

Ants

Anna Claybourne

Dr. Eleanor's Book of Common Ants Eleanor Spicer Rice,Alex Wild,Rob Dunn,2017-08-03 Did you know that for every human on earth, there are about one million ants? They are among the longest-lived insects—with some ant queens passing the thirty-year mark—as well as some of the strongest. Fans of both the city and countryside alike, ants decompose dead wood, turn over soil (in some places more than earthworms), and even help plant forests by distributing seeds. But while fewer than thirty of the nearly one thousand ant species living in North America are true pests, we cringe when we see them marching across our kitchen floors. No longer! In this witty, accessible, and beautifully illustrated guide, Eleanor Spicer Rice, Alex Wild, and Rob Dunn metamorphose creepy-crawly revulsion into myrmecological wonder. Emerging from Dunn's ambitious citizen science project Your Wild Life (an initiative based at North Carolina State University), Dr. Eleanor's Book of Common Ants provides an eye-opening entomological overview of the natural history of species most noted by project participants—and even offers tips on keeping ant farms in your home. Exploring species from the spreading red imported fire ant to the pavement ant, and featuring Wild's stunning photography, this guide will be a tremendous resource for teachers, students, and scientists alike. But more than this, it will transform the way we perceive the environment around us by deepening our understanding of its littlest inhabitants, inspiring everyone to find their inner naturalist, get outside, and crawl across the dirt—magnifying glass in hand.

Secret Lives of Ants Jae Choe,2012-04 All of nature is revealed through the secret lives of the amazing ants.

Ants at Work Deborah M. Gordon,1999 A Stanford professor redefines how nature organizes itself--based on nearly two decades of research in the Arizona desert--in a revolutionary book that maintains that the ant queen is not in charge: there are no leaders. 14 line drawings.

The Ants Bert Hölldobler,Edward O. Wilson,1990 From the Arctic to South Africa - one finds them everywhere: Ants. Making up nearly 15% of the entire terrestrial animal biomass, ants are impressive not only in quantitative terms, they also fascinate by their highly organized and complex social system. Their caste system, the division of labor, the origin of altruistic behavior and the complex forms of chemical communication makes them the most interesting group of social organisms and the main subject for sociobiologists. Not least is their ecological importance: Ants are the premier soil turners, channelers of energy and dominatrices of the insect fauna. TOC:The importance of ants.- Classification and origins.- The colony life cycle.- Altruism and the origin of the worker caste.- Colony odor and kin recognition.- Queen numbers and domination.- Communication.- Caste and division of labor.- Social homeostasis and flexibility.- Foraging and territorial strategies.- The organization of species communities.- Symbioses among ant species.- Symbioses with other animals.- Interaction with plants.- The specialized predators.- The army ants.- The fungus growers.- The harvesters.- The weaver ants.- Collecting and culturing ants.- Glossary.- Bibliography.- Index.

Ants of Florida Mark Deyrup,2016-10-14 Ants are familiar to every naturalist, ecologist, entomologist, and pest control operator. The identification of the 233 species of Florida ants is technically difficult, and information on Florida ants is dispersed among hundreds of technical journal articles. This book uses detailed and beautiful scientific drawings for convenient identification. To most Florida biologists ants are currently the most inaccessible group of conspicuous and intrusive insects. This book solves the twin problems of ant identification and the extraordinary fragmentation of natural history information about Florida ants.

The Ants Wilhelm Goetsch,1957 Excerpt from The Ants: From time immemorial, ant communities have aroused interest and admiration.

Herodotus reports that ants dragged grains of gold from deep in the earth (and Solo mon says in his Proverbs. Go to the ant, thou sluggard, consider her ways and be wise. Which having no gurde, overseer or ruler, provideth her meat in the summer, and gathereth her food in the harvest.

Fast Facts about Ants Lisa J. Amstutz,2021 Say hello to tiny but mighty ants! Young readers will get the fast facts on these hardworking insects, including ant body parts, habitats, and life cycles. Along the way, they will also uncover surprising and fascinating facts. Simple text, close-up photos, and a fun activity make this a perfect introduction to the bustling world of ants.

Ants of North America Brian L. Fisher,Stefan P. Cover Ph. D.,2007-11-02 Ants are among the most conspicuous and the most ecologically important of insects. This concise, easy-to-use, authoritative identification guide introduces the fascinating and diverse ant fauna of the United States and Canada. It features the first illustrated key to North American ant genera, discusses distribution patterns, explores ant ecology and natural history, and includes a list of all currently recognized ant species in this large region. * New keys to the 73 North American ant genera illustrated with 250 line drawings ensure accurate identification * 180 color images show the head and profile of each genus and important species groups * Includes a glossary of important terms

Busy Ants Kristin L. Nelson,2004-01-01 Introduces the behavior, life cycle, and physical characteristics of ants and describes how ant colonies work.

Ants Karen Latchana Kenney,2019 Did you know there's a lot of action happening right beneath your feet? Amazing ant colonies are alive underground. The Queen lays eggs. Worker ants feed the Queen and the young. Soldier ants guard the colony from predator attacks. Discover how ants build their nests, communicate, and depend on one another to survive in their huge colonies.

Amazing Ants Megan Cooley Peterson,2019 Includes password on copyright page for accessing additional content within a downloadable Capstone 4D app.

