Errata

For the paper "Quantitative Comparisons between the Karyotypes
of Australian Marsupials from Three Different Superfamilies"
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On re-examining photographs of the chromosomes of dasyurids, it has become clear that mistakes have been made in compiling data for Table 4 on page 294. In all species chromosomes 2 and 6 are so nearly metacentric that in no case should the arms have been recorded separately. Thus the mean per cent lengths of each arm should be the average of the values shown for long and short arms separately. Analysis of variance reveals no significant deviation from homogeneity for chromosome 2. The data for chromosome 6 are homogeneous if *Dasyurops maculatus* is omitted. The new values for the "standard dasyurid" should be $5.22 \pm .031$ for 2L and 2S and $2.22 \pm .019$ for 6L and 6S. These corrected values also apply to the "standard dasyurid" data in Figure 2 but the conclusions remain unchanged.

In consequence of these changes the text on page 295 should read as follows:

"The exceptions are as follows:

1. In *Dasyurops maculatus* the short arm of chromosome 4 is 0.19% longer than standard and chromosome 6 is 0.29% shorter than standard.
2. The X chromosome of *Sminthopsis* is 0.6% longer than in other species.
3. In *Sarcophilus harrisi*, chromosome 5 has a shorter (0.43%) long arm and a longer (0.83%) short arm. The long arm of chromosome 1 is 0.53% shorter. These observations are compatible with the hypothesis that the species differs from the "standard dasyurid" in an interchange (1—5) and a pericentric inversion in chromosome 5. It should be noted that the remaining 10 chromosome arms do not differ. A second individual of..."

The same mistake has been made in chromosome 4 for five other species, viz. all three peramelids (Fig. 3 on page 301) and both wombats (Fig. 2 on page 298). In all of these the arm lengths should be equal to the mean of the two separate arm lengths. These changes do not materially affect the text. As already shown for chromosome 4, significant differences exist between all three peramelids while the two wombats do not differ significantly. Similarly *Perameles nasuta* does not differ from either *Lasiorkhinus* or *Phascolomis*.