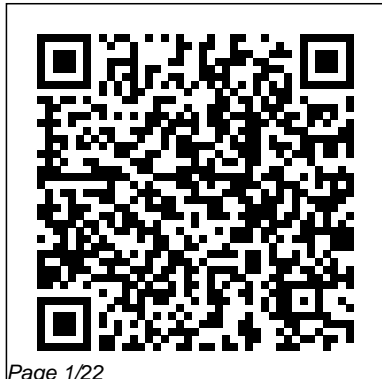


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# Principles Of Animal Behavior Dugatkin 3rd Edition

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Animal Behavior W. W.  
Norton & Company  
"You become  
responsible, forever,  
for what you have  
tamed." -- The Little  
Prince by Antoine de

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Saint-Exupéry In the harsh, frozen Siberian landscape, a scientist and a fox began a most unusual friendship--one that changed our understanding of human-animal relationships forever. In 1959, the world-renowned Siberian silver fox domestication experiment began, exploring the boundaries of relationships between humans and animals. Fifteen years into the experiment, lead researcher Dr. Lyudmila Trut met Pushinka, a beautiful silver fox pup who would become her near-constant companion. So taken was she by Pushinka, Lyudmila decided to take the experiment a step further by moving into a small house with Pushinka, allowing for closer observation and more constant interaction between scientist and fox. As the seasons changed, so too did Pushinka, and she began to act more like a dog. Wild foxes do not play fetch, or wag their tails, or bark in defense of their friends, but Pushinka did. Soon, the two grew to know and love one another through trials in motherhood, relationship tests, and endless of games of fetch. Love, you see, changes us. Lyudmila and Pushinka's true story is one that

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weaves together the scientific and the emotional, demonstrating that even in the coldest places on earth, there is warmth.

**Introduction to Learning and Behavior**

University of Chicago Press

This new edition of Animal Behavior maintains the organizational structure of previous editions, but has been completely rewritten with coverage of much recent work in animal behaviour, resulting in a thoroughly up-to-date text. Notable is the inclusion, for the first time, of discussion

questions embedded in the text itself, rather than appended to the end of each chapter. This format is designed to encourage students to reflect on the material they have just digested while also making it easier for instructors to promote a problem-solving approach to the subject. Like previous editions, the book shows how evolutionary biologists analyze all aspects of behaviour. It is distinguished by its balanced treatment of both the underlying mechanisms and evolutionary causes of behaviour, and stresses the utility of evolutionary theory in

unifying the different behavioural disciplines. The writing style is clear and engaging: beginning students have no difficulty following the material, despite the strong conceptual orientation of the text. Indeed, instructors consistently report a high level of enthusiasm for the book on the part of their students. Pushinka the Barking Fox John Wiley & Sons Principles of Animal Behavior has long been considered the most current and engaging introduction to animal behavior. The Third Edition is now also the most

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comprehensive and balanced in its approach to the theoretical framework behind how biologists study behavior. *Outlines and Highlights for Principles of Animal Behavior* by Lee Alan Dugatkin, ISBN Oxford University Press, USA. An ethologist shows man to be a gene machine whose world is one of savage competition and deceit. **(Second Edition)** by **Dugatkin, Lee Alan** Sinauer Associates Incorporated

Since the last edition of this definitive textbook was published in 2013, much has happened in the field of animal behavior. In this fourth edition, Lee Alan Dugatkin draws on cutting-edge new work not only to update and expand on the studies presented, but also to reinforce the previous editions' focus on ultimate and proximate causation,

as well as the book's unique emphasis on natural selection, learning, and cultural transmission. The result is a state-of-the-art textbook on animal behavior that explains underlying concepts in a way that is both scientifically rigorous and accessible to students. Each chapter in the book provides a sound theoretical and

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conceptual basis upon which the empirical studies rest. A completely new feature in this edition are the Cognitive Connection boxes in Chapters 2-17, designed to dig deep into the importance of the cognitive underpinnings to many types of behaviors. Each box focuses on a specific issue related to cognition and the particular topic covered in that

chapter. As Principles of Animal Behavior makes clear, the tapestry of animal behavior is created from weaving all of these components into a beautiful whole. With Dugatkin's exquisitely illustrated, comprehensive, and up-to-date fourth edition, we are able to admire that beauty anew.

