Studies on Scolytidae and Platypodidae (Coleoptera) Found on Imported Logs at Japanese Ports I

— Keys to the Subfamilies, Tribes and Genera—

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Abstract: Four subfamilies, 23 tribes and 77 genera of Scolytidae, 4 subfamilies, 15 genera of Platypodidae have been found in imported logs at Japanese ports. Keys to the subfamilies, tribes and genera are provided, respectively.

Key words: Insecta, Scolytidae, Platypodidae, Imported logs, Classification

Introduction

Japan is the country importing the largest amount of timbers in the world and numerous species of trees have been imported from various countries or areas in the world, North America, U.S.S.R., Southeast Asia, New Guinea areas, Tropical west Africa, New Zealand, Chile and so on, to Japan.

A large number of species of scolytid and platypodid beetles were collected from imported logs (a few species in seeds) at Japanese ports at the time when the logs have been inspected.

However, positive identification of these beetles is quite difficult.

This report was written, in order to help identify these beetles, by providing keys to the taxa, namely 4 subfamilies, 23 tribes and 77 genera of Scolytidae and 4 subfamilies and 15 genera of Platypodidae which have been found at the import plant inspection.

Family Scolytidae

Key to the Subfamilies

_	Pronotum not emarginated on posterior half (constricted in Streptocranus), pronotal
	disc without pores in both sexes; protibiae, coxae, eyes, antennal funicle and clubs
	variable 3
3.	Each basal margin of elytra procurved and armed by a series of marginal crenulations
	(continuous elevated line in <i>Liparthrum</i> and <i>Bothrosternoides</i>); pronotum weakly if at
	all declivous on anterior half, usually unarmed, if armed then asperities less abun-
	$dant \ ; \ head \ usually \ visible \ from \ above \ ; \ protibiae \ usually \ wider \dots Hylesininae$
_	Basal margins of elytra straight, usually smooth, rounded, rarely with a fine raised
	line; pronotum weakly to strongly declivous on anterior half and surface usually
	armed by many asperities or granules (unarmed in Crypturgini and some
	Dryocoetini); head usually not visible from above; protibiae usually narrower
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Subfamily Scolytinae Tribe Scolytini

One genus *Scolytus* Geoffroy, found on imported logs from U.S.S.R., Europe, Taiwan and Norh America.

Subfamily Hylesininae Key to the Tribes

1. Lateral margin of pronotum marginated on more than basal half; outer apical angle of protibia with one prominent spine or bifid process; anterior coxae widely separated
Lateral margin of pronotum acute to rounded, never marginated; outer apical angle of protibia armed by several teeth of about equal size (except with bifid process in Bothrosternini); anterior coxae contiguous to widely separated
3. Antennal funicle 7-segmented, club obscure, procurved suture indicated; outer apical angle of protibia with one major, recurved spine; basal margins of elytra crenulate
 Antennal funicle 5-segmented, club without sutures; outer apical angle of protibia with a bifid process; basal margins of elytra not crenulate, with continuous elevated line; from Malaya peninsula and BorneoTribe unknown, Genus Bothrosternoides SCHEDL¹⁾ 4. Antennal club deeply divided into three units; anterior coxae moderately separated; eye entire; anterolateral areas of pronotum armed by asperitiesPhloeotribini — Antennal club connate, not deeply divided into three units; anterior coxae, eyes and pronotum variable

¹⁾ Peculiar genus, probably not belong to known tribes.

5. Eye entire to shallowly emarginate (except deeply emarginate in Liparthrum): pronotum either armed or not; anterior coxae contiguous to widely separated; antennal club varying from flattened to conical		
striae 5; 3rd tarsal segment stout, bilobed (not stout in <i>Hapalogenius</i>)		
Tribe Hylastini Key to the Genera		
1. Tarsal segment 3 broad, bilobed; pronotum usually constricted anteriorly; from U. S.S.R., Europe, Taiwan and North America		

Tribe Hylesinini Key to the Genera

constricted in front and with a narrow transverse impression on anterior area; mostly largest body, about 10 mm long; from Southeast Asia, New Guinea areas and Africa — Dactylipalpus Chapus — Antennal club oval or elongate, marked by sutures; pronotum constricted in front, without a transverse impression; body less than 4.0 mm long
Tribe Tomicini
Key to the Genera
1. Antennal funicle 6-or 7-segmented, club conical or subconical
pubescent on posterior third; from Siberia, New Zealand and Chile Hylurgus LATREILLE — First segment of antennal club short, about one-fourth of its total lenght; elytra not densely pubescent on posterior third; from U.S.S.R., Europe, Taiwan and Indo-China
4. First segment of antennal club short, about one-fourth of its total length; lateral areas of pronotum finely asperate; from North America

Tribe Diamerini

One genus *Diamerus* ERICHSON, found on imported logs from Southeast Asia and New Guinea areas.

