CONTENTS

ACKNOWLEDGEMENTS

1. INTRODUCTION 1
2. REVIEW OF LITERATURE 8
3. MATERIALS AND METHODS 23
4. OBSERVATIONS
   (A) Population Studies 27
   (B) Biology 30
      I. Adult 30
         (a) Pre-Copulation Period 31
         (b) Copulation 31
         (c) Oviposition 32
         (d) Post-Oviposition 33
      II. Egg-pod and Egg 33
      III. Incubation 33
      IV. Hatching and Moulting 34
      V. Development of Hoppers 35
   (C) Colour Patterns 42
      I. Description of colour patterns in 44
         *Phlaeoba infumata*
      II. Description of colour patterns in 54
         *Oedaleus abruptus*