**Outlines and Highlights for**

**Principles of Animal Behavior** W. W. Norton  
Parasites are a masterful work of evolutionary art. The tiny mite *Histiostoma* laboratory, a parasite of *Drosophila*, launches itself, in an incredible display of evolutionary engineering, like a surface-to-air missile at a fruit fly far above its head. Gravid mussels such as *Lampsilis ventricosa undulate*

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excitedly as they release their parasitic larval offspring, conning greedy predators in search of a tasty meal into hosting the parasite. *The Art of Being a Parasite* is an extensive collection of these and other wonderful and weird stories that illuminate the ecology and evolution of interactions between species. Claude Combes illustrates what it

means to be a parasite by considering every stage of its interactions, from invading to reproducing and leaving the host. An accessible and engaging follow-up to Combes's *Parasitism*, this book will be of interest to both scholars and nonspecialists in the fields of biodiversity, natural history, ecology, public health, and

evolution.  
*Animal Behaviour*  
Academic Internet Pub  
Incorporated  
"Animal Behavior: Concepts, Methods, and Applications, takes a conceptual approach that highlights the process of science and the real-world applications of animal behavior research"--  
**A True Story of Unexpected Friendship**  
National Academies Press  
In a Panamanian pond, male túngara frogs (*Physalaemus*

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pustulosus) gather in the Túngara Frog, the in his research, Ryan choruses, giving most detailed and shows that large their "advertisement" informative single males with low- call to the females study available of frequency calls mate that move among them. frogs and their most successfully. He If a female chooses reproductive examines in detail a to make physical behavior, Michael J. number of contact with a male, Ryan demonstrates the explanations for the he will clasp her and interplay of sexual females' preferences, eventually fertilize and natural and he considers her eggs. But in selection. Using possible evolutionary vying for the techniques from forces leading to the females, the males ethology, behavioral males' success. whose calls are most ecology, sensory Though certain attractive may also physiology, vocalizations allow attract the interest physiological males to obtain mates of another creature: ecology, and and thus should be the fringe-lipped theoretical favored by sexual bat, a frog eater. In population genetics selection, this study

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highlights two important costs of such sexual displays: the frogs expand considerable energy in their mating calls, and they advertise their whereabouts to predators. Ryan considers in detail how predators, especially the fringed-lipped bat (*Trachops cirrhosus*), affect the evolution of the túngara frog's calls.

**Volume X: Comparative Phylogeography**

University of Chicago Press  
Offering a variety of innovative teaching tools, INTRODUCTION TO LEARNING AND BEHAVIOR, 5th Edition provides a clear introduction to the principles of learning and behavior. Designed to strike a balance between basic principles and their practical application, it provides an engaging outline of the

behavioral approach to psychology and its relevance for understanding and improving the world we live in. This edition includes a new emphasis on behavior self-management -- including an appendix on tactics of behavior self-management as well as Study Tip boxes advising students on a range of study behavior issues, from how to best read a



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textbook to the use of stimulus control procedures to increase concentration and reduce procrastination. Instructors who include self-management projects as a course assignment may particularly appreciate this material. As with past editions, numerous opportunities for review and self-

testing help students maximize their understanding and retention. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**Cooperation among Animals** W. W. Norton & Company

This text strikes a balance between the diverse forces that cause animals to act and respond to their environment

in the way that they do. Learning and cultural transmission is also covered, and there are 17 interviews with researchers.

**The Superorganism** W. W. Norton

Since the last edition of this definitive textbook was published in 2013, much has happened in the field of animal behavior. In this fourth edition, Lee Alan Dugatkin draws on cutting-edge new work not only to

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update and expand on the studies presented, but also to reinforce the previous editions' focus on ultimate and proximate causation, as well as the book's unique emphasis on natural selection, learning, and cultural transmission. The result is a state-of-the-art textbook on animal behavior that explains underlying concepts in a way that is both scientifically rigorous and accessible to students. Each chapter in the book provides a sound

theoretical and conceptual basis upon which the empirical studies rest. A completely new feature in this edition are the Cognitive Connection boxes in Chapters 2-17, designed to dig deep into the importance of the cognitive underpinnings to many types of behaviors. Each box focuses on a specific issue related to cognition and the particular topic covered in that chapter. As Principles of Animal Behavior makes clear, the

tapestry of animal behavior is created from weaving all of these components into a beautiful whole. With Dugatkin's exquisitely illustrated, comprehensive, and up-to-date fourth edition, we are able to admire that beauty anew. *Power in the Wild* John Wiley & Sons Field and Laboratory Exercises in Animal Behavior is an interactive laboratory manual

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for students in animal behavior, ethology, and behavioral ecology. It is the first of its kind in this subject area that guides students through the diverse and fascinating fields of behavioral and ethological studies, employing a wide array of organisms as model systems for the study of behavior.

