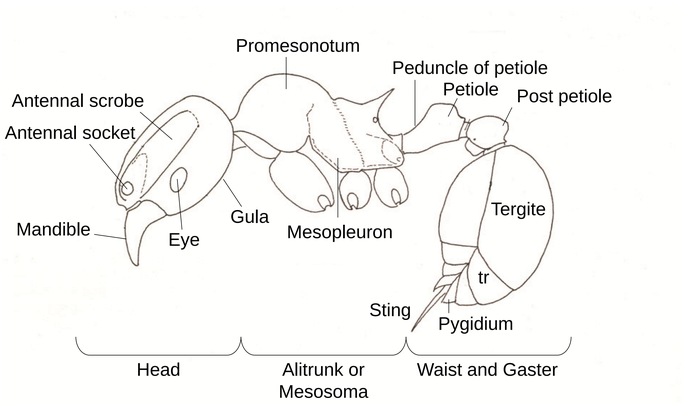
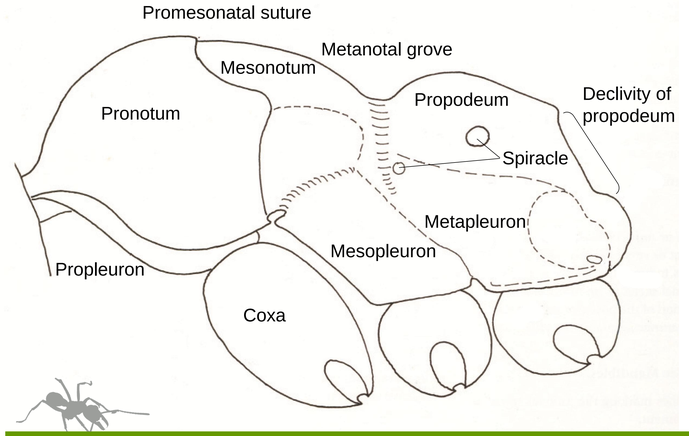
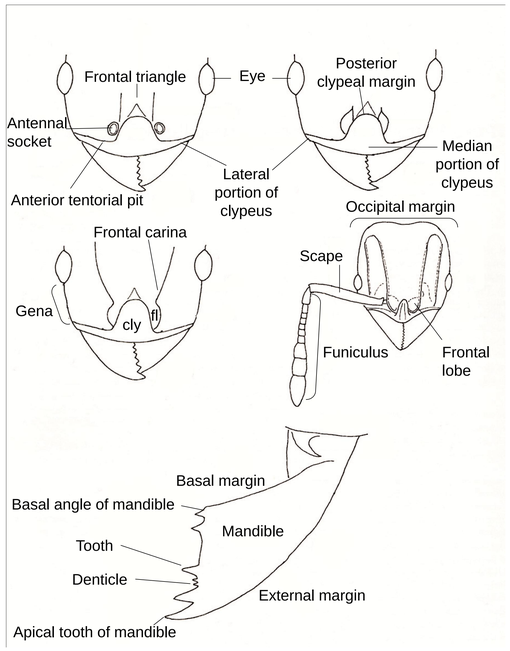
Identification of Lamanai Ants (Belize)

MORPHOLOGICAL FEATURES USED IN ANT IDENTIFICATION







KEY TO THE IDENTIFICATION OF ANT SUB-FAMILIES IN LAMANAI

1.	Body with single isolated waist segment (the petiole) ……	**2**
	Body with two isolated waist segments (the petiole and post-petiole)……	**5**
2.	Sting present, often prominent. Gaster usually with a visible constriction……	**3**
	Sting absent. Gaster never with a constriction……	**4**
3.	Petiole narrowly attached to third abdominal segment……	**Ponerinae (4)**
	Clypeus extends between frontal lobes. Dorsal surface of head and body with standing setae…	**Ectatomminae (2)**
4.	Apex of gaster with acidopore, sting absent……	**Formicinae (2)**
	Apex of gaster without acidopore, but with slit-like orifice……	**Dolichoderinae (4)**
5.	Eyes unusually large, Ocelli present……	**Pseudomyrmecinae (1)**
	When present, eyes seldom unusually large, never covering most of the sides of the head.	
	Ocelli nearly aways absent……	**6**
6.	When present, eyes either a single facet or absent……	**Ecitoninae (2)**
	Antennal sockets usually well-separated , Clypeus developed. Eyes often with > facets……	**Myrmicinae (13)**

* = estimated number of genera for that sub-family present at Lamanai

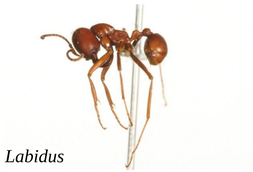
REFERENCES

- Compiled by M. Alex Smith based on collections made at Lamani, Belize in 2010. All specimen photos and DNA are hosted at www.barcodinglife.org
- Bolton, B. 2003. Synopsis and Classification of Formicidae. Memoirs of the American Entomological Institute 71: 1–370.
- Morphological line drawings from Bolton, B. 1994 Identification Guide to the Ant Genera of the World Figures 523 – 529.

COMMON ANT GENERA FOUND IN BELIZE


Pachycondyla


Dolichoderous


Labidus

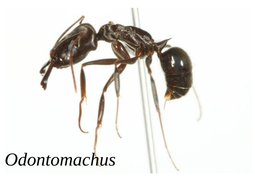

Strumigenys


Hypoponera


Tapinoma


Cephalotes


Cyphomyrmex


Odontomachus


Azteca


Crematogaster


Acromyrmex


Leptogenys


Doyrmyrmex


Pheidole


Atta


Ectatomma


Paratrechina


Apterostigma


Solenopsis


Gnaptogenys


Camponotus


Wasmannia


Monomorium


Pseudomyrmex


Eciton


Sericomyrmex


Rogeria