

The circumstances suggest that *hemichlaena* is a southern derivative from the *obscuripes* stock that is now slowly replacing the latter from south to north and from lower to higher altitudes. The possibility is even more interesting when one considers that *C. japonicus* may be advancing northward against *C. herculeanus* in Asia, while the same may be true of *C. pennsylvanicus* De Geer vs. *C. herculeanus* in the eastern part of North America (Brown and Wilson, unpublished data). Conclusive demonstration of such northward expansion of warm-zone against cold-zone species would only be following the principles laid down in the zoogeographic writings of P. J. Darlington (1948 and in press).

REFERENCES

- Darlington, P. J. 1948. The geographical distribution of cold-blooded vertebrates. *Quart. Rev. Biol.*, 23: 1-26, 105-123.
- Eidmann, H. 1942. Zur Kenntnis der Ameisenfauna des Nanga Parbat. *Zool. Jahrb. Syst.*, 75: 239-266, cf. p. 250.
- Mayr, E. 1942. Systematics and the origin of species. Columbia University Press, New York.
- Wilson, E. O. and W. L. Brown. 1953. The subspecies concept and its taxonomic application. *Syst. Zool.*, 2: 97-111.
- Yasumatsu, K. and W. L. Brown. 1951. Revisional notes on *Camponotus herculeanus* Linné and close relatives in Palearctic regions (Hymenoptera: Formicidae). *Jour. Fac. Agric. Kyushu Univ.*, 10: 29-44.