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**With new material
for this edition**

Comet Carl Sagan

Allen A. Debus



Comet Carl Sagan:

Comet Carl Sagan, Ann Druyan, 2011-07-06 What are these graceful visitors to our skies We now know that they bring both life and death and teach us about our origins Comet begins with a breathtaking journey through space astride a comet Pulitzer Prize winning astronomer Carl Sagan author of *Cosmos* and *Contact* and writer Ann Druyan explore the origin nature and future of comets and the exotic myths and portents attached to them The authors show how comets have spurred some of the great discoveries in the history of science and raise intriguing questions about these brilliant visitors from the interstellar dark Were the fates of the dinosaurs and the origins of humans tied to the wanderings of a comet Are comets the building blocks from which worlds are formed Lavishly illustrated with photographs and specially commissioned full color paintings *Comet* is an enthralling adventure indispensable for anyone who has ever gazed up at the heavens and wondered why Praise for *Comet* Simply the best The Times of London Fascinating evocative inspiring The Washington Post *Comet* humanizes science A beautiful interesting book United Press International Masterful science poetry and imagination The Atlanta Journal Constitution **Comet** Carl Sagan, Ann Druyan, 1990-05-01 **The Comet Box** Adrian Stirling, 2011-05-25 It's 1986 and Halley's Comet is hurtling towards Earth Everyone is talking about what the comet will bring wishes could be granted people might go mad great disasters could happen When Andrew is asked to write down his greatest wish for the Comet Box he can think of only one thing that his runaway sister Amelia will finally come home As the comet draws nearer he begins to learn the reasons why she left in the first place and the more he learns the more he wants to forget When Amelia is captured and brought home she reveals a shocking secret that makes Andrew's once safe world begin to unravel As the comet arrives Andrew must choose whether to be blind to the mistakes of the people around him or to side with his sister as she tears his family apart **Soviet Life**, 1986 *Martian Metamorphoses* Ev Cochrane, 1997 **Astronomy**, 1987

DEEP IMPACTS Sergio Correa, *When the Asteroid Hits* Allen A. Debus, 2024-10-04 The incomprehensible notion of a very large chunk of ice or rock from outer space smashing into the Earth has only become mainstream within the past two centuries Though early writers imagined the utterly fantastic consequences of comet collisions and speculated on the devastation they might wreak it was not until the 1980s when scientists finally resolved that dinosaurs were extinguished by an asteroid 66 million years ago This startling announcement captivated the media and tilted the science fiction world but in reality history may have been punctuated repeatedly by such events This book collects and analyzes ideas of asteroid comet and planetary impacts with Earth spanning two centuries from the first realization of extinctions in fossil records to the new millennium reflected in scores of sci fi stories films and televised science documentaries The author examines social and geopolitical fears tied to the prospect of a cosmic borne catastrophe Science fiction and speculation are artfully melded

Astronomers and Cosmologists Dean Miller, 2014-01-01 In this book a breakdown of the life and work of some of history's pioneers in the study of astronomy and cosmology are thoroughly explored This volume provides excellent biographical

sketches for trailblazers in the sciences Articles are devoted to specific scientists covering the contributions to their field specifically addressing how their research discoveries and inventions impacted human understanding and experience This historical review includes scientists from around the world and throughout the centuries with a chapter specifically devoted to the top scientific contributors of the 21st century *The International Comet Quarterly*, 2004 **Ice** Mariana Gosnell, 2011-04-27 Like the adventurer who circled an iceberg to see it on all sides Mariana Gosnell former Newsweek reporter and author of *Zero Three Bravo* a book about flying a small plane around the United States explores ice in all its complexity grandeur and significance More brittle than glass at times stronger than steel at other times flowing like molasses ice covers 10 percent of the earth's land and 7 percent of its oceans In nature it is found in myriad forms from the delicate needle ice that crunches underfoot in a winter meadow to the massive centuries old ice that forms the world's glaciers Scientists theorize that icy comets delivered to Earth the molecules needed to get life started and ice ages have shaped much of the land as we know it Here is the whole world of ice from the freezing of Pleasant Lake in New Hampshire to the breakup of a Vermont river at the onset of spring from the frozen Antarctic landscape that emperor penguins inhabit to the cold watery route bowhead whales take between Arctic ice floes Mariana Gosnell writes about frostbite and about the recently discovered 5 000 year old body of a man preserved in an Alpine glacier She discusses the work of scientists who extract cylinders of Greenland ice to study the history of the earth's climate and try to predict its future She examines ice in plants icebergs icicles and hail sea ice and permafrost ice on Mars and in the rings of Saturn and several new forms of ice developed in labs She writes of the many uses humans make of ice including ice skating ice fishing iceboating and ice climbing building ice roads and seeding clouds making ice castles ice cubes and iced desserts Ice is a sparkling illumination of the natural phenomenon whose ebbs and flows over time have helped form the world we live in It is a pleasure to read and important to read for its natural science and revelations about ice's influence on our everyday lives and for what it has to tell us about our environment today and in the future *The Planetary Report*, 1993 **Asimov's Guide to Halley's Comet** Isaac Asimov, 1985 *Infrared Observations of Comets Halley and Wilson and Properties of the Grains*, 1988 **Comet of the Century** Fred Schaaf, 1997 The twentieth century has been a disappointment comet wise but the object now approaching Comet Hale Bopp bears a striking resemblance to the Great Comet of 1811 the biggest headed and most enduringly visible comet ever known Will Hale Bopp be our Comet of the Century In this book whose publication is timed to coincide *Comets and Asteroids* Don Nardo, 2004 Presents an investigation of asteroids and comets discussing ancient beliefs about the appearance of comets their demystification with the emergence of modern astronomy how they formed and their different types and composition **Searching for Comets** Louis Brewer Hall, 1990 Using the missions to explore the phenomenon of Halley's Comet the author gives us a look at the science of the study of comets **American Book Publishing Record Cumulative 1998** R R Bowker Publishing, 1999-03 *Comets, Meteors and Asteroids* Stan Gibilisco, 1985 Describes the

characteristics of comets meteors and asteroids considers how they may have affected evolution and climate on earth and discusses the observation of these celestial bodies **Issues in Science and Technology** ,1994

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