

# **Contents**

<b>List of Tables</b>	ix
<b>List of Figures</b>	xi
<b>Preface</b>	xiii
<b>Introduction</b>	1
<b>1. Folk Classifications of Insects</b>	13
<b>2. Insects as Food</b>	49
<b>3. Bees and Bee-keeping</b>	93
<b>4. Insects and Agriculture</b>	109
<b>5. Household Pests and Locust Swarms</b>	145
<b>6. Insects and Disease</b>	161
<b>7. Cultural Entomology</b>	181
<b>Appendix: Insect Life of Malawi</b>	217
<b>Bibliography</b>	291
<b>References</b>	293
<b>Index</b>	311

## List of Tables

Table 1.1	Navajo Classification of Insects	22
Table 1.2	Number of Folk Generics per Insect Order	23
Table 1.3	Relationships of Generics to Taxa in the Main Insect Orders	40
Table 2.1	Nutritive Values of Four Edible Caterpillars per 100 gm Dry Weight	88
Table 2.2	Caterpillar Collections in Kasungu National Park, 1994–2000	90
Table 4.1	Armyworm Infestations in Malwi, 1994–5	113
Table 4.2	Crops Attacked by Various Genera of Termites in Southern Malawi	117
Table 4.3	Incidence of Termite Damage by Crop	118
Table 4.4	Numbers of Farmers in the Lower Shire Valley Identifying Particular Cotton Pests as Important to them	126
Table 5.1	Numbers of People Considering Specific Insects their most Troublesome Household Pests (of a Total of 70 Interviewees from Villages around Kapalasa Farm)	150
Table 6.1	Morbidity and Mortality from Various Causes, Mulanje Mission Hospital, 1998: Children under Five	162
Table 6.2	Morbidity and Mortality from Various Causes, Mulanje Mission Hospital, 1998: Adults	163
Table 7.1	Types of Insect Mentioned in Malawian Proverbs and Riddles	209

## List of Figures

Fig. 1	Peter Mofor, drying termites, Kapalasa, December 2000.	61
Fig. 2	Meria White with nest of <i>Ntchiu</i> ( <i>Anaphe panda</i> , the processionary caterpillar), Kapalasa.	78
Fig. 3	Mary Malata cooking <i>Ntchiu</i> caterpillars ( <i>Anaphe panda</i> ), Kapalasa.	79
Fig. 4	<i>Bunaea alcinoe</i> , caterpillars, Kapalasa.	81
Fig. 5	Market vendor, Zomba, selling insecticides.	143
Fig. 6	Number 2. <i>Blatoidea</i> , <i>Periplaneta americana</i> , Cockroach, Mphemvu, Makwawa, 3 July 2001.	219
Fig. 7	Number 7. <i>Mantidae</i> , <i>Polyspilota aeruginosa</i> , Barred Mantis, Chiswambiya, Kapalasa, 14 March 2001.	222
Fig. 8	Number 10. <i>Pamphagidae</i> , <i>Lobosceliana brevicomis</i> , Toad Grasshopper, Tsokonombwe, Kapalasa, 20 January 2001.	224
Fig. 9	Number 17. <i>Acrididae</i> , <i>Gastrimargus africanus</i> , Yellow-Winged Grasshopper, Chidyamamina, Makoka, 23 May 2001.	228
Fig. 10	Number 18. <i>Acrididae</i> , <i>Acrida sulphuripennis</i> , Sulphur Acrida, Chigomphanthiko, Kapalasa, 30 May 2001.	229
Fig. 11	Number 19. <i>Acrididae</i> , <i>Catantops spissus</i> , Blue- Winged Grasshopper, Nakagunda, Kapalasa, 12 May 2001.	230
Fig. 12	Number 26. <i>Acrididae</i> , <i>Ornithacris magnifica</i> , Common Locust, Mphangala, Makwawa, 14 March 2001.	232
Fig. 13	Number 26. <i>Acrididae</i> , <i>Ornithacris (orientalis) cyanea</i> , Oriental Locust, Chiwala, Kapalasa, 12 February 2001.	233
Fig. 14	Number 27. <i>Acrididae</i> , <i>Acanthacris ruficornis</i> , Tree Locust, Chiwala/Dzombe, Kapalasa, 14 March 2001.	234
Fig. 15	Number 30. <i>Tettigoniidae</i> , <i>Homorocoryphus vicinus</i> , Common (Green) Katydid, Bwanoni, Kapalasa, 24 May 2001.	235

xii • List of Figures

Fig. 16	Number 56. <i>Dynastidae, Oryctes boas</i> , Rhinoceros Beetle, Chipembere, Blantyre, 3 October 2000.	245
Fig. 17	Number 59. <i>Cetoniidae, Amaurodes passerinii</i> ( <i>Mecynorrhina passerinii</i> ), Nsopa Beetle, Kapalasa, 30 November 2000.	247
Fig. 18	Number 59. <i>Cetoniidae, Ranzania petersiana</i> ( <i>Taurhina splendens</i> ), Green Flower Beetle, Kapalasa, 3 February 2001.	247
Fig. 19	Number 62. <i>Buprestidae, Sternocera (variabilis) orissa</i> , Jewel Beetle, Nkumbutera, Makwawa, 26 January 2001.	249
Fig. 20	Number 63. <i>Elateridae, Tetralopush terotundifrons</i> , Black Click Beetle, Chindenga, Zoa, 11 February 2001.	249
Fig. 21	Number 72. <i>Cerambycidae, Ceroplesia orientalis</i> , Redbanded Longhorn Beetle, Ligombera, Kapalasa, 6 January 2001.	253
Fig. 22	Number 76. <i>Cerambycidae, Mecosaspis plutina</i> , Blue Longhorn Beetle, Mwase, Kapalasa, 9 November 2000.	254
Fig. 23	Number 106. <i>Thaumetopoeidae, Anaphe panda</i> , Processionary Moth, Ntchiu, Collective Cocoon on <i>Bridelia micrantha</i> , Kapalasa, 2 February 2001.	268
Fig. 24	Number 107. <i>Psychidae, Eumetia cervina</i> ( <i>Clania moddermanni</i> ), Bagworm Moth, Ntemankhuni, Kapalasa, 12 May 2001.	269
Fig. 25	Number 130. <i>Xylocopidae, Xylocopa mossambica</i> ( <i>caffra</i> ), Pied Carpenter Bee, Bemberezi, Kapalasa, 11 November 2000.	281
Fig. 26	Number 130. <i>Xylocopidae, Xylocopa flavorufa</i> , Rufous Carpenter Bee, Bemberezi, Kapalasa, 2 October 2000.	281
Fig. 27	Number 130. <i>Xylocopidae, Xylocopa nigrita</i> , Large Carpenter Bee, Bemberezi, Kapalasa, 6 May 2001.	281