

bat feet anatomy

bat feet anatomy is a fascinating topic that delves into the unique adaptations and structures of bat feet, which play a critical role in their lifestyle and survival. Bats, belonging to the order Chiroptera, are the only mammals capable of sustained flight, and their feet have evolved distinct features that facilitate this ability. This article will explore the intricate anatomy of bat feet, including their skeletal structure, muscular composition, and functional adaptations. Additionally, we will discuss the variations among different bat species and the ecological significance of their foot anatomy. Understanding bat feet anatomy not only sheds light on these remarkable creatures but also emphasizes their importance in various ecosystems.

- Introduction
- Overview of Bat Feet Anatomy
- Skeletal Structure of Bat Feet
- Muscle Composition and Functionality
- Variations Across Bat Species
- Ecological Significance of Bat Feet
- Conclusion
- Frequently Asked Questions

Overview of Bat Feet Anatomy

Bat feet anatomy is uniquely adapted to support their flying lifestyle and varied ecological roles. Unlike traditional mammalian feet, bat feet have evolved to be elongated and flexible, allowing for better maneuverability during flight and enhanced grip while roosting or climbing. The primary components of bat feet include the bones, muscles, tendons, and skin, all of which contribute to their specialized functions.

The anatomy of bat feet can be categorized into several key areas: the structure of the toes, the arrangement of bones, and the presence of unique adaptations such as the patagium. The toes of bats are typically long and slender, allowing for a wide grip and the ability to grasp various surfaces. This adaptation is particularly useful for species that roost in trees or caves.

Skeletal Structure of Bat Feet

The skeletal structure of bat feet is a marvel of evolutionary adaptation. Bats possess a modified forelimb that includes elongated metacarpals and phalanges, which support their wing membranes. However, their feet also exhibit a specialized configuration that aids in locomotion and perching.

Bone Composition

Bat feet consist of several key bones:

- **Phalanges:** Bats have elongated phalanges (finger bones) that provide the necessary length for their wings. The first digit, or thumb, is often reduced in size, while the other fingers support the wing membrane.
- **Metatarsals:** The metatarsals (the bones of the foot) are elongated, allowing for increased flexibility and a wide range of motion, which is essential for grasping surfaces.
- **Calcaneus:** The calcaneus (heel bone) is prominent and aids in weight-bearing and movement.
- **Sesamoid bones:** These small bones are present in the feet of bats and serve to enhance the leverage of tendons.

Joint Articulation

The joints within the bat foot are highly flexible, allowing for a wide range of motion. This flexibility is crucial for their ability to cling to various surfaces while roosting or during feeding. The arrangement of the joints also facilitates the rapid movement of toes, enabling bats to respond quickly to environmental changes.

Muscle Composition and Functionality

The muscle composition of bat feet is another key aspect of their anatomy. The muscles are finely tuned to support the complex movements required for flying, climbing, and perching. The musculature of bat feet includes both intrinsic and extrinsic muscles.

Intrinsic Muscles

Intrinsic muscles are located within the foot itself and control the fine movements of the toes. These muscles allow bats to grasp surfaces tightly, which is particularly important for species that roost in precarious locations. The strength and agility of these muscles are vital for their survival, as they help bats navigate their environments efficiently.

Extrinsic Muscles

Extrinsic muscles originate from the forearm and extend into the feet, providing additional strength and control. These muscles play a significant role in the flight mechanics of bats, allowing for coordinated movements between the wings and feet during takeoff and landing.

Variations Across Bat Species

Across the diverse order of bats, there is considerable variation in foot anatomy that reflects the ecological niches they occupy. Different species exhibit unique adaptations in their feet to enhance their survival and reproductive success.

Insectivorous Bats

Insectivorous bats, such as the common pipistrelle, possess feet that are adapted for catching and holding onto flying insects. Their toes are equipped with sharp claws that enhance their ability to grasp prey mid-flight.

Fruit Bats

Fruit bats, or flying foxes, have larger feet with a more robust structure, allowing them to navigate through trees and grasp fruit. Their feet are adapted for a different lifestyle, reflecting their dietary preferences and roosting behaviors.

Ecological Significance of Bat Feet

The anatomy of bat feet plays a vital role in the ecological functions that bats serve. Their unique adaptations contribute to their ability to pollinate plants, disperse seeds, and control insect populations. Each of these ecological roles is closely linked to the structural and functional aspects of their feet.

