



FIGURE 22.31. Reinforcement between pied and collared flycatchers (*Ficedula hypoleuca* and *Ficedula albicollis*). (A) Male pied and collared flycatchers from allopatric populations have similar black and white plumage (top right). However, where the ranges of the two species overlap, male pied flycatchers have a dull brown plumage, and male collared flycatchers have a more exaggerated white patch (top left). The greater difference in plumage between sympatric males reduces hybridization: Females of both species, taken from sympatric populations, always choose the conspecific male when given a choice between sympatric males (left), but often fail to distinguish when given a choice between allopatric males (right). (B) Female preferences have also diverged between allopatric and sympatric populations. Female collared flycatchers from the region of sympatry prefer males with larger patches of white (left), and female pied flycatchers from the region of sympatry prefer the dull plumage typical of males from that area (middle). However, female pied flycatchers from allopatric populations have the opposite preference, choosing black and white males over the duller males found in sympatry (right).

22.31A,B, redrawn from Stre G.-P. et al., *Nature* 387: 589–592, © 1997 Macmillan, www.nature.com