

Online Library Human
Language Vs Animal
Communication

Human Language Vs Animal Communication

An expert guide to how
conversation works, from how

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we know when to speak to why
huh is a universal word We all
had teachers who scolded us
over the use of um, uh-huh, oh,
like, and mm-hmm. But as
linguist N. J. Enfield reveals in
How We Talk, these "bad words"

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are fundamental to language. Whether we are speaking with the clerk at the store, our boss, or our spouse, language is dependent on things as commonplace as a rising tone of voice, an apparently

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meaningless word, or a glance -- signals so small that we hardly pay them any conscious attention. Nevertheless, they are the essence of how we speak. From the traffic signals of speech to the importance of um,

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How We Talk revolutionizes our understanding of conversation. In the process, Enfield reveals what makes language universally -- and uniquely -- human. In the 1970s, the behavioral psychologist Herbert S. Terrace

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led a remarkable experiment to see if a chimpanzee could be taught to use language. A young ape, named "Nim Chimpsky" in a nod to the linguist whose theories Terrace challenged, was raised by a family in New York

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and instructed in American Sign Language. Initially, Terrace thought that Nim could create sentences but later discovered that Nim's teachers inadvertently cued his signing. Terrace concluded that Project

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Nim failed—not because Nim couldn't create sentences but because he couldn't even learn words. Language is a uniquely human quality, and attempting to find it in animals is wishful thinking at best. The failure of

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Project Nim meant we were no closer to understanding where language comes from. In this book, Terrace revisits Project Nim to offer a novel view of the origins of human language. In contrast to both Noam Chomsky

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and his critics, Terrace contends that words, as much as grammar, are the cornerstones of language. Retracing human evolution and developmental psychology, he shows that nonverbal interaction is the

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foundation of infant language acquisition, leading up to a child's first words. By placing words and conversation before grammar, we can, for the first time, account for the evolutionary basis of language.

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Terrace argues that this theory explains Nim's inability to acquire words and, more broadly, the differences between human and animal communication. Why Chimpanzees Can't Learn

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Language and Only Humans Can
is a masterful statement of the
nature of language and what it
means to be human.

The classic book on the
development of human language
by the world's leading expert on

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language and the mind. In this classic, the world's expert on language and mind lucidly explains everything you always wanted to know about language: how it works, how children learn it, how it changes, how the brain

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computes it, and how it evolved. With deft use of examples of humor and wordplay, Steven Pinker weaves our vast knowledge of language into a compelling story: language is a human instinct, wired into our

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brains by evolution. The Language Instinct received the William James Book Prize from the American Psychological Association and the Public Interest Award from the Linguistics Society of America.

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This edition includes an update on advances in the science of language since *The Language Instinct* was first published. An exploration of key concepts in the study of animal communication, covering case

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studies as well as more
theoretical issues.

Perspectives on Human-animal
Communication

Learning Their Language

How We Talk

Encyclopedia of Marine

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Mammals

Animal Signals

Human Language and Our
Reptilian Brain

Language and Mind

Why are animal signals
reliable? This is the

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central problem for evolutionary biologists interested in signals. Of course, not all signals are reliable; but most are, otherwise receivers of signals would ignore

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them. A number of theoretical answers have been proposed and empirical studies made, but there still remains a considerable amount of confusion. The authors,

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one a theoretician the
other a fieldworker,
introduce a sense of order
to this chaos. A
significant cause of
confusion has been the
tendency for different

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researchers to use either the same term with different meanings, or different terms with the same meaning. The authors attempt to clarify these differences. A second

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cause of confusion has arisen because many biologists continue to assume that there is only one correct explanation for signal reliability. The authors argue that the

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reliability of signals is maintained in several ways, relevant in different circumstances, and that biologists must learn to distinguish between them. In this book

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they explain the different theories, give examples of signalling systems to which one or another theory applies, and point to the many areas where further work, both

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theoretical and empirical,
is required.

