

when I had no control of the Coleoptera, a somewhat cranky assistant threw away labels by the bushel, without any consideration whether they were types or in the handwriting of the most eminent entomologists, and replaced the labels by numbers referring to a carelessly written catalogue. A number of families of the Melsheimer and Ziegler collections shared the fate of this destruction.

## NOTES ON MALLOPHAGA AND PEDICULIDÆ.

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[Read before the Entomological Club of the A. A. A. S.]

Identical or very similar species of these parasites occur on the closely related birds and mammals of Europe and America, as is shown by the following list of species collected at Ames :—

### DOCOPHORUS.

*D. platystomus* N. On *Buteo swainsonii*, differs slightly from Denny's description and figure. In Europe occurs on *Buteo vulgaris*.

*D. cursor* N. On *Otus vulgaris* var. *Wilsonii*, differs from Denny's description in having lateral fasciæ on seven segments, the eighth being entirely dark, the ninth white ; foveolæ arranged differently on the fasciæ. But these points agree well with Piaget's figures, so there may be a discrepancy in Denny's work. In Europe occurs on *Strix (Otus) brachyotus*, according to Piaget, and *vulgaris* and *brachyotus*, according to Denny.

*D. testudinarius* D. On *Numenius longirostris*, agrees quite perfectly with Denny's description of specimens from *Numenius arquatus*, also with Piaget's figure.

*D. cygni* D. On *Cygnus buccinator* (?) Identical with descriptions of European specimens from *Cygnus musicus*, according to Piaget, and *C. Bewickii*, according to Denny.

Specimens belonging to this genus were also taken from Shrike, Hairy Woodpecker, Tern, Crow, Blackbird, Finch, House Martin and Coot, but are as yet undetermined.

### NIRMUS.

*N. fuscus* N. On *Buteo swainsonii*. Differs slightly from Denny's description and figures of specimens from *Buteo vulgaris*.