

An annotated checklist of birds of the Dinagat Islands, Philippines

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Abstract

The Dinagat Islands hold a large and varied avian fauna with high rate of endemism and species of conservation concern. However, anthropogenic activities pose a grave threat to the avian diversity of these islands. We conducted a three-year (2017–2019) avifaunal survey using mist-nets to inventory the avian species of the islands. We recorded 37 species in 22 families. Seventeen species are Philippine endemic, one species is of conservation concern, and two species are newly recorded from the Dinagat Islands. We also present an annotated checklist of bird species of the Dinagat Islands based on our own surveys, three published studies, and an online database; 246 species in 71 families are included. The results of our study highlight the need for further assessment to conserve the island's avifaunal community, especially with increasing threats of anthropogenic disturbance.

Keywords

Avifauna, island diversity, mist netting, new island records, species inventory

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Introduction

The Philippines hosts a rich array of natural habitats leading to a diverse flora and fauna, both in terrestrial and marine ecosystems. The complex biological diversity of the Philippines, coupled with high rates of endemism, is an important component of the Earth's overall biological diversity, such that the Philippines is one of the 17 mega-diverse countries with an estimated total of 52,177 species of which 20,000 species are endemic (Mittermeier et

al. 1999 in Ambal et al. 2012; Ong et al. 2002; Posa et al. 2008). The Philippines boasts one of the richest avifaunas in the world, representing almost 6% of the world's total bird species, with 709 species of which 241 are endemic (Achondo et al. 2012; Panopio and Pajaro 2014; Jensen et al. 2020). Moreover, with the increasing monitoring of bird populations as well as in the population of ornithologist and avid bird watchers, new observations

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The Birds Of The Philippines An Annotated Checklist:

A Guide to the Birds of the Philippines Robert Kennedy, 2000-09-21 This first and only guide to cover all the birds of the Philippines includes all 572 species known to inhabit within the 7 100 islands that comprise the Philippines Illustrated with 72 specially painted color plates showing all species recorded from the Philippines and 500 maps **Historical Dictionary of the Philippines** Artemio R. Guillermo, 2011-12-16 Asia is one of the most rapidly developing regions in the world and knowledge of the individual countries is crucial for our understanding of the area The Republic of the Philippines composed of a chain of islands in Southeast Asia became a Spanish colony during the 16th century and was then ceded to the United States following the Spanish American War After independence in the 20th century the Filipino people suffered under the 20 year rule of the dictator Ferdinand Marcos which ended as a result of a people power movement in 1986 Since then the history of the Philippines has been marked by several more political coups but a growing economy and democratic elections are increasing stability in the country Artemio R Guillermo covers more than four centuries of Filipino history in this newly expanded and updated third edition of the Historical Dictionary of the Philippines which contains more than four hundred entries on important persons places events and institutions An updated introduction with a detailed chronology precedes the dictionary and lays out the current situation in the region while a comprehensive bibliography at the end of the dictionary leads the reader to additional sources This book is an excellent access point for students researchers and anyone wanting to know more about the Philippines *Photographic Guide to the Birds of Thailand* Morten Strange, 2015-11-03 Tuttle is proud to present the very first comprehensive photographic guide to the birds of mainland Southeast Asia the Philippines and Borneo Included are the birds of Peninsular Malaysia Thailand and Indochina as well as those found in South China Hong Kong and Taiwan This book covers 668 species and contains more than 700 colour photographs There is a distribution map for each species Many of the photographs in this magnificent volume appear for the first time and have been carefully selected to show the most important species The concise text provides vital information that will ensure accurate identification of species in one of the world's most diverse avifauna regions Indispensable reading for all bird lovers **Owls of the World** Claus König, Friedhelm Weick, Jan-Hendrik Becking, 2009-01-01 Owls are enduringly popular birds but due to their nocturnal habits most species are difficult to see well The plumages of many species are cryptic and difficult to separate by plumage alone This problem is compounded by the different morphs that many adopt This book fully describes every known species and subspecies of owl as well as presenting the latest evidence on owl taxonomy based on DNA work and vocalisations Because voice is vital in owl identification much emphasis is placed on it in the book and sonograms are provided for many species A CD of owl vocalisations will accompany the book **Photographic Guide to the Birds of Malaysia & Singapore** Morten Strange, 2000-06-10 Whether traveling through Southeast Asia or relaxing at home bird lovers will enjoy this thorough and colorful Malaysian Singapore bird watching guide This illustrated bird watching book is

the first comprehensive photographic guide to the birds of Malaysia and Singapore mainland Southeast Asia the Philippines and Borneo Included are the birds of Thailand and Vietnam as well as those found in South China Hong Kong and Taiwan This birding book covers 668 species and contains more than 700 color photographs There is a distribution map for each species Many of the photographs in this magnificent volume appear for the first time and have been carefully selected to show the most important species The concise text provides vital information that will ensure accurate identification of species in one of the world s most diverse avifauna regions Indispensable reading for all bird lovers

