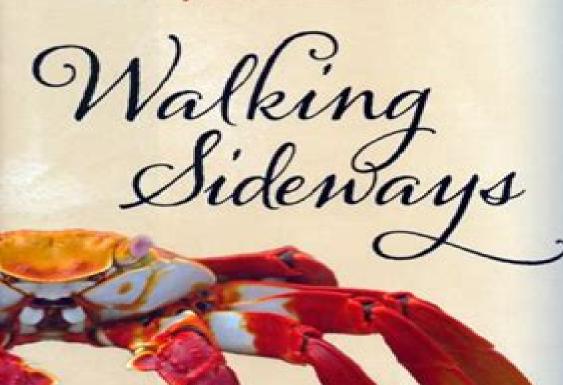
JUDITH S. WEIS



The

world of CRABS

Walking Sideways The Remarkable World Of Crabs

Uriel Martinez-Hernandez, Vasiliki Vouloutsi, Anna Mura, Michael Mangan, Minoru Asada, Tony J. Prescott, Paul F.M.J. Verschure

Walking Sideways The Remarkable World Of Crabs:

Walking Sideways Judith S. Weis, 2012-10-23 The world's nearly 7 000 species of crabs are immediately recognizable by their claws sideways movement stalked eyes and thick outer shells These common crustaceans are found internationally thriving in various habitats from the edge of the sea to the depths of the ocean in fresh water or on land Despite having the same basic body type as decapod crustaceans true crabs have heavy exoskeletons and ten limbs with front pincer claws crabs come in an enormous variety of shapes and sizes from the near microscopic to the giant Japanese spider crab In Walking Sideways Judith S Weis provides an engaging and informative tour of the remarkable world of crabs highlighting their unique biology and natural history. She introduces us to recently discovered crabs such as the Yeti crab found in deep sea vents explains what scientists are learning about blue and hermit crabs commonly found at the shore and gives us insight into the lifecycles of the king and Dungeness crabs typically seen only on dinner plates Among the topics Weis covers are the evolution and classification of crabs their habitats unique adaptations to water and land reproduction and development behavior ecology and threats including up to date research Crabs are of special interest to biologists for their communication behaviors sexual dimorphism and use of chemical stimuli and touch receptors and Weis explains the importance of new scientific discoveries In addition to the traditional ten legged crabs the book also treats those that appear eight legged including hermit crabs king crabs and sand crabs Sidebars address topics of special interest such as the relationship of lobsters to crabs and medical uses of compounds derived from horseshoe crabs which aren t really crabs While Weis emphasizes conservation and the threats that crabs face she also addresses the use of crabs as food detailing how crabs are caught and cooked and their commercial value from fisheries and aquaculture She highlights other interactions between crabs and people including keeping hermit crabs as pets or studying marine species in the laboratory and field Reminding us of characters such as The Little Mermaid's Sebastian and Sherman Lagoon's Hawthorne she also surveys the role of crabs in literature for both children and adults film and television as well in mythology and astrology With illustrations that offer delightful visual evidence of crab diversity and their unique behaviors Walking Sideways will appeal to anyone who has encountered these fascinating animals on the beach at an aquarium or in the kitchen **Walking Sideways** Judith S. Weis, 2012-11-15 The world's nearly 7 000 species of crabs are immediately recognizable by their claws sideways movement stalked eyes and thick outer shells These common crustaceans are found internationally thriving in various habitats from the edge of the sea to the depths of the ocean in fresh water or on land Despite having the same basic body type as decapod crustaceans true crabs have heavy exoskeletons and ten limbs with front pincer claws crabs come in an enormous variety of shapes and sizes from the near microscopic to the giant Japanese spider crab In Walking Sideways Judith S Weis provides an engaging and informative tour of the remarkable world of crabs highlighting their unique biology and natural history She introduces us to recently discovered crabs such as the Yeti crab found in deep sea vents explains what scientists are learning