Pollination and Seed Dispersal

Bats are important pollinators for many plant species, particularly in tropical and subtropical ecosystems. Their feet allow them to cling to flowers while feeding on nectar, facilitating the transfer of pollen. Additionally, their ability to carry fruit away from the parent tree contributes to seed dispersal, promoting plant diversity.

Insect Control

By preying on insects, bats play a crucial role in controlling pest populations, which can have significant implications for agriculture and human health. Their efficient foraging

strategies, supported by their specialized foot anatomy, enable them to capture and consume large quantities of insects each night.

Conclusion

Understanding bat feet anatomy provides valuable insights into the adaptations that enable these creatures to thrive in diverse environments. The intricate skeletal and muscular structures of bat feet are specifically designed to facilitate flight, foraging, and roosting behaviors. As we continue to study these remarkable mammals, it becomes increasingly clear that their foot anatomy is not just a physical characteristic; it is a key component of their ecological role and evolutionary success.

Q: What are the main components of bat feet anatomy?

A: The main components of bat feet anatomy include the phalanges, metatarsals, calcaneus, and various intrinsic and extrinsic muscles that facilitate movement and grip.

Q: How do bat feet differ from traditional mammalian feet?

A: Bat feet differ from traditional mammalian feet in their elongated structure, specialized joints for increased flexibility, and adaptations such as sharp claws for grasping and flight efficiency.

Q: What role do bat feet play in their feeding habits?

A: Bat feet play a crucial role in their feeding habits by allowing them to grasp surfaces or prey, whether they are capturing insects in flight or clinging to fruit-bearing plants for feeding.

Q: Are there differences in foot anatomy among various bat species?

A: Yes, there are significant differences in foot anatomy among various bat species, reflecting their ecological niches and behaviors, such as insectivorous bats having sharp claws versus fruit bats having larger, more robust feet.

Q: How does bat feet anatomy contribute to their ecological roles?

A: Bat feet anatomy contributes to their ecological roles by enabling behaviors such as pollination, seed dispersal, and insect control, which are vital for maintaining healthy

ecosystems.

Q: What adaptations help bats to roost effectively?

A: Adaptations that help bats to roost effectively include their long, flexible toes with sharp claws that allow them to securely grip onto various surfaces, such as tree branches and cave walls.

Q: How do bat feet support their ability to fly?

A: Bat feet support their ability to fly through their lightweight skeletal structure and strong muscles that enable coordinated movements between the wings and feet during flight maneuvers.

Q: Can bat feet anatomy influence their mating behaviors?

A: Yes, bat feet anatomy can influence their mating behaviors, as certain species may use their feet for grasping during mating or to secure themselves in roosting sites that are critical for attracting mates.

Q: What is the significance of the patagium in relation to bat feet?

A: The patagium is the wing membrane that stretches between the elongated fingers and toes, which aids in flight and is integral to the overall functionality of bat feet during aerial maneuvers.

Q: How does the anatomy of bat feet impact their survival and adaptation?

A: The anatomy of bat feet impacts their survival and adaptation by allowing them to exploit a variety of ecological niches, enhancing their abilities to forage, roost, and escape from predators effectively.

Bat Feet Anatomy

Find other PDF articles:

<https://explore.gcts.edu/business-suggest-008/files?ID=MVt96-6126&title=business-loan-in-sbi.pdf>

bat feet anatomy: *Functional Anatomy and Evolution of a Novel Skeletal Element in Bat Feet* Kathryn E. Stanchak, 2019 The striking postcranial anatomy of bats reflects their specialized ecology; they are the only mammals capable of powered flight. Bat postcranial adaptations include a series of membranes that connect highly-modified, or even novel, skeletal elements. While most studies of bat postcranial anatomy have focused on their wings, bat hindlimbs also contain many derived and functionally important, yet less studied, features. In this study, I investigate the anatomy, evolution, and function of the calcar, a novel skeletal element found in bat feet. In the first chapter, I introduce calcar anatomy with a detailed study of three bat species with different flight and foraging ecologies. I found more complex muscle arrangements in the species that exhibit more maneuverable flight, suggesting that they have more control over calcar movement. This first study inspired the rest of the dissertation, by suggesting that calcar morphology is functionally-relevant. In the second chapter, I present a thorough overview of calcar skeletal anatomy throughout Chiroptera. Through evolutionary modeling of calcar length, I find that the calcar exhibits an early burst of morphological evolution, indicating that the calcar anatomically diversified as bats initially radiated through the aerosphere. In the third chapter, I again narrow the focus and conduct an analysis of calcar motion during free, forward-flight in a laboratory population of Seba's short-tailed fruit bat (*Carollia perspicillata*). I find that the calcar does rotate about its joint with the calcaneus and that this rotation is greater about one axis than another. The muscles inserting on the calcar may act to stabilize it in one plane of motion. These chapters provide the most complete study of calcars to-date, particularly with regard to the quantitative tests of calcar evolutionary patterns and kinematics. Four data tables and one video are provided as Electronic Supplementary Materials for Chapters 2 and 3. Collectively, these three chapters demonstrate that novel skeletal additions can become integrated into vertebrate body plans and subsequently evolve into a variety of forms, potentially impacting clade diversification by expanding the available morphological space into which organisms can evolve.

