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NEW HOST RECORDS FOR THE CHALCID PARASITE *BRACHYMERIALASUS* (WALKER) (HYMENOPTERA: CHALCIDITDAE)*

Brachymeria lasus is an important entomophagous pupal parasite of a wide range of pests of crops and vegetables. Although more than a hundred hosts of this parasite have been reported (Habu, 1960 and Thompson, 1954) from many parts of the world only very few hosts are recorded from the Oriental and Australian regions and particularly from India where this parasite had been first discovered and described by Walker in 1841. The following is a list of new hosts of this parasite recorded for the first time (The records from New Guinea are from collections received from Dr. Stibick, Department of Agriculture, Stock & Fisheries, Konedobu, Papua, New Guinea and records from North India are from collections received from Dr. Sen Sarma Forest Research Institute, Dehra Dun. All the other records are from the collection of the authors).

1. *Noctuid* pests: *Cirphis* on paddy (Tanjore - S. India); *Cosmophila erosa* H. on ladies finger (Calicut - S. India); *Earias insulana* B. on millets (Mysore - S. India); *Laphygma exigua* H. on millets (Mysore - S. India); *Pericyma crugeri* (B.) on *Delonix regia* and on *petrophorum ferrugineum* (New Guinea); *plusia orichalcia* F. on a cruciferous plant (Delhi - N. India); *Plusia peponis* F. on snake gourd (Kerala - S. India); *Plecoptera reflexa* G. on shisham (N. India); *Sesamia interna* W. on paddy (Mysore - S. India and from N. Guinea); *Earias fabia* S. on bhindi (Kerala - S. India - first recorded for India only); *Simplica robustalis* on cholam (Coimbatore - S. India - first record for India only).
2. *Pierid* pest: *Catopsilia pomona* on *Casia* (N. Guinea)
3. *Yponomeutid* Pests: *Atteva fabriciella* S. on *Ailanthus excelsa* (Madhyapradesh - C. India).
4. *Hesperiid* pests: *Cephrenes moseleyi* (B.) on coconut (N. Guinea); *Parnara ammalia* on paddy (N. Guinea); *Parnara mathias* F. on paddy (Kerala S. India - first record for India only).
5. *Danaid* pests: *Danais chrysippus* L. on *Calotropis* (Calicut - S. India); *Danais plexippus* L. on wild Asclepiads (Papua - N. Guinea); *Sylepta derogata* F. on cotton & ladies finger (Kerala - S. India - first record for India only).
6. *Lymantriid* Pests: *Dasychira thwaitesi* M. on forest trees (Darjeeling - N. India); *Lymantria obfuscana* forest trees (Bhubaneswar - S. India).

7. *Pyralid Pests:* *Diaphania hilaralis* on *Anthocephalus cadamba* (Dehra Dun - N. India); *Diaphania indica* S. on snake gourd (Calicut - S. India) *Dichocrocis punctiferalis* G. on ginger 'Dehra Dun - N. India); *Hapalia machaeralis* on teak (S. India); *Lygropia auarernalis* Z. on bariar (N. India)

8. *Nymphalid Pests:* *Doleschallia hexophthalmos* G. on *Graptophyllum* (N. Guinea); *Ergo/is merione* C. on Castor (Coimbatore - S. India); *Junonia* on paddy and on many wild plants (Coimbatore - S. India); *Malanitis ismene* C, on paddy (Malappuram Dist. - S. India).

9. *Lasiocampid Pests:* *Malacosoma indica* M. on forest trees (Nanital - N. India).

10. *Papilionid Pests:* *Papilio aegeus* G. on citrus (N. Guinea).

11. *Glyphipterygid Pests:* *Phycodes radiata* O. on fig tree (Coimbatore - S. India).

12. *Tachinid parasites:* Tachinid pupa from *Nymphula* (Pyralidae) on paddy and from an unidentified hairy caterpillar on paddy (Kerala - S. India).

സംഗ്രഹം

'മുഖ്യക്കെന്ദ്രിയ ലഭ്യമായ പ്രസാർപ്പണ കൗൺസിൽ ശലഭവർദ്ധനയിൽ പെട്ട അന്തരീക്ഷ കൌൺസിൽ സമാധിക്കേണ്ടതിൽ വളരെനോക്കായി കണക്കിട്ടുണ്ട്. മുതൽ 35 കൌൺസിൽ മുൻ്നായിലും നിബന്ധനയിലും നിന്നും റിപ്പോർട്ട് ചെയ്യുന്നപ്രതിരീക്ഷണം.

REFERENCES

- Habu, A. 1960. A revision of the Chalcididae (Hymenoptera) of Japan. *Bull. Nat. Inst. Agr. Sci., Ser. C*, No. 11, 176-184.
- Thompson, W. R. 1954. A catalogue of Parasites and Predators of Insect pests. Sect. I, Part 3, 198-199. Published by the Imperial Parasite Service, Ontario, Canada.
- Walker, F. 1841. Descriptions of Chalcidites. *Entomologist*, 1841, 219.

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