Communication is a basic
behaviour, found across
animal species. Human
language is often thought
of as a unique system,

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which separates humans from other animals. This textbook serves as a guide to different types of communication, and suggests that each is unique in its own way:

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human verbal and nonverbal communication, communication in nonhuman primates, in dogs and in birds. Research questions and findings from different perspectives are

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summarized and integrated to show students similarities and differences in the rich diversity of communicative behaviours. A core topic is how young individuals

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proceed from not being able to communicate to reaching a state of competent communicators, and the role of adults in this developmental process. Evolutionary

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aspects are also taken into consideration, and ideas about the evolution of human language are examined. The cross-disciplinary nature of the book makes it useful for

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courses in linguistics,
biology, sociology and
psychology, but it is also
valuable reading for
anyone interested in
understanding
communicative behaviour.

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Looks at the interactions that have occurred between scientists and animal subjects and explains what is being discovered about how and what animals think and feel and the ethical

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questions that these new findings are raising.

Document from the year 2019 in the subject Speech Science / Linguistics, grade: 18, , language: English, abstract: The aim

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of this work is to give students of linguistic an overview of their prospective field of study. A series of lectures are given along with activities to provide

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students with a certain amount of knowledge concerning the components that are relevant and necessary to be learned in order to master the basic concepts in linguistics.

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Since the study of linguistics is a broad field, students are not expected to learn everything about linguistics while going through this course book

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the first time, and they should not feel linguistically sluggish if they find that there are many questions that will remain unanswered at the end of it. This is an

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introductory course.

Learners can actually study linguistics by sifting through the various lectures and doing the activities that accompany them.

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Suggestions for further reading will always be listed alongside each lesson that may help them in the future, when they need more detailed information.

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Animal Communication and
Noise

Animal Languages

Coding and Redundancy

A Guide to Two-Way

Telepathic Communication
with Animals

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Interspecies Telepathic
Communication

Animal Communication

Biolinguistic Perspectives

The study of animal
communication has led to
significant progress in our

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general understanding of motor and sensory systems, evolution, and speciation. However, one often neglected aspect is that signal exchange in every modality is constrained by noise, be it in

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the transmission channel or in the nervous system. This book analyses whether and how animals can cope with such constraints, and explores the implications that noise has for our understanding of animal

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communication. It is written by leading biologists working on different taxa including insects, fish, amphibians, lizards, birds, and mammals. In addition to this broad taxonomic approach, the chapters also

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cover a wide array of research disciplines: from the mechanisms of signal production and perception, to the behavioural ecology of signalling, the evolution of animal communication, and

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conservation issues. This volume promotes the integration of the knowledge gained by the diverse approaches to the study of animal communication and, at the same time, highlights

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particularly interesting fields of current and future research. Three decades ago, Penelope Smith first presented Animal Talk and her effective telepathic communication techniques that can

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dramatically transform your relationships with your animal companions. Rereleased by popular demand, Smith once again shares her insightful wisdom and illuminates topics such as freedom, control,

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obedience, behavior, and relationships between animals. Animal Talk teaches you how to open the door to your animal friends' hearts and minds without resorting to magic tricks or wishful

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thinking. Every creature can be reached through telepathic communication -- from your tabby cat or cockatiel to the wasps that build nests in the eaves of your home or even the common flea -- you just

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have to be open to the idea,
and mind-to-mind
communication will be in your
grasp.

Almost everyone has had a
moment when they've felt a
connection to an animal.

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Animal communicator Marta Williams says this is the basis of animal communication and it's a skill anyone can develop. Williams's background as a scientist informs her logical step-by-step approach to

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learning the "language" of animals — a process combining mental imagery, visualization, deep listening, and tuning in to one's intuition. Practical advice and proven techniques are interwoven with inspiring real-

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life accounts. Williams also discusses ways to use these skills to find lost animals, help animals heal from injury or illness, and explore similar deep connections with nature and the earth.

