

THE NORTH QUEENSLAND

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HABITS OF HERCULES MOTH.
(*Coscenocera Hercules*, Misk.)
By M.J. Manski.

This giant moth of Family SATURNIIDAE - Emperor Moths - having a wing span of nine inches in the male to eleven inches in the female, is very plentiful in this district. They are rarely seen being night fliers, although they have been seen on the wing in day-time when probably disturbed from slumber. They adhere to the trunk of a tree during the day with wings outstretched, and select bark in colour, nearest the colour of their wings and so are difficult to see. The eggs are laid on old cocoons and probably stems or leaves and in shape are like a bean seed but much smaller and vary in colour from pure white to red. The young caterpillar, on emergence is pure white and spiny.

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and it eats nearly all the egg shell before it leaves the cocoon or stem to search for its food. After several sheddings of skin (Chitin) it gradually becomes darker and when full-grown is a pleasing green colour, the caterpillar being then about five inches long by about one inch thick.

When about to pupate it selects a large leaf near the outside of the tree and spins silk around the stem and on to the petiole of the leaf totally covering the petiole, and it gradually draws the leaf around itself with silk when it spins its cocoon inside. The leaf dries but does not fall as it is attached to the branch of the tree. I have discovered two different food plants and have obtained cocoons from twenty feet high to within five feet from the ground. I have also discovered them on other plants not being food plants, the caterpillar apparently leaving the food plant to pupate.

The pupa may take as long as four hundred days before the moth cuts its way out of its cocoon and after it inflates its wings and dries, the large moth is ready for its mission in life. The food plants do not grow in thick scrubs but may be seen on the outside of scrubs particularly along creeks; one plant rarely attains twenty feet and the other rarely attains thirty feet.

MEMBERSHIP

The following were elected to membership at the June meeting -

Miss K. Dodd; Messrs Davies, Schridde, Walshe, Kiernan and Bowen.

Messrs Yardley and Harraway were nominated and will be ballotted for at the July meeting.

The lecturer at the July meeting will be Mr. Bates on "Composition of Soils."

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LECTURE ON THE REEF.

The lecturer at the June meeting was to be James Park Thompson, the Hon. Secretary and founder of the Royal Geographical Society, (Queensland) who was visiting Cairns. The lecture was made a civic function by the City Council and His Worship the Mayor (Ald. W. A. Collins) presided. It was held on Friday June 9th, earlier than the scheduled meeting night of the Club (June 13th).

Dr. Thompson's lecture was well attended, as it should have been because of its intense value to the people of the North, dealing as it did mainly with the islands of Torres Strait and the Great Barrier Reef. It was well illustrated by excellent lantern slides. Dr. Thompson went into the geological structure of the reef and detailed the work of the several expeditions that had been sent to study the reef. He also referred to the work of his own Society in popularising the Great Barrier Reef as a tourist resort before that tourist traffic had reached anything like its present proportions. From the geology he went on to the biology of the reef, and, assisted by his beautiful slides, he gave a fine conception of the extreme beauty and variety of life in the coral. Some slides showed the corals extended like flowers and it could be easily understood why the name "coral gardens" had so often been applied to the lovely underwater structures. The lecturer said that if those pictures were not taken from actual life, he could understand an opinion that they were exaggerated. But they were not as members of the Cairns Naturalists Club had been able to indicate to many visitors of recent months. He complimented Cairns upon possessing such a Club and the Club itself upon the work it was doing.

Dr. H. Flecker, President of the North Queensland Naturalists Club, moved a vote of thanks to the lecturer and drew attention to the Club's efforts to establish a competent guide system upon the Reef at Green Island. Unfortunately they were not meeting with the support that he thought they were entitled to, although already their efforts had been appreciated by visitors. Mr. W. C. Griffin seconded the vote of thanks and said that the Cairns people should be proud to have such useful and virile societies as the Naturalists Club and the Cairns Tableland Publicity Association.

ADDENDA AND CORRIGENDA.

Vol. 1, No. 9, P. 5.

After *Clematis* (Linn) add Virgin's Bower.
 For *Wormea* read *Wormia*.
 After (*Hibbertia*) *bennettii* (Bailey) add
 Arsenic Plant.

