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NEW GENERA AND NEW GENERIC SYNONYMIES IN SCOLYTIDAE (COLEOPTERA)

Stephen L. Wood

ABSTRACT.—New generic synonymy in the world fauna of Scolytidae includes: Acanthotomius Blandford (= Isophthorus Schedl), Aceratus Broun (= Chlaenothorax Fuchs, Chlaenothorites Fuchs), Cosmoderces Eichhoff (= Erioschis Schedl), Emerophorius Berger (= Emeroporus Balachowsky), Emerophorus Thomson (= Euphilus Schedl), Hydradectonus Schedl (= Xylegenius Schedl), Ozopemon Hagedorn (Dryococetes Schedl), Scolytogens Eichhoff (= Cryphalomorpha Schaffius), Stephanopodius Schedl (= Cryptophloeonites Brownie), and Xylechinus Chapuis (= Synamusculus Nüemberg). Genera new to science and their type-species include: Anaxylychontius (Tomicus transcatus Erichson), Apoxyleborus (Xyleborus manicus Blandford), Cryptophloeonites (Cryptophloeonites euphorbiace Wood), Eremocius (Cryptophloeonites corporulentus Sampson), Hadrodenius (Xyleborus globus Blandford), Leptoxyleborus (Phloeotrogus sordicandala Motschulsky), Microperus (Xyleborus thae Eggers), Taphrodasus (Xyleborus percornutus Schedl), and Taurodenus (Xyleborus sharpi Blandford). The new name Hydradectonus corticinus is presented to replace H. araucariac (Schedl 1972). Dryococetes coffeae Eggers is transferred to Eulepiops. The following genera are treated in a revised context: Cryptogoni, Dryococetes, Eulepiops, Eremocius, Euphorius, Xyleborus, and Xylechinus. Cryptophloeonites euphorbiace and C. exiguus (Sri Lanka) are named as new to science.

In a review of the genera of Scolytidae in the world fauna, several problems that relate to synonymy were encountered. The new synonymy listed in the above abstract is reported here in order that names might be used in their new context before the generic revision is completed. In addition, several genera are treated in a sense somewhat different from the traditional. The basis for these departures is established. The genera are treated alphabetically for convenience of reference. They include representatives from the subfamily Hylesinae, tribe Tomicini (Acratus, Hydradectonus, Xylechinus) and from the subfamily Scolytinae, the tribes Ipini (Acanthotomius), Dryocoetini (Cyrtogenini, Eulepiops, Ozopemon), Xyleborini (Xyleborus), and Cryphalinini (Cosmoderces, Emerophorius, Emeroporus, Scolytogens, Stephanopodius). Nine new genera represent the tribes Xyleborini (Acanthotomius, Dryocoetinae, Apoxyleborus, Hadrodenius, Leptoxyleborus, Microperus, Taphrodasus, Taurodenius) and Cryphalinini (Cryptophloeonites, Eremocius). Xylechinus Schedl is removed from synonymy with Pteleobius. The new name Hydradectonus corticinus is presented to replace the junior homonym H. araucariac (Schedl 1972). The species Cryptophloeonites euphorbiace and C. exiguus (Sri Lanka) are named as new to science.

Acanthotomius Blandford

Acanthotomius Blandford, 1894, Trans. Ent. Soc. London 1894:89 (Type-species: Acanthotomius spinus Blandford, monobasic)
Isophthorus Schedl, 1938, Archiv Naturgesch. 72(2):173 (Type-species: Isophthorus quadrinuberculatus Schedl, present designation). New synonymy

In the original description of Isophthorus Schedl, two species were definitely included and a third species was doubtful, but a type-species was never designated. Since then, Schedl has transferred all three species elsewhere. To anchor the generic name, Isophthorus quadrinuberculatus Schedl is here designated as the type-species of Isophthorus. Because this species and Myceloborus bicocicus Schedl have been transferred to Acanthotomius and the unrelated, doubtful species, Pityophthorus heveae Hagedorn, has been transferred to Cryptocareus, the fixation of a type-species requires that Isophthorus be placed in synonymy under Acanthotomius.

1Life Science Museum and Department of Zoology, Brigham Young University, Provo, Utah 84602. Scolytidae contribution number 69.
Acrantus Broun

_Homarus_ Broun, 1881. Manual of New Zealand Coleoptera 2:729. Type-species: _Homarus mundulus_ Broun, monobasic: _Preoccupied_.

_Acrantus_ Broun, 1852. Ann. Mag. Nat. Hist. 5:9-409. Replacement name.

