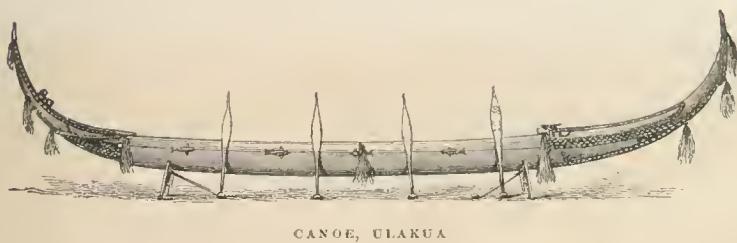


JOTTINGS  
DURING THE  
CRUISE OF H.M.S. CURAÇOA  
AMONG  
THE SOUTH SEA ISLANDS  
IN  
1865

BY

JULIUS L. BRENCHLEY, M.A., F.R.G.S.

*With NUMEROUS ILLUSTRATIONS and NATURAL HISTORY NOTICES*



CANOE, ULAKUA

LONDON  
LONGMANS, GREEN, AND CO.  
1873

## INSECTS.

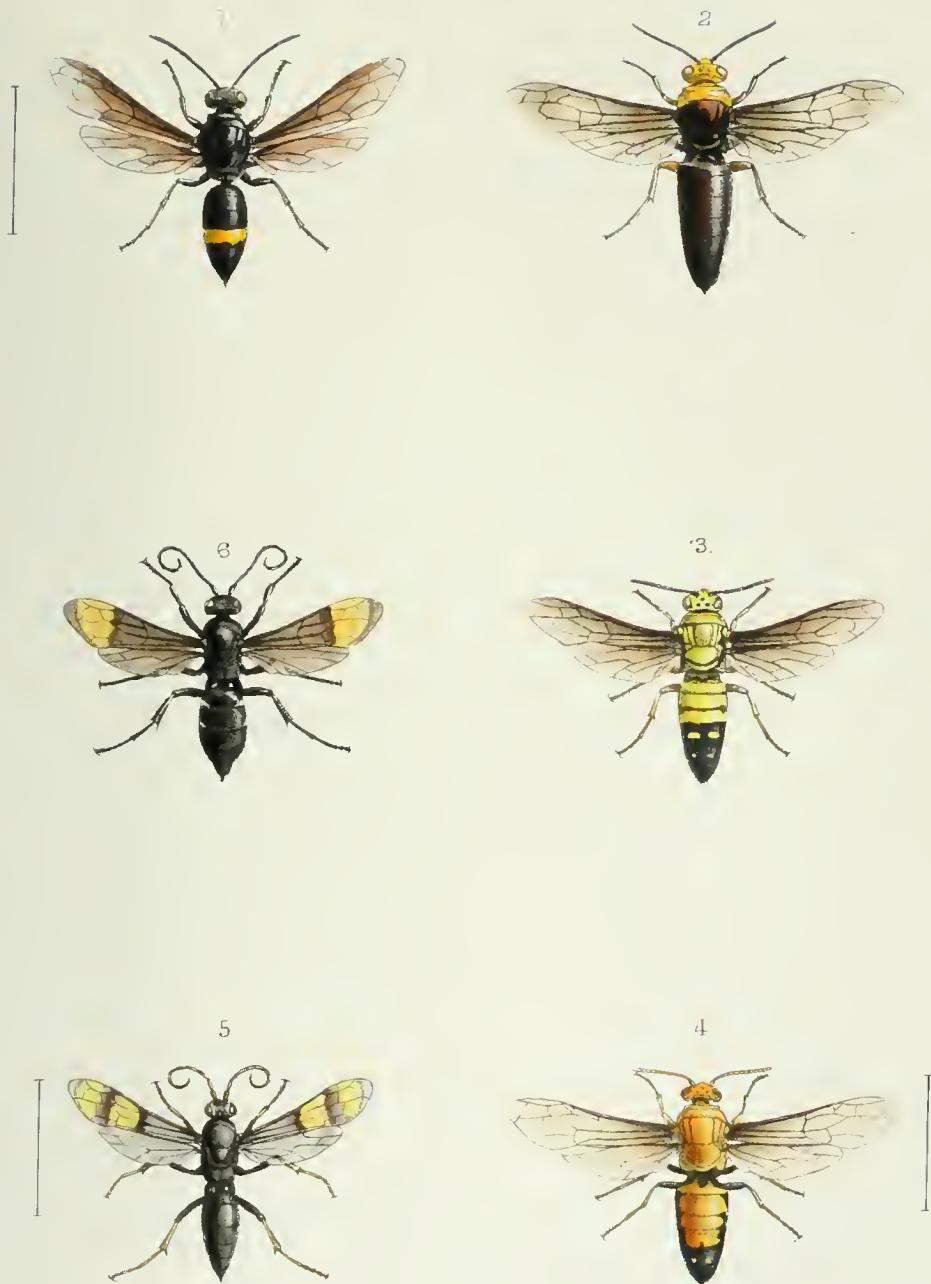
## HYMENOPTERA ACULEATA.