The Cranes Curt Meine, George Archibald, 1996 The Cranes are among the most ancient and distinctive families of birds on Earth yet they are among the world s most threatened groups of birds This Action Plan describes the many different sorts of threats facing cranes especially as they migrate through different countries and the many solutions that have been attempted to overcome them It is intended for all those involved in crane conservation including conservation biologists conservation organizations other non governmental organizations inter national development agencies political civic and business leaders funding agencies and foundations educators and members of the general public

Parrots Mike Parr, Tony Juniper, 2010-07-30 This is the first book created primarily for the field identification of parrots one of the most familiar and colorful groups of birds From the mighty macaws to the diminutive pygmy parrots the 350 species of parrots include cockatoos parakeets lovebirds and Budgerigar Most are brightly colored or even gaudy but a few are drab and some are nocturnal and flightless Parrots found throughout most of the warmer regions of the world occur in greatest numbers in Australasian and South America This book includes 88 superb color illustrations of every species and most identifiable subspecies of parrot as well as range maps of their locations It offers many firsthand insights into the ecology of each species vocalizations life cycle characteristics and geographical variation It also provides up to date information on the conservation status of those species of parrots that are threatened or endangered

Invasive Birds Colleen T. Downs, Lorinda A. Hart, 2020-12-07 Examining globally invasive alien birds the first part of this book provides an account of 32 global avian invasive species as listed by the Invasive Species Specialist Group ISSG It acts as a one stop reference volume it assesses current invasive status for each bird species including details of physical description diet introduction and invasion pathways breeding behaviour natural habitat It also looks at the environmental impact of each species as well as current and future control methods Full colour photographs assist with species identification and global distribution maps give a visual representation of the current known distributions of these species The second part of the book discusses the biogeographical aspects of avian invasions highlighting current and emerging invasive species across different regions of the world The third section considers the impact of invasive species on native communities problems associated with invasive bird management and the use of citizen science in the study of invasive birds

Robins and Chats Peter Clement, 2016-01-28 This authoritative handbook part of the Helm Identification Guides series looks in detail at the world s 170 species of robins and chats This large family of small passerines was formerly

considered to be part of the thrush family Turdidae but is now usually treated as a separate family Muscicapidae together with the Old World flycatchers The vast majority of species are Eurasian or African with only a handful of species straying into the New World or Australasia The Australian Robins although superficially similar have long been regarded as a separate family Robins and chats are a diverse family comprising both highly colourful and visible species such as the robin chats of Africa as well as some of the most skulking and elusive birds such as the shortwings of Asia Many chats such as the well known Nightingale are renowned songsters and a good number are highly sought after by world listers for their extreme rarity or simply because they are hard to see This book discusses the identification and habits of these birds on a species by species basis bringing together the very latest research with accurate range maps more than 600 stunning colour photographs that illustrate age and racial plumage differences and 64 superb colour plates by the internationally renowned artist Chris Rose This authoritative and sumptuous book will be an essential purchase for all chat enthusiasts and will become the standard reference on the subject for many years to come

Sunbirds of the World Robert A. Cheke, Clive F. Mann, 2025-06-12 This is a gorgeous book about some of the world's most gorgeous birds JARED DIAMOND Sunbirds are among the most striking of all bird groups their dazzling iridescent plumage and long curved bills are conspicuous when the birds visit garden flowers on sunny days to feed on nectar Some species especially the females are duller in appearance and harder to spot feeding mostly on insects high up in forest canopies Spiderhunters as their name suggests feed extensively on spiders while sunbirds other close relatives the flowerpeckers are especially partial to mistletoe berries This book is the last word on sunbird identification ecology and behaviour Now in its second edition it has been fully revised and updated to reflect the many developments that have occurred in sunbird taxonomy as well as the new research that has been published on their biology It covers all 218 currently recognised species providing details of key identification features voice habitat distribution conservation status movements food and behaviour New colour art by award winning artist Richard Allen has been added and hundreds of high quality colour photographs beautifully capture every species Maps accurately depict geographical distributions of each taxon to subspecies level This beautiful book is the definitive reference to the sunbirds flowerpeckers spiderhunters and sugarbirds of the world and is essential reading for researchers birders and conservationists alike