A Field Guide to the Ants of New England Aaron M. Ellison,Nicholas J. Gotelli,Elizabeth J. Farnsworth,Gary D. Alpert,2012-11-01 This book is the first user-friendly regional guide devoted to ants—the “little things that run the world.” Lavishly illustrated with more than 500 line drawings, 300-plus photographs, and regional distribution maps as composite illustrations for every species, this guide will introduce amateur and professional naturalists and biologists, teachers and students, and environmental managers and pest-control professionals to more than 140 ant species found in the northeastern United States and eastern Canada. The detailed drawings and species descriptions, together with the high-magnification photographs, will allow anyone to identify and learn about ants and their diversity, ecology, life histories, and beauty. In addition, the book includes sections on collecting ants, ant ecology and evolution, natural history, and patterns of geographic distribution and diversity to help readers gain a greater understanding and appreciation of ants.

The Wonder World of Ants ,2008 Bronson, who is well known for his interesting stories of science, ventures into the world of ants and describes the different kinds, from devastating army ants to slave-making ants who kidnap the offspring of other tribes.

Ants and the Children of the Garden Joshua Dean Simkins,1922

A Colony of Ants Anna Claybourne,2012-07 Describes how ants (and other insects) function in colonies.

The Fire Ants Walter R. Tschinkel,2013-03-11 Walter Tschinkel's passion for fire ants has been stoked by over thirty years of exploring the rhythm and drama of *Solenopsis invicta*'s biology. Since South American fire ants arrived in Mobile, Alabama, in the 1940s, they have spread to become one of the most reviled pests in the Sunbelt. In *The Fire Ants*, Tschinkel provides not just an encyclopedic overview of *S. invicta*—how they found colonies, construct and defend their nests, forage and distribute food, struggle among themselves for primacy, and even relocate entire colonies—but a lively account of how research is done, how science establishes facts, and the pleasures and problems of a scientific career. Between chapters detailed enough for experts but readily accessible to any educated reader, “interludes” provide vivid verbal images of the world of fire ants and the people who study them. Early chapters describe the several failed, and heavily politically influenced, eradication campaigns, and later ones the remarkable spread of *S. invicta*'s “polygyne” form, in which nests harbor multiple queens and colonies reproduce by “budding.” The reader learns much about ants, the practice of science, and humans' role in the fire ant's North American success.

Journey to the Ants Bert Hölldobler,Edward O. Wilson,1998-07-21 Richly illustrated and delightfully written, *Journey to the Ants* combines autobiography and scientific lore to convey the excitement and pleasure the study of ants can offer. Bert Hölldobler and E. O. Wilson interweave their personal adventures with the social lives of ants, building, from the first minute observations of childhood, a remarkable account of these abundant insects' evolutionary achievement.

Dr. Eleanor's Book of Common Ants of New York City Eleanor Spicer Rice,Alex Wild,Rob Dunn,2017-08-03 Did you know that for every human on

earth, there are about one million ants? They are among the longest-lived insects—with some ant queens passing the thirty-year mark—as well as some of the strongest. Fans of both the city and countryside alike, ants decompose dead wood, turn over soil (in some places more than earthworms), and even help plant forests by distributing seeds. But while fewer than thirty of the nearly one thousand ant species living in North America are true pests, we cringe when we see them marching across our kitchen floors. No longer! In this witty, accessible, and beautifully illustrated guide, Eleanor Spicer Rice, Alex Wild, and Rob Dunn metamorphose creepy-crawly revulsion into myrmecological wonder. Emerging from Dunn’s ambitious citizen science project Your Wild Life (an initiative based at North Carolina State University), Dr. Eleanor’s Book of Common Ants of New York City provides an eye-opening entomological overview of the natural history of New York’s species most noted by project participants—and even offers insight into the ant denizens of the city’s subways and Central Park. Exploring species from the honeyrump ant to the Japanese crazy ant, and featuring Wild’s stunning photography as well as tips on keeping ant farms in your home, this guide will be a tremendous resource for teachers, students, and scientists alike. But more than this, it will transform the way New Yorkers perceive the environment around them by deepening their understanding of its littlest inhabitants, inspiring everyone to find their inner naturalist, get outside, and crawl across the dirt—magnifying glass in hand.

Ants Ann Heinrichs,2002 Introduces distinguishing characteristics, life cycles, and different types of ants.

Adventures among Ants Mark W. Moffett,2010-05-05 Intrepid international explorer, biologist, and photographer Mark W. Moffett, the Indiana Jones of entomology, takes us around the globe on a strange and colorful journey in search of the hidden world of ants. In tales from Nigeria, Indonesia, the Amazon, Australia, California, and elsewhere, Moffett recounts his entomological exploits and provides fascinating details on how ants live and how they dominate their ecosystems through strikingly human behaviors, yet at a different scale and a faster tempo. Moffett’s spectacular close-up photographs shrink us down to size, so that we can observe ants in familiar roles; warriors, builders, big-game hunters, and slave owners. We find them creating marketplaces and assembly lines and dealing with issues we think of as uniquely human—including hygiene, recycling, and warfare. *Adventures among Ants* introduces some of the world’s most awe-inspiring species and offers a startling new perspective on the limits of our own perception.

- Ants are world-class road builders, handling traffic problems on thoroughfares that dwarf our highway systems in their complexity
- Ants with the largest societies often deploy complicated military tactics
- Some ants have evolved from hunter-gatherers into farmers, domesticating other insects and growing crops for food

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