P. 6

For (*Drimys*) *semicarpoides* read
semecarpoides.

After (*Mollinedia*) *subternata* (Bailey) add
 Wonda.

After (*Daphnandra*) *aromatica* (Bail.) *Cheed-*
ingnan, add (Locality) Barron River

P. 7

For sycamore (*Crypocarya*) *obovata*, read Long Tom
 For var. *coriacea* (*C. glaucescens*) read *coriacea*.
 Before *C. triplinervis* insert (*C. glaucescens*) var
nitida, Cape River.

For *C. bancroftii* read *bancroftii*.

P. 8

For *Tinespora* read *Tinospora*

After *T. berneyi* (Bail.) add Yam Vine of Hughender

For (*Pachygone*) *latifolia*, read *longifolia*.

For (*Capparis*) *quinifolia* read *quiniflora*

For *C. palmerstonii* read *palmerstonii*

After Barron Rv. (*C. palmerstonii*) add Atherton.

CENSUS OF NORTH QUEENSLAND PLANTS (Continued)

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| <p><i>Capparis</i>
 <i>nummularia</i> (D.C.) Longullah
 Cloncurry
 <i>uberiflora</i> (F.v.M.)
 Cairns (Nugent)
 <i>ornans</i>, (F.v.M.) Manni
 Batavia River; Pt. Denison
 <i>canescens</i> (Banks) Native
 Pomegranate.
 Lynd & Burdekin Rivers.
 <i>lucida</i> (R.Br.) Thoogeer.
 Hope Islets; Cape Grafton
 Pt. Denison; Burdekin Rv;
 Cloncurry (Palmer)
 <i>mitchelli</i> (Lindl.) Darling
 Downs Pomegranate.
 Cloncurry.
 Family Bixineae
 <i>Cochlospermum</i> (Kunth.)
 <i>gillivrasii</i> (Benth.) Pukuru
 Thursday & other Isl. off
 Coast; Middle Palmer &
 Nassau Rivers; Atherton;
 Pt. Denison; Burdekin Riv.
 <i>gregorii</i> (F.v.M.)
 Gilbert River
 Family Pittosporaceae (R.Br.)
 <i>Pittosporum</i> (Banks)
 <i>setigerum</i> (Bailey)
 Walsh River (Barclay-Millar)
 <i>melanospermum</i> (F.v.M.)
 Var. (?) <i>lateralis</i>
 Whitsunday Is. (Henne)
 <i>venulosum</i> (F.v.M.)
 Coastal ranges as Rock-
 ingham Bay, etc.
 <i>wingii</i> (F.v.M.)
 Bellenden Ker and other
 high ranges</p> | <p><i>Pittosporum</i>
 <i>rubiginosum</i> (A.Cunn.)
 Common on ranges about
 Bellenden Ker.
 <i>Bursaria</i> (Cav.)
 <i>tenifolia</i> (Bailey)
 Barron Rv. (E. Cowley); Herb-
 erton (J.F. Bailey)
 Family Droseraceae (Salisb.)
 <i>Drosera</i> (Linn.) Sundew.
 <i>adelae</i> (F.v.M.)
 Rockingham Bay (J. Dallachy)
 <i>indica</i> (Linn.)
 Islands of G. of Carpentaria
 (R. Brown); Lizard Is; Endea-
 vour River.
 <i>burmanni</i> (Vahl.)
 G. of Carpentaria (F.v.M.)
 Lizard Is; Endeavour River
 (Banks and Solander)
 <i>spathulata</i> (Labill) Spoon-
 leaf Sundew.
 From Rockingham Bay
 Southward
 <i>petiolaris</i> (R. Br.)
 Is. of G. of Carpentaria;
 Gilbert & Norman Rivers;
 Endeavour River, (Banks
 and Solander) (R.Br.);
 Russell River.
 <i>banksii</i>.
 Endeavour Riv. (Banks & Sol.)
 <i>Byblis</i> (Salisb.)
 <i>liniflora</i> (Salisb.)
 Is. of G. of Carpentaria. (R.
 Br.) Walsh Rv. (Barclay-Mill
 Rockingham Bay (W. Armit)
 Family Elatineae (Cambes)
 <i>Bergia</i> (Linn.)
 <i>ammannioides</i> (Roth.) Waterfire
 Thursday Island.</p> |
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Family Guttiferae
Garcinia (Linn.)
mestoni (Baill.) Meston's Mangosteen
 Bellenden Ker Range at altitude of 2000 feet.
warrenii (F.v.M.) near Coen Rv. (S. Johnson)
cherryi (Baill.) Coen (J.F. Cherry)
Kayea (Wall.)
larnachiana (F.v.M.) Mossman River
Calophyllum (Linn.)
inophyllum (Linn.) Alexandrian Laurel.
 Rockingham Bay
costatum (Bailey) Evelyn Teak
 Evelyn (J.F. Bailey)
australianum (F.v.M.) Rockingham Bay (Dallachy)
 Family Ternstroemiaceae
Saurauja (Willd.)
andreana (Oliver) Freshwater Crk, near Cairns & creeks about Bellenden Ker.
 Family Polygaleae (Juss.)
Polygala, (Linn.)
leptalea (De Cand.) Gilbert River; Endeavour River, Rockingham Bay
rhinanthoides (Soland.) Endeavour Rv. (R. Brown)
arvensis (Willd.) (Australian milkwort) Endeavour Rv. southward
stenoclada (Benth.) Endeavour River (Britten)

