

Contents

Preface by Bill BRANCH	7	Genus <i>Archaius</i>	150
Acknowledgments	8	<i>Archaius tigris</i>	150
Introduction	9	Genus <i>Bradypodion</i>	157
An overview of the systematics of the African chameleons	12	Key to the genus <i>Bradypodion</i>	158
Zoogeography and patterns of distribution of the Chamaeleonidae	27	<i>Bradypodion atromontanum</i>	159
Environmental challenges and behavioural adaptations for survival	36	<i>Bradypodion caeruleogula</i>	163
Myths and legends	46	<i>Bradypodion caffer</i>	168
Some aspects on the biology of the Chamaeleonidae	49	<i>Bradypodion damaranum</i>	172
Locomotion	49	<i>Bradypodion dracomontanum</i>	175
Vision	50	<i>Bradypodion gutturale</i>	178
Prey capture	51	<i>Bradypodion kentanicum</i>	182
The tongue	51	<i>Bradypodion melanocephalum</i>	188
Colour change	52	<i>Bradypodion nemorale</i>	191
Thermoregulation	53	<i>Bradypodion ngomeense</i>	196
The senses	54	<i>Bradypodion occidentale</i>	201
Ecdysis	54	<i>Bradypodion pumilum</i>	203
Hibernation	55	<i>Bradypodion setaroi</i>	211
Dentition	55	<i>Bradypodion taeniabronchum</i>	214
Reproductive physiology	55	<i>Bradypodion thamnobates</i>	217
Peritoneal pigmentation and infrared reflectance	55	<i>Bradypodion transvaalense</i>	221
Precopulatory behaviour and copulation	55	<i>Bradypodion ventrale</i>	226
Reproductive strategy	58	Genus <i>Kinyongia</i>	233
Shape, size and body patterns	59	Key to the genera <i>Kinyongia</i> and <i>Nadzikambia</i>	234
Rostral processes and other head ornamentation	61	<i>Kinyongia adolfifrigerici</i>	236
Sexual dimorphism	61	<i>Kinyongia asheorum</i>	238
Claws	61	<i>Kinyongia boehmei</i>	240
Palms and soles of the feet	62	<i>Kinyongia carpenteri</i>	242
Accessory plantar spines	62	<i>Kinyongia excubitor</i>	246
Tarsal spurs	62	<i>Kinyongia fischeri</i>	249
Scalation	64	<i>Kinyongia gyrolepis</i>	253
Dermal pits	64	<i>Kinyongia itombwensis</i>	254
An overview of the systematics and biology of the African pygmy chameleons	65	<i>Kinyongia magomberae</i>	257
Key to the African pygmy chameleons	66	<i>Kinyongia matschiei</i>	259
Genus <i>Rhampholeon</i>	68	<i>Kinyongia msuyae</i>	264
Subgenus <i>Bicuspis</i>	68	<i>Kinyongia multituberculata</i>	269
<i>Rhampholeon (Bicuspis) gorongosae</i>	68	<i>Kinyongia mulyai</i>	274
<i>Rhampholeon (Bicuspis) marshalli</i>	72	<i>Kinyongia oxyrhina</i>	277
Subgenus <i>Rhampholeon</i>	77	<i>Kinyongia rugegensis</i>	280
<i>Rhampholeon (Rhampholeon) spectrum</i>	77	<i>Kinyongia tavetana</i>	283
<i>Rhampholeon (Rhampholeon) spinosus</i>	82	<i>Kinyongia tenuis</i>	288
<i>Rhampholeon (Rhampholeon) temporalis</i>	86	<i>Kinyongia tolleyae</i>	295
<i>Rhampholeon (Rhampholeon) viridis</i>	89	<i>Kinyongia uluguruensis</i>	300
Subgenus <i>Rhinodigitum</i>	92	<i>Kinyongia uthmoelleri</i>	305
<i>Rhampholeon (Rhinodigitum) acuminatus</i>	93	<i>Kinyongia vanheygeni</i>	311
<i>Rhampholeon (Rhinodigitum) beraduccii</i>	97	<i>Kinyongia vosseleri</i>	317
<i>Rhampholeon (Rhinodigitum) boulengeri</i>	98	<i>Kinyongia xenorhina</i>	319
<i>Rhampholeon (Rhinodigitum) bruessoworum</i>	102	Genus <i>Nadzikambia</i>	327
<i>Rhampholeon (Rhinodigitum) chapmanorum</i>	105	<i>Nadzikambia baylissi</i>	327
<i>Rhampholeon (Rhinodigitum) hattinghi</i>	109	<i>Nadzikambia mlanjensis</i>	329
<i>Rhampholeon (Rhinodigitum) maspictus</i>	111	Genus <i>Chamaeleo</i>	333
<i>Rhampholeon (Rhinodigitum) moyeri</i>	115	Key to the genus <i>Chamaeleo</i>	336
<i>Rhampholeon (Rhinodigitum) nchisiensis</i>	118	<i>Chamaeleo africanus</i>	336
<i>Rhampholeon (Rhinodigitum) nebulauctor</i>	123	<i>Chamaeleo anchietae</i>	343
<i>Rhampholeon (Rhinodigitum) platyceps</i>	125	<i>Chamaeleo arabicus</i>	349
<i>Rhampholeon (Rhinodigitum) tilburyi</i>	131	<i>Chamaeleo calcaricarens</i>	351
<i>Rhampholeon (Rhinodigitum) uluguruensis</i>	132	<i>Chamaeleo calypttratus</i>	355
Genus <i>Rieppeleon</i>	135	<i>Chamaeleo chamaeleon</i>	361
<i>Rieppeleon brachyurus</i>	137	<i>Chamaeleo dilepis</i>	368
<i>Rieppeleon brevicaudatus</i>	139	<i>Chamaeleo gracilis</i>	386
<i>Rieppeleon kerstenii</i>	144		

