

S Y N O P S I S

The problem which has been worked out in course of the present investigation is entitled "Studies on Sarcophagidae (Diptera) of West Bengal, India?"

The work has been dealt with <sup>in</sup> two sections.

The first section includes the Taxonomy, Distribution and Bionomics of the imaginal forms of 37 species of Sarcophagid flies. Out of these, 12 species are new to science and another 12 are being recorded for the first time from West Bengal. A new species is described from the North West Himalayas.

Twentytwo species are redescribed in detail and the figures of different parts of the genitalia (including 9 females) are given.

All the species have been assigned their correct generic positions, on the basis of our present day knowledge and the keys have been prepared mainly on the basis of male genitalia. A check list of Indian species along with their distribution in India is also given.

The second section includes the Taxonomy of the immature forms of 5 species of Sarcophagid flies along with the descriptions of different instars. Keys to and figures of different instars and the species have been provided.