praecelsum (F.v.M.) Ranges about Rockingham Bay.
 Family Meliaceae (Vent.)
Melia (Linn.)
composita (Willd.) White Cedar.
 Herberton (Willd.) Green Is.; Mulgrave Rv.; Burdekin Rv. (F.v.M.)
Dysoxylon (Benth.)
latifolium (Benth.) Is. off Rockingham Bay
klanderii (F.v.M.) Rockingham Bay (J. Dall)
pettigrewianum (Baill.) Cairns Satin-wood
 Barron River (E. Cowley) Scrubs at base of Bellenden Ker Range.
nernstii (F.v.M.) Scrubs about Rockingham Bay (J. Dallachy)
schiffneri (F.v.M.) Harvey's Creek, Mt. Bellenden Ker Ranges (Karsten)
 Russell Rv. Scrubs
oppositifolium (F.v.M.) Endeavour Rv. (Armit); Rockingham Bay (Dallachy)
cerebriforme (Bailey) Brainfruit
 Freshwater Ck. (L.J. Nugent)
Aglaia (Lour.)
elaeagnoidea (Benth.) Is. of Gulf of Carp.; Rockingham Bay (F.v.M.)
 Synoum (A. Juss.)
muelleri (C.DC.) Rockingham Bay (F.v.M.)
Hearnia (F.v.M.)
sapindina (F.v.M.) Boodyarril
 Barron Bay; Herberton; Rock

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Family Polygaleae (Continued)
Bredemeyera (Comesperma) Labill
secundum (Banks) Endeavour River.
 Family Meliaceae (Vent.)
Owenia (F.v.M.)
acidula (F.v.M.) Emu apple
 Cloncurry.
vernica (F.v.M.) Musgrave, Cape York Pen. (G. Jacobsen)
reticulata (F.v.M.) Is. of G. of Carpentaria
Caprapa (Aubl.)
moluccensis (Lam.) Cannonball tree.
 Cardwell.
Cedrela (Linn.)
toona (Roxb.) var. *australis* (C.DC.) Red Cedar.
 Atherton
Flindersia (R.Br.) Kangabberoo
schottiana (F.v.M.) Bunji Bunji Herberton.
chatawaiana (Baill.) Red Beech
 Herberton to Cardwell (J. F. Bailey) Tully Rv.
ifflaiana (F.v.M.) Cairns Hickory.
 Scrubs of Barron River; Edge Hill; Green Island.
mazlini (Baill.) Evelyn, near Herberton (J. F. Bailey)
pimenteliana (F.v.M.) Rockingham Bay (J. Dallachy)
bourjotiana (F.v.M.) Rockingham Bay (J. Dallachy)
 Family Rutaceae (Juss.)
Zieria (Sm.)
pilosa (Rudge) Herberton (Tenison-Woods)