_Chaetoptelius_ Fuchs, 1912. Morphologische studien über Borkenkäfer. II. die europäischen Hylesinum, p. 46. Type-species: _Hylesinus vestitus_ Mulsant & Rey, monobasic: _Preoccupied_.

_Chaetoptelius_ Fuchs, 1913. in Bitter. Wiener Ent. Zeit. 32:Beihelt 43. Replacement name. New synonymy.

The names _Acrantus_ Broun and _Chaetoptelius_ Fuchs have been treated as synonyms of _Pteleobius_ Bedel (Schedl 1963:262) and _Pseudohylesinus_ Swaine (Schedl 1966:75), respectively. However, in a review of the characters of the type-species of these genera, it was demonstrated (Wood 1978) that _Pteleobius_ must be placed in the tribe Hylesinini and that _Chaetoptelius_ and _Pseudohylesinus_ belong in the tribe Tomicini. For that study, Schedl’s (1963:262) placement of _Acrantus_ was not challenged.

In a subsequent review of the genera of Tomicini, dissection demonstrated that _Homarus mundulus_ Broun, type-species of _Acrantus_, clearly belongs to the Tomicini and is quite unrelated to _Pteleobius_. Furthermore, _Pseudohylesinus_ totally lacks prontal asperities, it has three distinct sutures on the antennal club, and the male frons is not noticeably impressed. _Acrantus, Chaetoptelius, and Xylechinosomus_ all have numerous prontal asperities, two or four poorly marked sutures on the antennal club, and the male frons strongly impressed and, thus, form a group quite distinct from _Pseudohylesinus_. _Xylechinosomus_, which Schedl (1966:75) also placed in synonymy with _Pteleobius_, has the antennal club less elongate, less strongly compressed, and (apparently) with four obscure sutures and the frontal rectangle much more elongate. _Acrantus_ and _Chaetoptelius_ have the antennal club more elongate, strongly flattened, and marked by two sutures and the frontal rectangle comparatively broad. Biological differences also support the continued recognition of _Xylechinosomus_. However, I can find no characters that separate _Acrantus_ and _Chaetoptelius_. For this reason, _Chaetoptelius_ is placed in synonymy under _Acrantus_, as indicated above.

_Acrantus_ includes _mundulus_ and _vestitus_, cited above, and most if not all of the species from New Zealand, Australia, New Guinea, and neighboring areas placed by Schedl in _Leperisinus_ and _Xylechinus_.

_AnaXyleborus_, n. gen.

This genus is distinguished from _Euvallacea_ Hopkins and allied genera by the truncate, concave elytral declivity which has a complete, sharply elevated, circumdeclivital costa from base to apex. The discal interstitial punctures are uniseriate; in the superficially similar _Apoxyleborus_ they are confused.

Description.—Antennal club with one suture visible on posterior face, anterior face with segment 1 corneous, 2 conspicuous, sometimes rather large. Procoxae contiguous. Protibia armed by more than 11 socketed teeth. Declivity and discal punctures on interstriae as described in above diagnosis.

Type-species: _Tomicus truncatus_ Erichson. Species assigned previously to the _Xyleborus truncatus_ group belong here.

_Apoxyleborus_, n. gen.

This genus is distinguished from _Taurodenus_ by the presence of only four to seven socketed teeth on the protibia, by the obliquely truncate elytral declivity, with an abrupt (not acute) circumdeclivital costa, and the face flat to weakly concave. It is distinguished from the superficially similar _AnaXyleborus_ by the rather widely separated procoxae, by the strongly confused interstitial punctures on the disc, and by the less distinctly concave elytral declivity.

Description.—Body stouter than 1.9 times as long as wide. Antennal club with segment 1 corneous, with no sutures evident on posterior face, apical margin of segment 1 on anterior face acutely elevated into a continuous costa forming a complete circle. Procoxae moderately separated. Protibia armed by four to seven socketed teeth. Elytral disc with interstitial punctures strongly confused, declivity as described in above diagnosis.

Type-species: _Xyleborus mancus_ Blandford.
Species assigned previously to the Xyleborus mancus group belong here.