bat feet anatomy: *Bat Island* Rachel A. Page, Dina K. N. Dechmann, M. Teague O'Mara, Marco Tschapka, The Smithsonian Tropical Research Institute, 2023-11-21 Bat Island spotlights the unique beauty and environmental importance of the seventy-six species of bats on Panama's Barro Colorado Island.

bat feet anatomy: *Boys' Life* , 1938-10 Boys' Life is the official youth magazine for the Boy Scouts of America. Published since 1911, it contains a proven mix of news, nature, sports, history, fiction, science, comics, and Scouting.

bat feet anatomy: *Applied Anatomy and Kinesiology* Wilbur Pardon Bowen, 1928 Bouve collection.

bat feet anatomy: *Fringe-Lipped Bats* Jill C. Wheeler, 2006-08-15 Introduces characteristics, habitat, and behaviors of the Fringe-lipped bat.

bat feet anatomy: *The Edinburgh Encyclopaedia: Anatomy* , 1830

bat feet anatomy: *Bats* Jennifer Overend Prior, 1999 Contains a literature-unit on bats featuring the children's books *Stellaluna* by Janell Cannon, and, *Zippping, zapping, zooming bats* by Ann Earle.

bat feet anatomy: *The Lives of Bats* DeeAnn M. Reeder, 2025-03-18 A wonderfully illustrated guide to the natural history of the world's bats Bats are the second-largest order of mammals and inhabit almost every corner of the globe, but these secretive creatures are often maligned and misunderstood. With more than 1,400 species worldwide, they are crucial contributors to ecosystems, controlling insect populations and fulfilling an essential role as pollinators. This one-of-a-kind guide showcases the unique characteristics and extraordinary diversity of our planet's bat life, providing an inviting introduction to these marvelous creatures. Written by a leading expert and packed with the latest scientific findings, *The Lives of Bats* blends diagrams and stunning photographs with in-depth coverage of profiled species to offer an incomparable look at these unsung heroes of the natural world. Includes a wealth of stunning color photos Features dozens of

representative species profiles that demonstrate the remarkable diversity and adaptability of the only mammals on Earth capable of powered flight Covers key topics such as anatomy, echolocation, diet, thermoregulation, mating, diseases, and immunity Discusses human relationships with bats Essential reading for wildlife lovers everywhere

bat feet anatomy: The Wild Mammals of Missouri Charles Walsh Schwartz, Elizabeth Reeder Schwartz, 2001 Prepared by two of Missouri's most distinguished conservationists, *The Wild Mammals of Missouri* has been the definitive guide to mammals of this state for over forty years. Now the University of Missouri Press is pleased to release an updated edition, revised by Elizabeth R. Schwartz, reflecting the changes in Missouri's mammalian fauna and including the latest taxonomic revisions. Maintaining the original's successful format and the language that made the book accessible to both professional and lay readers, the revised edition incorporates throughout new knowledge of the various species of mammals of Missouri. Most notable is the addition of a new resident species, the nine-banded armadillo. Several other taxonomic and distributional changes are reflected and the range maps have been revised to show significant changes. Charles Schwartz's meticulously rendered drawings capture the spirit of his subjects while remaining technically accurate. These drawings range from fully rendered portraits to illustrations of dentition and skulls, tracks, and other identifying characteristics, to vignettes showing the mammals engaged in characteristic behaviors. Also included in this volume are discussions of all biological and ecological aspects of the mammals including distribution and abundance, habitat and home, habits, food, reproduction, adversities faced, and conservation and management concerns. The Schwartzes' lifelong dedication to state and national conservation and their vast biological knowledge are apparent throughout the pages of this attractive reference guide. People of all ages and backgrounds will find *The Wild Mammals of Missouri* an invaluable guide to the study of Missouri's mammals.

