

CONTENTS

Dedication	iii
Abstract	317
Introduction	319
Objectives	320
Methods	320
Species Accounts	322
Major Collecting Sites	322
Lowland Sites (Below 500 m)	323
Isolated Highland Sites (Above 1400 m)	328
Upland Sites (Between 500–1400 m)	329
Abbreviations of Scientific Collections Used	329
Identification of Specimens	330
Key to the Orders of Amphibia of Guyana	332
Key to the Families and Many Species of Anura (Frogs and Toads) of Guyana	332
Key to Frogs of the Families Allopnyridae and Centrolenidae of Guyana	335
Key to Frogs of the Families Aromobatidae and Dendrobatidae of Guyana	336
Key to Frogs and Toads of the Family Bufonidae of Guyana	338
Key to Frogs of the Families Ceuthomantidae, Craugastoridae, and Eleutherodactylidae of Guyana	339
Key to Frogs of the Family Hemiphractidae (<i>Stefania</i>) of Guyana	340
Key to Frogs of the Family Hylidae of Guyana	341
Key to Hyliid Frogs of the Genus <i>Phyllomedusa</i> of Guyana	345
Key to Frogs of the Family Leptodactylidae of Guyana	346
Key to the Gymnophiona (Caecilians) of Guyana	348
Key to the Major Groups of Reptilia (Excluding Birds) of Guyana	348
Key to the Crocodylia of Guyana	349
Key to the Amphisbaenians (Worm Lizards) of Guyana	349
Key to the Lizards of Guyana	350
Key to the Genera and Most Species of Snakes of Guyana	356
Key to Snakes of the Genus <i>Atractus</i> of Guyana	364
Key to Snakes of the Genus <i>Chironius</i> of Guyana	364
Key to Snakes of the Genus <i>Dipsas</i> of Guyana	365
Key to Snakes of the Genus <i>Liophis</i> of Guyana	365
Key to Most Snakes of the Genus <i>Micrurus</i> of Guyana	366
Key to Snakes of the Genus <i>Oxyrhopus</i> of Guyana	366
Key to the Testudinata (Turtles and Tortoises) of Guyana	366
Species Accounts: Amphibia	368
Species Accounts: Amphibia: Anura (Frogs and Toads)	368
Allopnyridae	368
Aromobatidae	370
Bufonidae	374
Centrolenidae	381
Ceratophryidae	385
Ceuthomantidae	385
Craugastoridae	386
Dendrobatidae	390
Eleutherodactylidae	393
Hemiphractidae	394
Hylidae	399
Leptodactylidae	420
Microhylidae	429
Pipidae	435
Ranidae	435
Species Accounts: Amphibia: Gymnophiona (Caecilians)	436
Caeciliidae	436
Rhinatrematidae	438
Siphonopidae	438

PROCEEDINGS OF THE BIOLOGICAL SOCIETY OF WASHINGTON

Typhlonectidae	440
Species Accounts: Reptilia	441
Species Accounts: Reptilia: Crocodylia	441
Alligatoridae	441
Species Accounts: Reptilia: Squamata: Amphisbaenians or Worm Lizards	443
Amphisbaenidae	443
Species Accounts: Reptilia: Squamata: Lizards	445
Iguanian Lizards	445
Corytophanidae	446
Gekkonidae	446
Gymnophthalmidae	447
Iguanidae	458
Polychrotidae	459
Scincidae	463
Sphaerodactylidae	464
Teiidae	468
Tropiduridae	473
Species Accounts: Reptilia: Squamata: Snakes	476
Aniliidae	477
Anomalepidae	477
Boidae	478
Colubridae, sensu lato	481
Elapidae	512
Leptotyphlopidae	516
Typhlopidae	517
Viperidae	518
Species Accounts: Reptilia: Testudinata (Turtles and Tortoises)	523
Chelidae	524
Cheloniidae	525
Dermochelyidae	527
Geoemydidae	528
Kinosternidae	529
Podocnemididae	529
Testudinidae	530
Species Reported From Guyana but Probably in Error	532
<i>Tretioscincus bifasciatus</i>	532
<i>Liophis juliae</i>	532
<i>Micrurus circinalis</i>	533
<i>Typhlops lumbricalis</i>	533
Additional Species Possible (As Yet Undocumented)	533
New Species	533
Other Species	534
Discussion	534
Biogeography	534
Comparisons of Faunas at Different Sites	534
Estimating Effectiveness and Completeness of Sampling	534
Estimating Faunal Resemblance Between Various Localities	539
The Lowland Faunal Comparisons	540
Isolated Highland Sites (Above 1400 m Elevation)	542
The Isolated Highland Faunal Comparisons	543
Comparisons of Lowland vs. Isolated Highland Sites	544
Areas of Endemism and Other Special Areas	545
Endangered Species	547
Summary and Conclusions	549
Acknowledgments	550
Literature Cited	552
Appendix 1. Species Added to the Guyana Herpetofauna After Completion of Our Text	574
Appendix 2. List of Currently Known Herpetofauna of Guyana (324 Species)	575
Plate Legends and Plates	580