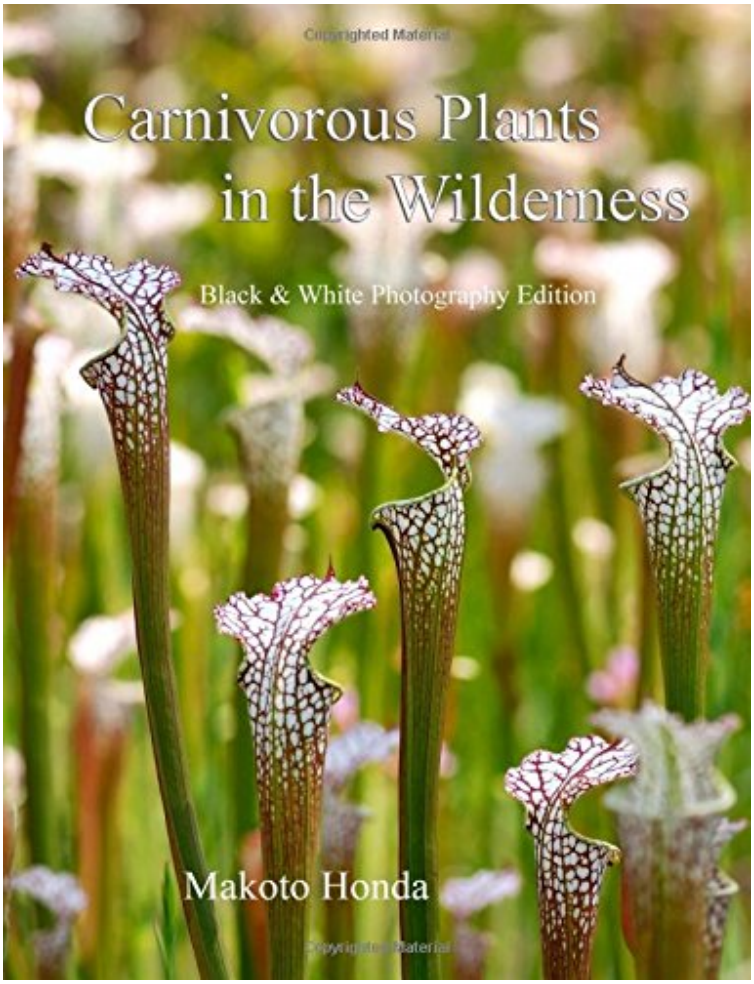
Carnivorous Plants in the Wilderness: Black White Photo Edition

Makoto Honda
**Download PDF | ePub | DOC | audiobook | ebooks*



#3320697 in Books 2015-04-21Original language:English 11.00 x .62 x 8.50l, #File Name: 1511825979274 pages | File size: 26.Mb

Makoto Honda : Carnivorous Plants in the Wilderness: Black White Photo Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Carnivorous Plants in the Wilderness: Black White Photo Edition:

0 of 0 people found the following review helpful. BeautifulBy Mark A. BauerBeautiful photos. I bought the black and white edition first (didn't know this one existed). Therefore I wasted $$ since the color version was not noted or apparent.0 of 0 people found the following review helpful. Buy Color EditionBy G. KettringGreat Book. Buy Color Edition0 of 0 people found the following review helpful. Five StarsBy Ruby MLoved it.

This book is available in: COLOR edition, BW edition, and Kindle edition. www.honda-e.com/ipw.htm This is a book on the ecology of carnivorous plants, their lifestyle and surroundings. Through millions of years of evolution, carnivorous plants have acquired special adaptations that may appear quite bizarre and eccentric in the seemingly

docile world of the plant kingdom. The idea that some plants eat animals sounds so strange that there was strong hesitation on the part of eighteenth-century botanists to accept such a notion. It is a deviation from our familiar concept of the food chain. Plants are eaten by herbivores and herbivores, in turn, are eaten by carnivores. Carnivorous plants have reversed the order of this normal hierarchy that exists within the ecosystem. Charles Darwin was one of the first to demonstrate, with convincing evidence, that some plants had indeed been adapted to the carnivorous habit. Modern science has confirmed that the nutrients obtained from captured prey are absorbed through the trap leaf and are carried to the growth points, suggesting that the plants do derive benefits. The main requirements for the healthy growth of plants are sunlight, carbon dioxide, water, and some inorganic nutrients. A deficiency in any of these basic requirements creates a hostile environment for the plants. In any adverse situations, the plant must adapt to survive. Over millions of years, the plants' struggles for survival have created a staggering array of properties found in the richness of the plant kingdom of our planet today. There are places in the world where the soil is poor and plants cannot obtain enough nutrients through the root to sustain their growth. This particular environmental stress has given rise to a syndrome quite eccentric in view of the normal plant lifestyle. It is in such mineral-deficient environments found in some regions of the globe that the plants that have adopted carnivory can be found. The Introduction of this book describes carnivorous plants in the world, covering various trapping methods deployed by carnivorous plants, their beautiful flowers, a dilemma associated with pollinators, ecology, classification, and evolution. The six chapters that follow describe all the genera of carnivorous plants occurring in North America - Pitcher Plants (Sarracenia), Cobra Plant (Darlingtonia), Sundews (Drosera), Venus Flytrap (Dionaea), Butterworts (Pinguicula), and Bladderworts (Utricularia). Each chapter describes in detail a specific trapping mechanism of the genus. The Sarracenia chapter describes various color variants of many pitcher plant taxa. The Darlingtonia chapter examines a mystery of elusive pollinators of their flowers. The Drosera chapter provides thorough coverage of endemic species, D. filiformis and D. linearis. The Dionaea chapter explains the most amazing trapping mechanism of the Venus flytrap, its clever and deceptive strategies. The Pinguicula chapter covers all butterwort species occurring in the US, together with their lovely flowers. The Utricularia chapter describes the bladderworts' triggering mechanism, the world fastest animal-trapping action to be found in the plant kingdom. The door opening is described using "bucking" as the key mechanism to release the subtle door lock of the trap. The book ends with a 10-page bibliography section. All the photographic images presented in this book are critically selected out of thousands of photographs accumulated over many decades. Through vivid imagery of nature photography, the reader is invited into the wilderness of North America to witness a variety of mysterious carnivorous plant lifestyles in their natural habitats. For more, visit www.iCarnivorousPlants.com