<i>Chamaeleo laevigatus</i>	394	<i>Trioceros kinangopensis</i>	525
<i>Chamaeleo monachus</i>	398	<i>Trioceros kinetensis</i>	527
<i>Chamaeleo namaquensis</i>	405	<i>Trioceros laterispinis</i>	530
<i>Chamaeleo necasi</i>	413	<i>Trioceros marsabitensis</i>	534
<i>Chamaeleo senegalensis</i>	416	<i>Trioceros melleri</i>	537
<i>Chamaeleo zeylanicus</i>	420	<i>Trioceros montium</i>	541
Genus <i>Trioceros</i>	425	<i>Trioceros narraioca</i>	545
Key to the genus <i>Trioceros</i>	426	<i>Trioceros ntunte</i>	549
<i>Trioceros affinis</i>	428	<i>Trioceros nyirit</i>	554
<i>Trioceros balebicornutus</i>	433	<i>Trioceros oweni</i>	556
<i>Trioceros bitaeniatus</i>	436	<i>Trioceros perreti</i>	561
<i>Trioceros camerunensis</i>	441	<i>Trioceros pfefferi</i>	565
<i>Trioceros chapini</i>	444	<i>Trioceros quadricornis</i>	567
<i>Trioceros conirostratus</i>	447	<i>Trioceros rudis</i>	575
<i>Trioceros cristatus</i>	452	<i>Trioceros schoutedeni</i>	582
<i>Trioceros deremensis</i>	456	<i>Trioceros schubotzi</i>	586
<i>Trioceros ellioti</i>	460	<i>Trioceros serratus</i>	589
<i>Trioceros feae</i>	467	<i>Trioceros sternfeldi</i>	592
<i>Trioceros fuelleborni</i>	469	<i>Trioceros tempeli</i>	597
<i>Trioceros goetzei</i>	473	<i>Trioceros weneri</i>	601
<i>Trioceros hanangensis</i>	482	<i>Trioceros wiedersheimi</i>	608
<i>Trioceros harennae</i>	486	Museum or collection acronyms used in the text	610
<i>Trioceros hoehnelii</i>	491	Chameleons by countries	611
<i>Trioceros incornutus</i>	498	Valid names and synonyms	614
<i>Trioceros ituriensis</i>	502	Ethnic names for chameleons	618
<i>Trioceros jacksonii</i>	507	Glossary of terms used in the atlas	620
<i>Trioceros johnstoni</i>	518	Bibliography	624