

CONTENTS

	Page
SYNOPSIS	... i - i
PREFACE	... ii - iv
I. INTRODUCTION	... 1 - 4
II. REVIEW OF LITERATURE	... 5 - 17
III. MATERIAL AND METHODS	... 18 - 24
A) Adult	... 18
B) Larvae	... 21
IV. TAXONOMIC ACCOUNTS	... 25 - 226
SECTION - 1	TAXONOMY OF THE IMAGINAL FORMS 25 - 204
Salient features of the family Sarcophagidae	... 25 - 25
Key to the subtribes of Sarcophagini from West Bengal	... 26 - 27
1. Subtribe Eellierina	... 28 - 30
Key to the genera	... 28
Genus <u>Thyrsocnema</u> Enderlein	... 28
Subgenus <u>Pseudothyrsocnema</u> Rohdendorf	... 29
<u>longistylata</u> Shimomaga and Lopes	... 30

Genus <u>Pierretia</u> Robineau-Desvoidy	...	34
Subgenus <u>Ascolotella</u> Enderlein	...	35
<u>calicifera</u> (Böttcher)	...	35
2. Subtribe Heteronychiina	...	40 - 40
Genus <u>Kozlova</u> Rohdendorf	...	40
<u>lopesi</u> Nandi	...	40
3. Subtribe Leucomyina	...	40 - 45
Genus <u>Leucomyia</u> Brauer and Bergenstamm	...	41
<u>cinerea</u> (Fabricius)	...	41
4. Subtribe Sarcosolenina	...	45 - 46
Genus <u>Sarcosolenia</u> Baranov	...	46
Subgenus <u>Parkerimyia</u> Lopes and Kano	...	46
Key to the species	...	46
<u>indica</u> Nandi	...	46
<u>rohdendorfi</u> Nandi	...	46
<u>crinita</u> (Parker)	...	46
<u>nathani</u> Lopes and Kano	...	46
5. Subtribe Seniorwhiteina	...	46 - 55
Genus <u>Seniorwhitea</u> Rohdendorf	...	46
Key to species	...	47
<u>krameri</u> (Böttcher)	...	47
<u>lopesi</u> , sp. nov.	...	52

6. Subtribe <u>Parasarcophagina</u>	...	56 - 173
Key to the genera	...	56
Genus <u>Tricholiprestia</u> Baranov	...	58
Key to the species	...	59
<u>flavinervis</u> (Senior-White)	...	59
<u>pugana</u> (Senior-White)	...	64
Genus <u>Boettcherisca</u> Rohdendorf	...	70
Key to the species	...	71
<u>pergrina</u> (Robineau-Desvoidy)	...	72
<u>bengalensis</u> , sp. nov.	...	72
<u>nathani</u> Lopes	...	81
Genus <u>Borena</u> Robineau-Desvoidy	...	86
<u>baenorrhoidalis</u> (Fallén)	...	87
Genus <u>Parasarcophaga</u> Johnston and Tiede	...	94
Key to the subgenera	...	95
Subgenus <u>Parasarcophaga</u> Johnston and Tiede	...	96
Key to the species	...	97
<u>knabi</u> (Parker)	...	97
<u>hirtipes</u> (Wiedmann)	...	104
<u>albiceps</u> (Meigen)	...	109
<u>orchidea</u> (Böttcher)	...	116
Subgenus <u>Lipygia</u> Enderlein	...	123
<u>ruficornis</u> (Fabricius)	...	123

Subgenus <u>Curranea</u> Rehdendorf	...	129
Key to the species	...	130
<u>kalimpongensis</u> , sp. nov.	...	130
<u>scopariformis</u> (Senior-White)	...	134
Subgenus <u>Pandelleigena</u> Rehdendorf	...	138
<u>bainbriggei</u> (Senior-White) N. Comb.	...	138
Subgenus <u>Liosarcephaga</u> Enderlein	...	142
Key to the species	...	143
<u>dux</u> (Thomson) N. Comb.	...	143
<u>brevicornis</u> (He)	...	149
<u>joephi</u> , sp. nov.	...	155
Genus <u>Robineauella</u> Enderlein	...	158
Subgenus <u>Jantiella</u> Rehdendorf	...	159
Key to the species	...	160
<u>ceei</u> Rehdendorf	...	160
<u>kanoi</u> , sp. nov.	...	161
Genus <u>Sinonipponia</u> Rehdendorf	...	164
<u>bengalensis</u> , sp. nov.	...	165
Genus <u>Liproctia</u> Enderlein	...	169
<u>midnaporensis</u> , sp. nov.	...	170

7. Subtribe Harpagophallina	...	173 - 203
Key to the genera	...	174
Genus <u>Harpagophalla</u> Rehdendorf	...	174
<u>kempi</u> (Senior-White)	...	175

Genus <u>Iranihindia</u> Rehdendorf	...	180
Key to the species	...	184
<u>martellata</u> (Senior-White)	...	182
<u>martellateoides</u> (Barnov)	...	187
<u>futilis</u> (Senior-White)	...	191
<u>jamesi</u> , sp. nov.	...	195
<u>indica</u> , sp. nov.	...	199

A CHECK LIST AND DISTRIBUTION OF INDIAN SARCOPHAGIDAE	...	204 - 204
---	-----	-----------

SECTION - II

TAXONOMY OF THE IMMATURE FORMS 205-226

SALIENT FEATURES OF THE SARCOPHAGID LARVAE	...	205-205
--	-----	---------

KEY TO THE IMMATURE FORMS OF SARCOPHAGID LARVAE FROM WEST BENGAL	...	205-208
--	-----	---------

<u>Parasarcophaga</u> (s.str.) <u>albiceps</u> (Meigen)	...	208
---	-----	-----

<u>Parasarcophaga</u> (s.str.) <u>orchidea</u> (Boettcher)	...	212
--	-----	-----

<u>Parasarcophaga</u> (<u>Liosarcophaga</u>) <u>dux</u> (Thomson)	...	215
---	-----	-----

<u>Parasarcophaga</u> (<u>Liosarcophaga</u>) <u>brevicornis</u> (Ho)	...	219
--	-----	-----

<u>Parasarcophaga</u> (<u>Liopygia</u>) <u>ruficornis</u> (Fabricius)	...	223
---	-----	-----

V. SUMMARY	...	227-228
------------	-----	---------

VI. REFERENCES	...	229-271
----------------	-----	---------

VII. LIST OF PUBLICATIONS OF THE AUTHOR		
---	--	--

VIII. PLATES AND EXPLANATIONS OF THE PLATES		
---	--	--