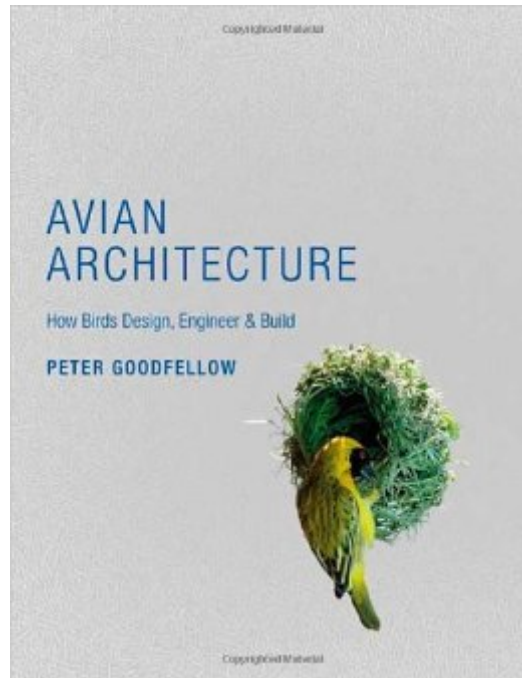


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# Avian Architecture: How Birds Design, Engineer, And Build



## Synopsis

Birds are the most consistently inventive builders, and their nests set the bar for functional design in nature. *Avian Architecture* describes how birds design, engineer, and build their nests, deconstructing all types of nests found around the world using architectural blueprints and detailed descriptions of the construction processes and engineering techniques birds use. This spectacularly illustrated book features 300 full-color images and more than 35 case studies that profile key species worldwide. Each chapter covers a different type of nest, from tunnel nests and mound nests to floating nests, hanging nests, woven nests, and even multiple-nest avian cities. Other kinds of avian construction--such as bowers and harvest wells--are also featured. *Avian Architecture* includes intricate step-by-step sequences, visual spreads on nest-building materials and methods, and insightful commentary by a leading expert. Illustrates how birds around the world design, engineer, and build their nests. Features architectural blueprints, step-by-step sequences, visual spreads on nest-building materials and methods, and expert commentary. Includes 300 full-color images. Covers more than 100 bird species worldwide.

## Book Information

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## Customer Reviews

This spring I had a great time watching robins hop around my yard, picking out old plant stalks and other bits and pieces to build their nests. There was a pair working on a nest in the rose trellis over our front sidewalk -- always an exciting location, because we can watch the parents feed their babies from our porch. Plus, every time someone passes through our front gate a bird comes flying out! Most nests are a little harder to see. They're usually in out-of-the-way places, and sometimes

fiercely protected -- as I once learned when some mockingbirds built a nest in my hedge (I was seriously concerned for a minute there that my eyes would get pecked out). And actually, it's bad when humans get too close to bird nests anyway -- some species will abandon a nest if they are too bothered by the intrusion. Peter Goodfellow gives us a better look in his book *Avian Architecture*, which won the 2011 American Publishers Awards for Professional and Scholarly Excellence (The PROSE Awards) in Popular Science & Popular Mathematics. Just take a moment to marvel at the diversity of bird nests. They range in complexity from the barely-there scrapes in the ground of the arctic tern to the elaborately woven nest of the oropendula; they range in size from the super-tiny cup nest of the ruby-throated hummingbird to the six-foot-deep and six-foot-wide nest of the African white stork. In addition to grasses and twigs, birds use rocks, mud, cacti, lichen, dandelion seeds, caterpillar silk, animal hairs, and spiderwebs to build their nests. Most surprising, perhaps, is the edible-nest swiftlet, which makes its nest entirely out of spit.

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