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An updated view of animal behavior studies, featuring global experts The Behavior of Animals, Second Edition provides a broad overview of the current state of animal behavior studies. This thorough

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textbook features contributions from international experts and shares six new chapters within its revised edition. Readers will find chapters that begin with an introduction to a specific topic, such as animal cognition,

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and conclude with student exercises or research projects related to animal behavior. Engaging material is supported by color illustrations, informative callouts, and the accessible presentation of

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technical information. Provides an introduction to the study of animal behavior Features new chapters on animals' hormones and their behavior; individuality; making decisions; language; human evolution;

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and the use and abuse of primate models for human behavior Looks at an extensive scope of topics—from animal learning to mating Explores the evolution of animal behavior as well as human evolution

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Students will benefit from an updated textbook where a variety of contributors provide their expertise and global perspective in specialized areas.

Human Language and Human

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Communication
Evolution

A Course in Modern Linguistics
Why Chimpanzees Can't Learn
Language and Only Humans
Can
The Evolution of Human
Language

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Communication

Information and Influence
Mechanisms, Function and
Evolution

A Dictionary of Arts, Sciences,
Literature and General
Information

The far right is back

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with a vengeance. After several decades at the political margins, far-right politics has again taken center stage. Three of the world's largest democracies –

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Brazil, India, and the United States – now have a radical right leader, while far-right parties continue to increase their profile and support within Europe.

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In this timely book,
leading global expert on
political extremism Cas
Mudde provides a concise
overview of the fourth
wave of postwar far-
right politics,

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exploring its history,
ideology, organization,
causes, and
consequences, as well as
the responses available
to civil society, party,
and state actors to

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challenge its ideas and influence. What defines this current far-right renaissance, Mudde argues, is its mainstreaming and normalization within the

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contemporary political landscape. Challenging orthodox thinking on the relationship between conventional and far-right politics, Mudde offers a complex and

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insightful picture of
one of the key political
challenges of our time.
"Slobodchikoff's ground-
breaking research"
(Jonathan Balcombe)
shows us that animals

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have much to teach us
about language
Groundbreaking research
has been done teaching
animals human language,
but what about the other
way around? Studies have

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shown that lizards,
squid, monkeys, and
birds are talking to
each other,
communicating
information about food,
predators, squabbles,

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and petty jealousies.
These animal languages
are unique and highly
adaptive. By exploring
them, we come to
appreciate the basis of
our own languages;

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understanding or even "speaking" them allows us to get closer to the other species who inhabit this planet with us. The implications of animals having language

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are enormous. It has been one of the last bastions separating "us" from "them."

Slobodchikoff's studies of the communication system of prairie dogs

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over twenty-five years
have attracted a
considerable amount of
attention from the
media, including a one-
hour documentary on his
work produced by BBC and

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Animal Planet. In Chasing Doctor Dolittle, he posits that the difference is one of degree, not the vast intellectual chasm that philosophers have talked

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about for millennia.

Filled with meticulous research, vivid examples and daring conclusions, this book will challenge the reader's assumptions and open up new

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possibilities of
understanding our fellow
creatures.

A scientific examination
of human speech and the
origins of language
looks at the

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evolutionary

development--back to the
earliest humans--of the
biological functions
that make human speech
possible. BAKER & TAYLOR
In The Selfish Gene,

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Richard Dawkins

crystallized the gene's
eye view of evolution
developed by W.D.

Hamilton and others. The
book provoked widespread
and heated debate.

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Written in part as a response, The Extended Phenotype gave a deeper clarification of the central concept of the gene as the unit of selection; but it did

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much more besides. In it, Dawkins extended the gene's eye view to argue that the genes that sit within an organism have an influence that reaches out beyond the

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visible traits in that
body - the phenotype -
to the wider
environment, which can
include other
individuals. So, for
instance, the genes of

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the beaver drive it to gather twigs to produce the substantial physical structure of a dam; and the genes of the cuckoo chick produce effects that manipulate the

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behaviour of the host bird, making it nurture the intruder as one of its own. This notion of the extended phenotype has proved to be highly influential in the way

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we understand evolution
and the natural world.
It represents a key
scientific contribution
to evolutionary biology,
and it continues to play
an important role in

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research in the life sciences. The Extended Phenotype is a conceptually deep book that forms important reading for biologists and students. But

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Dawkins' clear exposition is accessible to all who are prepared to put in a little effort. Oxford Landmark Science books are 'must-read' classics of modern

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science writing which
have crystallized big
ideas, and shaped the
way we think.

