

*Class II.* Species native to, and sometimes widespread in the Indo-Australian region which appear to have been distributed in part by man.

As the islands under discussion are rather peripheral to the main part of the Indo-Australian area it is difficult to estimate whether "Class II" species listed from them are truly native, or whether they have originated from propagules carried by man. This difficulty is especially evident with respect to the Lord Howe and Norfolk Island forms, but in our opinion, it is highly probable that the "Class II" Kermadec species (*Ponera gleadowi* and *Monomorium antarcticum*) were carried to Raoul by man.

*Class III.* Widespread pantropical or cosmopolitan forms well known as "tramp species" and distributed largely by man.

The numbers of species referable to each of these classes on the islands concerned are shown in Table I.

	Lord Howe Island	Norfolk Island	Raoul Island
South latitude	30° 30'	29° 48'	29° 10'
Size (mi <sup>2</sup> )	5	13	11.25
Distance from Australia (mi)	400	900	1700
No. ants Class I (endemics bracketed)	10(5)	8(1)	—
No. ants Class II	3	1	2
No. ants Class III	1	3	1
Total number of ants	14	12	3

Table I. Certain geographical features of Lord Howe Island, Norfolk Island, and Raoul Island; with details of the class composition of their ant faunas. Further explanation in text [data based in part on Wheeler (1927), modified by recent revisionary studies].

Although native ants are apparently absent from Raoul they are present on both Lord Howe and Norfolk Islands. The species concerned are all of Australian origin, and more of them are present on Lord Howe than on Norfolk, in spite of the considerably larger size of the latter. Faunal size on these islands is thus negatively correlated with their areas, a reverse situation from that observed by Wilson (1961) in various Moluccan and Melanesian Islands. Judging from the Melanesian faunal curves published by Wilson, we believe that Lord Howe Island probably supports a saturated ant fauna. Norfolk Island, however, would be expected to carry more