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NOTES

RECORDS OF *AMNEMUS QUADRITUBERCULATUS* (BOH.), *A. SUPERCILIARIS* (PASC.), *PANTOMORUS CERVINUS* (BOH.) AND *GRAPHOGNATHUS LEUCOLOMA* (BOH.) (COLEOPTERA: CURCULIONIDAE) FROM QUEENSLAND

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Amnemus quadrituberculatus (Boh.) and *A. superciliaris* (Pasc.), which are insects native to Australia, are pests of pasture legumes in northern New South Wales (Braithwaite and Jane 1963). *Pantomorus cervinus* (Boh.), a widely distributed species, was first recorded in Australia as *Asynonychus godmani* Crotch, by Gurney 1934, and is a recognised pest of citrus in New South Wales (Hely 1948). *Graphognathus leucoloma* (Boh.), an important pest species with a wide geographical and host range, was first recorded in Australia by Wallace, 1940.

The following notes on Queensland distribution are compiled from the records and collection of the Queensland Department of Primary Industries.

Amnemus quadrituberculatus (Boh.)

A. quadrituberculatus is not an important pest in Queensland.

Records: QUEENSLAND: cotton, *Gossypium barbadense* L., Biloela, 30.xii.1926 (G. A. Currie); Stanthorpe, 23.x.1928 (S. M. Watson); National Park, Tamborine Mt., 10.xii.1933 (H. Hacker); Glasshouse Mts., 6.xii.1937 (A. R. Brimblecombe); *Eucalyptus* sp., weevil on foliage, 27.i.1938 (A. R. Brimblecombe); unidentified legumes, Malanda, May 1940; French bean, *Phaseolus vulgaris* L., Atherton, Feb. 1945; navy bean, *Phaseolus vulgaris* L. var. Michelite, Killarney, 8.v.1946; peach, *Prunus persica* (L.) Batsch., Pinkenba, 27.vi.1948; *Citrus* sp., weevils causing leaf damage on young trees, Byfield, 9.ii.1954 (T. Passlow); Bribie Is.; Tamborine Mt. (W. A. T. Summerville).

Amnemus superciliaris (Pasc.)

A. superciliaris is a serious pest of *Desmodium* species particularly near Gympie.

Records: QUEENSLAND: Canungra, 7.iv.1918; peanut, *Arachis hypogaea* L., weevils feeding on foliage, Loganlea, 14.xii.1933; scarlet runner bean, *Phaseolus coccineus* L., Brisbane, 12.iii.1943; navy bean, *Phaseolus vulgaris* L. var. Michelite, Killarney, 8.v.1946; white clover, *Trifolium repens* L. var. Ladino, in irrigated pasture, larvae attacking roots, Redbank, 7.vii.1961 (B. R. Champ); tick trefoil, *Desmodium uncinatum* (Jacq.) DC., larvae gouging and severing main roots, adult weevils found on foliage or on ground under plant, one generation each year, weevils emerging about November, Gympie, 6.x.1964, 14.x.1964, 23.xii.1964 (J. J. Davis), Kanyan, 13.xi.1964 (J. J. Davis), Glastonbury, 5.xi.1964, 14.xii.1964 (J. J. Davis), Fairymead, 4.ii.1965 (J. J. Davis); *Desmodium intortum* (Mill.) Urb., damage similar to that on previous host plant, Gympie, 6.x.1964 (J. J. Davis).

Pantomorus cervinus (Boh.)

This species is common on citrus foliage in the Nambour district but its importance as a pest of this and other crops is not established.

Records: QUEENSLAND: lemon, *Citrus limon* (L.) Burm. f., weevils chewing leaf blades of young trees, Nambour, 27.i.1956 (W. A. Smith); rose, *Rosa multiflora* Thunb., Stanthorpe, 18.iii.1956 (M. Bengston); avocado, *Persea americana* Mill., weevils damaging foliage, Rochedale, 20.iv.1960 (A. R. Brimblecombe), Buderim, 18.ii.1964 (J. J. Davis), Tamborine Mt., 28.iv.1965 (W. Yarrow); *Citrus* sp., weevils damaging leaves, Buderim, December 1960 (W. A. Smith), Palmwoods, 9.xii.1963 (J. J. Davis); strawberry, *Fragaria x ananassa* Duchesne, reared larvae under plant, Montville, 26.x.1962 (H. G. Greening); golden shower, *Cassia fistula* L., weevils on foliage, Woombye, 4.ii.1963 (J. J. Davis).

Graphognathus leucoloma (Boh.)

G. leucoloma is an occasional pest of strawberries.

Records: QUEENSLAND: pigeon pea, *Cajanus cajan* (L.) Millsp., weevils feeding on foliage, Ormiston, March 1952 (B. R. Champ) (Champ 1964); Toowoomba, 8.ii.1954 (A. W. S. May); strawberry, *Fragaria x ananassa* Duchesne, larvae damaging roots, weevils found on foliage, Rochedale, 17.x.1957 (J. J. Davis), Wellington Pt., 8.ii.1961 (A. R. Brimblecombe), Birkdale, 1.vi.1961 (B. R. Champ), Palmwoods, 26.x.1962 (H. G. Greening), Montville, 23.xi.1963 (J. J. Davis), Nambour, 6.i.1964 (J. J. Davis); grape, *Vitis vinifera* L. var. Hamburg, weevils on foliage, Lower Nudgee, 20.ii.1958 (J. J. Davis); Brisbane, 10.xii.1959 (A. R. Brimblecombe); lucerne, *Medicago sativa* L., larvae damaging roots, Maclagan, 3.iv.1964 (reported as widespread on lucerne on eastern Darling Downs in 1964) (T. Passlow); slash pine, *Pinus elliottii* Engelm., larvae destroying roots of nursery stock, Kallangur, 24.ix.1964 (N. W. Heather); chrysanthemum, *Chrysanthemum morifolium* Ramat., larvae attacking roots, Sunnybank, 16.xi.1964 (W. Yarrow).

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PSELAPHIDAE (COLEOPTERA) FROM AUSTRALIAN CAVES

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Members of the family Pselaphidae have been widely recorded from caves throughout the world, and often form a particularly interesting component of the cavernicolous fauna. However, they have not yet been reported from this environment in Australia, and it therefore seems appropriate to draw attention to some recent collections.

Family PSELAPHIDAE
Sub-family PSELAPHINAE
Tribe Brachyglutini
Rybaxis sp.

NEW SOUTH WALES: Basin Cave, Wombeyan, 18.iv.64, B. Dew, S.A. Mus. BS0923. (Further specimens in B. P. Moore collection.)

Rybaxis sp.

NEW SOUTH WALES: Grill Cave, Bungonia, 14.iii.64, B. P. Moore: in B. P. Moore Collection.

Neither of the above species appears to correspond to any of the described forms of *Rybaxis*. However, further comment or description is premature without a thorough re-examination of the systematics of this genus.