Sociobiology of
Communication

The Long Reach of the

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Communication
Gene

Animals and the
Uniqueness of Human
Language
Doctor Dolittle's
Delusion
Language Evolution

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Learning the Language of
Animals

How and Why Animals
Communicate

Few people have done as
much to change how we
view the world as

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Charles Darwin. Yet On the Origin of Species is more cited than read, and parts of it are even considered outdated. In some ways, it has been consigned to the

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nineteenth century. In
The Theory That Changed
Everything, the renowned
cognitive scientist
Philip Lieberman
demonstrates that there
is no better guide to

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the world's living—and still evolving—things than Darwin and that the phenomena he observed are still being explored at the frontiers of science. In an

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exploration that ranges
from Darwin's
transformative trip
aboard the Beagle to
Lieberman's own sojourns
in the remotest regions
of the Himalayas, this

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book relates fresh,
contemporary findings to
the major concepts of
Darwinian theory, which
transcends natural
selection. Drawing on
his own research into

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the evolution of human linguistic and cognitive abilities, Lieberman explains the paths that adapted human anatomy to language. He demystifies the role of recently

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identified

transcriptional and
epigenetic factors
encoded in DNA,
explaining how
nineteenth-century
Swedish famines

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alternating with years
of plenty caused
survivors' grandchildren
to die many years short
of their life
expectancy. Lieberman is
equally at home decoding

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supermarket shelves and
climbing with the
Sherpas as he discusses
how natural selection
explains features from
lactose tolerance to
ease of breathing at

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Himalayan altitudes.
With conversational
clarity and memorable
examples, Lieberman
relates the insights
that led to
groundbreaking

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discoveries in both
Darwin's time and our
own while asking
provocative questions
about what Darwin would
have made of
controversial issues

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today, such as GMOs,
endangered species, and
the God question.

Animal Communication is
an innate ability we all
have. This book helps
the reader to reconnect

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with this ability. It speaks about talking to animals earth-bound and in spirit, understanding their behavioural and health issues, dealing with missing animal

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cases, grasping the core fundamentals of animal communication, and practical tips to encounter the journey ahead. This book compels you to realign your

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thought process and think laterally while grasping the realities of this world beyond the realms of which we already know. By the end of it, you'll be clear

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with the ways of the animal world and how it runs in tandem with ours. Coupled with priceless real-life experiences of the author, this book lays

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down detailed guidelines
for those willing to
speak telepathically
with animals and
implement the lessons
themselves, whether a
novice or a seasoned

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Communication is both a prerequisite and manifestation of social organization and in this sense several chapters of this volume are aimed

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to investigate the way
vocal communication
serves its ultimate
function of maintaining
social organization.
Although manifold
parallels exist to vocal

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communication in birds,
additional mechanisms of
vocalization are found
in primates. Treating
the various
psychological,
ecological, behavioral,

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and neurobiological
aspects of vocalization
this book provides an
interdisciplinary
approach for the
understanding of
biocommunication in

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primates including humans. Conceptual as well as methodological considerations are given in a balanced way. The addition of a comprehensive glossary

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gives an overview also
to nonspecialists in
this field.

How do animals
communicate using
sounds? How did animal
vocal communication

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arise and evolve?

Exploring a new way to conceptualize animal communication, this new edition moves beyond an earlier emphasis on the role of senders in

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managing receiver
behaviour, to examine
how receivers' responses
influence signalling. It
demonstrates the
importance of the
perceiver role in

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driving the evolution of communication, for instance in mimicry, and thus shifts the emphasis from a linguistic to a form/function approach to communication.

