

complete field guides.

Following the species accounts, detailed directions for accessing 16 birdwatching sites are provided. Easily followed maps are accompanied by written directions, as well as descriptions of the sites, the habitats, and birds that may be expected throughout the year and during migration. An additional 12 sites are also described in less detail and without maps.

Finally, the book concludes with a complete checklist of the 132 species of birds recorded since 1990 on Anguilla. The status of each species is given on a monthly basis, as well as an estimation of its status year-round.

I found this guide to the birds of Anguilla to be a pleasing and attractive book with few errors or typographic mistakes. The book is much better written than many of this sort, with some sections hav-

ing an almost poetic quality—unique for a bird guide! For example, in Anguilla, “Laughing Gulls with their dark heads, smoky grey wings with black wingtips, dance in attendance on the true fish-catchers, hoping to gather scraps or steal prey.” The authors have done a nice job of balancing the need for an introductory guide for students and visitors, while still presenting at least some information on all of the species known to occur. Although I was disappointed records prior to 1990 were not included (and I assume such records exist), I commend its authors and recommend the book for all visitors to Anguilla, and for any others who have an interest in bird distributions in the Caribbean.—  
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**RECENT ORNITHOLOGICAL LITERATURE FROM THE CARIBBEAN**

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Readers are invited to submit literature citations that should be highlighted in this section to STEVEN C. LATTA, *National Aviary, Allegheny Commons West, Pittsburgh, PA 15212, USA*; e-mail: [steven.latta@aviary.org](mailto:steven.latta@aviary.org).

ACEVEDO, M. A., AND C. RESTREPO. 2008. Land-cover and land-use change and its contribution to the large-scale organization of Puerto Rico’s bird assemblages. *Diversity and Distributions* 14:114-122.—Using Puerto Rican Breeding Bird Survey data and land-cover and land-use data extracted from Landsat images, we ask how island-wide changes in land cover and land use has influenced the large-scale organization of bird assemblages. Land use followed by climate explained most of the variation observed among routes in terms of species composition and abundance. E-mail: [miguel\\_a\\_acevedo@yahoo.com](mailto:miguel_a_acevedo@yahoo.com).

BEISSINGER, S. R., J. M. WUNDERLE, J. M. MEYERS, B. E. SAETHER, AND S. ENGEN. 2008. Anatomy of a bottleneck: diagnosing factors limiting population growth in the Puerto Rican Parrot. *Ecological Monographs* 78:185-203.—Analyzes the relative importance of genetic, demographic, environmental, and catastrophic processes that maintain a prolonged population bottleneck for *Amazona vittata* despite intensive conservation efforts. Reduced hatching success due to inbreeding, failure of

adults to nest, nest failure due to non-genetic causes, and reduced survival of adults and juveniles are responsible for maintaining the bottleneck. E-mail: [wunderle@coqui.net](mailto:wunderle@coqui.net).

COSGROVE, P. 2008. Grenada Dove *Leptotila wellsi* response to non-native ground predators. *Cotinga* 30:72-73.—E-mail: [pcosgrove@envirocentre.co.uk](mailto:pcosgrove@envirocentre.co.uk).

CRUZ, A., J. W. PRATHER, J. W. WILEY, AND P. F. WEAVER. 2008. Egg rejection behavior in a population exposed to parasitism: Village Weavers on Hispaniola. *Behavioral Ecology* 19:398-403.—Introduced *Ploceus cucullatus* existed without parasitism for at least two centuries until the arrival of the Shiny Cowbird (*Molothrus bonariensis*) in the 1970s. In this study, egg rejection increased as experimental eggs became increasingly different from the host eggs. Rejection rates for mimetic eggs, different color eggs, different-spotting eggs, and cowbird eggs was 23%, 33%, 61%, and 85%, respectively, with higher rejection of cowbird eggs in areas where cowbirds were observed. E-mail: [alexander.cruz@colorado.edu](mailto:alexander.cruz@colorado.edu).

FAABORG, J., K. M. DUGGER, AND W. J. ARENDT. 2007. Long-term variation in the winter resident bird community of Guánica Forest, Puerto Rico: lessons for measuring and monitoring species richness. *Journal of Field Ornithology* 78:270-278.—Results suggest that sampling for at least 3 consecu-

tive yr is needed to accurately characterize the winter bird community at a site. However, sampling for 5 yr is better, and 10-yr samples generate patterns similar to those based on the entire 34-yr sample. A 1-yr sample provides minimal information about the composition and characteristics of a winter resident bird community. E-mail: faaborgj@missouri.edu.

