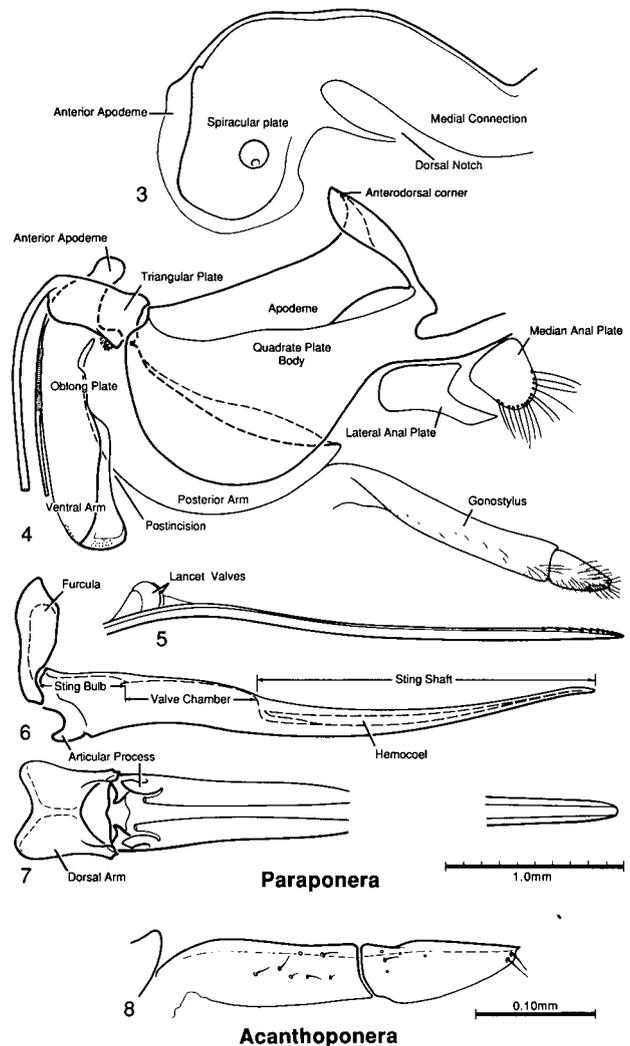


assumptions follow the list of states for each character.

1. Spiracular plate posterior edge: (0) not reduced, (1) abruptly reduced in dorsal half (Ordered).
2. Oblong plate fulcral arm: (0) not extending along entire postincision, (1) extending along entire postincision to dorsal ridge of oblong plate (Ordered).
3. Gonostyli: (0) two segmented, (1) single segmented and club-shaped (Irreversible).
4. Gonostylus pilosity: (0) abundant on distal segment (or distal half of single segment), (1) sparse on distal segment or half (Irreversible).
5. Lancet apex: (0) not spine-like, (1) spine-like in at least some species (Dollo).
6. Furcula dorsal arm: (0) large, with lateral flanges, (1) a distinct, simple shaft, without flanges, (2) reduced to a small tubercle, or absent, (3) furcula fused to sting base (or lost entirely); no dorsal arm (Irreversible).
7. Index of Reduction: (0) > 0.60, (1) < 0.60 (Irreversible).

	CHARACTERS						
	1	2	3	4	5	6	7
<i>Paraponera</i>	1	0	0	0	0	0	0
<i>Acanthoponera</i>	?	0	0	1	0	?	1
<i>Gnamptogenys</i>	0	0	0	1	1	1	1
<i>Ectatomma</i>	0	0	0	1	1	2	1
<i>Proceratium</i>	1	1	1	0	0	1	1
<i>Discothyrea</i>	1	1	1	0	0	3	1

Table 2. Ectatommini phylogenetic analysis data matrix.



Figures 3-8. *Paraponera clavata*. 3. Lateral view spiracular plate; dorsal view medial connection. 4. Lateral views quadrature plate, lateral anal plate, oblong plate, gonostylus, triangular plate; dorsal view median anal plate. 5. Lateral view lancet. 6-7. Lateral and ventral views sting, furcula. 8. *Acanthoponera minor*, lateral view gonostylus.