

TABLE OF CONTENTS

GENERAL

SYSTEMATIC ACCOUNT OF TAXA	iv	SPECIAL PART	55
FOREWORD	xi	Chapter III. Ephemeroptera in wider and narrower	
New terms, taxa names and synonyms	xi	senses (see page vi)	55
Collection deposition	xii	Chapter IV. Euplectoptera Posteritorna (see page vi)	61
Acknowledgements	xii	Chapter V. Euplectoptera Anteritorna: general	
Warnings	xiii	diagnosis and Tridentiseta (see page vi)	71
INTRODUCTION	1	Chapter VI. Anteritorna Bidentiseta: general	
A brief history of mayfly classification	1	diagnosis and Branchitergaliae (see page vi)	123
Methods of associating larvae and adults	3	Chapter VII. Bidentiseta Furcatergaliae (see page vii)	211
Principles of non-ranking zoological nomenclature	6	Appendix. Mayflies of uncertain systematic position	
Why do different types of nomenclature coexist?	6	(see page ix)	353
Rank-based nomenclatures	8	INDEX OF CHARACTERS	363
Hierarchy-based nomenclatures	8	[1] Larva	363
Circumscription-based nomenclatures	10	[1.1] Head and its appendages	363
Criteria of availability for circumscription-based		[1.2] Thorax and its appendages	369
names	10	[1.3] Abdomen and its appendages	372
Circumscription match	11	[2] Imago and subimago	378
Validity of circumscription-based names	11	[2.1] Head and its appendages	378
Combining circumscription-based and hierarchy-based		[2.2] Thorax and its appendages	379
nomenclature	12	[2.3] Abdomen and its appendages	386
Use of different nomenclatures	12	[3] Egg	288
Format of species name in non-rank-based		REFERENCES	389
nomenclature	12	ALPHABETIC INDEXES	409
New names	13	Index of species names	409
Sliding binomina and polynomina	13	Index of supraspecies taxa names	431
The layout of a taxonomic paper	14	Index of terms	437
Fonts	15	LIST OF FIGURES AND TABLES	441
Citation of authors and dates	15	LIST OF ABBREVIATIONS	442
Phylogenetic status of taxon	15		
GENERAL PART	17		
Chapter I. Systematic position of Ephemeroptera	17		
Chapter II. Morphology of mayflies	21		
Stages of development	21		
Larva	21		
Subimago and imago	22		
Head	23		
Eyes	23		
Antennae	23		
Mouth apparatus	24		
Thorax	26		
General structure	26		
Pterothorax of imago and subimago	26		
Wings	30		
Legs	32		
Abdomen	34		
General structure	34		
Tergalii	35		
Genitals	36		
Abdominal segment X and caudalii	37		
Internal anatomy	39		
Alimentary canal and Malpighian tubes	39		
Tracheal system	40		
Nerve system	40		
Reproductive system	41		