**Cosmoderes Eichhoff**

*Cosmoderes Eichhoff, 1878, preprint of Mém. Soc. Roy. Sci. Liége (2)8:495 (Type-species: *Cosmoderes monilicollis* Eichhoff, monobasic)*

*Erioschidias* Schell, 1938, Trans. Roy. Soc. S. Australia 62-42 (Type-species: *Cryptalus setistriatus* Lea, subsequent designation by Wood, 1960, Insects of Micronesia 18(1):21). New synonymy

The Beeson Collection at the Forest Research Institute, Dehra Dun, India, contains series of three species that were placed by Beeson in *Cosmoderes*. One, from Samsingh, Kalimpong, Bengal, is labeled *monilicollis* Eichhoff; the other two bear manuscript names not yet validated. Beeson’s private notes, of which two volumes treating Scolytidae are in my possession, contain no indication under this name that he saw the type of *monilicollis*. However, elsewhere in his notes there are several indications that he saw the Eichhoff Collection at Hamburg before it was destroyed during World War II. Blandford also saw the Eichhoff Collection, but there is some doubt (Blandford 1894:56) that he actually examined the type of *monilicollis*.

Both the Beeson and Blandford specimens are congeneric with *Erioschidias* Schell. Beeson’s specimens of *monilicollis* match the distinctive characters of Eichhoff’s description in every detail. It is, therefore, proposed that *Erioschidias* be placed in synonymy under Eichhoff’s name, as indicated above.

**Cryptalgones, n. gen.**

This genus is distinguished from the closely allied *Scolytogenes* Eichhoff by the 3-segmented antennal funicle, by the antennal club with sutures 1 and 2 weakly procurred, marked by setae, and 1 groove and partly septate, and by the horizontal venter of the abdomen.

**Description.**—Frons convex, not sexually dimorphic. Eye elongate-oval, entire. Antennal scape elongate, simple; funicle 3-segmented; club oval, a slight constriction and groove at suture 1, sutures 1 and 2 moderately procurred, 1 partly septate at least on lateral half. Pronotum with basal and lateral margins marked by a fine, raised line; anterior slope asperate, anterior margin armed by low, poorly formed serrations. Elytral punctures largely replaced by rows of rounded strial and interstitial granules; vestiture of rows of strial hair and interstitial scales. Protibia armed by four socketed teeth. Venter of abdomen horizontal. Sexes subequal in size.

Type-species: *Cryptalgones euphorbiæ* Wood.

*Cryptalgones euphorbiæ, n. sp.*

This species is distinguished from *exiguus* Wood by the larger size, by the absence of reticulation of the pronotum (except in extreme lateral areas of some specimens), and by the comparatively smaller pronotal and elytral granules.

**Male.**—Length 1.2–1.4 mm, 2.3 times as long as wide; color dark brown.

Frons broadly convex, very feebly so on longitudinal axis; surface largely reticulate, minute punctures moderately, uniformly abundant, most of them feebly granulate. Antennal club slightly longer than scape.

Pronotum 1.0 times as long as wide; sides almost straight and parallel on basal third, rather broadly rounded in front; anterior margin armed by about four to six irregular, poorly formed serrations; summit near middle; anterior slope rather coarsely asperate, punctured between asperities; posterior areas smooth, shining (except some reticulation present in extreme lateral areas of some specimens), with close, moderately large, rounded granules, anterior slope of each granule bearing a puncture (punctures usually visible only when light source cephalad). Vestiture of fine, short, semirecumbent hair.

Elytra 1.3 times as long as wide, 1.4 times as long as pronotum; sides almost straight and parallel on basal two-thirds, rather broadly rounded behind; striae not impressed, each puncture largely replaced by a large rounded granule as wide as stria, puncture confined to posterior slope of each granule; interstriae as wide as striae, smooth, shining, punctures largely replaced by rounded granules of same size and shape as those of striae. Declivity steep, convex; sculpture as on disc. Vestiture of rows of fine, short, strial hair and rows of
erect interstitial scales, each scale slightly shorter than distance between rows, spaced within a row by length of scale, each four to six times as long as wide on disc, two to four times on declivity.

Female.— Similar to male in all respects.

Type locality.— Thirty km southeast of Puttalam, Sri Lanka (Ceylon).

Type material.— The male holotype, female allotype, and 34 paratypes were taken at the type locality on 18-VI-1975, No. 214, from Euphorbia antiquorum, by me; 28 paratypes bear the same data except they were taken 24 km SE Puttalam. Additional paratypes were taken in Sri Lanka as follows: 21 at 5 km SE Naula, 14-VI-1975; 14 at 48 km N Naula, 14-VI-1975; 2 at 32 km N Habarana, 12-VI-1975; 1 at 8 km SW Kurunegala, 13-VI-1975; and 1 at 11 km W Kikirawa, 19-VI-1975; all from the same host and collector.