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Covering a wide range of animals from frogs to humans, this new edition includes new sections on human prosodic elements in speech, the vocal origins of smiles and

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laughter and
deliberately irritating
sounds and is ideal for
researchers and students
of animal behaviour and
in fields such as
sensory biology,

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neuroscience and
evolutionary biology.
Chasing Doctor Dolittle
The Thoughts and
Emotions of Our Fellow
Creatures
The Language Instinct

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The Behavior of Animals
The Far Right Today
Man-made and Animal-
evolved Signals
Intuitive Communication
with Animals and Nature
"Animals use far more elaborate and

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complex language than we think. They chat, gossip, mourn, rhyme, speak in dialects and make jokes. Whales sing a different series of songs each season, which rhyme and are picked up by other whales in passing, making them 'hits'. Some species of bird have dialects that differ from one region to the next, and the birds that live on the

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regional boundaries are bilingual. Eva Meijer combines her field of study, philosophy, with her love of animals. That combination of academic interest and personal passion has produced a lucid and inspiring plea to listen more carefully to animals. She presents a history of philosophical thought about animals and language, addressing questions

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such as: when can you call communication a language? And what exactly is a language, anyway? Descartes decided that animals do not have a soul because they do not have rationality, and the best proof of rationality is the power of speech. Meijer shows that every species of animal speaks in its own way. Animals even have grammar: dolphins

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in their clicks, cephalopods in the colour patterns of their skin, and whales in the structure of their songs. There are some from whom humans could learn lessons about the efficient use of language: prairie dogs alert each other by a single call to the height and proximity of a potential interloper, even including the colour of their

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clothes and what they are carrying. This book makes clear that animals speak, not just by instinct but for social, emotional and creative reasons. Along with ideas from Aristotle, Descartes and Wittgenstein, Meijer takes Heidegger's beliefs about language as her guide: language gives us insight into the world around us and helps

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us to shape it. This notion is central to Animal Languages. Studying the languages of animals gives us a starting point for new relationships with them. Meijer argues that we should enter into conversation with animals, rather than making them the object of study" --

Engaging with the work of Freud,

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Heidegger, Wittgenstein, and Derrida, this book reconceptualises the language divide between humans and animals within the context of animal ethics.

This thorough revision of the classic Encyclopedia of Marine Mammals brings this authoritative book right up-to-date. Articles describe every species in detail,

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based on the very latest taxonomy, and a host of biological, ecological and sociological aspects relating to marine mammals. The latest information on the biology, ecology, anatomy, behavior and interactions with man is provided by a cast of expert authors – all presented in such detail and clarity to support both marine

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mammal specialists and the serious naturalist. Fully referenced throughout and with a fresh selection of the best color photographs available, the long-awaited second edition remains at the forefront as the go-to reference on marine mammals. More than 20% NEW MATERIAL includes articles on Climate Change, Pacific White-

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sided Dolphins, Sociobiology, Habitat Use, Feeding Morphology and more Over 260 articles on the individual species with topics ranging from anatomy and behavior, to conservation, exploitation and the impact of global climate change on marine mammals New color illustrations show every species and document topical articles FROM THE

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FIRST EDITION " This book is so good...a bargain, full of riches...packed with fascinating up to date information. I recommend it unreservedly it to individuals, students, and researchers, as well as libraries." --Richard M. Laws, MARINE MAMMALS SCIENCE "...establishes a solid and satisfying foundation for current

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study and future exploration" --Ronald J.
Shusterman, SCIENCE

This book explores the similar ways in which information is encoded in nonverbal man-made signals (e.g., traffic lights, tornado sirens) and animal-evolved signals (e.g., color patterns, vocalizations). Drawing on semiotics, animal behavior, psychology, and

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allied fields, it surveys animal signaling and an important class of human communication.

