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Social Behaviour in Animals

N. Tinbergen



Social Behaviour In Vertebrates

J. Tinbergen

Social Behaviour In Vertebrates:

Social Behaviour in Animals (Psychology Revivals) N. Tinbergen, 2013-12-19 Originally published in 1953 this is a classic study in animal behaviour drawing on the author's own extraordinary studies of insects fish and birds as well as on the literature The concept community is taken in its widest sense to include all types of association of individuals not only flocks and herds but also the family the pair and even two animals engaged in combat The author received the Nobel Prize for his work in this field in 1973

Social Behaviour in Animals Niko Tinbergen, 1964

Social Behavior of Female

Vertebrates Samuel Wasser, 2012-12-02 Social Behavior of Female Vertebrates focuses on the evolution of reproductive behavior in female vertebrates ranging from fish to birds and humans including issues of mate choice and other factors underlying female attitudes toward males It also looks at the evolution of mating systems the co evolution of the sexes sex role reversal reproductive competition between females maternal behavior and how females enhance the investment received by their offspring from others It also considers other social behaviors that influence the nature of affiliative associations between females Organized into three parts encompassing 13 chapters this volume begins with an overview of behavioral biology and sources of variation in female reproductive success It then discusses the establishment and maintenance of sex biases sex differences mediated by sexual selection constraints on female choice in the mottled sculpin mate choice by females in sexual selection of bird song and female manipulation of male avoidance of cuckoldry behavior in the ring dove The reader is also introduced to the evolution of polyandry in shorebirds reproductive strategies in human females social and health seeking behaviors of Taiwanese women female roles in cooperatively breeding acorn woodpeckers altruism in coati bands cooperation and reproductive competition among female African elephants mate choice in matrilineal macaque groups and reproductive competition and cooperation among female yellow baboons This book is a valuable resource for scientists and behavioral biologists as well as lay people whose interests span a variety of fields

Social Behaviour in Animals, with Special Reference to Vertebrates Nikolaas Tinbergen, 1971

Social Behavior in Animals, with Special Reference to Vertebrates Niko Tinbergen, 1968

Social Behaviour in Animals Nikolaas Tinbergen, 1965-10-15 HIS book is not intended as an exhaustive review T f facts I ts aim is rather the presentation of a biological approach to the phenomena of social behaviour This type of approach was revived by Lorenz's pioneer studies It is characterized by emphasis on the need for renewed and careful observation of the huge variety of social phenomena occurring in nature by emphasis on a balanced study of the three main biological problems function causation evolution by emphasis on an appropriate sequence of description qualitative analysis quantitative analysis and finally by emphasis on the need for continuous re synthesis The character of this approach combined with the limitations of space have determined this book's contents Limits of space led to the omission of a great deal of description Thus Deegener's voluminous work on the multitude of types of animal aggregations has not been discussed Also the highly specialized states of social insects have not been treated in detail since

there are excellent books dealing exclusively with them

Social Behaviour in Animals J. Tinbergen,1990-03-31

Molecular and Cellular Basis of Social Behavior in Vertebrates Jacques Balthazart,2012-12-06 Understanding the brain mechanisms which underlie behavior is one of the most challenging tasks of modern biology The study of these mechanisms can be approached using a variety of biological systems as models depending essentially on the type of question being asked and the technical approach which is considered In vertebrates the study of brain neurochemistry in relation to behavior expression has made tremendous progress during the last two decades In particular much attention has been devoted to the effect of steroid hormones on brain structure and activity in connection with social and mainly reproductive behavior This book exemplifies some of the major trends in the field I did not attempt to cover exhaustively all the work that has been done in this area but rather to present a series of selected reviews on the molecular and cellular brain mechanisms most directly related to social behavior This selection obviously reflects my own interests but also I believe highlights those areas of research in which important progress has been made in recent years A number of brain biochemical or cellular mechanisms which could be related to behavior but have not been formally demonstrated to be so are consequently ignored The focus here is on social behavior and thus steroid dependent processes are covered in priority This choice of course leads us to ignore major trends in brain and behavior research but this is I hope clearly reflected in the title of the volume