Tribe Sphaerotrypini

One genus *Sphaerotrypes* BLANDFORD, found on imported logs from Southeast Asia and Africa.

Tribe Phrixosomini

One genus Phrixosoma BLANDFORD, found on imported logs from Africa.

Tribe Bothrosternini

One genus Pagiocerus Eichhoff, found in imported corn from Peru.

Tribe Phloeotribini

One genus *Phloeotribus* LATREILLE, found on imported logs from U.S.S.R. and North America.

Tribe Phloeosini

One genus *Phloeosinus* Chapuis, found on imported logs from Southeast Asia, New Guinea areas and North America.

Tribe Hypoborini Key to the Genera

1. Vestiture hairlike; pronotum smooth, unarmed; eye deeply emarginate; scutellum
visible, small; anterior coxae narrowly separated; antennal funicle 4-segmented; from
Sumatra and Borneo
- Vestiture scalelike; pronotum armed by asperities; eye entire or shallowly emar-
ginate; scutellum not visible; anterior coxae either contiguous or narrowly separated;
antennal funicle 3- or 5-segmented
2. Anterior coxae narrowly separated; antennal funicle 3-segmented, scape with very
long hairs on near apex; eye entire; pronotum coarsely asperate on middle area; elytral
disc armed by stout spines; from Africa
— Anterior coxae contiguous; antennal funicle 5-segmented, scape without special
pubescence; eye shallowly emarginate; pronotum armed by a few inconspicuous asper-
ities on anterolateral areas; elytral disc without teeth or spines; from North America

Tribe Polygraphini Key to the Genera

1. Antennal club solid, unmarked by sutures; eye deeply emarginate to divided into two
parts 2
— Antennal club marked by sutures; eye emarginate, never divided
2. Body large, about 7.0 mm long; antennal funicle 5-segmented; strial rows of elytra
clearly indicated by rows of small, rather shallow punctures; from Borneo
— Body smaller, less than 3.5 mm long; antennal funicle 5- or 6-segmented; elytral
punctures very small, confused, strial rows usually not evident; from U.S.S.R., Southeast
Asia, Africa and North America
3. Antennal club asymmetrical, strongly flattened, with partial oblique septum on one
side; tarsal segment 3 rather broad, bilobed; antennal funicle 6-segmented; from Africa
— Antennal club symmetrical, with three subtransverse sutures; tarsal segment 3
slender; antennal funicle 5-or 6-segmented
4. Antennal funicle 5-segmented, club flattened; from of female not deeply concave;
from U.S.S.R. and Noth America
— Antennal funicle 6-segmented, club subconical; from of female broadly, deeply
excavated; from Malaya peninsula and Sarawak
Subfamily Ipinae
Key to the Tribes
1. Metepisternum largely covered by elytra, visible only in front; antennal club strongly
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clivous on anterior area, unarmed, punctured over entire surface; body shorter than 2.0 mm
— Antennal funicle 3- to 6-segmented; elytral declivity usually flattened to convex, unarmed by teeth or spines, or unusual sculpture (except armed by teeth in <i>Tiarophorus</i>)
Tribe Ctenophorini
One genus Scolytodes Ferrari, found on imported logs from Columbia.
Tribe Xyloctonini
One genus <i>Scolytomimus Blandford</i> , found on imported logs from Southeast Asia and New Guinea areas.
Tribe Cryphalini Key to the Genera
1. Antennal club nearly circular, without distinct sutures

