

**THE BARK AND TIMBER BEETLES OF ISRAEL - II.**  
**328. CONTRIBUTION TO THE MORPHOLOGY AND TAXONOMY OF**  
**THE SCOLYTIDAE**

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ABSTRACT

Records are given of 15 species of Scolytidae from various host plants in Israel, and of 10 species which were intercepted on imported logs from the U.S.A. and Denmark. Description is presented of *Thamnurgus orientalis* n. sp. collected from *Cotoneaster* sp. in Israel.

In my first contribution to the knowledge of bark and timber beetles of Israel (Schedl, 1969) I presented the history of studies on this subject together with a list of species recorded from Israel.

Since then numerous collections of these beetles have been made in Israel - on local host plants and on imported logs - by Dr. J. Halperin, Division of Entomology, Agricultural Research Organization, Ilanot, Israel. The material collected by Dr. Halperin was referred to me for study, and this paper presents the results of these studies.

Wherever two dates are mentioned in the following lists, the first date indicates the time of collection of the infested material, the second (in parenthesis) - the emergence date of adults.

## LIST OF SPECIES COLLECTED FROM ISRAELI HOST PLANTS

- Scolytus amygdali* Guérin  
Golan, Mughar Sheva, 5.III.1968 (29.V.1968), ex  
*Amygdalus communis*.
- Scolytus rugulosus* ssp. *mediterraneus* Eggers  
Kabri, 1.VII.1973 (5.VI.1974), ex *Pyracantha* sp.
- Blastophagus piniperda* L.  
Barkai, 14.II.1971 (5.III.1971), ex *Pinus brutia*.  
Hod Hasharon, 22.IV.1975 (1.V.1975), ex *Pinus pinea*.
- Hylurgus micklitzii* Wachtl  
Atlit, 28.V.1975, ex *Pinus halepensis*.  
Beer Sheva, 23.III.1976, ex *Pinus halepensis*.
- Phloeosinus aubei* Perris  
Ilanot, Sharon, 27.XII.1963 (6.VI.1964), ex *Taxodium  
distichum*.
- Hypoborus ficus* Erichson  
Hagoshrim, 22.VI.1974, ex *Ficus carica*.
- Cisurgus maurus* Eggers  
Urim, 24.IX.1973 (10.III.1974), ex *Tamarix aphylla*.  
Ilanot, Sharon, 6.IX.1975, ex *Lantana camara*.
- Crypturgus mediterraneus* Eggers  
Luzit, 20.II.1969, ex *Pinus halepensis*.
- Thamnurgus orientalis* n.sp.  
En Dor, 15.XII.1966, ex *Cotoneaster* sp.
- Hypothenemus eruditus* Westwood  
Miqwe Yisrael, 25.XII.1960 (1.VI.1961), ex *Brachychiton  
populneum*  
En Shemer, 1.IX.1963 (9.X.1963), ex *Ulmus* sp.  
Neot Mordechai, 15.XII.1963 (29.III.1964), ex *Populus  
angulata*.  
Ilanot, Sharon, 5.I.1964 (9.III.1964), ex *Populus* sp.  
Ilanot, Sharon, 2.IV.1965, ex *Morus alba*.  
Tel Aviv, 4.VI.1973 (25.IX.1973), ex *Ceratonia siliqua*.  
Ramat Yochanan, 28.V.1975 (9.VI.1975 and 22.VI.1975), ex  
*Ulmus* sp.  
Ilanot, Sharon, 6.VII.1975, ex *Jasminum mesnyi*

*Hypothenemus leprieuri* Perris

Ilanot, Sharon, 9.VIII.1968 (1.IX.1968), ex *Pinus radiata*.

Ramat Yochanan, 28.V.1975 (7.VI.1975), ex *Ulmus* sp.

*Pityophthorus pubescens* Marsham

Nir Etsyon, 9.VIII.1964 (17.VIII.1964), ex *Pinus halepensis*.

Ilanot, Sharon, 9.VIII.1968., (17.IX.1968) ex *Pinus radiata*.

*Pityogenes calcaratus* Eichhoff

Ilanot, Sharon, 27.XII.1966 (2.IV.1967), ex *Pinus radiata*.

*Xyleborus saxeseni* Ratzeburg

Oranim, 27.XI.1959 (28.III.1960), ex *Ceratonia siliqua*.

*Platypus solidus* Walker

Tel Aviv, 20.IX.1973, ex *Ceratonia siliqua*.

LIST OF SPECIES INTERCEPTED AT ASHDOD HARBOUR ON LOGS  
IMPORTED FROM FOREIGN COUNTRIES

*Dendroctonus frontalis* Zimmermann

12.4.74 (20.V.1974), ex *Pinus* sp. from Indiana U.S.A.

*Dendroctonus ponderosae* Hopkins

12.IV.1974 (15.IV.1974), ex *Pinus* sp. from Indiana U.S.A.

*Blastophagus piniperda* L.

6.VI.1971 (17.VI.1971), ex *Pinus silvestris* from Denmark.

*Hylurgops palliatus* Gyllenhal

6.VI.1971 (13.VI.1971), ex *Picea excelsa* from Denmark.

*Hylurgus micklitzi* Wachtl

6.VI.1971, ex *Pinus silvestris* from Denmark.

One adult was found, therefore it is probable that it originated from Israel.

*Crypturgus borealis* Swaine

12.IV.1974, ex *Pinus* sp. from Indiana U.S.A.

*Pityogenes chalcographus* L.

6.6.71 (13.VI.1971) ex Coniferae from Denmark.

*Orthotomicus caelatus* Eichhorn

12.IV.1974 (20.V.1974), ex *Pinus* sp. from Indiana U.S.A.

*Ips calligraphus* Germar

12.IV.1974 (18.4.1974), ex *Pinus* sp. Indiana U.S.A.

*Xyloterus lineatus* Olivier

6.VI.1971 (16.VI.1971), ex Coniferae from Denmark.

#### DESCRIPTION OF A NEW SPECIES

*Thamnurgus orientalis* n.sp.

Reddish brown, length 1.8 mm, 2.7 times as long as broad. Somewhat allied to *Thamnurgus brylinksi* Reitter but the pronotum more cylindrical, summit situated a little before the centre, disc rather finely and densely punctate and the punctation of the elytra distinctly finer.

*Front* feebly convex, shining, densely and rather finely punctate.

*Pronotum* slightly longer than wide, postero-lateral angles rectangular, sides subparallel on the basal two fifths, apex broadly rounded; surface glabrous, convex from base to apex, more distinctly so on the anterior two fifths, finely and very densely punctate and the small interspaces minutely punctulate. Scutellum difficult to recognize.

*Elytra* slightly wider and 1,8 times as long as the pronotum, sides parallel on the basal two thirds, apex broadly rounded, declivity convex beginning shortly behind the basal half of the elytra; disc fairly shining, densely and finely rather irregularly punctate; declivity convex above, more sloping behind, somewhat aplanate from side to side, suture slightly elevated, entire declivity shining, covered with dense punctation distinctly coarser than that of the disc; interstices formed by regular rows of bearing medium long semierect setae.

Described from the holotype only, Israel, Ein Dor, 15.XII.1966, ex *Cotoneaster* sp., coll. J. Halperin. The holotype is deposited in the collection of the Division of Entomology, Agricultural Research Organization, Ilanot, Israel.

## REFERENCES

- Schedl, K.E. 1969. The bark and timber beetles of Israel.  
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