Raptors of the World David A. Christie, James Ferguson-Lees, 2010-07-30 Covering every species of raptor on the planet this book is perfect for anyone with an interest in birds of prey Birdwatch This guide covers all the world's 313 raptor species illustrated with adult juvenile and selected immature plumages as well as main geographical races There are illustrations of over 2000 perched and flying birds some with typical prey and facing texts summarising length wingspan male to female proportion shape and flight The text is further enhanced with line drawings illustrating specific points about identification and behaviour

Contributions to the Birds of the Philippines Masauji Hachisuka, 1929

The Avian Brood Parasites Paul A. Johnsgard, 1997-11-06 The evolutionary ecological and behavioral questions posed by

obligate brood parasites are among the most intriguing of all contemporary ornithological topics Avian brood parasites lay their eggs in the nests of other birds and may be a major contributing factor driving several species of songbirds to near extinction As one of the first books to present a comprehensive overview of this fascinating phenomenon this work discusses the comparative biology and co evolutionary adaptations exhibited by the five families of birds that engage in such behavior Several chapters dealing with the comparative biology of both intraspecific and interspecific brood parasites are followed by individual accounts of all known species nearly 100 altogether primarily cowbirds and cuckoos Some of the more remarkable behavioral and structural adaptations of these birds include egg mimicry juvenile mimicry elimination by starvation or actual attack of other nestlings or host eggs and even the learning and partial mimicry of host song traits An extended glossary a list of Latin names 400 literature citations and range maps of all parasitic species discussed are also included Detailed line drawings by the author enhance this synthesis of biological and ecological information **The Cuckoos** Robert B.

Payne,Michael D. Sorensen,2005-07-14 Publisher Description **Silliman Journal** ,2001 *Avian Brood Parasitism*
Manuel Soler,2018-05-02 Brood parasitism has become one of the most flourishing areas of research in evolutionary ecology and one of the best model systems for investigating coevolution This subject has undergone remarkable advances during the last two decades but has not been covered by any book in the 21st century This book offers a comprehensive and up to date overview of the fascinating field of avian brood parasitism The topics covered include conspecific brood parasitism evolution and phylogenetic history of avian brood parasites parasitic behaviour used by brood parasites adaptations and counter adaptations of brood parasites and their hosts at every stage of the breeding cycle before laying egg chick and fledgling stages factors affecting the evolution of host defences and parasitic attacks the role of phenotypic plasticity in host defences mechanisms driving egg recognition and rejection evolution of nest sharing or nest killing by brood parasite chicks begging behaviour in parasitized nests and food delivery by host adults and recognition of conspecifics by juvenile brood parasites This volume provides a comprehensive reference resource for readers and researchers with an interest in birds behaviour and evolution as well as a source of hypotheses and predictions for future investigations into this dynamic subject

Cuckoos of the World Johannes Erritzøe,Clive F. Mann,Frederik Brammer,Richard A. Fuller,2012-03-29 WINNER OF THE BIRDWATCH BOOK OF THE YEAR 2012 This authoritative handbook part of the Helm Identification Guides series looks in detail at the world s cuckoos couas and anis it is the ultimate reference to the cuckoos of the world Famed as brood parasites of other birds the cuckoos include a diverse range of species from the roadrunners of North America to the spectacular malkohas of southern Asia This book discusses the biology and identification of these birds on a species by species basis bringing together the very latest research with accurate range maps more than 600 stunning colour photographs that illuminate age and racial plumage differences and 36 superb plates by a team of internationally renowned artists

Sylvatrop ,1999 **Raptors of the World** James Ferguson-Lees,David A. Christie,2001 Plates 1 3 illustrate

representatives in flight of all 78 genera grouped by size and zoogeographical regions **Reed and Bush Warblers** Peter Kennerley, David Pearson, 2010-11-30 This detailed and comprehensive identification guide follows in the mould of Sylvia Warblers and Pipits and Wagtails It primarily covers the genera Acrocephalus Locustella Cettia and Bradypterus together with a few smaller related genera To the uninitiated these are the archetypal little brown jobs and as if they weren't hard enough to identify anyway many of them are hard to see as well This authoritative handbook covers their identification in breathtaking detail illustrated with line drawings sonograms wonderful colour plates and photographs It is destined to become the ultimate reference for these challenging birds

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