*Family THYNNIDÆ.**Genus THYNNUS, Fabr.*

PLATE XLIII. FIG. 2.

*THYNNUS BRENCHEYI, Smith.*

Length, 14 lines. Black, with the head and prothorax yellow. Head smooth and shining, the antennæ black as well as the tips of the mandibles. Thorax: the prothorax smooth and shining, its anterior margin elevated. The meso- and metathorax black above, both smooth and shining; two small ferruginous angulated spots in the middle of the anterior margin of the mesothorax which has a few scattered delicate punctures; the scutellum finely, but not closely punctured, and having in the middle, posteriorly, a pointed tubercle; the metathorax with a small pale spot on each side behind the insertion of the posterior wings; the wings hyaline, dark brown at their base; the anterior pair with a paler cloud at their apex. The mesothorax ferruginous beneath; the anterior legs ferruginous, with the coxæ and the femora beneath yellow; the intermediate and posterior legs ferruginous; their coxæ with fuscous stains beneath; the posterior tibiae above, and their tarsi, black. Abdomen cylindrical, shining and finely punctured, with the base abruptly truncate; a minute indistinct ferruginous spot at the base of the second segment in the middle, and a similar spot in the middle of the fourth, fifth, and sixth segments; there is also a minute lateral ferruginous line, indistinctly visible, on the first four segments; the seventh segment



G.H. Ford.

- 1 THYNNUS UNIFASCIATUS. Smith.  
2 THYNNUS BRENCHLEYI ..  
3 THYNNUS CONSPICUUS. ..

Mintchin Bros. imp.

- 4 THYNNUS PULCHRATIS. Smith.  
5 POMPILUS FICTIPENNIS. ..  
6 PRIOCNEMIS POLYDORIS. ..

longitudinally striated ; beneath : a ferruginous spot, more or less visible, in the middle of all the segments, which are strongly punctured.

*Hab.* Western Australia (Champion Bay).

In Coll. Brit. Museum.

PLATE XLIII. FIG. 3.

*THYNNUS CONSPICUUS, Smith.*

Length 12 lines. Luteo-testaceous, with the apex of the abdomen black. The antennae, ocelli, and tips of the mandibles black ; the scape yellow in front. Thorax shining ; the wings dark fuscous, the apical margin of the anterior pair, and the posterior margin of second pair, subhyaline ; the legs slightly ferruginous, the intermediate and posterior tarsi, except the base of the first joint, black. Abdomen beneath, and the four apical segments above, black ; the fourth segment with two small transverse yellow spots ; the fifth segment has sometimes two smaller spots of the same colour ; the seventh segment longitudinally striated above.

*Hab.* North-West Coast of Australia.

In Coll. Brit. Museum.

PLATE XLIII. FIG. 4, ♂.

*THYNNUS PULCHRALIS.*

(Smith, *Cat. Hym. Ins. Pt. VII. Appendix*, p. 68.)

*Hab.* Adelaide.

In Coll. Brit. Museum.

## PLATE XLIII. FIG. 1.

*THYNNUS UNIFASCIATUS, Smith.*

Length, 9 lines. Black, with an orange band on the abdomen. Head closely and finely punctured, slightly shining; the face and cheeks with hoary pubescence; on the sides of the thorax, and also beneath, there is a short pubescence of the same hue, on the metathorax it is longer and more dense, the latter is transversely striated; the mesothorax above and the scutellum are shining, and have a few shallow scattered punctures; the legs have a short hoary pubescence; the wings dark brown; the apical margins of the anterior, and the posterior margins of the inferior pair, hyaline. Abdomen, smooth and shining, with a few scattered fine punctures; the fourth segment yellow above, with its apical margin narrowly black; the basal segment rounded.

*Hab.* Queensland.

In Coll. Brit. Museum.

*Family POMPILIDÆ.**Genus POMPILUS, Fabr.*

## PLATE XLIII. FIG. 5.

*POMPILUS PICTIPENNIS.*

(Smith, *Cat. Hym. Ins.* Pt. III. Mutilidæ and Pompilidæ, p. 165, ♀).

