

SOME PARASITES OF BIRDS AND MAMMALS OBSERVED  
RECENTLY IN FRANCE

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The following records concern ectoparasites collected by the junior author (J.T.) on birds and mammals, in different areas of France. Most of the species were identified by the senior author (M.L.).

ARACHNOIDEA.—IXODIDAE: *Ixodes (Eschatocephalus) vespertilionis* C. L. Koch, on several bats: *Miniopterus schreibersi* Natterer, grotte de Pouade (Pyrénées Orientales), 7.iv.47; on *Myotis myotis* Bechstein and *Rhinolophus ferrum-equinum* Schreber, grotte de Peyroche (Ardèche),<sup>1</sup> 19.xii.46.

MALLOPHAGA.—PHILOPTERIDAE: *Columbicola columbae* L. and *Goniocotes bidentatus* Scop., common on dove (*Columba palumbus* L.) Richelieu (Indre et Loire), 13.vii.47.

ANOPLURA.—HAEMOTOPINIDAE: *Linognathus setosus* Olfers, on dog, Bayuls-sur-mer (Pyrénées Orientales), 6.iv.47.

APHANIPTERA.—Det. J. Cooreman, CERATOPHYLLIDAE: *Nosopsyllus fasciatus* Bosc, on rat (*Rattus rattus rattus* L.), Versailles (Seine et Oise), 4.viii.48. *Nosopsyllus londinensis* Roths., on mouse (*Mus musculus* L.), Richelieu (Indre et Loire), 24.iv.49. *Ceratophyllus hirundinis* Curtis, in a house martin's nest (*Delichon urbica* L.) Evreux (Eure), 7.vii.48 (J. Bouton leg.). *Ctenophthalmus agyrtus* Heller, on field mouse (*Apodemus sylvaticus* L.), Richelieu (Indre et Loire), 7.v.49. CTENOPSYLLIDAE: *Ctenopsyllus segnis* Shenck, on mouse (*Mus musculus* L.), Richelieu (Indre et Loire), 5.v.49. PULICIDAE: *Spilopsyllus cuniculi* Dale, on wild rabbit (*Oryctolagus cuniculus* L.), Richelieu (Indre et Loire), 18.vii.47.

DIPTERA.—HIPPOBOSCIDAE: *Hippobosca equina* L., on horse, Salin-de-Badon (Bouches-du-Rhône) (Zoological Reserve of the Camargue), 2.ix.48. *Stenepteryx hirundinis* L., on a house martin (*Delichon urbica* L.), Evreux (Eure), vi.48. (J. Bouton leg.). *Crataerina pallida* Leach, on swift (*Cypselus apus* L.), Paris, 8.vi.47 (M. Condamin leg.). NYCTERIBIDAE: *Penicillidia conspicua* Speiser, ♂, on bat (*Miniopterus schreibersi* Natterer), grotte de Pouade (Pyrénées Orientales), 7.iv.47. *Nycteribia (Nycteribia) vexata* Westwood, ♂, on bat (*Myotis myotis* Bechstein), grotte de Peyroche (Ardèche), 19.xii.46. *Nycteribia (Celeripes) biarticulata* Hermann, ♂ and ♀, on bat (*Rhinolophus ferrum-equinum* Schreber), grotte de Peyroche (Ardèche), 19.xii.46 and Sauveterre (Gard), 2.vii.49. *Nycteribia (Listropodia) schmidti* Schiner, ♀ ♀, on bat (*Miniopterus schreibersi* Natterer), grotte de Pouade (Pyrénées Orientales), 7.iv.47.

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<sup>1</sup> This case is one of the several visited during a biospeleological survey (vide Balazuc, J.,

Théodoridès, J., & Thiebaut, J., 1948, Deuxième campagne biospéléologique dans le Bas-Vivarais, Bull. Soc. linn. Lyon: 20-29).