Social Behaviour in Vertebrates Anthony Payne,1976

Social Behaviour in Animals Niko Tinbergen,1965

Social Behaviour in Animals (Psychology Revivals) N. Tinbergen,2013-09-25 Originally published in 1953 this is a classic study in animal behaviour drawing on the author's own extraordinary studies of insects fish and birds as well as on the literature The concept community is taken in its widest sense to include all types of association of individuals not only flocks and herds but also the family the pair and even two animals engaged in combat The author received the Nobel Prize for his work in this field in 1973

Social Behavior and Organization Among Vertebrates William Etkin,1964

Oxytocin's routes in social behavior: into the 21st century. "Precision Medicine" approach for Oxytocin Alaine Keebaugh,Elissar Andari,Lisa A. Parr,2015-12-21 Our brain is endowed with an incredible capacity to be social to trust to cooperate to be altruistic to feel empathy and love Nevertheless the biological underpinnings of such behaviors remain partially hardwired Seminal research in rodents has provided important insights on the identification of specific genes in modulating social behaviors in particular the arginine vasopressin receptor and the oxytocin receptor genes These genes are involved in regulating a wide range of social behaviors mother infant interactions social recognition aggression and socio sexual behavior Remarkably we now know that these genes contribute to social behavior in a broad range of species from voles to humans Indeed advances in human non invasive neuroimaging techniques and genetics have enabled scientists to begin to elucidate the neurobiological basis of the complexity of human social behaviors using pharmacological fMRI and imaging genetics Over the past few years there has been a strong interest focused on the role of oxytocin in modulating

human social behaviors with translational relevance for understanding neuropsychiatric disorders such as autism schizophrenia and depression in which deficits in social perception and social recognition are key phenotypes The convergence of this interdisciplinary research is beginning to reveal the complex nature of oxytocin's actions For instance the way that oxytocin does influence social functioning is highly related to individual differences in social experiences but also to the inter individual variability in the receptor distribution of this molecule in the brain Remarkably despite the increasing evidence that oxytocin has a key role in regulating human social behavior we still lack of knowledge on the core mechanisms of action of this molecule Understanding its fundamental actions is a crucial need in order to target optimal therapeutic strategies for human social disorders The originality of this Research Topic stands on its translational focus on bridging the gap between fundamental knowledge acquired from oxytocin research in voles and monkeys and recent clinical investigations in humans For instance what are the key animal findings that can import further knowledge on the mechanisms of actions of this molecule in humans What are the key experiences that can be performed in the animal model in order to answer significant science gaps in the treatment of neuropsychiatric disorders Hence within this Research Topic we will review the current state of the field identify where the gaps in knowledge are and propose directions for future research This issue will begin with a comparative review that examines the role of this peptide in diverse animal models which highlights the adaptive value of oxytocin's function across multiple species Then a series of reviews will examine the role of oxytocin in voles primates and humans with an eye toward revealing commonalities in the underlying brain circuits mediating oxytocin's effects on social behavior Next there will be a translational review highlighting the evidence for oxytocin's role in clinical applications in psychopathology Hence via the continuum of basic to translational research areas we will try to address the important gaps in our understanding of the neurobiological routes of social cognition and the mechanisms of action of the neuropeptides that guide our behaviors and decisions

Social Behavior and Organization

Among Vertebrates William Etkin, 1964 An analytical description of social behavior in four of the chapters by the editor Five chapters are contributed by active experimentalists each author covers recent developments in the area of his own specialty

Encyclopedia of Animal Behavior, 2019-01-21 Encyclopedia of Animal Behavior Second Edition Four Volume Set the latest update since the 2010 release builds upon the solid foundation established in the first edition Updated sections include Host parasite interactions Vertebrate social behavior and the introduction of overview essays that boost the book's comprehensive detail The structure for the work is modified to accommodate a better grouping of subjects Some chapters have been reshuffled with section headings combined or modified Represents a one stop resource for scientifically reliable information on animal behavior Provides comparative approaches including the perspective of evolutionary biologists physiologists endocrinologists neuroscientists and psychologists Includes multimedia features in the online version that offer accessible tools to readers looking to deepen their understanding

[Reproductive Neuroendocrinology and Social Behavior](#)

