

CONTENTS

Foreword by Roger S. Seymour xi

Preface xvii

Acknowledgments xxi

Part I. The Story in the Rocks

ONE

A Narrative of Travels 3

TWO

Conquering Land: Ticking Boxes 16

THREE

The Karoo 41

FOUR

The Permo-Triassic Kick-Start 53

FIVE

Reptile Takeover 68

SIX

The Great Shrinking 83

CONTENTS

SEVEN

Feathers and Fur 95

EIGHT

Taking to the Air 111

NINE

The Heat of Darkness 122

Part II. The Story in the Bloods

TEN

The Day of Reckoning 145

ELEVEN

Clown Mouse and Golden Mole 170

TWELVE

Madness 185

THIRTEEN

Ankarafantsika 195

FOURTEEN

Ancient Hibernation 209

FIFTEEN

Twenty-Four Nipples 230

SIXTEEN

The Pronghorn Pinnacle 241

SEVENTEEN

Cool Sperm 260

EIGHTEEN

Why We Are Hot 284

CONTENTS

APPENDIX ONE

Heat on Demand 307

APPENDIX TWO

Nasal Evaporative Cooling 313

APPENDIX THREE

Family Trees 315

References 323

Index 345