about blue and hermit crabs commonly found at the shore and gives us insight into the lifecycles of the king and Dungeness crabs typically seen only on dinner plates Among the topics Weis covers are the evolution and classification of crabs their habitats unique adaptations to water and land reproduction and development behavior ecology and threats including up to date research Crabs are of special interest to biologists for their communication behaviors sexual dimorphism and use of chemical stimuli and touch receptors and Weis explains the importance of new scientific discoveries In addition to the traditional ten legged crabs the book also treats those that appear eight legged including hermit crabs king crabs and sand crabs Sidebars address topics of special interest such as the relationship of lobsters to crabs and medical uses of compounds derived from horseshoe crabs which aren t really crabs While Weis emphasizes conservation and the threats that crabs face she also addresses the use of crabs as food detailing how crabs are caught and cooked and their commercial value from fisheries and aquaculture She highlights other interactions between crabs and people including keeping hermit crabs as pets or studying marine species in the laboratory and field Reminding us of characters such as The Little Mermaid's Sebastian and Sherman Lagoon's Hawthorne she also surveys the role of crabs in literature for both children and adults film and television as well in mythology and astrology With illustrations that offer delightful visual evidence of crab diversity and their unique behaviors Walking Sideways will appeal to anyone who has encountered these fascinating animals on the beach at an <u>Life Sculpted</u> Anthony J. Martin, 2023-06-02 There is much to love between this book s covers aguarium or in the kitchen There are many eureka moments in Life Sculpted and some truly beautiful ones Eugenia Bone Wall Street Journal Meet the menagerie of lifeforms that dig crunch bore and otherwise reshape our planet Did you know elephants dig ballroom sized caves alongside volcanoes Or that parrotfish chew coral reefs and poop sandy beaches Or that our planet once hosted a five ton dinosaur crunching alligator cousin In fact almost since its fascinating start life was boring Billions of years ago bacteria algae and fungi began breaking down rocks in oceans a role they still perform today About a half billion years ago animal ancestors began drilling scraping gnawing or breaking rocky seascapes In turn their descendants crunched through the materials of life itself shells wood and bones Today such bioeroders continue to shape our planet from the bacteria that devour our teeth to the mighty moon snail always hunting for food as evidenced by tiny snail made boreholes in clams and other moon snails There is no better guide to these lifeforms than Anthony J Martin a popular science author paleontologist and co discoverer of the first known burrowing dinosaur Following the crumbs of lichens sponges worms clams snails octopi barnacles sea urchins termites beetles fishes dinosaurs crocodilians birds elephants and of course humans Life Sculpted reveals how bioerosion expanded with the tree of life becoming an essential part of how ecosystems function while reshaping the face of our planet With vast knowledge and no small amount of whimsy Martin uses paleontology biology and geology to reveal the awesome power of life's chewing force He provokes us to think deeply about the past and present of bioerosion while also considering how knowledge of this history might aid us in mitigating and adapting to climate change in the future

Yes Martin concedes sometimes life can be hard but life also makes everything less hard every day **Crab** Cynthia Chris, 2021-03-15 What is a crab What significance do crabs play in the world In Crab Cynthia Chris reveals that these charming creatures are social by nature creative problem solvers and invaluable members of the environments in which they live Their formidable physical forms their hard to harvest and quick to spoil flesh and their sassy demeanor have inspired artists and writers from Vincent van Gogh to Jean Paul Sartre Chris sketches vivid portraits of these animals tracing the history of the crab through its ancient fossil record to its essential role in protecting its own habitats from the threat of **Crabs** Peter J. F. Davie, 2021-12-07 A richly illustrated natural history of the world's crabs that examines climate change their diversity ecology anatomy behavior and more This lavishly illustrated book offers a remarkable look at the world's crabs More than 7 000 crab species in 100 different families are known today Their unique physiology and complex behaviors have made them one of the most diverse and adaptable of all animal groups They can thrive in the darkness of abyssal seas on the edges of scalding hot volcanic hydrothermal vents on sunlit coral reefs on wave washed rocky shores and in tropical rain forests at the tops of mountains They even persist in some of the harshest desert conditions Playing a vital role in marine and coastal ecology crabs have been identified as keystone species in habitats such as coral reefs and coastal tropical swamps Crabs comprises five chapters evolutionary pathways anatomy and physiology ecology reproduction cognition and behavior and exploitation and conservation Individual chapters include a variety of subtopics each illustrated by exceptional images and followed by numerous double full page species profiles Each profile has been chosen to emphasize remarkable and intriguing aspects of the life of these fascinating creatures Some species may be familiar but many are beyond anything you have probably seen before and will stretch your understanding of what a crab is Written by a world authority Crabs offers an accessible overview of these fascinating crustaceans More than 190 spectacular color photographs Accessible and well organized chapters Full profiles on 42 iconic species from across the world **Biomimetic and Biohybrid Systems** Uriel Martinez-Hernandez, Vasiliki Vouloutsi, Anna Mura, Michael Mangan, Minoru Asada, Tony J. Prescott, Paul F.M.J. Verschure, 2019-07-05 This book constitutes the proceedings of the 8th International Conference on Biomimetic and Biohybrid Systems Living Machines 2019 held in Nara Japan in July 2019 The 26 full and 16 short papers presented in this volume were carefully reviewed and selected from 45 submissions They deal with research on novel life like technologies inspired by the scientific investigation of biological systems biomimetics and research that seeks to interface biological and artificial systems to create biohybrid systems Growing Sideways in Twenty-first Century British Culture Anne Malewski, 2021-12-15 This volume examines changing boundaries between childhood and adulthood in British society and culture at the beginning of the twenty first century where these age boundaries are widely debated policed and contested to investigate alternatives to conventional ideas of growing up Building on observations especially in children's literature criticism that human growth is shaped by a grand narrative that privileges adulthood and on terminologies of non normative

