



A shared home Earth. You are one of an estimated six billion people living on this planet, and you share it with more than 1.5 million other species known to science.

Aubrey Moore
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20th April 2015

Dear Aubrey,

Re: Identification of Coleoptera and Hymenoptera

Our Ref: 2015-0168

COLEOPTERA:

Our Coleoptera specialist, Dr Roger Booth has examined your specimens and has provided the following information:

IAS NHM 2015-0168.1 (Collected by Thomas Marler on the 16th November from Porac, Pampanga, Philippines).

?*Anadastus* spp. (Coleoptera, Languriidae). These are generally stem miners. The pale specimen resembled *Anadastus filiformis* (Fabricius), but was separated by details of its punctation and shape of the pronotum. No match could be found for the darker specimens in the collection here.

Order: Coleoptera
Family: Languriidae
Genus: ?*Anadastus*

HYMENOPTERA:

Our Hymenoptera specialists, Dr Andrew Polaszek and Dr John Noyes, have examined your specimens and have provided the following information:

IAS NHM 2015-0168.2 (Collected by Thomas Marler on the 6th of March 2013, Nong Nooch Tropical Botanical Garden).

Pteromalidae indet. 1 female, 1 fragment. (Identified by Dr Andrew Polaszek)

Order: Hymenoptera

Family: Pteromalidae indet

IAS NHM 2015-0168.3 (Collected by Thomas Marler on the 22nd January 2014, Roxas Blvd, Emita Philippines).

Encyrtidae *Arrhenophagus chionaspidis* Aurivillius (Identified by Dr John Noyes)

Apparently a new host record and two new distribution records

Order: Hymenoptera

Family: Encyrtidae

Genus: *Arrhenophagus*

Species: *chionaspidis*

<http://www.nhm.ac.uk/research-curation/research/projects/chalcidoids/database/detail.dsml?FamilyCode=EE&VALAUTHOR=Aurivillius&VALGENUS=Arrhenophagus&HOMCODE=0&VALDATE=1888&TAXONCODE=Arrhen+chionA&VALSPECIES=chionaspidis&ValidAuthBracket=false&searchPageURL=indexValidName%2edsml%3fSpecies%3d%2525%26Genusqtype%3dequals%26Familyqtype%3dequals%26index%3dValidName%26Speciesqtype%3dequals%26Genus%3dArrhenophagus&listPageURL=validName%2edsml%3fSpecies%3d%2525%26Familyqtype%3dequals%26Genusqtype%3dequals%26index%3dValidName%26Speciesqtype%3dequals%26Genus%3dArrhenophagus&tab=distribution>

IAS NHM 2015-0168.4a (Collected by Thomas Marler on the 20th January 2014, Rizal Pk., Manila, Philippines).

1 female *Encarsia ?fasciata* (Malenotti) (Aphelinidae). (Identified by Dr Andrew Polaszek)

More specimens needed for confirmation and comparison with reliably identified material of *E. fasciata* (none present in NHM).

New host and distribution records (if it can be confirmed as *E. fasciata*)

Order: Hymenoptera

Family: Aphelinidae

Genus: *Encarsia*

Species: *?fasciata*

<http://www.nhm.ac.uk/research-curation/research/projects/chalcidoids/database/detail.dsml?FamilyCode=BD&ValFamTrib=&VALGENUS=Encarsia&VALSPECIES=fasciata&VALAUTHOR=%28Malenotti%29&VALDATE=1917&ValidAuthBracket=true&TAXONCODE=Encars+fasciM&HOMCODE=0&searchPageURL=indexValidName%2edsml%3fSpecies%3dfasciata%26Familyqtype%3dequals%26Genusqtype%3dequals%26index%3dValidName%26Speciesqtype%3dequals%26Genus%3dEncarsia&listPageURL=validName%2edsml%3fSpecies%3dfasciata%26Genusqtype%3dequals%26Familyqtype%3dequals%26index%3dValidName%26Speciesqtype%3dequals%26Genus%3dEncarsia>

IAS NHM 2015-0168.4b

Several females *Chartocerus* sp. near *bengalensis* Hayat (Signiphoridae).
This is probably an undescribed species. Could either be a primary or secondary (hyper-) parasitoid of the scale. (Identified by Dr Andy Polaszek)

Order: Hymenoptera
Family: Signiphoridae
Genus: *Chartocerus*

IAS NHM 2015-0168.5 (Collected by A. Moore on the 3rd February 2013 Ritidian Pt., Guam).

Encyrtidae *Arrhenophagus chionaspidis* Aurivillius (Identified by John Noyes)
Apparently a new host record and two new distribution records

Order: Hymenoptera
Family: Encyrtidae
Genus: *Arrhenophagus*
Species: *chionaspidis*

<http://www.nhm.ac.uk/research-curation/research/projects/chalcidoids/database/detail.dsml?FamilyCode=EE&VALAUTHOR=Aurivillius&VALGENUS=Arrhenophagus&HOMCODE=0&VALDATE=1888&TAXONCODE=Arrhen+chionA&VALSPECIES=chionaspidis&ValidAuthBracket=false&searchPageURL=indexValidName%2edsml%3fSpecies%3d%2525%26Genusqtype%3dequals%26Familyqtype%3dequals%26index%3dValidName%26Speciesqtype%3dequals%26Genus%3dArrhenophagus&listPageURL=validName%2edsml%3fSpecies%3d%2525%26Familyqtype%3dequals%26Genusqtype%3dequals%26index%3dValidName%26Speciesqtype%3dequals%26Genus%3dArrhenophagus&tab=distribution>

IAS NHM 2015-0168.6 (Collected by Thomas Marler on the 5th March 2013, Nong Nooch Tropical Botanical Garden, Pattaya, Thailand).

No parasitoid specimens located. One winged male scale insect present.

IAS NHM 2015-0168.7 (Collected by A. Moore on the 25th January 2013, Mangilao, Guam).

2 female 2 male *Aphytis lindingaspis* Huang (Aphelinidae). First record of this species outside China; first record of males.

Order: Hymenoptera

Family: Aphelinidae

Genus: *Aphytis*

Species: *lindingaspis*

<http://www.nhm.ac.uk/research-curation/research/projects/chalcidoids/database/detail.dsml?FamilyCode=BA&VALGENUS=Aphytis&VALSPECIES=lindingaspis&VALAUTHOR=Huang&VALDATE=1994&ValidAuthBracket=&TAXONCODE=&HOMCODE=0&searchPageURL=indexValidName%2edsml%3fSpecies%3dlindingaspis%26Genusqtype%3dequals%26Familyqtype%3dequals%26index%3dValidName%26Speciesqtype%3dequals%26Genus%3dAphytis&listPageURL=validName%2edsml%3fSpecies%3dlindingaspis%26Familyqtype%3dequals%26Genusqtype%3dequals%26index%3dValidName%26Speciesqtype%3dequals%26Genus%3dAphytis>

I hope this answers your questions. Please let us know if you require further information.

Best regards,



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