Erioschidias Schedl
— Eye entire; costal margins of elytra ascending only slightly posteriorly; antennal
funicle 3- or 4-segmented, pedicle about as long as wide, club normal size; lateral areas
of pronotum with or without a fine, raised line
3. Lateral areas of pronotum without a fine, raised line; antennal funicle 4-segmented;
from Africa
— Lateral areas of pronotum with a fine, raised line; antennal funicle 3-segmented;
from Taiwan and Philippines
4. Antennal club with only suture 1 marked by a partial oblique septum; antennal
funicle 4-segmented; from Ceylon
— Antennal club with two or three sutures clearly marked by setae; antennal funicle
varying from 3- to 5-segmented
5. Sutures of antennal club weakly to strongly procurved, club without septum; anten-
nal funicle 3- or 5-segmented
- Sutures of antennal club not procurved, straight, sinuate or recurved, club with or
without septum; antennal funicle 4- or 5-segmented
6. Lateral areas of pronotum without a fine, raised line; eye usually entire; costal
margins of elytra ascending only slightly posteriorly; sutures of antennal club usually
strongly, rather narrowly procurved, first suture reaching middle of club; antennal funicle
3-segmented; from Thailand, Burma, Borneo and Celebes
— Lateral areas of pronotum acute, with a fine, raised line; eye emarginate; costal
margins of elytra distinctly ascending posteriorly; sutures of antennal club weakly to
moderately procurved, first suture not reaching middle of club; antennal funicle 3-or 5-
segmented
7. Antennal funicle 3-segmented; from New Guinea areas Margadillius HOPKINS
— Antennal funicle 5-segmented; from Southeast Asia and New Guinea areas
8. Antennal club slender, pointed at tip, with sutures straight, not septate; antennal funicle 5-segmented; from U.S.S.R
— Antennal club oval, rounded at tip, with sutures straight, sinuate or recurved and
either with or without septum; antennal funicle 4-or 5-segmented
9. Sutures of antennal club not septate; body usually stout; male and female equal in
size and appearance; antennal funicle alway 4-segmented; from U.S.S.R. and Southeast
Asia and New Guinea areas
— First suture of antennal club partly septate; body usually slender; male dwarfed,
much smaller than female, with eyes abnormally small; antennal funicle 5-segmented or
rerely 4-segmented; from almost circumtropical and subtropical

Tribe Crypturgini Key to the Genera

Tribe Xyloterini Key to the Genera

Tribe Dryocoetini Key to the Genera

1. Antennal funicle 6-segmented, club nearly glabrous on both faces; pronotum smooth,
punctured over entire surface, lateral margin marginated on basal two-thirds; declivity
armed by teeth in male; from Africa
— Antennal funicle 3- to 5-segmented; club marked by sutures; pronotum asperate at
least on anterior area, lateral margins never marginated; declivity unarmed by teeth in
both sexes
2. Antennal club oval, compressed, with three subtransverse sutures on both faces; eye
entire; antennal funicle 4-segmented; from Sumatra
- Antennal club nearly circular, compressed to obliquely truncate, with sutures of
posterior face, if visible, procurved and usually limited to apical half; eye emarginate;
antennal funicle 3- to 5-segmented
3. Antennal club obliquely subtruncate, with basal corneous portion large, occupying
more than half of total length, sutures of club transverse or recurved; antennal funicle $\boldsymbol{5}$
-segmented; from U.S.S.R., Europe, Taiwan and North America Dryocoetes Eichhoff
 Antennal club with basal corneous portion varying from small to large, if large, then
sutures distinctly procurved; antennal funicle 3- to 5-segmented 4
4. Sutures of antannal club transverse or sinuate, not procurved; pronotum more
convex; antennal funicle 5-segmented 5
— Sutures of antennal club procurved, or if transverse (a few Poecilips), then pronotum
not strongly convex; pronotum less convex
5. Pronotum armed by coarse and small asperities intermixed, coarser asperate area not
extending to laterally; antennal club with sutures strongly displaced apically on posterior
face; from Southeast Asia
 Pronotum armed by even sized asperities, asperate area extending laterally; anten-
nal club with two sutures visible on apical half of posterior face; from Southeast Asia and
New Guinea areas
6. Antennal club with feebly procurved, sinuate or transverse sutures; costal margin of
elytra slightly ascending from base of declivity to apex; frons usually weakly to strongly
aciculate, not densely pubescent in both sexes; antennal funicle 5-segmented