bat feet anatomy: Honduran White Bats Jill C. Wheeler, 2006-08-15 Introduces characteristics, habitat, and behaviors of the Honduran white bat.

bat feet anatomy: Applied anatomy and kinesiology, the mechanism of muscular movement Wilbur Pardon Bowen, 1917

bat feet anatomy: Lectures on Comparative Anatomy, in which are Explained the Preparations in the Hunterian Collection, Illustr. by Engravings Sir Everard Home, 1814

bat feet anatomy: *A Manual of Surgical Anatomy, ... by H. M. Edwards ... Tr. with Notes by William Coulson ...* Henri Milne-Edwards, 1856

bat feet anatomy: *Educator's Activity Book about Bats* Merlin D. Tuttle, Bat Conservation International, 1994-01-01 Primarily for ages 4-10, this book includes 18 games, craft projects, and many more fun activities that enable children to learn the facts about bats before negative stereotypes become established. Background information for teachers is included.

bat feet anatomy: *Busting Bat Myths* Barrett Williams, ChatGPT, 2025-01-13 Dive into the enigmatic world of bats like never before with *Busting Bat Myths*. "Unravel the mysteries surrounding these fascinating creatures and separate fact from fiction in an exploration that's as educational as it is riveting. This engaging eBook delves into every corner of the bat universe, breaking down misconceptions and illuminating truths that are often overshadowed by myths and fear. Begin your journey with an introduction to the most common bat myths, where you will discover how these tales have spread across cultures and time. Journey through the fascinating anatomy and diverse species of bats, and uncover the secretive nocturnal lifestyles that make them unique. *Busting Bat Myths* also tackles the often misunderstood link between bats and disease, offering a clear, factual perspective to ease fears and promote understanding. Discover the vital role bats play in ecosystems—as pollinators, seed dispersers, and natural pest controllers. Through intriguing case studies and real-world examples, see how bats help nurture the environment and contribute to reforestation. Step into the world of bat houses, where you'll learn about their design, placement, and maintenance in debunking myths and ensuring a habitat that supports bat populations. Engage with the reality of bats in our backyards, highlighting their benefits and how

safely interacting with them can be both rewarding and educational. The eBook also emphasizes the importance of conservation efforts to protect these remarkable creatures and how you can be a part of this global mission. From urban settings to national parks, explore inspiring stories of successful bat conservation initiatives. Busting Bat Myths offers not only an enlightening read but a call to action, encouraging readers to embrace bat conservation and education. Immerse yourself in this comprehensive guide and emerge with a renewed appreciation for bats and their invaluable place in our world.

bat feet anatomy: Reproductive Biology of Bats Elizabeth G. Crichton, Philip H. Krutzsch, 2000-06-12 The Reproductive Biology of Bats presents the first comprehensive, in-depth review of the current knowledge and supporting literature concerning the behavior, anatomy, physiology and reproductive strategies of bats. These mammals, which occur world-wide and comprise a vast assemblage of species, have evolved unique and successful reproductive strategies through varied anatomical and physiological specialization. These are accompanied by individual and/or group behavioral interactions, usually in response to environmental mechanisms essential to their reproductive success. - Is the first book devoted to the reproductive biology of bats - Contains in-depth reviews of the literature concerned with bat reproduction - Contributors are widely recognized specialists - Provides a powerful database for future research

bat feet anatomy: Bats Marianne Taylor, 2019 This extravagantly illustrated handbook features the work of famed nature photographer Merlin D. Tuttle and in-depth profiles of megabats and microbats.

bat feet anatomy: Monthly Packet , 1872

bat feet anatomy: The Cyclopaedia of Anatomy and Physiology: INS-PLA Robert Bentley Todd, 1836

bat feet anatomy: NET Nurse Entrance Test Exam Practice Questions and Dumps Aiva Books, The Nursing Entrance Test (NET) is another commonly used exam that covers basic high school-level knowledge in the topics of reading and math. Administered through specific schools, it also aims to assess your decision-making skills, learning style, and how you handle stressful situations. Includes all NET modules (some are optional depending on your school) Reading Comprehension, Math, and English. Here we've brought best Exam practice questions for you so that you can prepare well for NET exam. Unlike other online simulation practice tests, you get an eBook/Paperback version that is easy to read & remember these questions. You can simply rely on these questions for successfully certifying this exam.

