ON SOME COLEOPTERA OF ECONOMIC IMPORTANCE
FROM NEW GUINEA AND AUSTRALIA

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Abstract: Seven species of Bostrychidae, 11 Brenthidae, 6 Scolytidae, and 5 Platypodidae are listed, including 2 new species of Scolytidae (Hylurdoctonus, Xyleborus).

Dr. J. J. H. Szent-Ivany, Senior Entomologist of the Dept. of Agriculture, Stock and Fisheries, Konedobu, Papua, several times has forwarded some Brenthidae, Scolytidae and Platypodidae for identification. Other specimens of Brenthidae and Bostrychidae determined during recent years were received from the National Museum in Victoria and the Museum Frey, Tutzing, Germany. As the greater part of the specimens collected were taken from cultivated plants it seems advisable to publish these new records so that fellow-workers might be able to make use of them in future investigations. Descriptions of 2 new species are also given.

Bostrychidae


Brenthidae


1. 218 Contribution to the morphology and taxonomy of the Scolytoida.
Ectocemus decemmaculatus Montr.: Deutsch Neu Guinea, Bongu, F. Schneider; Deutsch Neu Guinea, Bogia, Wareo and Tumleo, without date, Steyl. Miss. Mus. (Mus. Frey); Deutsch Neu Guinea, Kon, X. 1913, Monumbo, XI. 1913, Steyl. Miss. Mus. (Mus. Frey); Bougainville, Mus. Frey; Finschhafen, Dr. Brehme; Neu Holland, Mus. Frey; Neu Pommern, Herbertshöhle, F. Schneider (Mus. Frey).


Ithystenus spinosus Kleine: Bougainville, Mus. Frey.


Scolytidae

Hylurdectonus araucariae Schedl, n. sp.: New Guinea, Wau, Morobe District, 1200 m, II. 1963, causing severe damage to Hoop-Pine (Araucaria cunninghami) on more than 30 acres of plantation of the Department of Forestry, in needles and bark of branches. Coll. Kevin J. White, Chief of Division of Silviculture, Port Moresby.

Xyleborus banksiae Schedl, n. sp.: West Australia, Dwellingup, 15. IX. 1960, ex Banksia grandis, coll. W. Stahl.


Xyleborus perforans Woll.: Papua, Central District, Sogori Subdistrict, Itikinumu Estate, 500 m, 31. VII. 1963, in tapping area of 8 and 9 years old rubber trees (Hevea brasiliensis), coll. Dr. J. J. H. Szent-Ivany, L. Smeee & E. Kanjiri.


Platypodidae

Crossotarsus biconcavus Schedl.: NE New Guinea, Goroka, Eastern Highlands District, 1560 m, 2. X. 1957, borer in Albizzia stipulata shade tree in Coffea arabica plantation, R. S. Carne.


Platypus solidus Walk.: Papua, Central District, Sogeri Subdistrict, Itikinumu Estate, 500 m, 31. VII. 1963 found in tapping area of 9 years old rubber trees (Hevea brasiliensis), coll. Dr. J. J. H. Szent-Ivany, L. Smee & E. Kanjiri.

Hylurdrectonus araucariae Schedl, n. sp.

Piceous shining, 1.56-1.66 mm long, ca 3X as long as wide. Allied to Hylurdrectonus piniarius Schedl but without the classical sexual dimorphism, with a short reddish brown pubescence and without a scale-like vestiture on the elytral declivity.

Front plano-convex, densely rather finely punctured, from the punctures arising short downward directed pale hairs. Pronotum as long as wide, appearing more slender on account of its outline, postero-lateral angles rectangular, feebly rounded, the sides fairly straight on little more than basal 1/2, very broadly rounded in front, subapical constrictions indicated; surface feebly convex in both directions, densely and rather coarsely punctured, the punctures bearing short semi-erect brownish hairs. Scutellum very small, knob-like. Elytra distinctly wider (18 : 15) and 2X as long as pronotum, the sides parallel on the basal 1/2, thence gradually incurved, apex rather broadly rounded, declivity commencing in the middle, gradually convex; disc somewhat shining, with densely placed rows of medium sized punctures so that it is quite difficult to distinguish between those of the main striae and such originating on the interstices, all punctures bearing very short semi-erect hairs, those of the main striae being somewhat more inclined; on the declivity the pubescence is feebly longer, the striae 1 & 2 somewhat more impressed.

Types in the collection of the Dept. of Agriculture, Stock and Fisheries, Port Moresby and in my collection.

Locality: New Guinea, Wau, Morobe District, 1200 m, II. 1963, causing severe damage to Hoop-Pine (Araucaria cunninghami) on more than 30 acres of plantation of the Department of Forestry, in needles and bark of branches, Coll. Kevin J. White, Chief of Division of Silviculture, Port Moresby.

Xyleborus banksiae Schedl, n. sp.

♀: Shining, pronotum reddish brown, elytra distinctly darker, 3.2 mm long, 2.4X as long as wide. Allied to Xyleborus truncatiformis Egg. but the elytra more coarsely punctured, the declivital face distinctly convex and with rows of very coarse punctures.

Front broadly convex, opaque, minutely punctulate, intermixed with some fine punctures above and more densely finely granulate-punctate below, with fine short pubescence, Pro-
notum about as long as wide, postero-lateral angles rectangular and somewhat rounded, sides parallel on basal 1/2, apex broadly rounded, subtransverse in middle so that the antero-lateral angles are quite distinct; summit very high, situated somewhat before center, anterior area steeply convex, dull, densely covered by very small asperities, some very low ones along the anterior margin, basal area subshining, minutely punctulate and finely, rather remotely punctured, sparsely pubescent on anterior 1/2 and sides. Scutellum shining, wider than long. Elytra very feebly wider and 1.6 X as long as pronotum, widest near the very broadly rounded apical margin, the sides straight, apical margin abruptly incurved, declivity restricted to apical 1/3 of elytra, steeply truncate; disc shining, with rather regular rows of medium sized densely placed punctures in hardly impressed lines, the interstices wide, each one with an irregular row of punctures of about the same size than those of the main striae, these punctures somewhat smaller near base; declivity shining, feebly depressed just below the acute margin in upper 1/2, distinctly and broadly convex below, striae 1–3 deeply impressed and with extremely coarse punctures, especially on the striae 1–2, interstices 2 narrow, with a few fine punctures, sutural interstices narrow and with a dense row of fine setose granules, interstices 3 & 4 wide, with scattered very fine punctures bearing medium long fine hairs.

Holotype and 1 paratype in the British Museum (Nat. Hist.), 1 paratype in my collection.


RECENT LITERATURE ON PACIFIC INSECTS

Hymenoptera


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