The holotype, allotype, and half the paratypes are in the U.S. National Museum. The remaining paratypes are in my collection.

**Cryptalinus exiguus, n. sp.**

This species is distinguished from *Euphorbiae* Wood by the smaller size, by the strongly reticulate pronotum, and by the comparatively larger pronotal and elytral granules.

Male.— Length 0.8-1.0 mm, 2.2 times as long as wide; color dark brown.

Frons as in *Euphorbiae* except more strongly convex, granules smaller, less conspicuous. Antennal club with septum in suture 1 less apparent.

Pronotum as in *Euphorbiae* except reticulate, shining, granules in posterior areas proportionately slightly larger.

Elytra as in *Euphorbiae* except interstitial scales averaging more slender, those on declivity not less than four times as long as wide.

Female.— Similar to male in all respects.

Type locality.— Thirty km southeast of Puttalam, Sri Lanka (Ceylon).

Type material.— The male holotype, female allotype, and 43 paratypes were taken at the type locality on 18-VI-1975, No. 214, from *Euphorbia antiquorum*, by me. Additional paratypes were taken in Sri Lanka during 1975 from the same host, by me, as follows: 13 at 24 km SE Puttalam, 17-VI; 5 at 5 km SE Naula, 14-VI; 4 at 48 km N Naula, 14-VI. The specimens were taken in independent galleries in the same stems with *Euphorbiae*.

The holotype, allotype, and half the paratypes are in the U.S. National Museum. The remaining paratypes are in my collection.

**Cytogenius Strohmeyer**

*Cytogenius* Strohmeyer, 1910, Ent. Blätt. 6:127 (Type-species: *Cytogenius bicolor* Strohmeyer, monobasic)

*Cytogenius* Strohmeyer, 1911, Ent. Blätt. 7:116. Valid emendation

*Carpinus* Hopkins, 1915, U.S. Dept. Agric. Rept. 99:9, 47 (Type-species: *Carpinus piini* Hopkins = *Lepicerus nitidus* Hagedorn, original designation)

*Orobiotes* Niisima, 1917, Coll. Essays Y. Nawa, p. 1 (Type-species: *Orobiotes kumatoensis* Niisima, monobasic)

*Metaphylastes* Eggers, 1922, Ent. Blätt. 18:165 (Type-species: *Metaphylastes africanus* Eggers, monobasic)

*Lepicerus* Eggers, 1923, Zool. Meded. Roy. Mus. Nat. Hist. Leyden 7:216 (Type-species: *Lepicerus nitidus* Hagedorn, original designation)

*Taphroborus* Nambeg, 1961, Ann. Mag. Nat. Hist. 133:617 (Type-species: *Taphroborus vaticae* Nambeg, original designation)

Much confusion exists in the literature relative to the identity of this tropical genus. It is characterized by five socketed teeth on the lateral margin of the protibia, by the posterior face of the antennal club with only one suture, sutures on anterior face procurred, with the pubescence extending to the base, by the narrowly separated procoxae, and by the slightly elevated or armed postero lateral margin of the elytral declivity. *Dryoocotes* differs from it by the recurved suture 1 on the antennal club, the pubescence never extending to the base, by the contiguous procoxae, and by the rounded, unarmed, posterolateral margins of the elytral declivity. Both genera are phloeophagous and have heterosanguineous polygonous breeding habits in which the male is subequal in size to the female and assists in the formation of new parental galleries. Both genera have been confused with *Eulepiops* (see below).
Ernocladius, n. gen.

This genus is distinguished from the closely allied Ernoporus Thomson by the 3-segmented antennal funicle, by the uniseriate interstrial setae (interstrial ground vestiture always absent on disc, a few setae sometimes present on declivity), and by the weakly procurved (often obscure) sutures of the antennal club.

Description.—Frons dimorphic, moderately impressed in male, convex in female. Eye elongate-oval, entire. Antennal scape elongate; funicle 3-segmented; club rather large, sutures weakly to moderately procurred, aseptate, marked by rows of setae, grooves present or not. Pronotum with basal margin marked by a fine, raised line, lateral margin rounded, without a raised line; asperities in concentric rows, their bases often contiguous or even reduced to a continuous costa. Elytra with basal margins rounded, strial punctures in rows, sculpture conservative; vestiture of rows of minute strial hair and rows of erect interstrial scales, interstrial ground vestiture absent on disc, a few short setae in ground cover sometimes present on declivity.

Type-species: Cryphalus corpulentus Sampson.