Length, 8 lines.

*Hab.* Moreton Bay.

In Coll. Brit. Museum.

*Genus PRIOCNEMIS, Schiödte.*

## PLATE XLIII. FIG. 6.

*PRIOCNEMIS POLYDORUS.*

(Smith, *Trans. Ent. Soc.* (1868), p. 246, ?.)

Length, 11 lines.

*Hab.* Moreton Bay.

In Coll. Brit. Museum.

## PLATE XLIV. FIG. 1.

*PRIOCNEMIS AFFECTATUS.*(Smith, *Trans. Ent. Soc.* (1868), p. 146, ♀.)

Length, 8½ lines.

In Coll. Brit. Museum.

## PLATE XLIV. FIG. 2.

*PRIOCNEMIS EPHIPPIATUS.*(Smith, *Trans. Ent. Soc.* (1868), p. 246, ♀.)

Length, 8 lines.

In Coll. Brit. Museum.

Family SPHEGIDÆ.

Genus SPHEX, Linn.

## PLATE XLIV. FIG. 3.

*SPHEX AURIFEX, Smith.*

Length, 12½. Black, the head, and thorax above, clothed with golden-coloured pubescence; the legs and two basal segments of the abdomen ferruginous. The scape of the antennæ and base of the flagellum beneath, ferruginous; the clypeus and mandibles ferruginous, the latter black at their tips. Thorax, the wings flavo-hyaline, with a dark fuscous border on their apical margins extending along the posterior border of the inferior wings. Abdomen, the apical margin of the second segment and all the following segments black.

*Hab.* North-West Coast of Australia.

In Coll. Brit. Museum.



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1. PRIOCNE<sup>MIS</sup> AFFECTATUS. Smith  
2. PRIOCNE<sup>MIS</sup> EPHIPPIATUS. .  
3 SPHEX AURIFEX. .

Mintern Bros. imp.

- 4 SPHEX DECORATA. Smith.  
5 SPHEX PRÆ TEXTA. .  
6. STIZUS FECTORALIS. .

## PLATE XLIV. FIG. 4.

*SPHEX DECORATA, Smith.*

Length, 12 lines. Black, the base and apex of the abdomen ferruginous. Head: the scape and two or three of the basal joints of the flagellum ferruginous; the clypeus and mandibles ferruginous, the latter black at their tips; the face and cheeks with golden pubescence. Thorax covered with a fine short changeable golden pubescence, most dense on the metathorax; the tegulae, nervures of the wings, and the legs ferruginous, the claws tipped with black; the wings fulvo-hyaline. Abdomen ferruginous, with the second segment black above, and with two large black maculae beneath.

*Hab.* North-West Coast of Australia.

In Coll. Brit. Museum.

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## PLATE XLIV. FIG. 5.

*SPHEX PRÆTEXTA, Smith.*

Length, 12 lines. Black: the face and metathorax clothed with golden pubescence; the cheeks and the vertex with long thin pale yellow hair; the wings sub-hyaline with their apical margins slightly bordered with a fuscous cloud; the posterior tibiae with fine golden pile within; the basal segment has a pale changeable golden pile.

*Hab.* Moreton Bay.

In Coll. Brit. Museum.

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Family NYSSONIDÆ.

Genus STIZUS, Latr.

## PLATE XLIV. FIG. 6.

*STIZUS PECTORALIS.*

(Smith, *Cat. Hym. Ins.* Pt. IV. p. 336.)

Length, 12 lines.

*Hab.* Australia.

In Coll. Brit. Museum.

## DIPLOPTERA.

*Family MASARIDÆ.**Genus PARAGIA*, Shuck.

PLATE XLV. FIG. 2.

*PARAGIA VESPIFORMIS.*(Smith, *Trans. Ent. Soc.* 3rd ser. ii. 393, ♀; and *Idem.* vol. (1868), p. 250, ♂.)Length 7 lines. *Hab.* Champion Bay, West Australia.

In Coll. Brit. Museum.

*Genus DISCŒLIUS*, Latr.

PLATE XLV. FIG. 1.

*DISCŒLIUS INSIGNIS.*(Sauss. *Mon. Guepes. Sol.* supp. p. 125, ♀.)Length 8 lines. *Hab.* New Holland.*Genus EUMENES*, Latr.

PLATE XLV. FIG. 3, ♀.

*EUMENES SINENSIS*, Smith.

Length 11 lines. Black: the clypeus, a spot between the antennæ, the scape in front and a narrow line behind the eyes towards their summit, yellow; the mandibles ferruginous, their base black. Thorax punctured; the prothorax, an ovate spot

1



2



4



3



5



6.



