. 갈색버들버섯
on Populus, Quercus
Strophariaceae 청동버섯과
Pholiota adiposa (Fr.) Quél. 갈은버들버섯
on Quercus
P. squarrosa (Müll. ex Fr.) Kummer 비늘버섯
on Populus
P. squarrosoides (Peck) Sacc. 참비늘버섯
on Populus
Aphyllophorales 민주버섯목
Corticaceae 고막버섯과
Stereum ostrea (Bl. ex Nees) Fr. 갈색꿀구름버섯
on Prunus
Meruliaceae 아교버섯과
Phlebia strigosozonatus (Schw.) Lloyd. 밀가루주름버섯
on Quercus
Mycronoporaceae 진흙버섯과
Phaeolus schweinitzii (Fr.) Pat. 해면버섯
on Platanus, Populus
Polyporaceae 구름غم버섯과
Trametes dickinsii Berk. 등갈색송-pencil버섯
on Salix
T. gibbosa Fr. 대합송-pencil버섯
on Salix
T. tropii Berk. 포기돌송-pencil버섯
on Salix
Pycnoporus sanguineus (L. ex Fr.) Mur. 갈버섯
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on Quercus
Gloeoporus adustus (Willd. ex Fr.) Pilát 그로포로포루스
병장이버섯
on Paulownia, Quercus
G. dichrous (Fr.) Bres. 젤무론구영장이버섯
on Salix
Gloeophyllum abietinum (Fr.) Karst. 천나무조계이버섯
on Pinus
Lenzites betulina Fr. 조개짚침바섯
on Paulownia, Platanus, Quercus, Salix
Daedaleopsis tricolor (Fr.) Schroet. 삼색토장바섯
on Alnus, Salix
Hirschioporus abietinus (Dicks. ex Fr.) Donk 웜합바섯
on Pinus
Coriolus consors (Berk.) Imaz. 송곳나무구름바섯
on Robinia, Quercus
C. hirsutus (Wulf. ex Fr.) Quél. 천구름바섯
on Prunus, Salix
C. pubescens (Schum. ex Fr.) Quél. 휘술잎구름바섯
on Quercus
C. versicolor (L. ex Fr.) Quél. 구름바섯
on Alnus, Castanea, Paulownia, Pinus, Populus,
Prunus, Pyrus, Quercus, Robinia, Salix
Fomitopsis officinalis (Vill. ex Fr.) Bond. et Sing. 말
굴장나비버섯
on Pinus
F. cytisina (Berk.) Bond. et Sing. 흉굴장나비버섯
on Alnus
Grifola gigantea (Fr.) Pilát 황일제버섯

on Quercus
Elvingia applanata (Pers. ex Wallr.) Karst. 천나무
전상
on Quercus

摘要

1981년 9월부터 1982년 10월까지 서울대학교 원생물
과학과에서 나무 및 나무의 부분에서의 녹색균
을 수집하였다. 이들로 22속, 34종으로 분류되었으며, 그 중
韓國產 未記
録屬 Gloeophyllum의 未記録種 G. adustus(Willd. ex Fr.)
Pilát 및 G. dichrous(Fr.) Bres.가 發見되었다. 이들
新種에 대해 우리말 바섯이름이 주어졌으며, 子實體에
대한 記述은 헤본였다. 採集된 34종에 대해 各各
의 生息
하는 나무의 屬名을 記載하였다. 各 種標準 서울대학교
農科대학교 农生物学科에 保存되어 있다.

韓國產 未記録種의 同定에 協助하여주신 美國 Virginia州立大學校 Orson K. Miller, Jr. 敎授에게 感謝드린다.

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United States, Alaska and Canada. 466pp. Ann
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Explanation of the Plates

**Fig. A~G.** *Gloeoporus adustus* (Willd. ex Fr.) (0.5×)
Pilát A: sporophores, lower-surface view (left) and upper-surface view (right), B: upper-surface view, C: lower-surface view, D: side cut-down view, E: spores, F: basidia, G: hypha with clamp connection

**Fig. H~N.** *Gloeoporus dichrous* (Fr.) Bres. (1.5×)