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Nota di contenuto	Introduction : A primer on information and influence in animal communication / Ulrich E. Stegmann -- Influence and information in communication networks / Andrew G. Horn and Peter K. McGregor -- Animal communication as information-mediated influence / Andrea Scarantino -- Communication as information use : insights from statistical decision theory / Caitlin R. Kight, John M. McNamara, David W. Stephens and Sasha R.X. Dall -- Communication as a transfer of information : measurement, mechanism, and meaning / R. Haven Wiley -- Natural information, intentional signs and animal communication / Ruth G. Millikan -- Communication without meaning or information : abandoning language-based and informational constructs in animal communication / Drew Rendall and Michael J. Owren -- Information in animal communication : when and why does it matter? / Sahotra Sarkar -- Mitogenetic rays and the information metaphor : transmitted information has had its day / Eugene S. Morton and Richard G. Coss --

The importance of integrative biology to sexual selection and communication / Michael J. Ryan -- Animal signals : always influence, sometimes information / Claire Horisk and Reginald B. Cocroft -- Learned signals and consistency of delivery : a case against receiver manipulation in animal communication / Carlos A. Botero and Selvino R. de Kort -- Information, inference and meaning in primate vocal behaviour / Julia Fischer -- Information and uncertainty in meerkats and monkeys / Colin Allen -- The neural representation of vocalisation perception / Kate L. Christison-Lagay and Yale E. Cohen -- The value of information in signals and cues / Michael Lachmann -- Information and influence in sender-receiver models, with applications to animal behaviour / Peter Godfrey-Smith -- Information, meaning and animal communication / Fred Adams and Steve Beighley -- Information, influence and inference in language evolution / Thomas C. Scott-Phillips and Simon Kirby.

Sommario/riassunto

The explanation of animal communication by means of concepts like information, meaning and reference is one of the central foundational issues in animal behaviour studies. This book explores these issues, revolving around questions such as: • What is the nature of information? • What theoretical roles does information play in animal communication studies? • Is it justified to employ these concepts in order to explain animal communication? • What is the relation between animal signals and human language? The book approaches the topic from a variety of disciplinary perspectives, including ethology, animal cognition, theoretical biology and evolutionary biology, as well as philosophy of biology and mind. A comprehensive introduction familiarises non-specialists with the field and leads on to chapters ranging from philosophical and theoretical analyses to case studies involving primates, birds and insects. The resulting survey of new and established concepts and methodologies will guide future empirical and theoretical research.