Boronia (Sm.)
artemisiaefolia (F.v.M.) Is. of G. of Carpentaria (R.Br.)
alulata (Soland.) Bala-bal-balgal.
 Endeavour Rv. (Banks & Sol)
bowmani Gilbert Rv. (R. Daintree) Cape River.
Eriostemon (Sm.)
banksii (A. Cunn.) Sandy shores of Endeavour Riv. (Banks & Sol.)
Philotheca (Rudge)
calida (F.v.M.) Gilbert River (F.v.M.)
Melicope (Forst.)
fareana (F.v.M.) Barron Rv; Rockingham B.
choorechilium (Bailey) Summit of Bartle Frere
broadbentiana (Bailey) Palm Camp (4,000ft.) Bellenden Ker.
australasica (F.v.M.) Ngob Tully River.
Evodia (Forst.)
xanthoxyloides (F.v.M.) Rockingham Bay (Dallachy)
bonwickii (F.v.M.) Rockingham Bay (J. Dall.)
Brombya (F.v.M.)
platynema (F.v.M.) Ranges about Rockingham Bay (J. Dallachy)
Zanthoxylum (Linn.)
veneficum (Bailey) Poison tree.
 Barron Rv. (E. Cowley); Johnstone Rv. (Bancroft) parviflorum (Benth.) Is. of G. of Carpentaria.

Ceijera (Schott)
salicifolia (Schott)
 Pt. Denison (Fitzalan)
parviflora (Lindl.) Wilga
 Burdekin Rv. (F.v.M.)
Acronychia (Forst.)
baueri (Schott) (F.
 Richmond Rv. (R. Brown)
imperfurata (F.v.M.) Fraz-
 er Island Apple.
 Herberton (J.F. Bailey)
melicoides (F.v.M.)
 Herberton (J.F. Bailey)
 Rangas, Rockingham Bay
 (J. Dallachy)
tetrandra (F.v.M.)
 Rangas about Rocking-
 ham Bay (J. Dallachy)
Halfordia (F.v.M.)
scleroxyia (F.v.H.) Kero-
 cane-tree.
 Herberton (J.F. Bailey)
 Evelyn to Russell Rv. (J.F. Bailey) Scrubs about
 Rockingham Bay (J. Dall.)
Glycosmis (Corr.)
pentaphylla (Corr.)
 Islands of Torres St.
Micromelum (Blume)
pubescens (Blume)
 Albany Is. (F.v.M.) G. of
 Carpentaria (R. Br.) Cape
 Upstart (M'Gillivray)
 Barnard Is. (M'Gillivray)
 Burdekin (F.v.M.)
Murraya (Linn.)
exotica (Linn.)
 Is. of G. of Carpentaria

Clausena (Burm.)
brevistylia (Oliv.)
 Hope Is. (M'Gillivray)
Atalantia (Corr.)
glauca (Hook) Native
 Kunquat.
 Cloncurry; Burdekin
 Rv. (F.v.M.) Pt. Denison
 (Fitzalan)
 (?) *recurva* (Benth.)
 Is. of G. of Carpentaria
 R. Br.)
Citrus (Linn.)
inodora (Baill.) Russell
 River Lime.
 Harvey's Cr.; Russell Rv.
 Family Simarubaceae (DC.)
Ailanthus (Desf.)
imberbiflora (F.v.M.)
 Pt. Denison (F.v.M.)
Brucea (Mill.)
sumatrana (Roxb.) Mac-
 assar Kennel.
 Rockingham Bay (F.v.M.)
Samadera (Gaertn.)
baileyana (Oliv.)
 Bellenden Ker, at alt-
 itude of 4,000 ft.
Harrisonia (R. Br.)
brownii (A. Juss.)
 Is. of G. of Carpentaria
 Family Ochnaceae.
Brackenridgea (A. Gray)
australiana (F.v.M.)
 Rockingham Bay (Dall.)
 Family Burseraceae
Garuga (Roxb.)
floribunda (Dene.)
 Endeavour River.
 (To be continued)