

lems in the  
des vigilax  
equired control  
ulation  
the major pest  
luted water  
s. It was  
ns the major  
in our collections

ow dung, was  
l. C. austro-  
erical order.  
n, was present  
nt pests  
aculatus are  
botomine

l from  
nd Akabane)  
tle rather

viruses pro-  
both human  
stions.

mology,

ting from a  
orest areas  
e "Somerset"  
ality resulting  
seums after  
s included:

stacular  
hibiting  
nale.

Queensland

- (b) An undetermined spider which spins its web across the throat of the chamber of the pitcher plant, Nepenthes mirabilis.
- (c) Dung beetles of the genus Coptodactyla were very abundant and a slide was shown of more than 300 congregated at a three inch long dead fish.
- (d) Specimens of the elusive Musgraveia antennatus, a poorly known congener of the Bronze Orange Bug. Taken on wild citrus.

(ii) Phoretic Fly on a Scarab Beetle. At a previous exhibits evening Monteith and Storey exhibited a "dung" beetle which utilizes leaf material for brood ball construction (see News Bull. No. 92). Further observations on this beetle, Cephalodesmius armiger, have revealed that a small sphaerocerid fly lives in association with the beetle and rides on the back of the beetle while it forages outside its burrow. The fly apparently breeds in the stored leaf material in the burrow. Specimens and photographs of both flies and beetles were displayed.

(iii) Dung Beetles as Pollinators of an Arum Lily. Certain lilies of the family Araceae (arums) are known to produce a faecal or carrion-like aroma which attracts beetles and flies as pollinators. This is fairly well documented overseas and complex mechanisms have been demonstrated whereby insects are trapped in the lower chamber of the flower until pollen is shed. In January this year an indigenous arum, Typhonium brownii, was found flowering at Bald Mountain near Emu Vale. The large deep purple flower of this lily was found to have a strong smell of fresh faeces and, when opened, the base of one was found to contain no less than 22 dung beetles of three species (3 Onthophagus pugnax, 18 O. - Scarabaeids sydneyensis and one indet. Aphodiinae). Specimens of the beetles and the flower were exhibited.

Vote of Thanks: Mr. E. Dahms moved a vote of thanks for those who had contributed to a most successful evening, this was carried enthusiastically by members present.

Other Business: The President announced that as Mr. Toop and Ms. Grant-Taylor were no longer available for organising suppers after the meeting, two new volunteers were required. He thanked the above for having done this job for several years and also offered his thanks to Ms. Cavanaugh and Ms. Turner for having helped out at short notice this evening.