Related to bat feet anatomy

Using parameters in batch files at Windows command line In Windows, how do you access arguments passed when a batch file is run? For example, let's say I have a program named hello.bat. When I enter hello -a at a Windows command line, how

How to code a BAT file to always run as admin mode? The answers provided by both Kerrek SB and Ed Greaves will execute the target file under the admin user but, if the file is a Command script (.bat file) or VB script (.vbs file)

Keep CMD open after BAT file executes - Stack Overflow I have a bat file like this: ipconfig That will print out the IP info to the screen, but before the user can read that info CMD closes itself. I believe that CMD assumes the script has

BAT file to map to network drive without running as admin I'm trying to create a .bat file that will map to a network drive when it is clicked (it would be even better if it could connect automatically on login if connected to the network,

IF, CALL, EXIT and %ERRORLEVEL% in a .bat - Stack Overflow IF, CALL, EXIT and %ERRORLEVEL% in a .bat Asked 11 years, 2 months ago Modified 11 years, 2 months ago Viewed 23k times

windows - How can I debug a .BAT script? - Stack Overflow Is there a way to step through a .bat script? The thing is, I have a build script , which calls a lot of other scripts, and I would like to

see what is the order in which they are called, so

Open a folder with File explorer using .bat - Stack Overflow Open a folder with File explorer using .bat Asked 11 years, 10 months ago Modified 3 years, 8 months ago Viewed 189k times

How to prevent auto-closing of console after the execution of What command can I put at the end of a batch file to prevent auto-closing of the console after the execution of the file?

Running a CMD or BAT in silent mode - Stack Overflow How can I run a CMD or .bat file in silent mode? I'm looking to prevent the CMD interface from being shown to the user

Defining and using a variable in batch file - Stack Overflow The space before the = is interpreted as part of the name, and the space after it (as well as the quotation marks) are interpreted as part of the value. So the variable you've created can be

Using parameters in batch files at Windows command line In Windows, how do you access arguments passed when a batch file is run? For example, let's say I have a program named hello.bat. When I enter hello -a at a Windows command line, how

How to code a BAT file to always run as admin mode? The answers provided by both Kerrek SB and Ed Greaves will execute the target file under the admin user but, if the file is a Command script (.bat file) or VB script (.vbs file)

Keep CMD open after BAT file executes - Stack Overflow I have a bat file like this: ipconfig That will print out the IP info to the screen, but before the user can read that info CMD closes itself. I believe that CMD assumes the script has

BAT file to map to network drive without running as admin I'm trying to create a .bat file that will map to a network drive when it is clicked (it would be even better if it could connect automatically on login if connected to the network,

IF, CALL, EXIT and %ERRORLEVEL% in a .bat - Stack Overflow IF, CALL, EXIT and %ERRORLEVEL% in a .bat Asked 11 years, 2 months ago Modified 11 years, 2 months ago Viewed 23k times

windows - How can I debug a .BAT script? - Stack Overflow Is there a way to step through a .bat script? The thing is, I have a build script , which calls a lot of other scripts, and I would like to see what is the order in which they are called, so

Open a folder with File explorer using .bat - Stack Overflow Open a folder with File explorer using .bat Asked 11 years, 10 months ago Modified 3 years, 8 months ago Viewed 189k times

How to prevent auto-closing of console after the execution of What command can I put at the end of a batch file to prevent auto-closing of the console after the execution of the file?

Running a CMD or BAT in silent mode - Stack Overflow How can I run a CMD or .bat file in silent mode? I'm looking to prevent the CMD interface from being shown to the user

Defining and using a variable in batch file - Stack Overflow The space before the = is interpreted as part of the name, and the space after it (as well as the quotation marks) are interpreted as part of the value. So the variable you've created can be

Using parameters in batch files at Windows command line In Windows, how do you access arguments passed when a batch file is run? For example, let's say I have a program named hello.bat. When I enter hello -a at a Windows command line, how

How to code a BAT file to always run as admin mode? The answers provided by both Kerrek SB and Ed Greaves will execute the target file under the admin user but, if the file is a Command script (.bat file) or VB script (.vbs file)

Keep CMD open after BAT file executes - Stack Overflow I have a bat file like this: ipconfig That will print out the IP info to the screen, but before the user can read that info CMD closes itself. I believe that CMD assumes the script

BAT file to map to network drive without running as admin I'm trying to create a .bat file that will map to a network drive when it is clicked (it would be even better if it could connect automatically on login if connected to the network,