Students participate in the development of hypothesis and turn the recording, analysis, and interpretation of data into an active and engaging process. A teacher-friendly companion website provides extensive teaching notes on the background to each lab project, tips and hints for successful project presentation,

sources for studying organisms, ideas for variations in labs, and alternate study organisms. This text is recommended for undergraduate courses in Animal Behavior, Ethology, and Behavioral Ecology. Provides fully developed and tested laboratory exercises Offers both field and lab experiences- adaptable for fall,

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spring, or summer  
courses  
Laboratories  
emphasize student  
thought and  
involvement in  
experimental design  
Includes an online  
supplement to the  
manual for teachers  
**The Beauty,  
Elegance, and  
Strangeness of  
Insect Societies**  
University of  
Chicago Press  
A supplementary  
reader for a course

in animal behavior,  
particularly those  
using John Alcock's  
Animal Behavior: An  
Evolutionary  
Approach as a core  
text, but also more  
widely applicable.  
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articles from the  
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scientific society  
Sigma Xi, some of  
which are from  
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**In the Light of  
Evolution** Universal-  
Publishers  
From the shell wars  
of hermit crabs to  
little blue  
penguins spying on  
potential rivals,  
power struggles in  
the animal kingdom  
are as diverse as  
they are  
fascinating, and  
this book  
illuminates their  
surprising range

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and connections. The behavioral ecologist revolves around quest for power in Lee Alan Dugatkin spying, deception, animals is so much takes us on a manipulation, richer, so much journey around the forming and more nuanced than globe, shepherded breaking up who wins what knock-by leading alliances, complex down, drag-out researchers who assessments of fight. Indeed, have discovered potential power struggles that in everything opponents, building among animals often from hyenas to social networks, look more like an dolphins, bonobos and more. Power opera than a boxing to field mice, pervades every match. Tracing the cichlid fish to aspect of the path to power for cuttlefish, social life of over thirty copperhead snakes animals: what they different species to ravens, and eat, where they on six continents, meerkats to eat, where they writer and mongooses, power live, whom they

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mate with, how many offspring they produce, whom they join forces with, and whom they work to depose. In some species, power can even change an animal's sex. Nor are humans invulnerable to this magnificently intricate melodrama: Dugatkin's tales of the researchers studying power in animals are full of unexpected pitfalls, twists and turns, serendipity, and the pure joy of scientific discovery.

*Principles of Animal Behavior, 4th Edition* Anchor Animal Behavior, Third Edition covers animal behavior from its neurological underpinnings to the importance of behavior in conservation. The book's authors, Michael Breed and Janice Moore, bring almost 60 years of combined experience as university professors, much of that teaching animal behavior. Chapters cover this social behavior and the relationship between parasites, pathogens and behavior. Thoughtful coverage has also been given to foraging

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behavior, mating and parenting behavior, anti-predator behavior, and learning. The book addresses the physiological foundations of behavior in a way that is both accessible and inviting, with each chapter beginning with learning objectives and ending with thought-provoking questions. Additionally, special terms and definitions are highlighted throughout, making this book an essential work for students and academic seeking a foundation in the field. Provides a rich resource on animal science and behavior for students and professors from a wide range of life science disciplines

Features updated and revised chapters, with new case studies and high-definition illustrations  
Highlights new focuses on animal welfare issues and companion animal behavior  
Celebrating 50 Years of Animal Behaviour  
Persnickety Press  
Despite the depiction of nature "red in tooth and claw," cooperation is actually widespread in

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the animal kingdom. Various types of cooperative behaviors have been documented in everything from insects to primates, and in every imaginable ecological scenario. Yet why animals cooperate is still a hotly contested question in literature on evolution and animal behavior. This book examines the history surrounding the study of cooperation, and proceeds to examine the conceptual, theoretical and empirical work on this fascinating subject. Early on, it outlines the four different categories of cooperation -- reciprocal altruism, kinship, group-selected cooperation and byproduct mutualism -- and ties these categories together in a single framework called the Cooperator's Dilemma. Hundreds of studies on cooperation in insects, fish, birds and mammals are reviewed. Cooperation in this wide array of taxa includes, but is not limited to, cooperative hunting, anti-predator behavior, foraging, sexual coalitions, grooming, helpers-at-the nest, territoriality, 'policing' behavior and group thermoregulation. Each example outlined is tied back to the theoretical framework developed early on, whenever the data allows. Future experiments designed to further elucidate a particular type of cooperation are provided throughout the book.