an interdisciplinary perspective

Continuities and Discontinuities with
Nonhuman Primates

Communication in Humans and Other
Animals

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Eve Spoke

Animal Talk

The Encyclopaedia Britannica

Evolution of Communicative Flexibility

Presents a collection of
essays on language and
mind. This book brings

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the author's influential approach into the twenty-first century. The chapters 1-6 present his early work on the nature and acquisition of language as a

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genetically-endowed,
biological system, the
rules and principles of
which we acquire an
internalized knowledge.
Despite its inherent
interdisciplinarity, the

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Communication discipline has remained an almost entirely anthropocentric enterprise. This book represents early and prominent forays into the subject of human-

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animal communication
from a Communication
Studies perspective, an
effort that brings a
discipline too long
defined by that fallacy
of division, human or

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nonhuman, into
conversation with animal
studies, biosemiotics,
and environmental
communication, as well
as other recent
intellectual and

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activist movements for reconceptualizing relationships and interactions in the biosphere. This book is a much-needed point of entry for future

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scholarship on animal-
human communication, as
well as the whole range
of communication
possibilities among the
more-than-human world.
It offers a

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groundbreaking
transformation of higher
education by charting
new directions for
communication research,
policy formation, and
personal and

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professional practices
involving animals.

What is it that makes us
human? This is one of
the most challenging and
important questions we
face. Our species'

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defining characteristic
is language - we appear
to be unique in the
natural world in having
such an incredibly open-
ended system for putting
thoughts into words. If

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we are to truly
understand ourselves as
a species we must
understand the origins
of this strange and
unique ability. To do
so, we need to answer

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some of the most intriguing questions in contemporary scientific research: Where did language come from? How did it evolve? Why are we unique in possessing

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it? This book, for the first time, brings together the leading thinkers who are trying to unlock the puzzle of language evolution. Here we see the latest ideas

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and theories from fields
as diverse as
anthropology,
archaeology, artificial
life, biology, cognitive
science, linguistics,
neuroscience, and

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psychology. In a series of seventeen well-written and accessible chapters we get an unrivalled view of the state of the art in this exciting area. Current

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controversies are revealed and new perspectives uncovered, in a clear and readable guide to the latest theories. This collection marks a major

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step forward in our quest to understand the origins and evolution of human language. In doing so it sheds new light on the process of evolution, the workings

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of the brain, the structure of language, and - most importantly - what it means to be human. Language Evolution is essential reading for researchers

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and students working in the areas covered, and has been used as a textbook for courses in the field. It will also attract the general reader who wants to know

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more about this

fascinating subject.

Communication is

essential for all forms

of social interaction,

from parental care to

mate choice and

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cooperation. This is evident for human societies but less obvious for bacterial biofilms, ant colonies or flocks of birds. The major disciplines of

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communication research
have tried to identify
common core principles,
but syntheses have been
few because historical
barriers have limited
interaction between

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different research fields. Sociobiology of Communication is a timely and novel synthesis. It bridges many of the gaps between proximate and ultimate

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levels of analysis,
between empirical model
systems, and between
biology and the
humanities. The book
offers the complementary
approaches of a

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distinguished group of authors spanning a large diversity of research programs, addressing, for example, the genetic basis of bacterial communication, dishonest

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communication in insect societies, sexual selection and network communication among colonial vertebrates. Other chapters explore the role of

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communication in genomic
conflict and self-
organisation, and how
linguistics, psychology
and philosophy may
ultimately contribute to
a biological

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understanding of human
mate choice and the
evolution of human
societies. This highly
interdisciplinary book
highlights key examples
of modern research to

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explore the genetic,
neurobiological,
physiological, chemical
and behavioural basis of
social communication. It
identifies where
consensus on the general

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principles is emerging
and where the major
future challenges are to
be found. The book is
therefore suitable for
both for graduate
students and

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professionals in
evolutionary biology and
behavioural ecology
seeking novel
inspiration, and for a
wider academic audience,
including social and

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medical scientists who would like to explore what evolutionary approaches can offer to their fields.

The Subcortical Bases of
Speech, Syntax, and

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Thought

Animal Wise

The Long Debate about
Animal Language

Talk, Talk, Squawk!

