



BugCatch Report

Mt Glorious QNPWS

D'Aguilar National Park



A beautiful beetle mimic (Neuroptera: Mantispidae: *Calomantispa*). Photo Jeff Skevington

Chris Lambkin (Queensland Museum) and Kathy Ebert (UQ) organised the latest ESQ Bug Catch at the Mt Glorious QNPWS grounds, D'Aguilar National Park on Saturday 20th September, 2014. Sixteen ESQ members attended including Chris, Kathy, Noel Starick, Robert Whyte and Ann Jones, Ryan Norris (student who travelled again from Gladstone with his family), Peter Hendry, Richard Zietek, Jim Pulsford, Susan, Jeff and Olivia Wright, Narelle Power and Damian White, Jeff, Ange, and Alex Skevington (all the way from Canada!), Jason Maté and family, David Merritt, Katie Hiller, Stacey Maclean and family. Eighteen visitors joined us, including Shaun Depper (QM volunteer), Shannon Smith (Univ. Western Sydney), Kate Moffatt and Matt Rees (QUT), Michelle Gleeson (BugsEd) and 25 UQ students. We used many collecting methods including light sheets from dusk. A crew from Totally Wild filmed some of the collection methods and interviewed ESQ members and visitors.

The venue is a non-public area of excellent rainforest and wet sclerophyll on the western slopes of D'Aguilar National Park just a little beyond the public picnic area for Maiala National Park. Chris, Kathy and Noel visited the area on the 15th September to set up Malaise and pitfall traps.



Zodariidae *Euasteron enterprise*
Baehr 2003. Photo: Robert Whyte.



Capusa caterpillar (Geometridae Ennominae) on Eucalyptus collected by Michelle Gleeson (BugsEd). Photo: Kathy Ebert.



Stiletto fly (Therevidae: *Nanexila gracilis*) collected at the light sheet by Peter Hendry. Photo: Chris Lambkin.



Lots of bird watching, talking, laughter, and catching up of old friends. Insect collection, hmmm.... Narelle Power, Ange, Alex & Jeff Skevington from Canada, and Damian White. Photo Noel Starick.

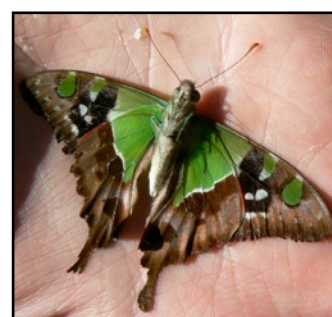


Probably the biggest turn-out ever at a BugCatch. Photo Noel Starick.

In the morning it was cloudy and windy just like every other year that we have been up to Mt Glorious. Occasionally the sun peeked through, although it cooled down significantly in the afternoon, but as the area is at 660 m elevation it was not unusual. The students observed and used diverse methods such as sweep netting, beating, pitfall traps, Malaise traps, a litter extraction funnel, light trapping, and direct search to obtain specimens for their courses.

While the usual carabids, syrphids, centipedes, pill millipedes, butterflies (including the beautiful, but fast, Macleay swallowtail (*Graphium macleayanus*) emerged to thrill the students. Some more unusual groups were collected including many unusual spiders, patterned millipedes, the rainforest dung beetle that forms brood-balls from leaves (*Cephalodesmus armiger*), mites on a carabid beetle, a beautiful rare beetle mimic (Neuroptera: Mantispidae: *Calomantispa*), some stiletto flies (Therevidae: *Nanexila gracilis* and *Ectinorhynchus*), and a giant king cricket (*Anostostoma australasiae*).

Chris Lambkin and Kathy Ebert



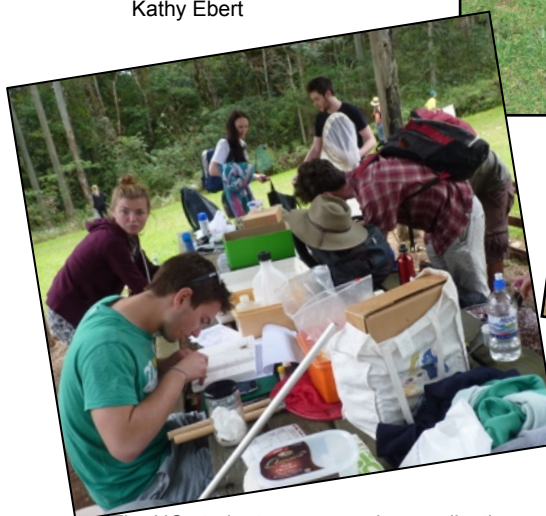
Macleay's Swallowtail (*Graphium macleayanus*) Photo: Kathy Ebert



Cyliosoma sp. (Sphaerotheriida: Cyliosomatidae)
Identified by Bob Mesibov Photo: Kathy Ebert



Phyllocladosoma sp. (Polydesmida: Paradoxosomatidae). Identified by Bob Mesibov. Photo: K.Ebert



The UQ students were very busy collecting, sorting, pinning, and identifying specimens. Photos: Noel Starick and Kathy Ebert