1. DISCÆLIUS INSIGNIS. Say.

4. RHYNCHIUM MAGNIFICUM. Smith.

2. PARAGIA VESPIIFORMIS. Smith

5. MEGACHILE MONSTROSA. Smith

3. EUMENES SINENSIS. Smith

6. STENOTRITUS SMARAGDINUS. Smith

beneath the wings, the tegulae, post-scutellum and lateral margins of the metathorax reddish-yellow; the anterior legs, the intermediate and posterior tibiae, and the tips of the femora ferruginous; the outer margins of the intermediate and posterior coxae reddish-yellow; the tarsi more or less fuscous. Abdomen smooth and shining; the petiole punctured; apical margin of the petiole and a broad fascia on the apical portion of the second segment, reddish-yellow; beneath, the second, third, and fourth segments have a narrow yellow fascia on their apical margins.

*Hab.* North China.

In Coll. Brit. Museum.

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*Genus RHYNCHIUM*, Sauss.

PLATE XLV. FIG. 4.

*RHYNCHIUM MAGNIFICUM.*

(Smith, *Trans. Ent. Soc.* (1866), p. 310, ♀.)

*Hab.* Nicol Bay, West Australia. In Coll. Brit. Museum.

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*Family ANDRENIDÆ.*

*Genus STENOTRITUS.*

PLATE XLV. FIG. 6, ♀.

*STENOTRITUS SMARAGDINUS.*

(Smith, *Trans. Ent. Soc.* (1868), p. 251.)

*Hab.* Champion Bay, West Australia. In Coll. Brit. Museum.

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*Family APIDÆ.*

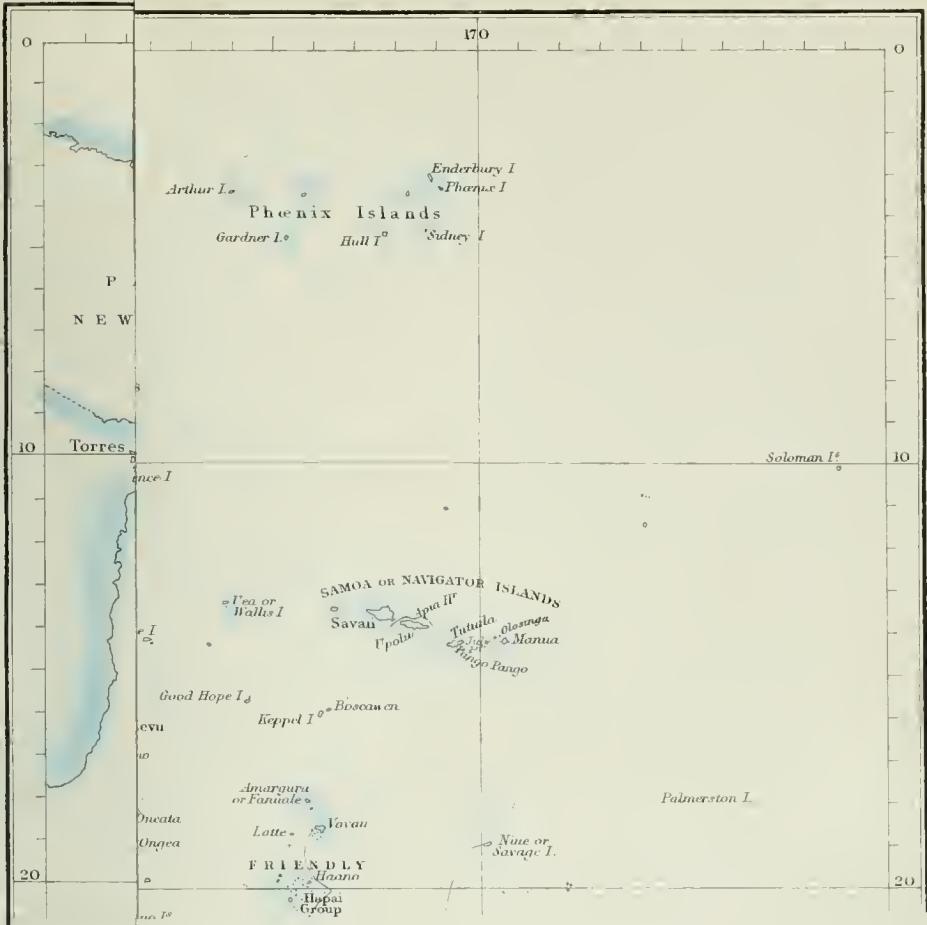
*Genus MEGACHILE*, Latr.