The Theory That Changed
Everything

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Primate Vocal
Communication

Ethics, Language and the
Human-Animal Divide

***From Sources of the Self to A Secular
Age, Charles Taylor has shown how we
create ways of being, as individuals and***

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as a society. Here, he demonstrates that language is at the center of this generative process. Language does not merely describe; it constitutes meaning, and the shared practice of speech shapes human experience.

This book is an entry into the fierce current debate among psycholinguists,

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neuroscientists, and evolutionary theorists about the nature and origins of human language. A prominent neuroscientist here takes up the Darwinian case, using data seldom considered by psycholinguists and neurolinguists to argue that human language--though more sophisticated than all other forms of animal

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communication--is not a qualitatively different ability from all forms of animal communication, does not require a quantum evolutionary leap to explain it, and is not unified in a single language instinct. Using clinical evidence from speech-impaired patients, functional neuroimaging, and evolutionary biology

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to make his case, Philip Lieberman contends that human language is not a single separate module but a functional neurological system made up of many separate abilities. Language remains as it began, Lieberman argues: a device for coping with the world. But in a blow to human narcissism, he makes the case that

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this most remarkable human ability is a by-product of our remote reptilian ancestors' abilities to dodge hazards, seize opportunities, and live to see another day. Experts investigate communicative flexibility (in both form and usage of signals) as the foundation of the evolution of complex communication

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systems, including human language. The evolutionary roots of human communication are difficult to trace, but recent comparative research suggests that the first key step in that evolutionary history may have been the establishment of basic communicative flexibility--the ability to vocalize freely combined with

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the capability to coordinate vocalization with communicative intent. The contributors to this volume investigate how some species (particularly ancient hominids) broke free of the constraints of "fixed signals," actions that were evolved to communicate but lack the flexibility of language--a newborn infant's cry, for

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example, always signals distress and has a stereotypical form not modifiable by the crying baby. Fundamentally, the contributors ask what communicative flexibility is and what evolutionary conditions can produce it. The accounts offered in these chapters are notable for taking the question of language origins

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farther back in evolutionary time than in much previous work. Many contributors address the very earliest communicative break of the hominid line from the primate background; others examine the evolutionary origins of flexibility in, for example, birds and marine mammals. The volume's interdisciplinary theoretical

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perspectives illuminate issues that are on the cutting edge of recent research on this topic. Contributors Stéphanie Barbu, Curt Burgess, Josep Call, Laurance Doyle, Julia Fischer, Michael Goldstein, Ulrike Griebel, Kurt Hammerschmidt, Sean Hanser, Martine Hausberger, Laurence Henry, Allison Kaufman, Stan Kuczaj,

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*Robert F. Lachlan, Brian MacWhinney,
Radhika Makecha, Brenda McCowan, D.
Kimbrough Oller, Michael Owren, Ron
Schusterman, Charles T. Snowdon, Kim
Sterelny, Benoît Testé, Gert Westermann*
*The Author of this new volume on ant
communication demonstrates that
information theory is a valuable tool for*

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studying the natural communication of animals. To do so, she pursues a fundamentally new approach to studying animal communication and “linguistic” capacities on the basis of measuring the rate of information transmission and the complexity of transmitted messages. Animals’ communication systems and

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cognitive abilities have long-since been a topic of particular interest to biologists, psychologists, linguists, and many others, including researchers in the fields of robotics and artificial intelligence. The main difficulties in the analysis of animal language have to date been predominantly methodological in nature.

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Addressing this perennial problem, the elaborated experimental paradigm presented here has been applied to ants, and can be extended to other social species of animals that have the need to memorize and relay complex “messages”. Accordingly, the method opens exciting new dimensions in the study of natural

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communications in the wild.