Several additional species will be transferred to this genus as soon as their types can be examined. Schedl (1940:590) assigned Cryphalus corpulentus to Margadillius, apparently without appreciating the significance of the emarginate eye or the fine, raised line on the lateral margin of the pronotum of Margadillius species.

Ernoporicus Berger

Ernoporicus Berger, 1917. Rev. Russie d'Ent. 16:242 (Type-species: Ernoporicus spesitzi Berge, monobasic)

Eocryphalus Kurentzov, 1941. Acad. Sci. USSR, Komarov Sta. Sci., Orient, p. 230 (Type-species: Eocryphalus semiorni Kurentzov, monobasic)

Ernoporus Balachowsky, 1949. Fauna de France 50:211 (Type-species: Ernoporus canarius Lindem., subsequent designation by Wood, 1954. Univ. Kansas Sci. Bull. 36:986). New synonymy

The complex of genera allied to Ernoporus Thomson have been poorly known and erroneously classified, largely due to the paucity of material for study. Following an examination of the type-species of Ernoporicus, Eocryphalus, and Ernoporus, it was concluded that these three congeneric species have the basal and lateral margins of the pronotum rounded (without a fine, raised line), the procoxae narrowly separated, the eye short and entire, the antennal funicle 4-segmented, and the antennal club with the sutures procurred and marked only by setae or obsolete (never septept). Ernoporus kanawae Hopkins of North American and E. fagi (Fabricius) and a few species from Asia also belong here. The genus Ernoporus is quite different, as indicated below.

Ernoporus Thomson

Ernoporus Thomson, 1859, Scandinaviens Coleoptera Synoptiskt Bearbitade, p. 147 (Type-species: Bostrichus tiliae Panzer, original designation)

Cryphalus Reitter, 1889. Wiener Ent. Zeit. 8:94 (Type-species: Cryphalus lederi Reitter = Bostrichus tiliae Panzer, monobasic)

Stephanorhopalus Hopkins, 1915. U.S. Dept. Agric. Rept. 99:35 (Type-species: Stephanorhopalus nulodori Hopkins, amended to meliodori by Schedl, 1946, Ent. Abh. Mus. Dresden 35:19, original designation)

Euptilus Schedl, 1949, Mitt. Münchre Ent. Ges. 30:590 (Type-species: Ernoporus concentralis Eggers, original designation). New synonymy

Ernoporus Thomson has the basal and lateral margins of the pronotum marked by a fine, raised line, the procoxae contiguous, most pronotal asperities arranged in concentric rows, the antennal funicle 4-segmented, the antennal club sutures strongly procurred to obsolete, and the elytral vestiture abundant and confused. Most of the species occur in tropical Asia except for tiliae, the type-species. In a review of the genera belonging to this complex, it was found that Ernoporus concentralis Eggers falls well within the range of variability for Ernoporus. Because concentralis is the type-species of Euptilus Schedl, it is, therefore, necessary to place Schedl's genus in synonymy as indicated above. The structure of the pronotum indicates that this genus is quite distinct from Ernoporicus, as noted above.
Eulepiops Schedl

Eulepiops Schedl, 1939, J. Fed. Malay St. Mus. 18(3):344
(Type-species: Eulepiops glaber Schedl. monobasic)

This genus has been confused with Cyrtogenius Strohmeyer and Dryocoetes Eichhoff. It differs by the protibia bearing only three socketed teeth on the lateral margin, by the posterior face of the antennal club with two sutures indicated, the anterior face with suture 1 straight to recurved and always on the basal fourth. The male is either unknown or dwarfed, deformed, flightless, and does not participate in the formation of new parental galleries. Reproduction is either by consanguineous polygyny or possibly by some form of parthenogenesis. The habit is myelophagy for the only species observed. Dryocoetes coffeae Eggers and its allies belong to this genus.

Hadrodemius, n. gen.

This genus is distinguished from Eccoptopterus Eichhoff by the tibiae being of normal size and all bearing socketed teeth, by the normal metatarsi (not compressed), by the declivity being restricted to the posterior half of the elytra, and by the convex to moderately impressed, unarmcd elytral declivity.

Description.—Body very stout, less than 1.8 times as long as wide, usually black. Antennal club with posterior face unmarked by sutures, on anterior face costa marking apical margin of corneous area usually forming a complete ring. Scutellum visible only on anterior declivous slope of elytral margins. Declivity and tibiae as described in above diagnosis.

Type-species: Xyleborus globus Blandford.