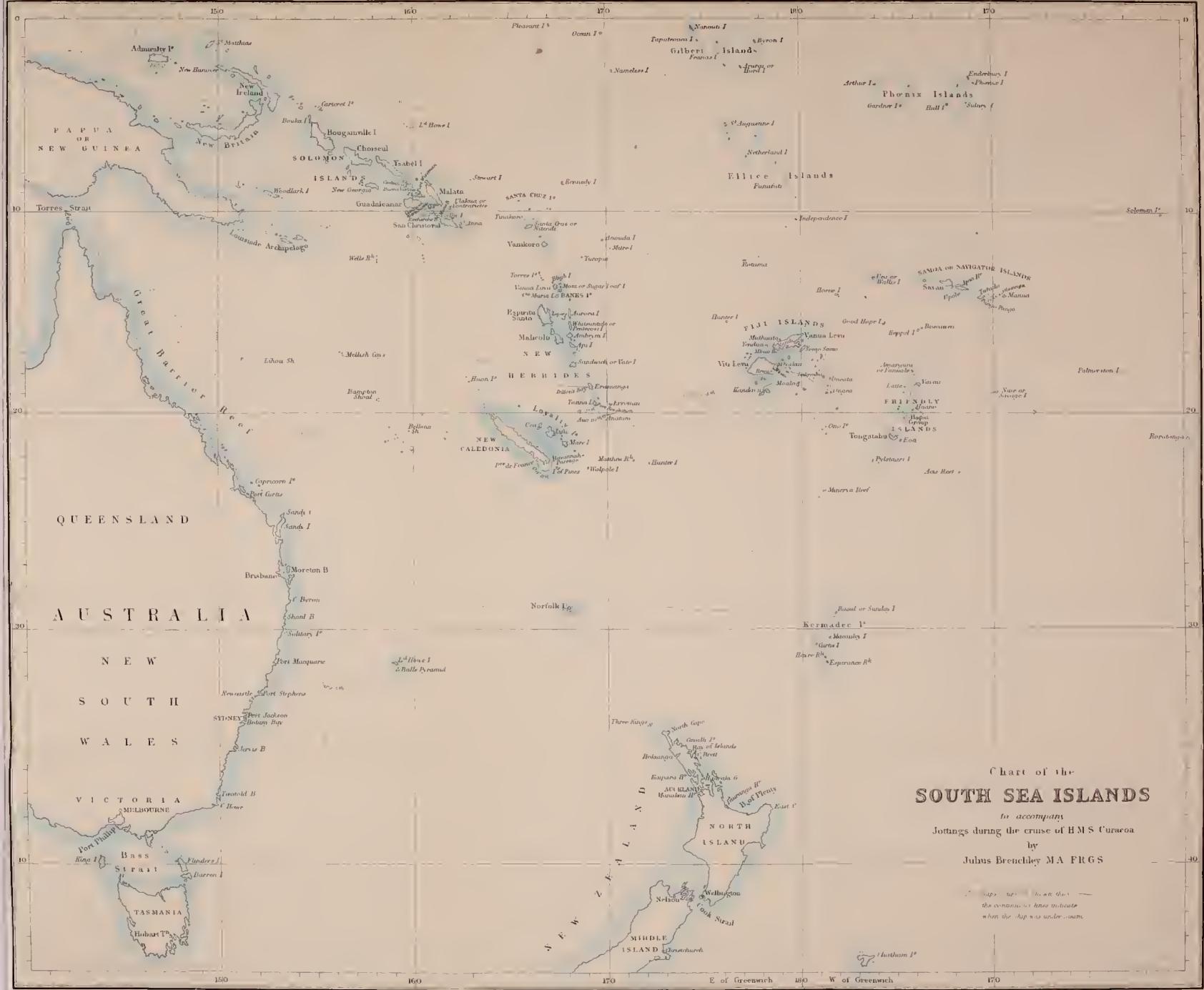
PLATE XLV. FIG. 5, ♀.

*MEGACHILE MONSTROSA.*

(Smith, *Trans. Ent. Soc.* (1868), p. 256.)

*Hab.* Champion Bay, West Australia. In Coll. Brit. Museum.





### Chart of the SOUTH SEA ISLANDS

for accompanying  
Jottings during the cruise of H.M.S. Curacao  
by  
Julius Brenchley M.A. F.R.G.S.

Scale of one mile  
the numbers below indicate  
when the ship was under sail.