

THIRD EDITION



# Animal Tool Behavior

THE USE AND MANUFACTURE OF TOOLS BY ANIMALS

Robert W. Shumaker, Kristina R. Walkup, and Benjamin B. Beck  
foreword by Gordon M. Burghardt

# Animal Tool

**Thomas Carlyle**



## **Animal Tool:**

**Animal Tool Behavior** Robert W. Shumaker, Kristina R. Walkup, Benjamin B. Beck, 2011-05-02 When published in 1980 Benjamin B Beck's *Animal Tool Behavior* was the first volume to catalog and analyze the complete literature on tool use and manufacture in non human animals Beck showed that animals from insects to primates employed different types of tools to solve numerous problems His work inspired and energized legions of researchers to study the use of tools by a wide variety of species In this revised and updated edition of the landmark publication Robert W Shumaker and Kristina R Walkup join Beck to reveal the current state of knowledge regarding animal tool behavior Through a comprehensive synthesis of the studies produced through 2010 the authors provide an updated and exact definition of tool use identify new modes of use that have emerged in the literature examine all forms of tool manufacture and address common myths about non human tool use Specific examples involving invertebrates birds fish and mammals describe the differing levels of sophistication of tool use exhibited by animals

**Animal Tool Behavior** Robert W. Shumaker, Kristina R. Walkup, Benjamin B. Beck, 2024-12-10 This third edition is the essential gold use standard reference of how animals use and manufacture tools with a decade of new findings

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[Amazing Animal Tool-Users and Tool-Makers](#) Leon Gray, 2015-08 Describes the different types of tools animals use to find food build homes or defend themselves

[America](#), 1920 The Jesuit review of faith and culture Nov 13 2017

**Animals** Worthington Hooker, 1880

**Animals that Use Tools** Barbara Ford, 1978 Discusses the ability of many different animals including crabs vultures otters elephants and chimpanzees to use tools and the ability of a fewer number of species to make tools

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