Animal Vocal Communication

The Inner Workings of Conversation

The Speaking Animal

Introducing the Scope of Linguistic

Enquiry. A Student's Overview

Assessment and Management Roles

Complexity, Creativity, and Adaptability

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*in Human and Animal Communication
Studying Animal Languages Without
Translation: An Insight from Ants*

Annotation Dr. Dolittle--and many
students of animal
communication--are wrong: animals
cannot use language. This

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fascinating book explains why. Can animals be taught a human language and use it to communicate? Or is human language unique to human beings, just as many complex behaviors of other species are uniquely theirs?

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This engrossing book explores communication and cognition in animals and humans from a linguistic point of view and asserts that animals are not capable of acquiring or using human language. Stephen R. Anderson explains what

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is meant by communication, the difference between communication and language, and the essential characteristics of language. Next he examines a variety of animal communication systems, including bee dances, frog vocalizations, bird

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songs, and alarm calls and other vocal, gestural, and olfactory communication among primates. Anderson then compares these to human language, including signed languages used by the deaf. Arguing that attempts to teach human

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languages or their equivalents to the great apes have not succeeded in demonstrating linguistic abilities in nonhuman species, he concludes that animal communication systems--intriguing and varied though they may be--do not include

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all the essential properties of human language. Animals can communicate, but they can't talk. "Written in a playful and highly accessible style, Anderson's book navigates some of the difficult territory of linguistics to provide an

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illuminating discussion of the evolution of language."--Marc Hauser, author of "Wild Minds: What Animals Really Think.

This book proposes a detailed picture of the continuities and ruptures between communication in

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primates and language in humans. It explores a diversity of perspectives on the origins of language, including a fine description of vocal communication in animals, mainly in monkeys and apes, but also in birds, the study of vocal tract anatomy and

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cortical control of the vocal productions in monkeys and apes, the description of combinatorial structures and their social and communicative value, and the exploration of the cognitive environment in which language may

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have emerged from nonhuman primate vocal or gestural communication.

The way language as a human faculty has evolved is a question that preoccupies researchers from a wide spread of disciplines. In this

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book, a team of writers has been brought together to examine the evolution of language from a variety of such standpoints, including language's genetic basis, the anthropological context of its appearance, its formal structure, its

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relation to systems of cognition and thought, as well as its possible evolutionary antecedents. The book includes Hauser, Chomsky, and Fitch's seminal and provocative essay on the subject, 'The Faculty of Language,' and charts the progress

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of research in this active and highly controversial field since its publication in 2002. This timely volume will be welcomed by researchers and students in a number of disciplines, including linguistics, evolutionary biology,

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psychology, and cognitive science. Humans instinctively form words by weaving patterns of meaningless speech elements. Moreover, we do so in specific, regular ways. We contrast dogs and gods, favour blogs to lbogs. We begin forming

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sound-patterns at birth and, like songbirds, we do so spontaneously, even in the absence of an adult model. We even impose these phonological patterns on invented cultural technologies such as reading and writing. But why are

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humans compelled to generate phonological patterns? And why do different phonological systems - signed and spoken - share aspects of their design? Drawing on findings from a broad range of disciplines including linguistics, experimental

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psychology, neuroscience and comparative animal studies, Iris Berent explores these questions and proposes a new hypothesis about the architecture of the phonological mind.

The Simian Tongue

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The Phonological Mind
Origins of Human Language
The Language Animal
The Extended Phenotype
Animal Communication Theory
"On the Origin of Species" as a
Work in Progress

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**From the team behind
Poo, Extreme Animals,
What's Eating You? and
Just the Right Size
comes another funny and
informative book on
animal biology, this**

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**time looking at how and
why animals communicate
- for the purposes of
mating, gathering food,
warning of danger, and
many many more.**

Biologist and children's

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**writer Nicola Davies
takes the reader all
over the world and
across a wide variety of
enthralling species to
discover the mysteries
behind animal**

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**ommunication,
accompanied by Neal
Layton's funny and
colourful drawings -
solid biology told with
great wit and style.
Yet for most of the next**

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**century, the simian
tongue and the means for
its study existed at the
scientific periphery.
How The Mind Creates
Language
Internatural**

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Communication