Members of the Xyleborus globus species group should be referred here.

Hylurdrectonus Schedl

Hylurdrectonus Schedl, 1938, Trans. Roy. Soc. S. Australia 62:10 (Type-species: Hylurdrectonus piniarius Schedl. monobasic).

Xylogopinus Schedl, 1972, Papua New Guinea Agric. J. 23:64 (Type-species: Xylogopinus araucariae Schedl = Hylurdrectonus corticinus Wood, monobasic). New synonymy

A review of long series of Hylurdrectonus piniarius Schedl, H. araucariae Schedl (1964a:213), and Xylogopinus araucariae Schedl indicates the absence of characters that will separate these two genera. Consequently, it is necessary to place Xylogopinus in synonymy under the older name as indicated above. This act creates homonymy as indicated below.

Hylurdrectonus corticinus, new name

Xylogopinus araucariae Schedl, 1972, Papua New Guinea Agric. J. 23:64 (Bulolo, Morobe Distr., New Guinea)

A long series of this species was collected near Bulolo and compared to the holotype and paratypes in the Forest Research Laboratory collection at Bulolo. As indicated above, this species must be transferred to Hylurdrectonus. The transfer makes this species a junior homonym of H. araucariae Schedl, 1964.

The new name Hylurdrectonus corticinus is proposed to replace H. araucariae (Schedl 1972).

Leptoxyleborus, n. gen.

This genus is distinguished from the allied Theoborus Hopkins and Coptoborus Hopkins by the declivity commencing anterior to the middle of the elytra, its lower half broadly impressed and either flat or shallowly concave. If the discal interstrial punctures are miserate, then the declivital surface is densely covered by small, confused scales; if the declivital setae are hairlike, then the discal interstrial punctures are confused.

Description.—Antennal club with two sutures indicated on posterior face, anterior face with segment 2 comparatively large, sclerotized, convex, apical portion beyond segment 2 flat to concave. Protibiae and metatibiae each armed by six or seven socketed teeth. Anterior coxae contiguous. Scutellum visible. Declivity as described in above diagnosis.

Type-species: Phloeotrogus sordicanda Motschulsky.

Other species placed previously in the Xyleborus sordicauda group also belong here.

Micoferus, n. gen.

This genus is distinguished from Taphrodonus Wood by the convex elytral declivity that lacks a circumdeclivital costa, by the ab-
sence of declivital scales, and by the stria
t punctures that are arranged in definite rows.

**Description.**—Body slender, at least two
times as long as wide, color yellowish or red-
dish brown. Posterior face of antennal club
with at least one suture visible, apical margin
of corneous area never costate. Scutellum not
visible. Strial punctures usually in rows. De-
clivity convex, variously sculptured, without a
costa.

**Type-species:** *Xyleborus theae* Eggers.

Members of the *Xyleborus theae* species
group should be referred here. The name *Mi-
croperus* was originally coined by F. G. 
Browne for this group for use in an unpub-
lished manuscript a decade ago.

**Ozopemon Hagedorn**

Ozopemon Hagedorn, 1908, Deutsche Ent. Zeitschr.
1908:382 (Type-species: *Ozopemon regius* Hage-
dorn, monobasic).

Dryocoetiosis Schell, 1937, Ann. Mus. Roy. Congo Belge,
Tervuren, Ser. 8, Sci. Zool. 56:13 (Type-species:
*Ozopemon lacris* Strohmeyer, monobasic). New
synonym

A series of *Ozopemon lacris* Strohmeyer was
compared to Eggers's series of this spec-
ies and to representatives of eight species of
*Ozopemon*. Although the sculpturing of the
pronotum is somewhat unique for the genus,
this species appears to fall well within the
limits of variability for *Ozopemon*. For this
reason, Dryocoetiosis is placed in synonymy
as indicated above.

**Scolytogenes Eichhoff**

Scolytogenes Eichhoff, 1878, preprint of Mém Soc. Roy.
Sci. Liège (2B:475, 497 (Type-species: *Scolyt-
ogenes darcini* Eichhoff, monobasic).

