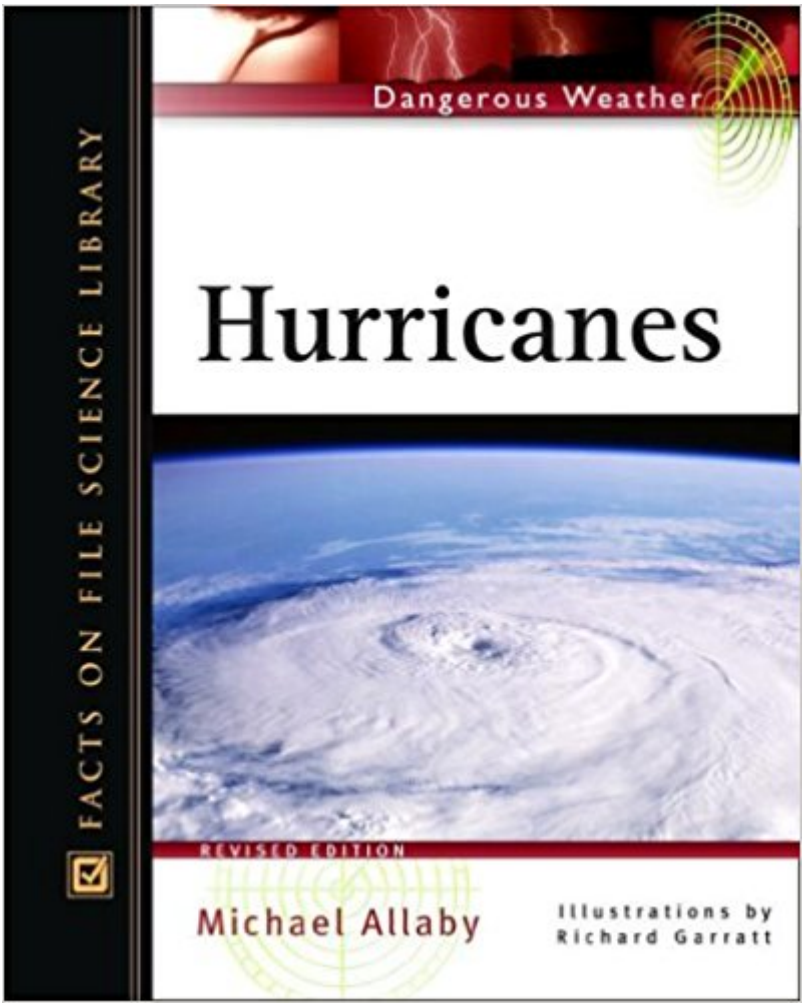
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Hurricanes (Dangerous Weather)



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Synopsis

Mitch, the hurricane that devastated Central America in 1998, was one of the most savage storms of the century, however, research shows that, overall, hurricanes are not growing fiercer or more frequent. With the intensification of climate research in recent years and rising concern that humans may be altering the global climate, funding agencies have increased the resources available for evaluating the evidence of global warming and its likely consequences. Hurricanes, Revised Edition is a fully revised, authoritative guide to hurricanes. It contains new and updated sidebars explaining concepts from atmospheric science, such as potential temperature; the link between the jet stream and mid-latitude depressions; why the wind blows; and the conservation of angular momentum - the principle that explains the way hurricane winds accelerate as air spirals inward. Measurements are given in familiar units, such as pounds, feet, miles, and degrees Fahrenheit, and in each case the metric or scientific equivalent has been added. Appendices list some of the most notorious hurricanes of the past and the set of names that are used to identify tropical cyclones in different parts of the world. Also, suggestions for relevant further reading have been added at the end of each section as well as in a comprehensive bibliography at the end of the book. Sources include useful books and a large number of web addresses.

Book Information

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Customer Reviews

Gr 7 Up--Presenting virtually everything lay readers would ever want to know about hurricanes and

tornadoes, these books excel at explaining the science behind these dangerous weather patterns. Allaby describes how and why each of the storms is formed. While showing how a combination of conditions can lead to a deadly storm, he also points out how similar conditions can also fail to produce one. While the books are challenging, the concepts are explained in understandable terms and the author offers detailed descriptions of related topics, such as the Coriolis effect, the Bernoulli principle, the Beaufort scale for hurricanes, and the Fijita scale for tornadoes. Informative black-and-white maps, charts, photos, and diagrams enhance the presentation. While mention is made of the power of these storms and the damage they do, the texts do not dwell on sensational aspects. Instead, they focus on historic hurricanes and tornadoes, where they occurred (including Antarctica), and why they are common in specific areas. Boxed sidebars provide additional background on other meteorological and physical concepts, such as monsoons, weather fronts, the classification of clouds, and the laws of thermodynamics. Dramatic cover art will help attract readers. While those seeking the gore and destruction approach to these storms may be disappointed, many students will be pleasantly surprised by the wealth of information included.Jeffrey A. French, Cleveland Heights-University Heights Public Library, OHCopyright 1998 Cahners Business Information, Inc. --This text refers to an alternate Hardcover edition.

This is a great book! I've always loved stormy weather and wanted to know about these kind of things. It was easy to read, yet provided enough tough scientific information to keep it interesting. Would strongly recommend it for any homeschoolers!

A pictorial book for young adults and adults who prefer light reading, this book explores the high drama world of hurricane chasing in hurricane hunter planes, the science behind hurricane forecasting, and the human toll left by these storms. Also includes info on the "big ones" like Andrew and Camille plus hurricane tracks through history. Lots of color photographs and superb drawings.

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