TABLE 1
Host Plant Species versus *Cladomyrma* Species

Host plant	Ant species	Location
Callerya nieuwenhuisii	*andrei*	Borneo
Crypteronia sp.[a]	*crypteroniae*	Borneo
Crypteronia griffithii	*crypteroniae, maschwitzi*	Borneo
Crypteronia macrophylla	herbarium[b]	Borneo
Drypetes longifolia	*andrei hobbyi, yongi*	Borneo
?*Fagraea* sp.	*dianeae*	Borneo
Neonauclea borneensis	*dianeae*	Borneo
Neonauclea gigantea	*aurochaetae, dianeae*	Borneo
Neonauclea longipedunculata	*dianeae, hewitti*	Borneo
Neonauclea paracyrtopoda	*dianeae*?	Borneo
Neonauclea pseudocalycina	*maryatiae, hewitti*	Borneo
Neonauclea sp. C (JM)	*dianeae, maryatiae*	Borneo
Neonauclea sp. D (JM)	unidentified	Borneo
Neonauclea sp. E (JM)	*dianeae*	Borneo
Neonauclea sp. 1 (DD)	*dianeae*	Borneo
Neonauclea sp. 2 (DD)	*dianeae, maryatiae*	Borneo
Neonauclea sp. 3? (DD)	*dianeae*	Borneo
Neonauclea sp. (unident.)	*aurochaetae, dianeae, maryatiae*	Borneo
Spatholobus oblongifolius	*andrei, hobbyi, maryatiae*	Borneo
Crypteronia griffithii	*maschwitzi*	Malay Pen.
Drypetes longifolia	*nudidorsalis, petalae*	Malay Pen.
Luvunga sp.	*petalae*	Malay Pen.
Ryparosa fasciculata	*nudidorsalis, petalae*	Malay Pen.
Saraca thaipingensis	*petalae*	Malay Pen.
Spatholobus bracteolatus	*petalae*	Malay Pen.
Strychnos vanprukii	*petalae*	Malay Pen.
Crypteronia griffithii	*crypteroniae, maschwitzi*	Sumatra

[a] Possibly a *Crypteronia* species new as host plant (not *griffithii* or *macrophylla*).

[b] Herbarium specimens of *Crypteronia macrophylla* show typical signs of regular *Cladomyrma* occupation, but ants not collected (plants not found in the field). JM = Joachim Moog, DD = Diane Davidson. ? indicates that identification is based on workers only. Note that *Neonauclea* species of DD are most likely identical to some of the other eight listed species, since only eight myrmecophytic *Neonauclea* are known to occur in Borneo. [The table lists all records of colonization without noting the frequency of occupation.]

workers in total; Sabah, Ranau, Poring Hot Springs, 3/10/1995, Joachim Moog, 95-114, ex: *Neonauclea* sp. C, colony size small (nanitic workers); Sarawak, Lambir NP, Miri, 2/26/1992, Brigitte Fiala, 92-211 a-b, ex: *Neonauclea* sp.; Sarawak, Lambir NP, Miri, 2/26/1992, Brigitte Fiala, 92-212, ex: *Neonauclea* sp.; Sarawak, Lambir NP, Miri, 2/27/1992, Brigitte Fiala, 92-213, ex: *Neonauclea* sp.; Sarawak, Lambir NP, Miri, 2/27/1992, Brigitte Fiala, 92-215b, ex: *Neonauclea* sp.; Sarawak, Lambir NP, Miri, 2/28/1992, Alfred Buschinger, 92-223, ex: *Spatholobus oblongifolius*; Sabah, Ranau, Poring Hot Springs, 3/24/1995, Joachim Moog, 95-151, ex: *Neonauclea* sp. C, colony size small (workers = nanitics).

CONCLUSIONS

This taxonomic study is a first attempt to clarify the species identities of certain, newly discovered *Cladomyrma* species and particular host plants, although limited data and taxonomic uncertainties give a rather provisional picture to date. We are still far from understanding the factors leading to some apparent species pairings (table 1), which will be part of a broader study by one of us (JM). However, both the extremely diverse host plant taxa (with apparently different degrees of myrmecophytism) and specific ant traits, indicating a predisposition for symbiosis with "preadapted" plants, point to frequent