

Thus if we take the mammalia as our starting point, we shall find that the carnivora are represented among the birds by the raptores, among the reptiles by the crocodiles and serpents, among the insects by the predaceous beetles, ichneumons, and dragon-flies, among the annulosa by the spiders, crabs, lobsters, &c., among the mollusks by the cuttle-fish and by some of the gastropods and a few brachiopods, and among the radiates by the sea-urchins, star-fish, sea-anemones, and many of the animalculæ.

Confining our observation to the parallelism between the mammalia and the birds on the one hand, and the insects on the other, we find that the carnivorous mammals are well represented among the Coleoptera as follows:—The felidæ, the typical carnivora, by the Cicindelidæ, whose resemblance is acknowledged in their vernacular name of "tiger-beetles." The canidæ, dogs, wolves, foxes, are fitly represented by the Carabidæ, the weasel tribe by the Staphylinidæ, and the hyænas and vultures by the Silphidæ; while the marine carnivora, the seals and whales, find their representatives in the Dytiscidæ and Hydroidæ; and the various species of raptorial birds are no less fittingly typified by the Libellulidæ, ichneumon-flies, sphexes, and the predaceous wasps and hornets; not forgetting the ants, which have a highly developed carnivorous organization.

I shall not follow out in detail the obvious resemblances that may be observed between the pachydermatous animals and the Lucanidæ and other dendrophagous insects, as well as between the bovine, equine, and ovine tribes, and the gallinaceous and cursorial birds on the one hand, and part of the Scarabeidæ and Chrysomelidæ, and most of the Orthoptera on the other; or those not less remarkable that exist between the goat, deer, and antelope families, and the Cerambyx, Clytus, and Leptura genera.

If the hints I have thrown out should induce some of my younger entomological brethren to study more closely the relation of the Insects to the other members of the Animal Kingdom, my intention will be amply fulfilled.

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#### PERSONAL.

BARON OSTEN SACKEN.—We regret to announce that this eminent Dipterist has returned to Europe "for an indefinite period, several years, or perhaps for ever." His last contribution to American Entomology will,