The Art of Being a Parasite Oxford



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University Press  
Biodiversity—the  
genetic variety of  
life—is an  
exuberant product  
of the evolutionary  
past, a vast human-  
supportive resource  
(aesthetic,  
intellectual, and  
material) of the  
present, and a rich  
legacy to cherish  
and preserve for  
the future. Two  
urgent challenges,  
and opportunities,  
for 21st-century

science are to gain  
deeper insights  
into the  
evolutionary  
processes that  
foster biotic  
diversity, and to  
translate that  
understanding into  
workable solutions  
for the regional  
and global crises  
that biodiversity  
currently faces. A  
grasp of  
evolutionary  
principles and  
processes is

important in other  
societal arenas as  
well, such as  
education,  
medicine,  
sociology, and  
other applied  
fields including  
agriculture,  
pharmacology, and  
biotechnology. The  
ramifications of  
evolutionary  
thought also extend  
into learned realms  
traditionally  
reserved for  
philosophy and

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religion. The central goal of the In the Light of Evolution (ILE) series is to promote the evolutionary sciences through state-of-the-art colloquia-in the series of Arthur M. Sackler colloquia sponsored by the National Academy of Sciences-and their published proceedings. Each installment

explores evolutionary perspectives on a particular biological topic that is scientifically intriguing but also has special relevance to contemporary societal issues or challenges. This tenth and final edition of the In the Light of Evolution series focuses on recent

developments in phylogeographic research and their relevance to past accomplishments and future research directions.

**Animal Behavior**

University of Chicago Press

Principles of Animal Behavior, 4th Edition University of Chicago Press

The Ark and Beyond

University of Chicago Press

Commitment is at the core of social life.

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The social fabric is woven from promises and threats that are not always immediately advantageous to the parties involved. Many commitments, such as signing a contract, are fairly straightforward deals, in which both parties agree to give up certain options. Other commitments, such as the promise of life-long love or a threat of murder, are based on more intangible factors such as human emotions. In Evolution and the Capacity for Commitment, distinguished researchers from the fields of economics, psychology, ethology, anthropology, philosophy, medicine, and law offer a rich variety of perspectives on the nature of commitment and question whether the capacity for making, assessing, and keeping commitments has been shaped by natural selection. Game theorists have shown that players who use commitment strategies—by learning to convey subjective offers and to gauge commitments others are willing to make—achieve greater success than those who rationally calculate every move for immediate reward. Evolution and the Capacity for

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Commitment includes contributions from some of the pioneering students of commitment. Their elegant analyses highlight the critical role of reputation-building, and show the importance of investigating how people can believe that others would carry out promises or threats that go against their own self-interest. Other contributors provide real-world examples of commitment across cultures and suggest the evolutionary origins of the capacity for commitment. Perhaps nowhere is the importance of commitment and reputation more evident than in the institutions of law, medicine, and religion. Essays by professionals in each field explore why many practitioners remain largely ethical in spite of manifest opportunities for client exploitation. Finally, Evolution and the Capacity for Commitment turns to leading animal behavior experts to explore whether non-humans also use commitment strategies, most notably through the transmission of threats or signs of non-aggression. Such examples illustrate how such tendencies

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in humans may have evolved. Viewed as an adaptive evolutionary strategy, commitment offers enormous potential for explaining complex and irrational emotional behaviors within a biological framework. Evolution and the Capacity for Commitment presents compelling evidence for this view, and offers a potential bridge across the current rift between biology and the

social sciences. A Volume in the Russell Sage Foundation Series on Trust Second Edition Russell Sage Foundation Domestic Animal Behavior for Veterinarians and Animal Scientists, Sixth Edition is a fully updated revision of this popular, classic text offering a thorough understanding of

the normal behavior of domestic animals. Provides a complete understanding of the normal behavior of domestic animals Covers dogs, cats, horses, pigs, sheep, cattle, and goats Describes all key aspects of animal behavior, with images to support the concepts Revised and updated to cover the latest

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thinking, with  
enhanced coverage  
of behavioral  
genetics, animal  
cognition, and  
learning Includes  
access to a  
companion website  
with review  
questions and  
answers and the  
figures from the  
book in PowerPoint