growth particularly in queer theory this monograph develops growing sideways as a concept that queers this grand narrative by destabilising childhood and adulthood and the boundaries between them The concept is refined through close readings of twenty first century British children's literature television series film and participatory events troubling age boundaries via specific strategies in three conceptual areas appearance play and space Exploring power structures around age and gender this monograph traces growing sideways as a distinct and important alternative discourse of human growth Make You Go Yuck! Jennifer Dlugos, Charlie Hatton, 2021-09-16 It takes two to tango but in the wild two can do much crazier things than dance In Things That Make You Go Yuck Odd Couples you ll find out about nature s strangest dating rituals cooperative couples and parasitic pests You ll explore symbiotic pairings like crabs that carry sea urchins on their backs and hybrid franken species that seem like something out of a science fiction tale Whether it s nature s slimiest organisms or the weirdest mutations Things That Make You Go Yuck celebrates survival of the fittest grossest craziest and creepiest things in nature proving once and for all that life in the wild is anything but ordinary Ages 9 12 Vanishing Treasures Katherine Rundell, 2024-11-12 A MOST ANTICIPATED BOOK FROM BOSTON GLOBE CHICAGO TRIBUNE AND MORE From the 1 New York Times bestselling author Katherine Rundell comes a rare and magical book Bill Bryson reckoning with the vanishing wonders of our natural world This celebration of seahorses lemurs and others doubles as a wake up call look around and protect what you love Boston Globe The world is more astonishing more miraculous and more wonderful than our wildest imaginings In this brilliant and passionately persuasive book Katherine Rundell takes us on a globe spanning tour of the world's most awe inspiring animals currently facing extinction Consider the seahorse couples mate for life and meet each morning for a dance pirouetting and changing colors before going their separate ways to dance again the next day The American wood frog survives winter by allowing itself to freeze solid its heartbeat slowing until it stops altogether Come spring the heart kick starts itself spontaneously back to life As for the lemur it lives in matriarchal troops led by an alpha female it s not unusual for female ring tailed lemurs to slap males across the face when they become aggressive Whenever they are cold or frightened they group together in what s known as a lemur ball paws and tails intertwined to form a furry mass as big as a bicycle wheel But each of these extraordinary animals is endangered or holds a sub species that is endangered This urgent inspiring book of essays dedicated to 23 unusual and underappreciated creatures is a clarion call insisting that we look at the world around us with new eyes to see the magic of the animals we live among their unknown histories and capabilities and above all how lucky we are to tread the same ground as such vanishing treasures Beautifully illustrated and full of inimitable wit and intellect Vanishing Treasures is a chance to be awestruck and lovestruck to reckon with the beauty of the world its fragility and its strangeness Urban Biodiversity Erik Kiviat, Kristi MacDonald, 2022-07-26 In a case study of urban biodiversity Erik Kiviat and Kristi MacDonald present two decades of data and assessment of the habitats and biota of the Meadowlands Urban Biodiversity The Natural History of the New Jersey Meadowlands documents

the mammals birds reptiles amphibians fish butterflies bees dragonflies seed plants mosses and lichens of the Meadowlands region and their patterns of occurrence The work records the natural history of an urban industrial region helping decision makers foster the biodiversity that thrives in cities and giving planners tools to reduce the biological degradation that occurs with urbanization For more info please visit this link https www hudsonia org nj meadowlands

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