FALLON, S. M., E. BERMINGHAM, AND R. E. RICKLEFS. 2003. Island and taxon effects in parasitism revisited: avian malaria in the Lesser Antilles. *Evolution* 57: 606-615.—The identity and distribution of 12 genetically distinct malaria parasite lineages are described in four common passerine birds in the Lesser Antilles. Combined parasite prevalence demonstrates strong host effects, little or no island effect, and a significant host  $\times$  island interaction. Individual parasite lineages show considerable geographic structure (i.e., island effects) as well as species effects indicating that parasite lineages are constrained in their ability to move between hosts and locations. Patterns of host-parasite associations within this system suggest both historical coevolution and ecologically dynamic and independent host-parasite interactions. E-mail: rickleffs@umsledu.

FALLON, S. M., E. BERMINGHAM, AND R. E. RICKLEFS. 2005. Host specialization and geographic localization of avian malaria parasites: a regional analysis in the Lesser Antilles. *American Naturalist* 165: 466-480.—A genetic survey of avian malaria parasite lineages in the Lesser Antilles is used to describe their distributions across host species within a regional biogeographic context. Distributions of avian malarial parasites reveal evidence of coevolution, host switching, extinction, and periodic re-colonization events resulting in ecologically dynamic as well as evolutionarily stable patterns of infection. E-mail: rickleffs@umsl.edu.

HAYES, F. E. 2001. Identification of Least Tern *Sterna antillarum* and Yellow-billed Tern *S. supercilialis*, with a sight record of Yellow-billed Tern from Tobago, West Indies. *Cotinga* 15:10-13. E-mail: fhayes@puc.edu.

HAYES, F. E., N. A. TRIMM, B. SANASIE, AND R. P. FFRENCH. 2000. Breeding biology of the White-tailed Sabrewing at Tobago, West Indies. *Journal of Field Ornithology* 71:597-605.—Summarizes data from seven nests. E-mail: fhayes@puc.edu.

HAYES, F. E., G. L. WHITE, M. D. FROST, B. SANASIE, H. KILPATRICK, AND E. B. MASSIAH. 2002. First records of Kelp Gull *Larus dominicanus* for Trinidad and Barbados. *Cotinga* 18:85-88.—First records of this species in the Caribbean. E-mail:

fhayes@puc.edu.

JOHNSON, J. A., R. THORSTROM, AND D. P. MINDELL. 2007. Systematics and conservation of the Hook-billed Kite including the island taxa from Cuba and Grenada. *Animal Conservation* 10:349-359.—Mitochondrial DNA phylogenetic results suggest that Hook-billed Kites on Cuba and Grenada are unique; however, the Cuban kite has much greater divergence estimates (1.8-2.0% corrected sequence divergence) when compared with the mainland populations than does the Grenada hook-billed kite (0.1-0.3%). Our findings support species status for the Cuban form, as *Chondrohierax wilsonii*, and subspecific status for the Grenada form. E-mail: jeffaj@umich.edu.

LATTA, S. C., AND J. FAABORG. 2001. Winter site fidelity of Prairie Warblers in the Dominican Republic. *Condor* 103:455-468.—Over-wintering Prairie Warblers in a variety of habitats in the Dominican Republic exhibit habitat-specific demographies, site fidelity, and fitness indices. The results emphasize the importance of dry season events and habitat heterogeneity in the winter ecology of some species. E-mail: steven.latta@aviary.org.

LATTA, S. C., AND B. M. O'CONNOR. 2001. Patterns of *Knemidokoptes jamaicensis* (Acari: Knemidokoptidae) infestations among eight new avian hosts in the Dominican Republic. *Journal of Medical Entomology* 38: 437-440.—The ectoparasite, scaley-leg mite, is reported for the first time from the Caribbean, and is found to infect at least eight species of permanent resident and overwintering migratory bird species. E-mail: steven.latta@aviary.org.

LATTA, S. C., AND J. FAABORG. 2002. Demographic and population responses of Cape May Warblers wintering in multiple habitats. *Ecology* 83:2502-2515.—Cape May Warblers were studied in three habitats along an altitudinal gradient in the Dominican Republic. The data suggest that Cape May Warblers are habitat generalists and generally unspecialized resource opportunists, but that differences in food resources result in competitive interactions, sex and age class segregation, and differences in site fidelity and physiological condition among habitats. E-mail: steven.latta@aviary.org.

LATTA, S. C., H. GAMPER, AND J. TIETZ. 2001. Revising the convergence hypothesis of avian use of honeydew: evidence from Dominican subtropical dry forest. *Oikos* 93:250-259.—A scale-insect (genus *Stigmacoccus*) that produces honeydew is shown to be important to foraging birds, especially overwintering Cape May Warblers. E-mail: steven.

latta@aviary.org.