— Antennal club with distinctly procurved sutures; costal margin of elytra not ascending toward apex (except ascending in <i>Ozodendron</i>); from not aciculate, densely pubescent in famels
in female 7. Basal and lateral margins of pronotum rounded (a few species with a fine, raised line); from Southeast Asia, New Guinea areas and Africa — Basal and lateral margins of pronotum with a fine, raised line; from South America, Africa and Canary Is. — Coccotrypes Eichhoff 8. Protibia slender, feebly dilated distally, subtruncate at apex; pronotum weakly depressed on behind summit; elytral vestiture more abundant; antennal funicle 5-segmented; from Iran — Taphrorychus Eichhoff — Protibia broad, wider apically; posterior half of pronotum flat or convex, not depressed; elytral vestiture less abundant 9. Pronotum as wide as long or wider than long, with asperities usually extending near base; antennal funicle 5-segmented; from Philippines, Borneo, Moluccas and New Guinea — Ozodendron Schedl
— Pronotum longer than wide, distinctly punctate on posterior half
Tribe Ipini Key to the Genera
1. Prosternal intercoxal piece short, obtuse; lower margin of declivity rounded; female frons deeply, rather narrowly excavated; antennal club compressed, with a procurved suture on apical third of posterior face and transeverse or bisinuate sutures on anterior face; from U.S.S.R., Europe and North America

²⁾ Original description in Hopkins (1915) antennal funicle 4-segmented.

4. Third (lowest) teeth in male not on lateral margin of elytral declivity, displaced mesally; eye moderately large, not coarsely faceted; sutures of antennal club either recurved or procurved; from U.S.S.R., Southeast Asia, Europe, Chile and North America
Tribe Xyleborini Key to the Genera
1. Entire tarsus more strongly compressed; costal margin of elytra distinctly ascending posteriorly; scutellum not visible; from Southeast Asia and New Guinea areas Eccoptopterus Motschulsky — Entire tarsus not compressed, cylindrical; costal margin of elytra descending or
ascending only slightly posteriorly; scutellum either visible or not
 Arixyleborus); antennal funicle 5-segmented
— Scutellum not visible; antennal club rather broad, not obliquely truncate
Southeast Asia
and sometimes lower margin ordinarily with unusual sculpture and ornamentation; from Southeast Asia and New Guinea

8. Sides of pronotum abruptly constricted at posterior third, thence expanded anteriorly,		
apex broadly rounded and anterior margin with transverse median extension; elytra with		
conspicuous postero-lateral processes; from Borneo and New Guinea		
Streptocranus Schedl		
— Sides of pronotum not constricted and usually not expanded anteriorly; elytra		
variously sculptured; from almost throughout the worldXyleborus Eichhoff		
Tribe Corthylini		
Key to the Genera		
1. Antennal funicle 5-segmented, club usually smaller; pubescence usually more abun-		
dant 2		
— Antennal funicle 2- or 5-segmented, club much larger; pubescence usually less		
abundant 4		
2. Sutures of antennal club not septate; from North America, in cones		
— Suture 1 and 2 of antennal club partly septate		
3. Pronotum without a transverse impression behind summit, transition from asperate to punctured areas gradual, lateral and basal margins not marginated; from Brazil		
 Pronotum with a distinct transverse impression behind summit, transition from 		
asperate to punctured area more abrupt, lateral and basal margins marginated; from U.		
S.S.R., Africa and North America		
4. Antennal funicle 2-segmented, club asymmetrical; posterior face of protibia coarsely		
tuberculate; from North America		
— Antennal funicle 5-segmented, club symmetrical; posterior face of protibia either		
smooth or armed by a few minute granules $\hdots 5$		
5. Sutures of antennal club straight to moderately procurved, segment 1 not noticeably		
$reduced\ in\ size\ ;\ elytral\ declivity\ convex\ ;\ from\ Central\ and\ North\ America\$		
— Sutures of antennal club moderately to strongly procurved, segment 1 distinctly		
smaller; elytral declivity flattened; from Chile		
Subfamily Scolytoplatypinae		
Tribe Scolytoplatypodini		
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One genus *Scolytoplatypus* SCHAUFUSS, found on imported logs from Taiwan and Borneo.

