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| Altri autori (Persone) | BrockieKeith |
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| Nota di contenuto | Front Cover; The Migration Ecology of Birds; Copyright Page; Contents; Preface; Chapter 1 Introduction; TYPES OF BIRD MOVEMENTS; ADAPTATIONS FOR MIGRATION; THE DIVERSITY OF MIGRATION; SEDENTARY POPULATIONS; HIBERNATION; SUMMARY; Chapter 2 Methodology; OBSERVATIONS OF BIRDS ON MIGRATION; RADAR AND OTHER DEVICES; DISTRIBUTION STUDIES; RINGING; RADIO-TRACKING; ISOTOPES AND OTHER MARKERS; CONNECTIVITY; STOPOVER ECOLOGY; LABORATORY RESEARCH ON PHYSIOLOGY, MIGRATORY RESTLESSNESS AND DIRECTIONAL PREFERENCES; BREEDING PROGRAMMES; MATHEMATICAL MODELS; CONCLUDING REMARKS; SUMMARY PART ONE: THE MIGRATORY PROCESS Chapter 3 Migratory flight; BODY WEIGHT, SPEED AND FLIGHT MODE; FLAPPING AND SOARING FLIGHT; THE CONCEPT OF ENERGY HEIGHT; CONCLUSIONS ON THE ROLE OF BODY SIZE IN BIRD MIGRATION; THE NEED FOR REST; MIGRATION BY WALKING OR SWIMMING; CONCLUDING REMARKS; SUMMARY; Chapter 4 Weather effects and other aspects; MIGRATION AND WEATHER; ALTITUDE OF MIGRATION; DIURNAL AND NOCTURNAL FLIGHT; SOCIAL FACTORS; REVERSE MIGRATION; SUMMARY; Chapter 5 Fueling the flights; ENERGY NEEDS AND BODY COMPOSITION; MIGRATION MODE; |

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EXAMPLES OF CHANGES IN BODY COMPOSITION FAT CHICKS;
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AUTUMN DEPARTURE; DEFERRED RETURN TO BREEDING AREAS;
HORMONAL ISSUES; CONCLUDING REMARKS; SUMMARY; PART THREE:
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LATITUDINAL TRENDS

Sommario/riassunto

This book presents an up-to-date, detailed and thorough review of the most fascinating ecological findings of bird migration. It deals with all aspects of this absorbing subject, including the problems of navigation and vagrancy, the timing and physiological control of migration, the factors that limit their populations, and more. Author, Ian Newton, reveals the extraordinary adaptability of birds to the variable and changing conditions across the globe, including current climate change. This adventurous book places emphasis on ecological aspects, which have received only scant attention in pr
