



# The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect

By John Bradshaw

[Download now](#)

[Read Online](#) 

**The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect** By John Bradshaw

On the cutting edge of neuropsychology and cognitive science, this book investigates lateral asymmetries in the human brain and contrasts these with asymmetries in invertebrates, primitive vertebrates, rats, birds, mammals and primates. Ten illustrated chapters present asymmetries in lower life forms, progress to hominoids and hominids, and discuss how such asymmetries are responsible for the development of language, upright posture, tool use, intelligence and self-awareness in humans. Regarded as experts in their field, the authors have already received much acclaim for their previous books.

\*

- \* Shows that lateralization of function occurs systematically throughout the animal kingdom and is not unique to humans
- \* Explains why lateralization of function depends upon a complex interplay of genetic, structural and environmental factors and is also subject to hormonal and maturational determination
- \* Demonstrates the close commonality between human and non-human species with respect to such hitherto uniquely human attributes as consciousness, tool use and language
- \* Provides an account of human evolution in the context of language, tool use, art and intellect, at the neurologicl, behvioural and archaeological levels - a new synthesis

 [Download The Evolution of Lateral Asymmetries, Language, To ...pdf](#)

 [Read Online The Evolution of Lateral Asymmetries, Language, ...pdf](#)



# **The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect**

*By John Bradshaw*

## **The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect** By John Bradshaw

On the cutting edge of neuropsychology and cognitive science, this book investigates lateral asymmetries in the human brain and contrasts these with asymmetries in invertebrates, primitive vertebrates, rats, birds, mammals and primates. Ten illustrated chapters present asymmetries in lower life forms, progress to hominoids and hominids, and discuss how such asymmetries are responsible for the development of language, upright posture, tool use, intelligence and self-awareness in humans. Regarded as experts in their field, the authors have already received much acclaim for their previous books.

\*

\* Shows that lateralization of function occurs systematically throughout the animal kingdom and is not unique to humans

\* Explains why lateralization of function depends upon a complex interplay of genetic, structural and environmental factors and is also subject to hormonal and maturational determination

\* Demonstrates the close commonality between human and non-human species with respect to such hitherto uniquely human attributes as consciousness, tool use and language

\* Provides an account of human evolution in the context of language, tool use, art and intellect, at the neurologicl, behvioural and archaeological levels - a new synthesis

## **The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect** By John Bradshaw **Bibliography**

- Sales Rank: #5351995 in Books
- Color: Other
- Brand: Brand: Academic Press
- Published on: 1992-12-23
- Original language: English
- Number of items: 1
- Dimensions: 9.02" h x 1.19" w x 5.98" l, 2.01 pounds
- Binding: Hardcover
- 463 pages



[Download The Evolution of Lateral Asymmetries, Language, To ...pdf](#)



[\*\*Read Online\*\*](#) The Evolution of Lateral Asymmetries, Language, ...pdf

**Download and Read Free Online The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect By John Bradshaw**

---

## **Editorial Review**

### **Review**

"Promises a good deal in its title and delivers even more... The authors have thoroughly researched and synthesized the literature on asymmetries from lower vertebrates to early hominids and human beings. Along the way, the reader is provided with a wealth of information about asymmetries in birds, rats and mice, nonprimate mammals, and primates... Come as close to being 'state of the art' as anything I have read on this subject, making it a 'must-read' for those with an academic or research interest in the evolution of the brain and cognition... Well organized and well illustrated."

--Dean Falk in **AMERICAN SCIENTIST**

"In depth coverage... Each chapter provides comprehensive, informative, and scholarly reviews of the literature... The approach of these authors... is decidedly refreshing."

--Kathleen R. Gibson in **AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY**

"The authors have convincingly supported their primary argument: that although hemispheric specialization is most striking with regard to human speech and other advanced cognitive abilities, cerebral asymmetry is a quantitative rather than a qualitative distinction between human and other animals."

--Heather Williams in **SCIENCE**

"It is a pleasure to read a book that is a genuine work of scholarship on the part of two productive researchers... It is a superbly thorough review, and will serve as an excellent, up-to-date sourcebook of information on human evolution and its antecedents... The authors comment intelligently and insightfully on many of the issues surrounding different aspects of human evolution."

--Michael C. Corballis in **AMERICAN JOURNAL OF PSYCHOLOGY**

"The strength of this book lies in the thoroughness with which anatomical, physiological, and behavioural asymmetries in vertebrates have been documented. The extraordinary detail of the early chapters is imbued with the authors' enthusiasm for their subject... Scholarly and comprehensive... A useful reference database for scientists with an interest in brain and behavioural asymmetries in birds or mammals."

