

nerate slavemakers" among the *Epimyrma* species. However, the hosts of *adlerzi* appear brown in coloration, whereas the *exilis* populations infested by *E. corsica*, in Corsica and Yugoslavia, are uniformly black. The two color forms might represent different taxa on the subspecies level. However, Baroni Urbani (1971) has synonymized all the described subspecies and varieties of *exilis* under this species name.

A morphological comparison of *E. adlerzi* with *E. corsica* revealed conspicuous differences, while one of the slavemaking species, *E. ravouxi* is morphologically closely similar to *E. adlerzi*. Thus, we doubt that *E. corsica* is the closest relative of *E. adlerzi* and believe in an independent, convergent loss of workers in the two species.

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References

- Baroni Urbani, C. 1971. Studien zur Ameisenfauna Italiens XI. *Revue suisse Zool.* 78: 1037–1067.
- Buschinger, A. 1974. Experimente und Beobachtungen zur Gründung und Entwicklung neuer Sozietäten der sklavenhaltenden Ameise *Harpagoxenus sublaevis* (Nyl.). *Insectes soc.* 21: 381–406.
- 1982. *Epimyrma goesswaldi* Menozzi 1931 = *Epimyrma ravouxi* (André 1896) — Morphologischer und biologischer Nachweis der Synonymie (Hym., Formicidae). *Zool. Anz.* 208: 352–358.
- 1985. New records of rare parasitic ants (Hym., Form.) in the French Alps. *Insectes soc.* 32: 321–324.
- Buschinger, A., Fischer, K., Guthy, H.-P., Jessen, K. & Winter, U. 1986. Biosystematic revision of *Epimyrma kraussei*, *E. vandeli*, and *E. foreli* (Hymenoptera: Formicidae). *Psyche, Camb.* 93: 253–276.
- Buschinger, A. & Winter, U. 1983. Population studies of the dulotic ant, *Epimyrma ravouxi*, and the degenerate slavemaker, *E. kraussei* (Hymenoptera: Formicidae). *Entomologia gen.* 8: 251–266.
- 1985. Life history and male morphology of the workerless parasitic ant *Epimyrma corsica* (Hymenoptera: Formicidae). *Ibid.* 10: 65–75.
- Buschinger, A., Winter, U. & Faber, W. 1983. The biology of *Myrmoxenus gordiagini* Ruzsky, a slave-making ant (Hymenoptera, Formicidae). *Psyche, Camb.* 90: 335–342.
- Cagniant, H. 1968. Description d'*Epimyrma algeriana* (nov. sp.) (Hyménoptères Formicidae Myrmicinae), fourmi parasite. Representation des trois castes. Quelques observations biologiques, écologiques et éthologiques. *Insectes soc.* 15: 157–170.
- Espadaler, X. 1982. *Epimyrma bernardi* n. sp. a new parasitic ant (Hymenoptera, Formicidae). *Spixiana* 5: 1–6.
- Heinze, J. 1987. Three species of social parasitic ants new to Turkey. *Insectes soc.* 34: 65–68.
- Imai, H.T., Crozier, R.H. & Taylor, R.W. 1977. Karyotype evolution in Australian ants. *Chromosoma* 59: 341–393.
- Jessen, K. 1987. Biosystematic revision of the parasitic ant genus *Epimyrma*. In Eder & Rembold, Chemistry and biology of social insects. München.
- Kutter, H. 1973. Beitrag zur Lösung taxonomischer Probleme in der Gattung *Epimyrma* (Hymenoptera Formicidae). *Mitt. schweiz. ent. Ges.* 46: 281–289.
- Sadil, J. 1953. *Epimyrma zaleskyi* nov. spec. *Roč. čsl. Spol. ent.* 50: 188–196.
- Winter, U. 1979. *Epimyrma goesswaldi* Menozzi, eine sklavenhaltende Ameise. *Naturwissenschaften* 66: 581.
- Winter, U. & Buschinger, A. 1983. The reproductive biology of a slavemaker ant, *Epimyrma ravouxi*, and a degenerate slavemaker, *E. kraussei* (Hymenoptera: Formicidae). *Entomologia gen.* 9: 1–15.

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