Cryphalomorphus Schaufluss, 1890 (1891), Tijdschr. Ent.
34:12 (preprint 1890 by Martinus Nijhoff, Hagg)
(Type-species: *Cryphalomorphus communis* Schau-
fluss, monobasic). New synonym

Eggers (1929:53) examined the type-speci-
mens of the type-species of *Scolytogenes* and
Lepicerus and compared them to the type-
specimens of *Negritus major* Eggers and *N.
mínor* Eggers. He concluded that *N. major*
and *N. minor* were congeneric with *Scoly-
todes darcini* Eichhoff. The holotype of *S.
darcini* apparently was lost when the Stettin
Museum was damaged during World War II.
In the absence of that type, direct com-
parisons are not now possible; however, if it
is assumed that Eggers was correct in his ob-
servations, then *N. major* and *S. darcini*
are congeneric. My examination of the lecto-
type of *N. major* and syntypes of *N. ater*
(type-species of *Negritus*) demonstrates that
these species are congeneric; consequently,
*Negritus* must be a junior synonym of *Scolytogenes*.

Because *N. major* and *N. ater* are also con-
derered congeneric with *Cryphalomorphus com-
nunis* Schaufluss (type-species of *Cryphalo-
morphus*) (Schell 1957:152), it must also be
concluded that *Cryphalomorphus* is a junior
synonym of *Scolytogenes*.

(Notes added in press: The list of types in
the Schell Collection at the Vienna Museum,
just received, includes the type of *S. darcini*.
It will be examined as soon as arrangements
can be completed.)

**Stephanopodius Schedl**

Stephanopodius Schedl, 1941, Rev. Zool. Bot. Afr. 34:396
(Type-species: *Stephanoderes dispar* Eggers, sub-
sequent designation by Schell, 1961, Rev. Ent.
Mozambique 4:633).

Cryphalomimus Browne, 1962, West African Timber Bo-
zer Research Unit Rept. 5:75 (Type-species: *Hy-
procryphalus ghanensis* Schedl, original designa-
tion)

Cryphalomimitetes Browne, 1963, Ann. Mag. Nat. Hist.
(13)6:242, (Replacement name). New synonym

When Schell named *Hypocryphalus gha-
ensis* and then later (Schell 1964b:305) 
transferred this species from *Cryphalomimu-
ites* back to *Hypocryphalus*, he overlooked
some very important characters. In this spec-
ies and in *Stephanopodius*, the basal margin
of the pronotum bears a fine, raised line, but
the lateral margin is rounded and lacks the
fine, raised line of *Hypocryphalus*. In addi-
tion, the antennal club is quite different from
*Hypocryphalus*. The species *ghanensis* is
congeneric with *Stephanopodius dispar* (Egg-
ers) and, as indicated above, should be trans-
ferred to that genus. *Cryphalomimitetes* is,
therefore, a synonym of *Stephanopodius* 
Schell and not of *Hypocryphalus* Hopkins.

**Taphrodisus**, n. gen.

This genus is distinguished from *Micro-
perus* Wood by the confused interstitial punc-
tures, by the presence of scales on the elytral
declivity and by the strongly concave declivity that commences on the basal half of the elytra and is marked on its lateral margins in such a way as to form a blunt, elongate, circumdeclivital costa.

Description.—Body slender, at least 2.0 times as long as wide, color reddish brown. Posterior face of antennal club with one suture visible, apical margin of corneous area never costate. Scutellum not visible. Strial punctures on disc confused. Declivity as described in above diagnosis.

Type-species: *Xyleborus percorthylus* Schedl.

**Taurodemus, n. gen.**

This genus is distinguished from *Xyleborus* Eichhoff by the moderately to rather widely separated procoxae, by the rather stout body, by the presence of 9 to 12 socketed protibial teeth, and by the distinctive sculpture of the sulcate elytral declivity.

Description.—Body stout, less than 1.9 times as long as wide. Antennal club with segment 1 corneous, without any sutures evident on posterior face, apical margin of segment 1 on anterior face acutely elevated into a continuous costa forming a complete circle. Procoxae moderately to rather widely separated. Protibia armed by 9 to 12 socketed teeth. Elytral declivity moderately to very strongly sulcate on at least basal half, lateral margins armed by at least one major spine and several smaller tubercles.

Type-species: *Xyleborus sharpi* Blandford.

The following species are transferred from *Xyleborus* to *Taurodemus: bicornutus* Wood, *ebenus* Wood, (Bostrichus) *flatipes* Fabricius, *godmani* Blandford, *pandulus* Wood, (Amphiacarus) *perebeae* Ferrari, *salvini* Blandford, *sanguinicollis* Blandford, *sharpi* Blandford, *splendidus* Schaufluss, (Bostrichus) *varius* Fabricius, and *varus* Wood.

