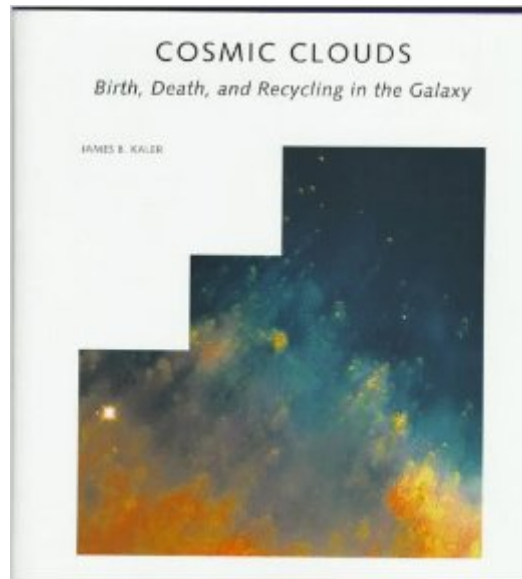


The book was found

# Cosmic Clouds: Birth, Death And Recycling In The Galaxy ("Scientific American" Library)



## Synopsis

Cosmic Clouds is about the creation of stars, the Sun, the planets, Earth and ourselves. The book examines the entire path of star birth and stellar recycling, in which one generation of stars sends a good portion of itself, including compressive forces and a lot of freshly-made chemical elements, back into the stellar nurseries to provide for the next generation. We thus see how stars beget more stars and how as a by-product of the process planets and our own Earth were created, quite literally distilled out of the heavy star-matter that infuses interstellar space.

## Book Information

Series: "Scientific American" Library

Hardcover: 253 pages

Publisher: W.H. Freeman & Company; First Edition edition (November 1996)

Language: English

ISBN-10: 0716750759

ISBN-13: 978-0716750758

Product Dimensions: 9.1 x 12.1 x 1.1 inches

Shipping Weight: 2.2 pounds

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (2 customer reviews)

Best Sellers Rank: #1,535,184 in Books (See Top 100 in Books) #134 in [Books > Science & Math > Astronomy & Space Science > Solar System](#) #1486 in [Books > Science & Math > Astronomy & Space Science > Cosmology](#) #3187 in [Books > Science & Math > Astronomy & Space Science > Astronomy](#)

## Customer Reviews

Easy to read overview of astronomical techniques such as measuring distances of distant bodies and interpreting spectral patterns, as well as stars, nebulae, and star and planet formation. The cosmic cycle of interstellar clouds collapsing, the formation of stars, the death of stars with dust and enriched matter going back to interstellar clouds, is described. The Big Bang is theorized to have only created hydrogen, helium and a bit of lithium, with heavier elements produced in stars later. It is thus interesting to note that while older parts of our galaxy contain stars with very low levels of heavy elements, no stars have yet been discovered containing no metals, ie, with only the hydrogen, helium and lithium of the Big Bang.

Cosmic Clouds is more than easy reading--it gives a detailed, technical explanation of basic

principles of Astrophysics and discusses modern theories of stellar evolution backed up with details of star formation, the multiple roles played by supernova in the formation of heavier elements, their dispersal and shockwave initiation of solar nebula formation. The book ties these ideas to various stages of solar formation visible in the night sky. The role of a galaxy's diffuse magnetic field in slowing runaway solar nebula collapse is mentioned, the first time I've seen this idea presented in a publication. The whole crazy interplay of forces large and small resulting in the creation of stars, interstellar molecules, the gathering of matter into planetesimals, protoplanets and the progression from a dusty disc to a stable system of orbiting planets gives one cause for quiet contemplation. A superb book that would stand in for a college course in astronomy that gathers a wide range of facts and conjecture together to paint a coherent picture of a magnificent, ongoing natural history.

[Download to continue reading...](#)

Cosmic Clouds: Birth, Death and Recycling in the Galaxy ("Scientific American" Library) Galaxy S7 & S7 Edge: The Complete Galaxy S7 & S7 Edge User Manual - How to Start Using Your Galaxy S7, Plus Advanced Tips & Tricks And Amazing Galaxy S7 Features! (S7 Edge, Android, Smartphone) Galaxy S6: The Ultimate Galaxy S6 & S6 Edge User Guide - How To Use Galaxy S6, Instructions With Advanced Tips & Tricks And Hidden Galaxy S6 Features! (S6 Edge, Android, Smartphone) Galaxy S6: The Complete Galaxy S6 & S6 Edge User Guide - Learn How To Get The Most Out Of Your Samsung Galaxy S6 And S6 Edge, Plus 22 Helpful Tips and Tricks! (S6 Edge, Android, Smartphone) GALAXY S6: Samsung Galaxy S6 Unofficial User Guide - Discover How To Use Galaxy S6, Easy User Manual, Plus Advanced Tips And Tricks! (S6 Edge, Android, Smartphone) Clouds, Rain, Clouds Again (I Wonder Why) Cosmic creation of the galaxy and solar systems Galaxy S7: The Ultimate Beginners Guide To Using Galaxy S7 - Learn All About Hardware, Software And Apps, Plus Helpful Tips & Tricks! (S7 Edge, Android, Smartphone) Scientific American, September 1969, Acoustical Holography, 1969, Scientific American, Volume 221, Number 4. Cosmic Cradle, Revised Edition: Spiritual Dimensions of Life before Birth DYING TO REALLY LIVE: Finally, an After Death Survivor returns from deeply into life after death (NDEs - Life After Death? Series Book 1) The Tibetan Book of the Dead: Or, The After-Death Experiences on the Bardo Plane, according to Lama Kazi Dawa-Samdup's English Rendering (Galaxy Books) Active Birth - Revised Edition: The New Approach to Giving Birth Naturally (Non) Raising Multiple Birth Children: A Parent's Survival Guide, Birth-Age 3 Feedstock Recycling and Pyrolysis of Waste Plastics: Converting Waste Plastics into Diesel and Other Fuels Upcycling DIY Projects: 45 Crafting Ideas for Gifting, Decorating, and Fashion (Recycling & Declutter) Handbook of Recycling: State-of-the-art for Practitioners, Analysts, and Scientists Reusing and Recycling (Help the

Environment) Beyond Recycling: A Re-user's Guide: 336 Practical Tips to Save Money and Protect the Environment Beyond 40%: Record-Setting Recycling And Composting Programs

[Dmca](#)