

(*N. artocarpoides*, *N. calcarea*, *N. excelsioides*). The holotype queen has probably been collected from an unknown Bornean *Fagraea* species (D. Davidson, personal commun.). All known myrmecophytic *Fagraea* species bear at the base of the petiole auriclelike scales which clasp the stem. The cavities thus formed are occupied by ants that close the entrances with carton material (Bequaert, 1992), a behavior not displayed by *Cladomyrma* ants. However, if this finding can be verified in future field studies, it would increase the number of known host plant genera of *Cladomyrma* to ten. We predict either that this *Fagraea* species is different from the species having ant-occupied auricles or that the colonization by a *Cladomyrma* queen occurred "erroneously" (compare below: *Cladomyrma hewitti* ex *Myrmeconaulcea strigosa*). *C. dianeeae* is recorded only from Sabah and Sarawak but increased sampling efforts are likely to extend its known distribution.

MATERIAL EXAMINED: HOLOTYPE: E-MALAYSIA, Sabah, Ulu Segama FR, 10/1994, Diane Davidson, 0023 (queen), ex ?*Fagraea* sp. (Loganiaceae), AMNH. PARATYPES: E-MALAYSIA, Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 6/29/1991, Diane Davidson, 91-012, ex: *Neonauclea* sp.; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/3/1991, Diane Davidson, 91-015, ex: *Neonauclea* sp. 3?; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/6/1991, Diane Davidson, 91-030, ex: *Neonauclea* sp. 2; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 6/24/1991, Diane Davidson, 91-002, ex: *Neonauclea* sp., AMNH, FRIM, LACM, MCSN, MCZ, MHNG, NHM, collections of Agosti and Maschwitz. OTHER SPECIMENS: E-MALAYSIA, Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 6/27/1991, Diane Davidson, 91-004, ex: *Neonauclea* sp.; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 6/27/1991, Diane Davidson, 91-007, ex: *Neonauclea* sp. 1; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/8/1991, Diane Davidson, 91-032, ex: *Neonauclea* sp. 2; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/16/1991, Diane Davidson, 91-051,

ex: *Neonauclea* sp. 1; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/16/1991, Diane Davidson, 91-052, ex: *Neonauclea* sp. 1; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/16/1991, Diane Davidson, 91-053, ex: *Neonauclea* sp. 2; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/16/1991, Diane Davidson, 91-054, ex: *Neonauclea* sp. 2; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/16/1991, Diane Davidson, 91-056, ex: *Neonauclea* sp. 1; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/16/1991, Diane Davidson, 91-058, ex: *Neonauclea* sp. 2; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/16/1991, Diane Davidson, 91-059, ex: *Neonauclea* sp. 1; Sabah, vic. Danum Valley Res. Center, 85 km W Lahad Datu, 7/22/1991, Diane Davidson, 91-063, ex: *Neonauclea* sp. 1; Sabah, Ranau, Poring Hot Springs, 1/24/1993, Joachim Moog, 93-048, ex: *Neonauclea* sp. ?C; Sabah, Ranau, Poring Hot Springs, 1/28/1993, Joachim Moog, 93-064, ex: *Neonauclea gigantea*, young colony: 36 workers in total; Sabah, Ranau, Poring Hot Springs, 1/28/1993, Joachim Moog, 93-066, ex: *Neonauclea gigantea*, mature colony; Sabah, Ranau, Poring Hot Springs, 1/28/1993, Joachim Moog, 93-067, ex: *Neonauclea gigantea*, colony size: ca. 1500 workers in total; Sabah, Ranau, Poring Hot Springs, 1/29/1993, Joachim Moog, 93-071, ex: *Neonauclea gigantea*, young colony: 22 workers in total; Sabah, Ranau, Poring Hot Springs, 1/29/1993, Joachim Moog, 93-072, ex: *Neonauclea gigantea*, young colony: 14 workers in total; Sabah, road Ranau (63.5 km); Telupid, 1/27/1995, Joachim Moog, 95-030, ex: *Neonauclea longipedunculata*, mature colony; Sabah, Ranau, Poring Hot Springs, 3/9/1995, Joachim Moog, 95-110, ex: *Neonauclea gigantea*; Sarawak, Lambir NP, Miri, 2/26/1992, Brigitte Fiala, 92-216 (a & b), ex: *Neonauclea* sp.; Sarawak, Lambir NP, Miri, 2/22/1995, Joachim Moog, 95-081, ex: *Neonauclea paracyrtopoda*?; Sarawak, Niah Cave NP, Miri, 2/24/1995, Joachim Moog, 95-088, ex: *Neonauclea* sp. E; Sarawak, Kapit, SE side Hose Mountains, 2/3/1997, Joachim Moog, 97-084, ex: *Neonauclea borneensis*.