During the Second World War (1945) Dr M.L. Roonwal, as mammalogist attached to the Army Headquarters in course of the investigations on tsutsugmushi disease (Scrub-typhus) in the Assam-Burma war front collected in 1945 several vertebrate and invertebrate groups including the insects. A series of papers appeared on these collections viz., Roonwal (1949 a-b; 1950), Roonwal & Nath (1949), Kapur (1956), Menon (1953), Menon, A..O.K. (1955), and Nath (1953). The insect collections also include some chewing-lice off the Falconiformes.

Since the chewing-lice have been branded as transmitters of typhus, rickettsiasis and are also definitive vectors of bird filaria, dog tape worm, infectious equine anaemia, dermatitis, etc., though their actual role in disease transmission is not as marked as that of Sucking-llice, it is felt desirable to report in this paper the species collected to supplement the results of the investigations already published.

Species so far reported from Manipur State are also included in this paper.

SYSTEMATIC ACCOUNT

Order PHTHIRAPTERA
Suborder AMBLYCEROPHTHIRINA
Family MENOPONIDAE


Suborder ISCHNOCEROPHTHIRINA
Family PHILOPTERIDAE

2. Falcoipeurus quadripustulatus (Burmeister,1838), 11 Males, 1 2 Females, and 6 (nymphs) from Gyps himalayensis Hume (R3), 9 km off Imphal, 23.xii.1945, coll. Dr M. L. R. (Z.S.I. Reg. No. 815/H16, 867 / H16)


5. *Craspedorhynchus* sp. near *spathulatus* (Giebel, 1874), 1 Male from *Milvus migrans lineatus* (J.E. Gray), Imphal, 21.xi.1945, coll. Dr M.L.R. (Not registered because of damaged condition).

All the above specimens are from birds of prey (Falconiformes). Other species reported from Manipur State are listed below.

**LIST OF SPECIES RECORDED FROM MANIPUR**

**Suborder AMBLYCEROPHTHIRINA**

**Family MENOPONIDAE**


**Family RICINIDAE**


4. *R. rubeculae* (Schrank, 1776), from *Saxicola caprata* (Linne), Kangla Tongli, Manipur (Rheinwald, 1968).

**Suborder ISCHNOCEROPHTHIRINA**

**Family PHILOPTERIDAE**

5. *Alecdoecus annularis* Ansari, 1955, from *Halcyon s.smyrnensis* (Linne), Imphal, erroneously reported as *A. annulatus* Ansari (Tendeiro, 1965).


**Family TRICHODECTIDAE**


Of the above sixteen species, only the last one is from a mammal and all the rest are from birds. On comparison of these sixteen with those made by Dr. M.L. Roonwal, only one species viz., *D. rufa* is found between them common and the rest of the four are new records for Manipur.

**SUMMARY**

During the Second World War, Dr M.L. Roonwal, then Mammalogist, Army Headquarters, collected various animal groups including the insects in course of the investigations on tsutsugmushi disease (Scrub-typhus) in Assam-Burma war front in 1945. These insect collections include some chewing-lice also. Though few, since the lice are usually branded as carrying typhus and other disease causing agents, it is felt desirable to report the species encountered. A list of species reported from the state of Manipur is also provided and a comparison shows that of the five species collected, four are now being reported for the first time.

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LAKSHMINARAYANA: *On Chewing-lice*