IF, CALL, EXIT and %ERRORLEVEL% in a .bat - Stack Overflow IF, CALL, EXIT and %ERRORLEVEL% in a .bat Asked 11 years, 2 months ago Modified 11 years, 2 months ago Viewed

23k times

windows - How can I debug a .BAT script? - Stack Overflow Is there a way to step through a .bat script? The thing is, I have a build script , which calls a lot of other scripts, and I would like to see what is the order in which they are called, so

Open a folder with File explorer using .bat - Stack Overflow Open a folder with File explorer using .bat Asked 11 years, 10 months ago Modified 3 years, 8 months ago Viewed 189k times

How to prevent auto-closing of console after the execution of batch What command can I put at the end of a batch file to prevent auto-closing of the console after the execution of the file?

Running a CMD or BAT in silent mode - Stack Overflow How can I run a CMD or .bat file in silent mode? I'm looking to prevent the CMD interface from being shown to the user

Defining and using a variable in batch file - Stack Overflow The space before the = is interpreted as part of the name, and the space after it (as well as the quotation marks) are interpreted as part of the value. So the variable you've created can be

Using parameters in batch files at Windows command line In Windows, how do you access arguments passed when a batch file is run? For example, let's say I have a program named hello.bat. When I enter hello -a at a Windows command line, how

How to code a BAT file to always run as admin mode? The answers provided by both Kerrek SB and Ed Greaves will execute the target file under the admin user but, if the file is a Command script (.bat file) or VB script (.vbs file)

Keep CMD open after BAT file executes - Stack Overflow I have a bat file like this: ipconfig That will print out the IP info to the screen, but before the user can read that info CMD closes itself. I believe that CMD assumes the script has

BAT file to map to network drive without running as admin I'm trying to create a .bat file that will map to a network drive when it is clicked (it would be even better if it could connect automatically on login if connected to the network,

IF, CALL, EXIT and %ERRORLEVEL% in a .bat - Stack Overflow IF, CALL, EXIT and %ERRORLEVEL% in a .bat Asked 11 years, 2 months ago Modified 11 years, 2 months ago Viewed 23k times

windows - How can I debug a .BAT script? - Stack Overflow Is there a way to step through a .bat script? The thing is, I have a build script , which calls a lot of other scripts, and I would like to see what is the order in which they are called, so

Open a folder with File explorer using .bat - Stack Overflow Open a folder with File explorer using .bat Asked 11 years, 10 months ago Modified 3 years, 8 months ago Viewed 189k times

How to prevent auto-closing of console after the execution of What command can I put at the end of a batch file to prevent auto-closing of the console after the execution of the file?

Running a CMD or BAT in silent mode - Stack Overflow How can I run a CMD or .bat file in silent mode? I'm looking to prevent the CMD interface from being shown to the user

Defining and using a variable in batch file - Stack Overflow The space before the = is interpreted as part of the name, and the space after it (as well as the quotation marks) are interpreted as part of the value. So the variable you've created can be

Related to bat feet anatomy

Can We Talk About How Weird Baby Mammals Are? (The Atlantic2y) As adults, bats—the only mammals in the world capable of bona fide flight—are all about their wings. The trademark appendages can span up to 66 inches; they help bats snag insects, climb trees,

Can We Talk About How Weird Baby Mammals Are? (The Atlantic2y) As adults, bats—the only mammals in the world capable of bona fide flight—are all about their wings. The trademark appendages can span up to 66 inches; they help bats snag insects, climb trees,

1,500th discovered bat species is a 'god of the island' (2d) It's official: the world's 1,500th known bat species has been discovered in Equatorial Guinea. And as luck would have it,

1,500th discovered bat species is a 'god of the island' (2d) It's official: the world's 1,500th known bat species has been discovered in Equatorial Guinea. And as luck would have it,

Study: Doctored bats go 2 percent farther / That's a 408-foot homer vs. 400-foot out

(SFGate22y) Corking a baseball bat really may help a power hitter -- at least until he gets caught. Engineers at the University of Massachusetts Baseball Research Center in Lowell, Mass., recently put corked bats

Study: Doctored bats go 2 percent farther / That's a 408-foot homer vs. 400-foot out

(SFGate22y) Corking a baseball bat really may help a power hitter -- at least until he gets caught. Engineers at the University of Massachusetts Baseball Research Center in Lowell, Mass., recently put corked bats

Back to Home: <https://explore.gcts.edu>