**Xyleborus Eichhoff**

*Xyleborus* Eichhoff, 1864. Berliner Ent. Zeitschr. 8:57 (Type-species: *Bostrichus monographus* Fabricius, subsequent designation by Hopkins, 1914. Proc. U.S. Nat. Mus. 48:131)

The genus *Xyleborus* Eichhoff, as interpreted in recent years by Schedl, contains more than 1400 nominate species, that is, virtually all the species in the tribe Xyleborini. However, the diversity of characters and habits within this group suggests the existence of several distinct clusters of species and species groups that could and should be characterized as genera. The difficulty in fragmenting the group piecemeal, as has been attempted by some workers, is that when one group is removed and elevated to generic rank, the remainder becomes unclassifiable on a logical, phylogenetic basis. In order to remedy this situation, a classification is being composed, based on such constant features as the location of mycetangia, structure of the antennal club, form and armature of the tibiae, characters of the scutellum, and many other features. A deliberate effort is being made to avoid use of adaptive characters such as the surface sculpturing of the pronotum and elytra.

Tentatively, 27 groups are being given generic status within the Xyleborini. Those described previously include: *Ambrosiodinus* (= *Brounia*, *Phloeotrogus*), *Arixyleborus* (= *Xyleboricus*), *Cnestus* (= *Tosaxyleborus*), *Coptoborus* (= *Streptocranus*), *Cryptoxyleborus*, *Dryocoetoides*, *Eccoptopterus* (= *Eurydactylus, Platydactylus*), *Euwallacea*, *Kallantinus*, *Mesoscolytes*, *Notoxyleborus*, *Premnobius* (= *Premnophilus*), *Pseudoxyleborus*, *Sampsonius*, *Schedlia*, *Theoborus*, *Webbia* (= *Provebbia*, *Pseudovebbia, Xyleborus*), *Xyloborinus*, *Xyleborus* (= *Anecris*, *Anisandrus*, *Boroxylon*, *Bufonus*, *Coptodryas*, *Cyclorrhaphion*, *Heteroborips*, *Heterochoetus*, *Pregenius*, *Terminalinus*, *Xyleborips*), and *Xylosandrus*. The above is mentioned to establish a context into which the seven genera in this tribe, described in this article, can fit. The seven include: *Anaxyleborus*, *Apoxyleborus*, *Hadrodemius*, *Leptoxyleborus*, *Microperus*, *Taphrodasus*, and *Taurodemus*.

**Xylechinus Chapuis**

*Xylechinus* Chapuis, 1869. Synopsis des Scolytides, p. 36 (Type-species: *Deudrococcus pilosus* Knoeh)

*Squamaisinus* Nunberg, 1964. Ann. Hist.-Nat. Mus. Nat. Hungarici, Pars Zool. 56:131 (Type-species: *Squamaisinus chiliensis* Nunberg, original designation). New synonym

When the holotype of *Squamaisinus chiliensis* Nunberg and several allied species
from South American were examined, no characters could be found that distinguish this genus from Xylechinus Chapuis. As nearly as can be determined at the present time, the genus Xylechinus consists of 14 Central and South American, 2 North American, 5 Asian, and 1 European species. Schedl has referred four New Guinean and Australian species to this genus, all of which apparently should be transferred to Acrantus. One African species placed in Xylechinus by Schedl apparently belongs elsewhere.

**Literature Cited**

Blanford, W. F. H. 1894. The Rhynochophorous Coleoptera of Japan. Part III. Scolytidae. Trans. Ent. Soc. London, pp. 53-141.

Eggers, H. 1929. Zur Synonymie der Borkenkäfer (Ipidae, Col.). Wiener Ent. Zeit. 46:41-55.

Schedl, K. E. 1940. Zur Einteilung und Synonymie der Cryptalinae (Col. Scolyt.). Mitt. Münchner Ent. Ges. 30:583-591.

———. 1957. Bark- and timber-beetles from South Africa. Ann. Mag. Nat. Hist. (12)10:149-150.

———. 1963. Zur Synonymie der Borkenkäfer IX. Ent. Abb. Mus. Tierk. Dresden 28:257-268.

———. 1964a. On some Coleoptera of economic importance from New Guinea and Australia. Pacific Insects 6:211-214.

———. 1964b. Zur Synonymie der Borkenkäfer X. Reichenbachia 3:303-317.

———. 1966. Neotropische Scolytoidea VIII. Ent. Arb. Mus. Frey 17:74-128.

Wood, S. L. 1978. A reclassification of the subfamilies and tribes of Scolytidae (Coleoptera). Ann. Soc. Ent. France (N.S.), 14:95-122.