Ishwar S. Parhar, Tomoko Soga, Sonoko Ogawa, 2016-10-12 Anti social behaviors and social deficits induced mental disorders are critical problems in our society today. Social behaviors and interactions are shaped by experience hereditary components genes hormones and neuropeptides and environmental factors photoperiods and metabolic signals. In addition to the classical gonadotropin releasing hormone RFamide peptides kisspeptin and gonadotropin inhibiting hormone are emerging as important regulators of the reproductive axis. These neuropeptides are evolutionarily conserved and are regulated by environmental factors. In this Research Topic we advocate more recent advances in reproductive neuropeptides and sex steroids in the domains of social behavior including sexual and parental behavior, aggression, stress and anxiety. Using multiple species model we also review how genes and the neuroendocrine system interact at the cell and organismic levels to contribute to social behavior in particular the epigenetic genomic changes caused by early life environment. We provide comprehensive insights of distinct neural networks and how cellular and molecular events in the brain regulate social behavior from a comparative perspective. Social Behavior in Animals N. Tinbergen, 1975 The Social Behaviour of Animals, 1964 **Social Behaviour in Animals** Niko Tinbergen, 1969 **Bibliography on the Control and Management of the Coyote and Related Canids with Selected References on Animal Physiology, Behaviour, Control Methods and Reproduction** E. H. Dolnick, R. L. Medford, R. J. Schied, 1976

Unveiling the Energy of Verbal Beauty: An Emotional Sojourn through **Social Behaviour In Vertebrates**

In a global inundated with displays and the cacophony of instantaneous conversation, the profound energy and psychological resonance of verbal beauty frequently diminish in to obscurity, eclipsed by the regular barrage of sound and distractions. Yet, set within the musical pages of **Social Behaviour In Vertebrates**, a interesting function of fictional splendor that impulses with natural feelings, lies an wonderful trip waiting to be embarked upon. Published with a virtuoso wordsmith, this magical opus books viewers on a psychological odyssey, softly exposing the latent potential and profound influence stuck within the elaborate internet of language. Within the heart-wrenching expanse of this evocative evaluation, we will embark upon an introspective exploration of the book is main styles, dissect its charming writing design, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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Table of Contents Social Behaviour In Vertebrates

1. Understanding the eBook Social Behaviour In Vertebrates
 - The Rise of Digital Reading Social Behaviour In Vertebrates
 - Advantages of eBooks Over Traditional Books
2. Identifying Social Behaviour In Vertebrates
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Social Behaviour In Vertebrates
 - User-Friendly Interface
4. Exploring eBook Recommendations from Social Behaviour In Vertebrates
 - Personalized Recommendations

- Social Behaviour In Vertebrates User Reviews and Ratings
- Social Behaviour In Vertebrates and Bestseller Lists

5. Accessing Social Behaviour In Vertebrates Free and Paid eBooks

- Social Behaviour In Vertebrates Public Domain eBooks
- Social Behaviour In Vertebrates eBook Subscription Services
- Social Behaviour In Vertebrates Budget-Friendly Options

6. Navigating Social Behaviour In Vertebrates eBook Formats

- ePUB, PDF, MOBI, and More
- Social Behaviour In Vertebrates Compatibility with Devices
- Social Behaviour In Vertebrates Enhanced eBook Features

7. Enhancing Your Reading Experience

- Adjustable Fonts and Text Sizes of Social Behaviour In Vertebrates
- Highlighting and Note-Taking Social Behaviour In Vertebrates
- Interactive Elements Social Behaviour In Vertebrates

8. Staying Engaged with Social Behaviour In Vertebrates

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Social Behaviour In Vertebrates

9. Balancing eBooks and Physical Books Social Behaviour In Vertebrates

- Benefits of a Digital Library
- Creating a Diverse Reading Collection Social Behaviour In Vertebrates

10. Overcoming Reading Challenges

- Dealing with Digital Eye Strain
- Minimizing Distractions
- Managing Screen Time

11. Cultivating a Reading Routine Social Behaviour In Vertebrates

- Setting Reading Goals Social Behaviour In Vertebrates
- Carving Out Dedicated Reading Time

12. Sourcing Reliable Information of Social Behaviour In Vertebrates

- Fact-Checking eBook Content of Social Behaviour In Vertebrates

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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