LATTA, S. C., M. L. SONDRAL, AND D. A. MEJÍA. 2002. Breeding behavior of the endangered Hispaniolan Crossbill (*Loxia megalaga*). *Ornitologia Neotropical* 13:225-234.—This represents the most complete study of the breeding biology of this endangered species. E-mail: steven.latta@aviary.org.

MCNAIR, D. B., L. D. YNTEMA, AND F. E. HAYES. 2008. Status of the Least Grebe *Tachybaptus dominicus* in the United States Virgin Islands. *Caribbean Journal of Science* 44:70-82.—Numerous reports of breeding pairs and non-breeding individuals of the regionally endangered Least Grebe at man-made freshwater ponds and salt ponds of the U. S. Virgin Islands since 2002. E-mail: dbmcnair@gmail.com.

SCHMALTZ, G., J. S. QUINN, AND C. LENTZ. 2008. Competition and waste in the communally breeding Smooth-billed Ani: effects of group size on egg-laying behaviour. *Animal Behaviour* 76:153-162.—A test of the competitive female egg-investment hypothesis in the communally breeding, joint-nesting *Crotophaga ani* which states that females respond to increased group size and egg-laying competition by trying to skew the contents of the final incubated clutch of eggs in their own favor by tossing and/or burying competitors' eggs and by producing more of their own eggs. E-mail: quinn@mcmaster.ca.

SCHMALTZ, G., J. S. QUINN, AND S. J. SCHOECH. 2007. Do group size and laying order influence maternal deposition of testosterone in Smooth-billed Ani eggs? *Hormones and Behavior* 53:82-89.—Results of this study support the idea that females may adaptively manipulate chick behavior through differences in hormonal deposition in the yolk of their eggs. Female *Crotophaga ani* can influence nestling competition and chick survival by differential allocation of testosterone in the yolks of eggs

within the clutch. E-mail: quinn@mcmaster.ca.

THORSTROM, R, AND D. MCQUEEN. 2008. Breeding and status of the Grenada Hook-billed Kite (*Chondrohierax uncinatus mirus*). *Ornitologia Neotropical* 19:221-228.—Provides information on the biology of an endemic subspecies. E-mail: rthorstrom@peregrinefund.org.

THERON, E., K. HAWKINS, E. BERMINGHAM, R. E. RICKLEFS, AND N. I. MUNDY. 2001. The molecular basis of an avian plumage polymorphism in the wild: a melanocortin-1-receptor point mutation is perfectly associated with the melanic plumage morph of the Bananaquit, *Coereba flaveola*. *Current Biology* 11:550-557.—Bananaquits occur as two major plumage variants, a widespread yellow morph and black melanic morph. A candidate gene for this color difference was sequenced from four Caribbean populations of the Bananaquit. A point mutation was shown to probably cause the color variation, as the same substitution is responsible for melanism in domestic chickens and mice. The melanic alleles on Grenada and St. Vincent had a single origin. E-mail: nick.mundy@bioanth.ox.ac.uk.

RICKLEFS, R. E. S. M. FALLON, AND E. BERMINGHAM. 2004. Evolutionary relationships, cospeciation, and host switching in avian malaria parasites. *Systematic Biology* 53:111-119.—Phylogenetic analyses of cytochrome b sequences of malaria parasites and their avian hosts were used to assess the coevolutionary relationships between host and parasite lineages. The absence of a global co-speciation signal despite conservative host distribution most likely reflects relatively frequent acquisition of new hosts by individual parasite lineages. Understanding these processes will require a more refined species concept for malaria parasites and more extensive sampling of parasite distributions across hosts. E-mail: ricklefs@umsl.edu.

## REVIEWERS OF VOLUME 22

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We thank the following individuals for reviewing manuscripts (more than one indicated in parentheses) for volume 22: Martin Acosta Cruz, Wayne Arendt, P. A. Buckley (2), Julie A. Craves (3), Dennis Denis Avila, Hiram González (2), Ruud van Halewijn, Alvaro Jaramillo, Ariam Jiménez (2), Susan Koenig (2), Oliver Komar (2), Beatrice

Kondo, James A. Kushlan (3), Steven G. Mlodynow, Kevin J. McGowan, Leopoldo Miranda-Castro (4), Joseph Morlan, Lourdes Mugica Valdes, William L. Murphy, Robert L. Norton, Kevin E. Omland, Tineke G. Prins, Antonio Rodríguez Suárez, Noel F. R. Snyder, Philip C. Stouffer, Adrienne G. Tossas, and George E. Wallace.