Family Platypodidae

Key to the Subfamilies

1. Antennal funicle 2-segmented, club compressed, basal area corneous, its distal margin reaching apical third of club; pronotum without median sulcus; eye large, oval, not

strongly rounded
— Antennal funicle 4-segmented; antennal club entirely pubescent or not; pronotum
usually with median sulcus (without in Spathidicerus); eyes circular or elongate 2
2. Anterior coxae more widely separated; eye circular, strongly rounded; outer face of
protibia armed by many teeth, sometimes with transverse carinae in both sexes
Autorian access continuous to marrowly consented, outon foca of matibia, at least in
— Anterior coxae contiguous to narrowly separated; outer face of protibia, at least in
male armed by a variable number of transverse carinae (except one species of <i>Spathidicer</i> -
us)
3. Eye more elongate, flattened; basal area of antennal club corneous
Periommatinae
— Eye circular, strongly rounded; antennal club entirely pubescent, corneous area
usually not evident
least partly replaced by granules; femoral grooves of pronotum angulate at anterior
extremity and gently rounded behind; pronotum without special pores or patch of punc-
tures in both sexes
Outer face of protibia similar in both sexes, armed by a variable number of transverse
carinae; femoral grooves of pronotum distinct or not; pronotum either with or without
special pores or patch of punctures
opecial poloc of parent of parietates in the first terms of the first ter
Subfamily Crossotarsinae
One genus Crossotarsus Chapuis, found on imported logs from Southeast Asia and New
Guinea areas.
Subfamily Platypodinae
Key to the Genera
1. Femoral grooves of pronotum very broad and shallow, not angulate at either extrem-
ity 2
 Femoral grooves of pronotum angulate at posterior extremity, sometimes also in
front
2. Elytra abruptly declivous behind, declivity short, steep, apical margin not rounded
and with apical processes in male; from Borneo
Elytra gently declivous behind, apical margin broadly rounded and without apical
processes in both sexes
3. Antennal scape broad, subtriangular; from not deeply concave in both sexes; from
Africa
— Antennal scape not broad, cylindrical; from of female deeply concave; from
Africa
4. Femoral grooves of pronotum angulate at anterior extremity; elytra, at least in male, longitudinally horizontal and without a distinct vertical apical rim; from Southeast

³⁾ Platytarsilinae including 3 genera, those antennal funicle consisting 2- to 4-segments.

Asia and New Guinea areas
- Femoral grooves of pronotum angulate at posterior extremity (rarely indistinct),
sometimes also angulate in front but never only angulate in front; elytra declivous behind
or longitudinally horizontal
5. Elytra of male usually at least weakly declivous toward apex, rarely longitudinally
horizontal and then provided with a vertical apical rim
— Elytra, at least in male, longitudinally horizontal (weakly declivous behind in
Mesoplatypus) and without a distinct vertical apical rim
6. Frons of female broadly, deeply concave; antennal club large, feebly asymmetrical;
from Borneo
 Frons of female usually flattened, never deeply concave; antennal club variable;
from almost throughout the world (except frigid zones)
7. Abdominal sternites of male, at least 2nd, 3rd and 4th vertical, 2nd, conspicuously
large; from Africa
— The 2nd, 3rd and 4th abdominal sternites of male ascending, not vertical, 2nd, normal
size
8. Abdominal sternites of male variously armed by teeth or spines; frons without grooves in both sexes; from Africa
— Abdominal sternites unarmed in both sexes; from of female with a groove in each of
antero-lateral angles; from Africa
antero lateral angles, from fiffica
Subfamily Periommatinae
Subfamily Periommatinae Key to the Genera
Key to the Genera
Key to the Genera 1. Femoral grooves of pronotum angulate at posterior extremity and gently rounded
Key to the Genera 1. Femoral grooves of pronotum angulate at posterior extremity and gently rounded front; basal corneous area of antennal club large, its distal margin reaching middle of
Key to the Genera 1. Femoral grooves of pronotum angulate at posterior extremity and gently rounded front; basal corneous area of antennal club large, its distal margin reaching middle of club; pronotum with median sulcus; outer face of protibia with several transverse car-
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Key to the Genera 1. Femoral grooves of pronotum angulate at posterior extremity and gently rounded front; basal corneous area of antennal club large, its distal margin reaching middle of club; pronotum with median sulcus; outer face of protibia with several transverse carinae; from Africa
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Key to the Genera 1. Femoral grooves of pronotum angulate at posterior extremity and gently rounded front; basal corneous area of antennal club large, its distal margin reaching middle of club; pronotum with median sulcus; outer face of protibia with several transverse carinae; from Africa
Key to the Genera 1. Femoral grooves of pronotum angulate at posterior extremity and gently rounded front; basal corneous area of antennal club large, its distal margin reaching middle of club; pronotum with median sulcus; outer face of protibia with several transverse carinae; from Africa
Key to the Genera 1. Femoral grooves of pronotum angulate at posterior extremity and gently rounded front; basal corneous area of antennal club large, its distal margin reaching middle of club; pronotum with median sulcus; outer face of protibia with several transverse carinae; from Africa
Key to the Genera 1. Femoral grooves of pronotum angulate at posterior extremity and gently rounded front; basal corneous area of antennal club large, its distal margin reaching middle of club; pronotum with median sulcus; outer face of protibia with several transverse carinae; from Africa
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1. Femoral grooves of pronotum angulate at posterior extremity and gently rounded front; basal corneous area of antennal club large, its distal margin reaching middle of club; pronotum with median sulcus; outer face of protibia with several transverse carinae; from Africa