--**THE QUARTERLY JOURNAL OF EXPERIMENTAL PSYCHOLOGY**

"Their treatment is comprehensive and up-to-date; it should convince sceptics that asymmetries in brain function and in behaviour deserve as much attention in other higher vertebrates as they receive in humans... Great care has gone into the preparation of the book... The issues are perennially fascinating and the treatment clear and attractive... Proper scepticism and balance are shown."

--**Animal Behaviour**

### **From the Back Cover**

On the cutting edge of neuropsychology and cognitive science, this book investigates lateral asymmetries in the human brain and contrasts these with asymmetries in primates as well as invertebrates, primitive vertebrates, birds, and other mammals. Nine illustrated chapters present asymmetries in lower life forms, progress to hominoids and hominids, and discuss how such asymmetries are responsible for the development of language, upright posture, tool use, intellect, and self-awareness in humans. A summary and conclusions section at the end of each chapter provide both a general survey and a balanced judgment of any controversial aspects previously discussed. Regarded as experts in their field, the authors have received much acclaim for their previous books.

### **Key Features**

-- Shows that lateralization of function occurs systematically throughout the animal kingdom and is not unique to humans

- Explains why lateralization of function depends upon a complex interplay of generic, structural, and environmental factors and is also subject to hormonal and maturational determination
- Demonstrates the close commonality between human and nonhuman species with respect to such hitherto uniquely human attributes as consciousness, tool use, and language
- Provides an account of human evolution in the context of language, tool use, art, and intellect at the neurological, behavioral, and archaeological levels -- a new synthesis

#### About the Author

Ralph A. Bradshaw: University of California, San Francisco Professor of Chemistry and Pharmaceutical Chemistry and Deputy Director of the Mass Spectrometry Facility; also Professor Emeritus of the Dept of Physiology & Biophysics, UC Irvine Bradshaw is an emeritus member of the Board of Directors of the Keystone Symposia on Molecular and Cellular Biology and Co-editor of Molecular and Cellular Proteomics. His research interests are in the area of polypeptide growth factors and their receptors, cell signaling, N-terminal processing of proteins and proteomics. He has published over 300 articles in these and related areas.

### Users Review

#### From reader reviews:

##### **Joshua Arwood:**

Why don't make it to become your habit? Right now, try to ready your time to do the important behave, like looking for your favorite guide and reading a guide. Beside you can solve your long lasting problem; you can add your knowledge by the guide entitled The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect. Try to face the book The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect as your friend. It means that it can to be your friend when you truly feel alone and beside that course make you smarter than before. Yeah, it is very fortuned in your case. The book makes you much more confidence because you can know almost everything by the book. So , we need to make new experience as well as knowledge with this book.

##### **Bobbie Flores:**

Book is written, printed, or outlined for everything. You can learn everything you want by a book. Book has a different type. As we know that book is important point to bring us around the world. Beside that you can your reading ability was fluently. A e-book The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect will make you to be smarter. You can feel more confidence if you can know about anything. But some of you think that open or reading any book make you bored. It is far from make you fun. Why they could be thought like that? Have you in search of best book or appropriate book with you?

##### **Roxanne Pineda:**

The book The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect can give more knowledge and also the precise product information about everything you want. Exactly why must we leave a good thing like a book The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect? A number of you have a different opinion about e-book. But one aim that book can give many details for us. It is absolutely right. Right now, try to closer with your book. Knowledge or details that you take for that, you

could give for each other; it is possible to share all of these. Book The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect has simple shape but you know: it has great and big function for you. You can appearance the enormous world by wide open and read a e-book. So it is very wonderful.

**Richard Crowe:**

This book untitled The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect to be one of several books in which best seller in this year, that is because when you read this book you can get a lot of benefit on it. You will easily to buy this book in the book retailer or you can order it through online. The publisher on this book sells the e-book too. It makes you more readily to read this book, as you can read this book in your Smart phone. So there is no reason for you to past this reserve from your list.

**Download and Read Online The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect By John Bradshaw  
#KS2DWX167U4**

# **Read The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect By John Bradshaw for online ebook**

The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect By John Bradshaw Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect By John Bradshaw books to read online.

## **Online The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect By John Bradshaw ebook PDF download**

**The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect By John Bradshaw Doc**

**The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect By John Bradshaw MobiPocket**

**The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect By John Bradshaw EPub**

**KS2DWX167U4: The Evolution of Lateral Asymmetries, Language, Tool Use, and Intellect By John Bradshaw**