Subfamily Platytarsilinae

One genus Platytarsulus Schedl, found on imported logs from Philippines, Sumatra and

Borneo.

Literature cited

- Bright, D.E. Jr. (1968) Review of the tribe Xyleborini in America north of Mexico. Canadian Ent. 100: 1288-1323.
- Bright, D.E. Jr. (1976) The bark beetles of Canada and Alaska, Coleoptera: Scolytidae. Res. Br., Canada Dept. Agric. Pub. 1576: 1-241.
- Browne, F.G. (1961) Taxonomic notes on Platypodidae. Ann. Mag. Nat. Hist. (13) 4: 641-656.
- Browne, F.G. (1972) Some oriental Scolytidae and Platypodidae. Oriental Insects 6(1): 19-32.
- HOPKINS, A.D. (1915) Classification of the Cryphalinae with descriptions of new genera and species. U.S.Dept. Agric. Rept. 99: 1-75.
- Nobuchi, A. (1971) Key to the subfamilies, tribes and genera of Japan. Bull. Gov. For. Exp. Sta. 238: 149-164.
- Nobuchi, A. (1978) Ambrosia beetles found in imported tropical timbers from Southeast Asia and others. Bull. For. & For. Prod. Res. Inst. 301: 1-46.
- Schedler, K.E. (1969) Bark-beetles and pin-hole borers intercepted from imported logs in Japanese port III. Kontyu 37(2): 202-219.
- Schedler, K.E. (1970) Bark-beetles and pin-hole borers intercepted from imported logs in Japanese port IV. Kontyu 38(4): 358-370.
- Schedl, K.E. (1972) Monographie der Familie Platypodidae. Den Haag, 322 p.
- WOOD, S.L. (1954) A revision of North American Cryphalini. Univ. Kansas Sci. Bull. 36: 959-1089.
- Wood, S.L. (1960) Insect of Micronesia, Coleoptera: Platypodidae and Scolytidae. Ins. of Micronesia, B.P.Bishop Mus. 18: 1-73.
- Wood, S.L. (1978) A reclassification of the subfamilies and tribes of Scolytidae (Coleoptera). Ann. Soc. Ent. France 14: 95-122.
- Wood, S.L. (1982) The bark and ambrosia beetles of North and Central America (Coleoptera; Scolytidae), a taxonomic monograph. Gre. Bas. Nat. Mem. 6: 1-1359.

摘 要

輸入木材から発見されたキクイムシ科及び ナガキクイムシ科の研究 第1報 亜科、族、属の検索表

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我が国は世界で最大の木材輸入国で、北アメリカ、ソ連、東南アジア、ニューギニアとその周辺地域、熱帯西アフリカ、ニュージーランド及びチリーなどから多種類の木材を多量に輸入している。

これら輸入木材の植物検疫で発見される害虫の 種類は膨大な数に上っているが、中でもキクイム シ科、ナガキクイムシ科に属する害虫が個体数、種 類ともに圧倒的に多い。

本報は、これらキクイムシ科とナガキクイムシ 科について、同定の参考資料とするため、長年に わたる植物検疫で発見採集されたキクイムシ科 4 亜科 23 族 77 属及びナガキクイムシ科 4 亜科 15 属について、キクイムシ科では亜科、族、属、ナガキクイムシ科では、亜科、属の検索表を作成した。

キクイムシ科の亜科、族、属及びナガキクイムシ科の亜科、属の分類方法は、手許の標本のデータを検討して、従来から多くの専問家が用いている方法によったが、キクイムシ科の Cryphalini族、Dryocoetini族及び Xyleborini族などに所属する属の取扱いは難しく、専問家の間でも意見が分れており、今後大いに研究されなければならない。また、Bothrosternoides 属は検討した結果既知の族に含めることができなかったほか、Eidophelus 属の取扱いは今後検討を要する。